

# REPOSITORY OF RESEARCH SYNOPSES FOR **M.PHIL** DEGREE

## PRESENTED To **ASRB** Of **UHS**

| Degree                                                                                                                       | Student Name                | Institute      | Research Title                                                                                                                                          | Supervisor                    | Report Status |
|------------------------------------------------------------------------------------------------------------------------------|-----------------------------|----------------|---------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------|---------------|
| M.Phil<br>Anatomy+A8:E26A8:<br>E29A8:E31A2AA8:F1<br>4+A8:F11308:E34A8:<br>E38A2A8:E24A8:E41<br>A8:E4+A8:F14445A2<br>A8:F1406 | Dr Amer Qayum               | RMC Rawalpindi | Morphology of human ascending aortic fold                                                                                                               | Prof. Tassaduq Hussain Sheikh | Approved      |
| M.Phil<br>Anatomy+A8:E26A8:<br>E29A8:E31A2AA8:F1<br>4+A8:F11308:E34A8:<br>E38A2A8:E24A8:E41<br>A8:E4+A8:F14445A2<br>A8:F1406 | Dr. Ahmad Farzad<br>Qureshi | UHS Lahore     | Effect of vitamin E on nephrotoxicity in methimazole induced hypothyroidism in albino mice                                                              | Prof. Dr. Khalid Parvez Lone  | Approved      |
| M.Phil<br>Anatomy+A8:E26A8:<br>E29A8:E31A2AA8:F1<br>4+A8:F11308:E34A8:<br>E38A2A8:E24A8:E41<br>A8:E4+A8:F14445A2<br>A8:F1406 | Dr. Aisha<br>Muhammad       | UHS Lahore     | Effect of Cinnamon bark oil on Cadmium induced testicular toxicity in adult male albino rats                                                            | Prof. Dr. Muhammad Tahir      | Approved      |
| M.Phil<br>Anatomy+A8:E26A8:<br>E29A8:E31A2AA8:F1<br>4+A8:F11308:E34A8:<br>E38A2A8:E24A8:E41<br>A8:E4+A8:F14445A2<br>A8:F1406 | Dr. Alia Amin               | UHS Lahore     | Effect Of Citrullus colocynthis aqueous seed extract on beta cell regeneration and intra-islet vasculature in alloxan induced diabetic male albino rats | Prof. Dr. Muhammad Tahir      | Approved      |
| M.Phil<br>Anatomy+A8:E26A8:<br>E29A8:E31A2AA8:F1<br>4+A8:F11308:E34A8:<br>E38A2A8:E24A8:E41<br>A8:E4+A8:F14445A2<br>A8:F1406 | Dr. Alvia Batool            | PGMI Lahore    | Weight and histological changes induced by ribavirin in the testes of albino rats                                                                       | Prof. Dr. Fozia Farzana       | Approved      |
| M.Phil<br>Anatomy+A8:E26A8:<br>E29A8:E31A2AA8:F1<br>4+A8:F11308:E34A8:<br>E38A2A8:E24A8:E41<br>A8:E4+A8:F14445A2<br>A8:F1406 | Dr. Ammara Ghafoor          | UHS Lahore     | The effects of Ficus carica L. (Anjir) leaf extract on gentamicin induced nephrotoxicity in adult male albino mice                                      | Prof. Dr. Khalid Parvez Lone  | Approved      |

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| M.Phil<br>Anatomy+A8:E26A8:E29A8:E31A2AA8:F14+A8:F11308:E34A8:E38A2A8:E24A8:E41A8:E4+A8:F14445A2A8:F1406 | Dr. Ammara Riaz     | UHS Lahore  | Protective effect of aqueous extract of Carica papaya L. seeds on neproxen induced nephrotoxicity in rats                                               | Prof. Dr. Muhammad Tahir | Approved      |
| M.Phil<br>Anatomy+A8:E26A8:E29A8:E31A2AA8:F14+A8:F11308:E34A8:E38A2A8:E24A8:E41A8:E4+A8:F14445A2A8:F1406 | Dr. Amna Mubeen     | PGMI Lahore | Histopathological effects of omeprazole on kidney of albino rats in different doses and duration                                                        | Prof. Dr. Fozia Farzana  | Approved      |
| M.Phil<br>Anatomy+A8:E26A8:E29A8:E31A2AA8:F14+A8:F11308:E34A8:E38A2A8:E24A8:E41A8:E4+A8:F14445A2A8:F1406 | Dr. Aneeqa Chughtai | UHS Lahore  | Anatomical variations of placentae in healthy pregnancies among local population                                                                        | Prof. Dr. Muhammad Tahir | Approved      |
| M.Phil<br>Anatomy+A8:E26A8:E29A8:E31A2AA8:F14+A8:F11308:E34A8:E38A2A8:E24A8:E41A8:E4+A8:F14445A2A8:F1406 | Dr. Ansa Rabia      | UHS Lahore  | Age - related histological changes in the human pineal gland                                                                                            | Prof. Dr. Muhammad Tahir | Approved      |
| M.Phil<br>Anatomy+A8:E26A8:E29A8:E31A2AA8:F14+A8:F11308:E34A8:E38A2A8:E24A8:E41A8:E4+A8:F14445A2A8:F1406 | Dr. Aruna Bashir    | UHS Lahore  | Histological effects of extract of tribulus terrestris on testes of prepubertal rats                                                                    | Prof. Dr. Muhammad Tahir | Approved      |
| M.Phil<br>Anatomy+A8:E26A8:E29A8:E31A2AA8:F14+A8:F11308:E34A8:E38A2A8:E24A8:E41A8:E4+A8:F14445A2A8:F1406 | Dr. Atif Aziz       | UHS Lahore  | Role of vitamin E on abrus precatorius induced DNA damage to spermatozoa and evaluation of effect of Abrus precatorius on fertility in male wistar rats | Prof. Dr. Muhammad Tahir | Pending       |
| M.Phil<br>Anatomy+A8:E26A8:E29A8:E31A2AA8:F14+A8:F11308:E34A8:E38A2A8:E24A8:E41A8:E4+A8:F14445A2A8:F1406 | Dr. Attiya Shahid   | PGMI Lahore | Effect of Moringa oleifera on Bisphenol A induced histological changes in the liver of adult albino rats                                                | Prof. Dr. Fozia Farzana  | Approved      |

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| M.Phil<br>Anatomy+A8:E26A8:E29A8:E31A2AA8:F14+A8:F11308:E34A8:E38A2A8:E24A8:E41A8:E4+A8:F14445A2A8:F1406 | Dr. Ayesha Maqbool | UHS Lahore  | Neuronal degeneration and amyloid deposition in brain at different ages - a post mortem study                      | Prof. Dr. Muhammad Tahir     | Approved      |
| M.Phil<br>Anatomy+A8:E26A8:E29A8:E31A2AA8:F14+A8:F11308:E34A8:E38A2A8:E24A8:E41A8:E4+A8:F14445A2A8:F1406 | Dr. Faiza Mehboob  | UHS Lahore  | Effect of corn silk extract on acetaminophen induced nephrotoxicity in mice                                        | Prof. Dr. Muhammad Tahir     | Approved      |
| M.Phil<br>Anatomy+A8:E26A8:E29A8:E31A2AA8:F14+A8:F11308:E34A8:E38A2A8:E24A8:E41A8:E4+A8:F14445A2A8:F1406 | Dr. Farhat Aamir   | UHS Lahore  | Protective effect of ethanolic extract of propolis on isoniazid induced hepatotoxicity in male albino mice         | Prof. Dr. Khalid Parvez Lone | Approved      |
| M.Phil<br>Anatomy+A8:E26A8:E29A8:E31A2AA8:F14+A8:F11308:E34A8:E38A2A8:E24A8:E41A8:E4+A8:F14445A2A8:F1406 | Dr. Fariha Qureshi | UHS Lahore  | Teratogenic effects of sodium arsenate in albino rats and their prevention by antioxidants (Vitamin C and E)       | Prof. Dr. Muhammad Tahir     | Approved      |
| M.Phil<br>Anatomy+A8:E26A8:E29A8:E31A2AA8:F14+A8:F11308:E34A8:E38A2A8:E24A8:E41A8:E4+A8:F14445A2A8:F1406 | Dr. Fatima Inam    | UHS Lahore  | Protective effect of vitamin E on fluoride induced hepatotoxicity in adult albino mice                             | Prof. Dr. Muhammad Tahir     | Approved      |
| M.Phil<br>Anatomy+A8:E26A8:E29A8:E31A2AA8:F14+A8:F11308:E34A8:E38A2A8:E24A8:E41A8:E4+A8:F14445A2A8:F1406 | Dr. Fauzia Qureshi | PGMI Lahore | Histological effects of letrozole and clomiphene citrate on albino rat ovary after consecutive 1- 4 estrous cycles | Prof. Dr. Fozia Farzana      | Approved      |

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| M.Phil<br>Anatomy+A8:E26A8:E29A8:E31A2AA8:F14+A8:F11308:E34A8:E38A2A8:E24A8:E41A8:E4+A8:F14445A2A8:F1406 | Dr. Hafiza Sadia Ahmed | UHS Lahore  | Effect of aqueous garlic extract on monosodium glutamate induced toxicity in testes of adult Wistar rats          | Prof. Dr. Muhammad Tahir | Approved      |
| M.Phil<br>Anatomy+A8:E26A8:E29A8:E31A2AA8:F14+A8:F11308:E34A8:E38A2A8:E24A8:E41A8:E4+A8:F14445A2A8:F1406 | Dr. Hafsa Omer         | PGMI Lahore | Morphological changes in liver before and after turmeric administration with diclofenac induced hepatotoxicity    | Prof. Dr. Fozia Farzana  | Approved      |
| M.Phil<br>Anatomy+A8:E26A8:E29A8:E31A2AA8:F14+A8:F11308:E34A8:E38A2A8:E24A8:E41A8:E4+A8:F14445A2A8:F1406 | Dr. Hina Siddiqi       | UHS Lahore  | Variations in Circle of Willis and their correlation with haemorrhagic stroke in adults                           | Prof. Dr. Muhammad Tahir | Approved      |
| M.Phil<br>Anatomy+A8:E26A8:E29A8:E31A2AA8:F14+A8:F11308:E34A8:E38A2A8:E24A8:E41A8:E4+A8:F14445A2A8:F1406 | Dr. Humaira Gulnaz     | UHS Lahore  | Protective effects of garlic oil in acetaminophen induced nephrotoxicity in albino rats                           | Prof. Dr. Muhammad Tahir | Approved      |
| M.Phil<br>Anatomy+A8:E26A8:E29A8:E31A2AA8:F14+A8:F11308:E34A8:E38A2A8:E24A8:E41A8:E4+A8:F14445A2A8:F1406 | Dr. Irfan Qadir        | UHS Lahore  | Ginseng as a protective agent in gentamicin induced nephrotoxicity; an experimental study                         | Prof. Dr. Muhammad Tahir | Approved      |

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| M.Phil<br>Anatomy+A8:E26A8:<br>E29A8:E31A2AA8:F1<br>4+A8:F11308:E34A8:<br>E38A2A8:E24A8:E41<br>A8:E4+A8:F14445A2<br>A8:F1406 | Dr. Javeria Noor       | UHS Lahore     | Effect of zinc supplementation on fluoride induced changes in thyroid gland of adult male wistar rats          | Prof. Dr. Muhammad Tahir      | Approved      |
| M.Phil<br>Anatomy+A8:E26A8:<br>E29A8:E31A2AA8:F1<br>4+A8:F11308:E34A8:<br>E38A2A8:E24A8:E41<br>A8:E4+A8:F14445A2<br>A8:F1406 | Dr. Kanwal Ashal Pal   | UHS Lahore     | Effect of phoenix dactylifera ‘Date Palm’ pot powder on nicotine induced spermatotoxicity in adult albino mice | Prof. Dr. Muhammad Tahir      | Approved      |
| M.Phil<br>Anatomy+A8:E26A8:<br>E29A8:E31A2AA8:F1<br>4+A8:F11308:E34A8:<br>E38A2A8:E24A8:E41<br>A8:E4+A8:F14445A2<br>A8:F1406 | Dr. Lubna Malik        | UHS Lahore     | Effect of flax seed oil on lipofundin-induced hepatotoxicity in male albino rats”                              | Prof. Dr. Muhammad Tahir      | Approved      |
| M.Phil<br>Anatomy+A8:E26A8:<br>E29A8:E31A2AA8:F1<br>4+A8:F11308:E34A8:<br>E38A2A8:E24A8:E41<br>A8:E4+A8:F14445A2<br>A8:F1406 | Dr. Madiha Amjad       | UHS Lahore     | Effect of ethanolic extract of coconut (Cocos nucifera) on aspirin-induced gastric ulcer in albino rats        | Prof. Dr. Muhammad Tahir      | Approved      |
| M.Phil<br>Anatomy+A8:E26A8:<br>E29A8:E31A2AA8:F1<br>4+A8:F11308:E34A8:<br>E38A2A8:E24A8:E41<br>A8:E4+A8:F14445A2<br>A8:F1406 | Dr. Mah Jabeen Muneera | UHS Lahore     | Preventive effects of Annona squamosa on congenital anomalies in diabetic albino rats                          | Prof. Dr. Muhammad Azam Zia   | Approved      |
| M.Phil<br>Anatomy+A8:E26A8:<br>E29A8:E31A2AA8:F1<br>4+A8:F11308:E34A8:<br>E38A2A8:E24A8:E41<br>A8:E4+A8:F14445A2<br>A8:F1406 | Dr. Maimoona Hamid     | RMC Rawalpindi | Age related morphology of human lacrimal gland                                                                 | Prof. Tassaduq Hussain Sheikh | Approved      |

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| M.Phil<br>Anatomy+A8:E26A8:E29A8:E31A2AA8:F14+A8:F11308:E34A8:E38A2A8:E24A8:E41A8:E4+A8:F14445A2A8:F1406 | Dr. Masooma Ahmad           | UHS Lahore  | Renoprotective effect of Spinacea oleracea extract on cyclosporine-A induced changes in renin aldosterone system of adult male albino rat” | Prof. Dr. Muhammad Tahir | Approved      |
| M.Phil<br>Anatomy+A8:E26A8:E29A8:E31A2AA8:F14+A8:F11308:E34A8:E38A2A8:E24A8:E41A8:E4+A8:F14445A2A8:F1406 | Dr. Merium Ashraf           | PGMI Lahore | Effects of dexamethasone on liver histology of adult albino mice                                                                           | Prof. Dr. Fozia Farzana  | Approved      |
| M.Phil<br>Anatomy+A8:E26A8:E29A8:E31A2AA8:F14+A8:F11308:E34A8:E38A2A8:E24A8:E41A8:E4+A8:F14445A2A8:F1406 | Dr. Mohammad Alamgir Rana   | PGMI Lahore | A study of arterial suply of primary functional areas of human brain variants and morphlogy                                                | Dr. Muhammad Riaz Sheikh | Approved      |
| M.Phil<br>Anatomy+A8:E26A8:E29A8:E31A2AA8:F14+A8:F11308:E34A8:E38A2A8:E24A8:E41A8:E4+A8:F14445A2A8:F1406 | Dr. Mohtasham Hina          | UHS Lahore  | Protective effect of Coriandrum sativum L. on isoniazid induced hepatotoxicity in albino rats/mice                                         | Prof. Dr. Muhammad Tahir | Approved      |
| M.Phil<br>Anatomy+A8:E26A8:E29A8:E31A2AA8:F14+A8:F11308:E34A8:E38A2A8:E24A8:E41A8:E4+A8:F14445A2A8:F1406 | Dr. Mubashir Farhan         | UHS Lahore  | ROLE OF BERI HONEY IN PREVENTION OF ETHAMBUTOL INDUCED OPTIC NEURITIS                                                                      | Prof. Dr. Muhammad Tahir | Approved      |
| M.Phil<br>Anatomy+A8:E26A8:E29A8:E31A2AA8:F14+A8:F11308:E34A8:E38A2A8:E24A8:E41A8:E4+A8:F14445A2A8:F1406 | Dr. Muhammad Bahadur Baloch | UHS Lahore  | Effect of entecavir on testes of adult Wistar albino rats                                                                                  | Prof. Dr. Muhammad Tahir | Approved      |

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| M.Phil<br>Anatomy+A8:E26A8:E29A8:E31A2AA8:F14+A8:F11308:E34A8:E38A2A8:E24A8:E41A8:E4+A8:F14445A2A8:F1406 | Dr. Muhammad Imran Khan      | UHS Lahore     | Effect of Emblica officinalis on acetaminophen induced nephrotoxicity in mice                           | Prof. Dr. Muhammad Tahir      | Approved      |
| M.Phil<br>Anatomy+A8:E26A8:E29A8:E31A2AA8:F14+A8:F11308:E34A8:E38A2A8:E24A8:E41A8:E4+A8:F14445A2A8:F1406 | Dr. Muhammad Kamran Ameer    | UHS Lahore     | Effect of acetylsalicylic acid on spermatogenesis in adult albino mice                                  | Prof. Dr. Khalid Parvez Lone  | Approved      |
| M.Phil<br>Anatomy+A8:E26A8:E29A8:E31A2AA8:F14+A8:F11308:E34A8:E38A2A8:E24A8:E41A8:E4+A8:F14445A2A8:F1406 | Dr. Muhammad Qasim Muneer    | PGMI Lahore    | Histological effects of Hoodia gordonii on the liver of adult male albino rats                          | Prof. Dr. Fozia Farzana       | Pending       |
| M.Phil<br>Anatomy+A8:E26A8:E29A8:E31A2AA8:F14+A8:F11308:E34A8:E38A2A8:E24A8:E41A8:E4+A8:F14445A2A8:F1406 | Dr. Muhammad Shahid Akhtar   | UHS Lahore     | Protective role of folic acid in cardiopulmonary teratogenicity induced artemether in the albino mice   | Prof. Dr. Muhammad Tahir      | Approved      |
| M.Phil<br>Anatomy+A8:E26A8:E29A8:E31A2AA8:F14+A8:F11308:E34A8:E38A2A8:E24A8:E41A8:E4+A8:F14445A2A8:F1406 | Dr. Muhammad Shahzad Chohan  | UHS Lahore     | Histological changes in liver spleen and adrenal glands after administration of paraquat in albino mice | Prof. Dr. Muhammad Tahir      | Approved      |
| M.Phil<br>Anatomy+A8:E26A8:E29A8:E31A2AA8:F14+A8:F11308:E34A8:E38A2A8:E24A8:E41A8:E4+A8:F14445A2A8:F1406 | Dr. Muhammad Tariq Khan      | RMC Rawalpindi | A morphological and morphometrical study of auditory ossicles in human adults and rabbits               | Prof. Tassaduq Hussain Sheikh | Approved      |

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| M.Phil<br>Anatomy+A8:E26A8:E29A8:E31A2AA8:F14+A8:F11308:E34A8:E38A2A8:E24A8:E41A8:E4+A8:F14445A2A8:F1406 | Dr. Muhammad Zeeshan Anwar | UHS Lahore     | Effect of Juglans regia (Walnut) oil on hyperlipidemia and atherosclerosis induced by high cholesterol diet in rats/mice | Prof. Dr. Muhammad Tahir        | Pending       |
| M.Phil<br>Anatomy+A8:E26A8:E29A8:E31A2AA8:F14+A8:F11308:E34A8:E38A2A8:E24A8:E41A8:E4+A8:F14445A2A8:F1406 | Dr. Muhammad Zubair        | UHS Lahore     | Protective effect of memantine on ethambutol induced changes in optic nerve of rabbit                                    | Prof. Dr. Naseer Ahmad Chaudhry | Approved      |
| M.Phil<br>Anatomy+A8:E26A8:E29A8:E31A2AA8:F14+A8:F11308:E34A8:E38A2A8:E24A8:E41A8:E4+A8:F14445A2A8:F1406 | Dr. Mujahid Akber mamoun   | PGMI Lahore    | A study of protective role of vitamin C in lead induced morphological changes in testes of albino rats                   | Prof. Dr. Nosheen Omer          | Approved      |
| M.Phil<br>Anatomy+A8:E26A8:E29A8:E31A2AA8:F14+A8:F11308:E34A8:E38A2A8:E24A8:E41A8:E4+A8:F14445A2A8:F1406 | Dr. Munazza Sardar         | UHS Lahore     | Protective effect of flax seed oil on acetaminophen induced nephrotoxicity in albino rats                                | Prof. Dr. Muhammad Tahir        | Approved      |
| M.Phil<br>Anatomy+A8:E26A8:E29A8:E31A2AA8:F14+A8:F11308:E34A8:E38A2A8:E24A8:E41A8:E4+A8:F14445A2A8:F1406 | Dr. Nabeela Akhtar         | RMC Rawalpindi | Effects of hyperthermia on developmental morphology at eyelid and digital separation sites in rats                       | Prof. Tassaduq Hussain Sheikh   | Approved      |
| M.Phil<br>Anatomy+A8:E26A8:E29A8:E31A2AA8:F14+A8:F11308:E34A8:E38A2A8:E24A8:E41A8:E4+A8:F14445A2A8:F1406 | Dr. Nabeela Habib          | UHS Lahore     | Effect of vitamin E on phthalate induced toxicity on testis of adult albino rat                                          | Prof. Dr. Muhammad Tahir        | Approved      |



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|------------------------------------------------------------------------------------------------------------------------------|--------------------|-------------|------------------------------------------------------------------------------------------------------------------------|--------------------------|---------------|
| M.Phil<br>Anatomy+A8:E26A8:<br>E29A8:E31A2AA8:F1<br>4+A8:F11308:E34A8:<br>E38A2A8:E24A8:E41<br>A8:E4+A8:F14445A2<br>A8:F1406 | Dr. Nadeem ud Din  | PGMI Lahore | To study the effects of folic acid on prevention of lamotrigine induced orofacial cleft in mice<br>foetuses            | Prof. Dr. Nosheen Omer   | Approved      |
| M.Phil<br>Anatomy+A8:E26A8:<br>E29A8:E31A2AA8:F1<br>4+A8:F11308:E34A8:<br>E38A2A8:E24A8:E41<br>A8:E4+A8:F14445A2<br>A8:F1406 | Dr. Nadia Ahmad    | UHS Lahore  | Effect of Pomegranate (Punica granatum L.) peel extract on acetaminophen induced<br>hepatotoxicity in adult albino rat | Prof. Dr. Muhammad Tahir | Approved      |
| M.Phil<br>Anatomy+A8:E26A8:<br>E29A8:E31A2AA8:F1<br>4+A8:F11308:E34A8:<br>E38A2A8:E24A8:E41<br>A8:E4+A8:F14445A2<br>A8:F1406 | Dr. Nadia Majeed   | UHS Lahore  | Effect of Nigella sativa extract on amphotericin-B induced nephrotoxicity in albino mice                               | Prof. Dr. Muhammad Tahir | Approved      |
| M.Phil<br>Anatomy+A8:E26A8:<br>E29A8:E31A2AA8:F1<br>4+A8:F11308:E34A8:<br>E38A2A8:E24A8:E41<br>A8:E4+A8:F14445A2<br>A8:F1406 | Dr. Naheed Tawakal | UHS Lahore  | Effects of cyclosporin on fetal development in albino mice                                                             | Prof. Dr. Muhammad Tahir | Approved      |

| Degree                                                                                                                       | Student Name               | Institute   | Research Title                                                                                                           | Supervisor               | Report Status |
|------------------------------------------------------------------------------------------------------------------------------|----------------------------|-------------|--------------------------------------------------------------------------------------------------------------------------|--------------------------|---------------|
| M.Phil<br>Anatomy+A8:E26A8:<br>E29A8:E31A2AA8:F1<br>4+A8:F11308:E34A8:<br>E38A2A8:E24A8:E41<br>A8:E4+A8:F14445A2<br>A8:F1406 | Dr. Naveed Akhtar          | UHS Lahore  | Teratogenic effects of bupivacaine on heart and kidney of albino mice                                                    | Prof. Dr. Muhammad Tahir | Approved      |
| M.Phil<br>Anatomy+A8:E26A8:<br>E29A8:E31A2AA8:F1<br>4+A8:F11308:E34A8:<br>E38A2A8:E24A8:E41<br>A8:E4+A8:F14445A2<br>A8:F1406 | Dr. Nazia Siddique         | PGMI Lahore | Effects of D – Transallethrin based mosquito coil smoke on kidney histology of Albino rats                               | Prof. Dr. Fozia Farzana  | Approved      |
| M.Phil<br>Anatomy+A8:E26A8:<br>E29A8:E31A2AA8:F1<br>4+A8:F11308:E34A8:<br>E38A2A8:E24A8:E41<br>A8:E4+A8:F14445A2<br>A8:F1406 | Dr. Nida Qasim<br>Hayat    | UHS Lahore  | Effect of methimazole induced hypothyroidism on the histological characteristics of major salivary glands of albino rats | Prof. Dr. Muhammad Tahir | Approved      |
| M.Phil<br>Anatomy+A8:E26A8:<br>E29A8:E31A2AA8:F1<br>4+A8:F11308:E34A8:<br>E38A2A8:E24A8:E41<br>A8:E4+A8:F14445A2<br>A8:F1406 | Dr. Rabia Ejaz             | PGMI Lahore | The effects of Morinaga oleifera leaves on biphenol A induced changes in the kidneys of adult albino rats                | Prof. Fozia Farzana      | Approved      |
| M.Phil<br>Anatomy+A8:E26A8:<br>E29A8:E31A2AA8:F1<br>4+A8:F11308:E34A8:<br>E38A2A8:E24A8:E41<br>A8:E4+A8:F14445A2<br>A8:F1406 | Dr. Rabia Latif            | UHS Lahore  | Histological changes in the intervetebral discs samples and defects of vertebral endplate on MRI                         | Prof. Dr. Muhammad Tahir | Approved      |
| M.Phil<br>Anatomy+A8:E26A8:<br>E29A8:E31A2AA8:F1<br>4+A8:F11308:E34A8:<br>E38A2A8:E24A8:E41<br>A8:E4+A8:F14445A2<br>A8:F1406 | Dr. Rabia Sajjad Toor      | UHS Lahore  | Protective effect of curcumin on bispenol A induced testicular damage in adult wistar albino rats                        | Prof. Dr. Muhammad Tahir | Approved      |
| M.Phil<br>Anatomy+A8:E26A8:<br>E29A8:E31A2AA8:F1<br>4+A8:F11308:E34A8:<br>E38A2A8:E24A8:E41<br>A8:E4+A8:F14445A2<br>A8:F1406 | Dr. Rahat Bano<br>Siddiqui | UHS Lahore  | Chromosomal aberrations in children with congenital hydrocephalus                                                        | Prof. Dr. Muhammad Tahir | Approved      |

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|----------------------------------------------------------------------------------------------------------|-----------------------|-------------|--------------------------------------------------------------------------------------------------------------------------------|--------------------------|---------------|
| M.Phil<br>Anatomy+A8:E26A8:E29A8:E31A2AA8:F14+A8:F11308:E34A8:E38A2A8:E24A8:E41A8:E4+A8:F14445A2A8:F1406 | Dr. Rehmah Sarfraz    | UHS Lahore  | Presegmental and segmental arterial pattern of human kidneys in local population                                               | Prof. Dr. Muhammad Tahir | Approved      |
| M.Phil<br>Anatomy+A8:E26A8:E29A8:E31A2AA8:F14+A8:F11308:E34A8:E38A2A8:E24A8:E41A8:E4+A8:F14445A2A8:F1406 | Dr. Robina Shaheen    | PGMI Lahore | Study of variant and normal pattern of Human veins and their morphometry                                                       | Dr. Muhammad Riaz Sheikh | Approved      |
| M.Phil<br>Anatomy+A8:E26A8:E29A8:E31A2AA8:F14+A8:F11308:E34A8:E38A2A8:E24A8:E41A8:E4+A8:F14445A2A8:F1406 | Dr. Rukhsana Jabeen   | PGMI Lahore | Comparative study of the effects of topical anti-aging agents on skin histology of albino mice                                 | Prof. Dr. Fozia Farzana  | Approved      |
| M.Phil<br>Anatomy+A8:E26A8:E29A8:E31A2AA8:F14+A8:F11308:E34A8:E38A2A8:E24A8:E41A8:E4+A8:F14445A2A8:F1406 | Dr. Rukhshanda Jabeen | UHS Lahore  | Effects of Lead Acetate on the Development of Rat Fetus and Prevention of Such Effects by Vitamin C                            | Prof. Dr. Amir Ali Shoro | Approved      |
| M.Phil<br>Anatomy+A8:E26A8:E29A8:E31A2AA8:F14+A8:F11308:E34A8:E38A2A8:E24A8:E41A8:E4+A8:F14445A2A8:F1406 | Dr. Saad Khilji       | UHS Lahore  | Histological changes in the rat olfactory bulb after the administration of propranolol (non selective beta antagonist)         | Prof. Dr. Amir Ali Shoro | Approved      |
| M.Phil<br>Anatomy+A8:E26A8:E29A8:E31A2AA8:F14+A8:F11308:E34A8:E38A2A8:E24A8:E41A8:E4+A8:F14445A2A8:F1406 | Dr. Sabahat Zulfiqar  | UHS Lahore  | Effect of vitamin A on histology of mouse fetal liver and immunohistochemical expression of vascular endothelial growth factor | Prof. Dr. Muhammad Tahir | Approved      |
| M.Phil<br>Anatomy+A8:E26A8:E29A8:E31A2AA8:F14+A8:F11308:E34A8:E38A2A8:E24A8:E41A8:E4+A8:F14445A2A8:F1406 | Dr. Sadaf Rasheed     | UHS Lahore  | Histological effects of Eugenia Jambolana seeds extract on liver of adult albino rats                                          | Prof. Dr. Muhammad Tahir | Approved      |

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| M.Phil<br>Anatomy+A8:E26A8:<br>E29A8:E31A2AA8:F1<br>4+A8:F11308:E34A8:<br>E38A2A8:E24A8:E41<br>A8:E4+A8:F14445A2<br>A8:F1406 | Dr. Sadia Hussain<br>Malik | UHS Lahore     | Effects of Citrullus colocynthis seed aqueous extract on thyroid gland                                      | Prof. Dr. Muhammad Tahir      | Approved      |
| M.Phil<br>Anatomy+A8:E26A8:<br>E29A8:E31A2AA8:F1<br>4+A8:F11308:E34A8:<br>E38A2A8:E24A8:E41<br>A8:E4+A8:F14445A2<br>A8:F1406 | Dr. Sadia Muzaffar         | RMC Rawalpindi | Morphology of developing human occipital squama                                                             | Prof. Tassaduq Hussain Sheikh | Approved      |
| M.Phil<br>Anatomy+A8:E26A8:<br>E29A8:E31A2AA8:F1<br>4+A8:F11308:E34A8:<br>E38A2A8:E24A8:E41<br>A8:E4+A8:F14445A2<br>A8:F1406 | Dr. Sadia Wazir Khan       | UHS Lahore     | Protective effect of Saccharum officinarum L. juice on isoniazid induced hepatotoxicity in male albino mice | Prof. Dr. Muhammad Tahir      | Approved      |
| M.Phil<br>Anatomy+A8:E26A8:<br>E29A8:E31A2AA8:F1<br>4+A8:F11308:E34A8:<br>E38A2A8:E24A8:E41<br>A8:E4+A8:F14445A2<br>A8:F1406 | Dr. Sama-Ul-Haq            | UHS Lahore     | Age and gender related changes in the human olfactory bulb: a light microscope study                        | Prof. Dr. Muhammad Tahir      | Approved      |

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| M.Phil<br>Anatomy+A8:E26A8:E29A8:E31A2AA8:F14+A8:F11308:E34A8:E38A2A8:E24A8:E41A8:E4+A8:F14445A2A8:F1406 | Dr. Samina Ashraf         | UHS Lahore  | Effect of ceylon cinnamon ethanolic extract on acetaminophen induced nephrotoxicity in adult male wistar rats                                                 | Prof. Dr. Khalid Parvez Lone | Approved      |
| M.Phil<br>Anatomy+A8:E26A8:E29A8:E31A2AA8:F14+A8:F11308:E34A8:E38A2A8:E24A8:E41A8:E4+A8:F14445A2A8:F1406 | Dr. Samina Ashraf         | UHS Lahore  | Presence of cartilage endplate in the herniated intervertebral discs and its association with histological degeneration scores and expression of TNF $\alpha$ | Dr. Uruj Zehra               | Approved      |
| M.Phil<br>Anatomy+A8:E26A8:E29A8:E31A2AA8:F14+A8:F11308:E34A8:E38A2A8:E24A8:E41A8:E4+A8:F14445A2A8:F1406 | Dr. Sania Asif            | UHS Lahore  | Protective effects of Nigella sativa on aspirin induced nephrotoxicity in albino rats                                                                         | Prof. Dr. Muhammad Tahir     | Approved      |
| M.Phil<br>Anatomy+A8:E26A8:E29A8:E31A2AA8:F14+A8:F11308:E34A8:E38A2A8:E24A8:E41A8:E4+A8:F14445A2A8:F1406 | Dr. Sarah Khalid          | UHS Lahore  | Teratogenic effect of ginseng on the three germ layers in albino mice in vivo                                                                                 | Prof. Dr. Muhammad Tahir     | Approved      |
| M.Phil<br>Anatomy+A8:E26A8:E29A8:E31A2AA8:F14+A8:F11308:E34A8:E38A2A8:E24A8:E41A8:E4+A8:F14445A2A8:F1406 | Dr. Shagufta Nasreen      | PGMI Lahore | Morphological effects of ascorbic acid on monosodium glutamate induced ovarian cytotoxicity in rat                                                            | Prof. Dr. Fozia Farzana      | Approved      |
| M.Phil<br>Anatomy+A8:E26A8:E29A8:E31A2AA8:F14+A8:F11308:E34A8:E38A2A8:E24A8:E41A8:E4+A8:F14445A2A8:F1406 | Dr. Shahnila Nadir        | PGMI Lahore | Gross and histological effects of ferrous sulphate on the gastric mucosa of adult albino rats                                                                 | Prof. Dr. Fozia Farzana      | Approved      |
| M.Phil<br>Anatomy+A8:E26A8:E29A8:E31A2AA8:F14+A8:F11308:E34A8:E38A2A8:E24A8:E41A8:E4+A8:F14445A2A8:F1406 | Dr. Shaista Arshad Jarral | UHS Lahore  | Perinatal histogenesis of pancreatic islet alpha and beta cells                                                                                               | Prof. Dr. Muhammad Tahir     | Approved      |

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| M.Phil<br>Anatomy+A8:E26A8:E29A8:E31A2AA8:F14+A8:F11308:E34A8:E38A2A8:E24A8:E41A8:E4+A8:F14445A2A8:F1406 | Dr. Shakeela Ashraf  | PGMI Lahore | Histological changes in liver and adverse effects of aspartame in different doses in adult albino mice    | Prof. Dr. Fozia Farzana  | Approved      |
| M.Phil<br>Anatomy+A8:E26A8:E29A8:E31A2AA8:F14+A8:F11308:E34A8:E38A2A8:E24A8:E41A8:E4+A8:F14445A2A8:F1406 | Dr. Shamsa Ijaz      | PGMI Lahore | Study of the effects of leflunomide on thyroid gland histology of Albino rats                             | Prof. Dr. Fozia Farzana  | Approved      |
| M.Phil<br>Anatomy+A8:E26A8:E29A8:E31A2AA8:F14+A8:F11308:E34A8:E38A2A8:E24A8:E41A8:E4+A8:F14445A2A8:F1406 | Dr. Sharafat Ali     | UHS Lahore  | Protective Effect of Nigella Sativa seed extract on isoniazid induced hepatotoxicity in adult albino rats | Prof. Dr. Muhammad Tahir | Pending       |
| M.Phil<br>Anatomy+A8:E26A8:E29A8:E31A2AA8:F14+A8:F11308:E34A8:E38A2A8:E24A8:E41A8:E4+A8:F14445A2A8:F1406 | Dr. Shumaila Shakoor | UHS Lahore  | Effect of carbamazepine on retinal morphology of adult wistar rat                                         | Prof. Dr. Muhammad Tahir | Approved      |
| M.Phil<br>Anatomy+A8:E26A8:E29A8:E31A2AA8:F14+A8:F11308:E34A8:E38A2A8:E24A8:E41A8:E4+A8:F14445A2A8:F1406 | Dr. Sidar Afaq       | UHS Lahore  | Effect of clomiphene citrate treatment on skeletal muscle and testes of adult albino rats                 | Prof. Dr. Muhammad Tahir | Approved      |
| M.Phil<br>Anatomy+A8:E26A8:E29A8:E31A2AA8:F14+A8:F11308:E34A8:E38A2A8:E24A8:E41A8:E4+A8:F14445A2A8:F1406 | Dr. Sidra Afaq       | UHS Lahore  | Effect of clomiphene citrate treatment on skeletal muscle and spermatogenesis of adult albino rats        | Prof. Dr. Muhammad Tahir | Approved      |
| M.Phil<br>Anatomy+A8:E26A8:E29A8:E31A2AA8:F14+A8:F11308:E34A8:E38A2A8:E24A8:E41A8:E4+A8:F14445A2A8:F1406 | Dr. Sofia Jadoon     | PGMI Lahore | Effect of tamsulosin on histology of testes of adult albino mice                                          | Prof. Dr. Fozia Farzana  | Approved      |

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| M.Phil<br>Anatomy+A8:E26A8:E29A8:E31A2AA8:F14+A8:F11308:E34A8:E38A2A8:E24A8:E41A8:E4+A8:F14445A2A8:F1406 | Dr. Sohail Ahmed Memon       | PGMI Lahore    | Histological and functional aspects of thyroid gland after carbimazole treatment and its withdrawal in albino rats                     | Prof. Dr. Fozia Farzana       | Approved      |
| M.Phil<br>Anatomy+A8:E26A8:E29A8:E31A2AA8:F14+A8:F11308:E34A8:E38A2A8:E24A8:E41A8:E4+A8:F14445A2A8:F1406 | Dr. Syeda Farhana Amir Jafri | PGMI Lahore    | Histological effects of monosodium glutamate on the kidneys of adult wistar rats                                                       | Prof. Dr. Fozia Farzana       | Approved      |
| M.Phil<br>Anatomy+A8:E26A8:E29A8:E31A2AA8:F14+A8:F11308:E34A8:E38A2A8:E24A8:E41A8:E4+A8:F14445A2A8:F1406 | Dr. Syeda Rizwana Jafri      | UHS Lahore     | Effect of Vitamin E on ovaries and uterus of rats treated with fluoxetine                                                              | Prof. Dr. Khalid Parvez Lone  | Approved      |
| M.Phil<br>Anatomy+A8:E26A8:E29A8:E31A2AA8:F14+A8:F11308:E34A8:E38A2A8:E24A8:E41A8:E4+A8:F14445A2A8:F1406 | Dr. Tahreem Ansar            | UHS Lahore     | Localization of aquaporin 10 in apparently healthy non-diseased and tuberculous human small intestine                                  | Prof. Dr. Muhammad Tahir      | Approved      |
| M.Phil<br>Anatomy+A8:E26A8:E29A8:E31A2AA8:F14+A8:F11308:E34A8:E38A2A8:E24A8:E41A8:E4+A8:F14445A2A8:F1406 | Dr. Tayyaba Mahmud           | UHS Lahore     | Effect of levothyroxine administration on ovary and uterus of adult albino rats                                                        | Prof. Dr. Muhammad Tahir      | Approved      |
| M.Phil<br>Anatomy+A8:E26A8:E29A8:E31A2AA8:F14+A8:F11308:E34A8:E38A2A8:E24A8:E41A8:E4+A8:F14445A2A8:F1406 | Dr. Tehzeeb-Ul-Hassan        | RMC Rawalpindi | Histology of enthesis fibrocartilage at the distal attachment sites of quadriceps tendon, patellar ligament and semimembranosus tendon | Prof. Tassaduq Hussain Sheikh | Approved      |
| M.Phil<br>Anatomy+A8:E26A8:E29A8:E31A2AA8:F14+A8:F11308:E34A8:E38A2A8:E24A8:E41A8:E4+A8:F14445A2A8:F1406 | Dr. Uruj Zehra               | UHS Lahore     | Tertogenic induced by Ginkgo biloba and its extracts on all three germ Layers of Albino Mice in Vivd                                   | Prof. Dr. Muhammad Tahir      | Approved      |

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| M.Phil<br>Anatomy+A8:E26A8:E29A8:E31A2AA8:F14+A8:F11308:E34A8:E38A2A8:E24A8:E41A8:E4+A8:F14445A2A8:F1406 | Dr. Usman Ullah         | PGMI Lahore | Effects of nandrolone decanoate and exercise on histological structure of soleus muscle of the rat                                         | Prof. Dr. Nosheen Omer   | Approved      |
| M.Phil<br>Anatomy+A8:E26A8:E29A8:E31A2AA8:F14+A8:F11308:E34A8:E38A2A8:E24A8:E41A8:E4+A8:F14445A2A8:F1406 | Dr. Uzma Naseer         | UHS Lahore  | Prevention of vitamin A induced teratogenic effects on heart by folic acid in albino mice                                                  | Prof. Dr. Amir Ali Shoro | Approved      |
| M.Phil<br>Anatomy+A8:E26A8:E29A8:E31A2AA8:F14+A8:F11308:E34A8:E38A2A8:E24A8:E41A8:E4+A8:F14445A2A8:F1406 | Dr. Uzma Waseem         | PGMI Lahore | Protective effect of bark of Acacia catechu on Gastric Ulcers induced by acetylsalicylic acid in albino rats                               | Prof. Dr. Fozia Farzana  | Approved      |
| M.Phil<br>Anatomy+A8:E26A8:E29A8:E31A2AA8:F14+A8:F11308:E34A8:E38A2A8:E24A8:E41A8:E4+A8:F14445A2A8:F1406 | Dr. Wajid Hussain Barki | UHS Lahore  | Histological effects of topical benzalkonium chloride on the cornea of guinea pig                                                          | Prof. Dr. Muhammad Tahir | Approved      |
| M.Phil<br>Anatomy+A8:E26A8:E29A8:E31A2AA8:F14+A8:F11308:E34A8:E38A2A8:E24A8:E41A8:E4+A8:F14445A2A8:F1406 | Dr. Waqas Iqbal Butt    | UHS Lahore  | Effect of silymarin on gentamicin induced nephrotoxicity in albino rats/mice                                                               | Prof. Dr. Muhammad Tahir | Approved      |
| M.Phil<br>Anatomy+A8:E26A8:E29A8:E31A2AA8:F14+A8:F11308:E34A8:E38A2A8:E24A8:E41A8:E4+A8:F14445A2A8:F1406 | Dr. Yasmeen Javed       | UHS Lahore  | Effect of aqueous garlic extract on testosterone propionate induced changes in ovaries of prepubertal female albino rats                   | Prof. Dr. Muhammad Tahir | Approved      |
| M.Phil<br>Anatomy+A8:E26A8:E29A8:E31A2AA8:F14+A8:F11308:E34A8:E38A2A8:E24A8:E41A8:E4+A8:F14445A2A8:F1406 | Dr. Yasmeen Lashari     | UHS Lahore  | Effect of Mangifera indica peel and flesh extracts on histological structure of thyroid gland and circulating T3 ,T4 and TSH in albino rat | Prof. Dr. Muhammad Tahir | Pending       |



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| M.Phil<br>Anatomy+A8:E26A8:E29A8:E31A2AA8:F14+A8:F11308:E34A8:E38A2A8:E24A8:E41A8:E4+A8:F14445A2A8:F1406 | Dr. Yasmeen Niaz         | PGMI Lahore | Study of distribution of $\beta$ -Thalassemia gene mutations in Thalassemic couples and their fetuses                                        | Prof. Dr. Nosheen Omer   | Approved      |
| M.Phil<br>Anatomy+A8:E26A8:E29A8:E31A2AA8:F14+A8:F11308:E34A8:E38A2A8:E24A8:E41A8:E4+A8:F14445A2A8:F1406 | Dr. Zafar Iqbal          | UHS Lahore  | Protective effect of Phoenix dactylifera on alcohol induced hepatotoxicity in adult male albino rats                                         | Prof. Dr. Fozia Farzana  | Pending       |
| M.Phil<br>Anatomy+A8:E26A8:E29A8:E31A2AA8:F14+A8:F11308:E34A8:E38A2A8:E24A8:E41A8:E4+A8:F14445A2A8:F1406 | Dr. Zaffar Iqbal Malik   | UHS Lahore  | Effect of extract of Acacia Arabica leaves on ethanol induced hepatotoxicity in ambino mice                                                  | Prof. Dr. Muhammad Tahir | Approved      |
| M.Phil<br>Anatomy+A8:E26A8:E29A8:E31A2AA8:F14+A8:F11308:E34A8:E38A2A8:E24A8:E41A8:E4+A8:F14445A2A8:F1406 | Dr. Asma Fayyaz          | UHS Lahore  | Protective effect of aqueous of lawsonia inermis (henna) Leaves on acetylalicylic acid induced gastric mucosal toxicity in adult albino rats | Prof. Dr. Fozia Farzana  | Pending       |
| M.Phil<br>Anatomy+A8:E26A8:E29A8:E31A2AA8:F14+A8:F11308:E34A8:E38A2A8:E24A8:E41A8:E4+A8:F14445A2A8:F1406 | Dr. Muhammad Faisal Khan | UHS Lahore  | Effect of phoenix dactylifera fruit extract on nicotine induced nephrotoxicity in adult albino rats                                          | Prof. Dr. Fozia Farzana  | Approved      |
| M.Phil<br>Anatomy+A8:E26A8:E29A8:E31A2AA8:F14+A8:F11308:E34A8:E38A2A8:E24A8:E41A8:E4+A8:F14445A2A8:F1406 | Dr. Lubna Shahper        | PGMI Lahore | Nephroprotective effects of flax seeds (Linum usitatissimum L.) on triazophos-induced nephrotoxicity in male Wistar rats                     | Prof. Dr. Fozia Farzana  | Approved      |

| Degree                                                                                                                       | Student Name       | Institute   | Research Title                                                                                                                                       | Supervisor          | Report Status |
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| M.Phil<br>Anatomy+A8:E26A8:<br>E29A8:E31A2AA8:F1<br>4+A8:F11308:E34A8:<br>E38A2A8:E24A8:E41<br>A8:E4+A8:F14445A2<br>A8:F1406 | Dr. Madiha Hussain | PGMI Lahore | Protective effect of aqueous extract of henna (Lawsonia innermis L.) leaf on acetaminophen induced hepatotoxicity in adult albino rats               | Prof. Fozia Farzana | Pending       |
| M.Phil<br>Anatomy+A8:E26A8:<br>E29A8:E31A2AA8:F1<br>4+A8:F11308:E34A8:<br>E38A2A8:E24A8:E41<br>A8:E4+A8:F14445A2<br>A8:F1406 | Dr. Annum Basit    | PGMI Lahore | Effect of seabukthorn (Hippophae rhamnoides L.) on acetaminophen induced hepatotoxicity in adult albino rats                                         | Prof. Fozia Farzana | Approved      |
| M.Phil<br>Anatomy+A8:E26A8:<br>E29A8:E31A2AA8:F1<br>4+A8:F11308:E34A8:<br>E38A2A8:E24A8:E41<br>A8:E4+A8:F14445A2<br>A8:F1406 | Dr. Huma Riaz      | PGMI Lahore | Immunodulatory effects of Aloe vera on skin of BCG vaccinated albino rats                                                                            | Prof. Fozia Farzana | Approved      |
| M.Phil<br>Anatomy+A8:E26A8:<br>E29A8:E31A2AA8:F1<br>4+A8:F11308:E34A8:<br>E38A2A8:E24A8:E41<br>A8:E4+A8:F14445A2<br>A8:F1406 | Dr. Arooj Nawaz    | PGMI Lahore | Effects of flax seeds (Linum usitatissimum L.) on triazophos-induced hepatotoxicity in male albino Wistar rats                                       | Prof. Fozia Farzana | Approved      |
| M.Phil<br>Anatomy+A8:E26A8:<br>E29A8:E31A2AA8:F1<br>4+A8:F11308:E34A8:<br>E38A2A8:E24A8:E41<br>A8:E4+A8:F14445A2<br>A8:F1406 | Dr. Roomana Hashim | PGMI Lahore | Protective effect of moringa oleifera (Suhanjana) leaves extract on hepatotoxicity due to high doses of Allium Sativum (Garlic) in adult albino rats | Prof. Fozia Farzana | Pending       |
| M.Phil<br>Anatomy+A8:E26A8:<br>E29A8:E31A2AA8:F1<br>4+A8:F11308:E34A8:<br>E38A2A8:E24A8:E41<br>A8:E4+A8:F14445A2<br>A8:F1406 | Dr. Naeem Shahzad  | PGMI Lahore | Effects of Garcinia cambogia on extract on prostate of adult male albino rats                                                                        | Prof. Fozia Farzana | Approved      |
| M.Phil<br>Anatomy+A8:E26A8:<br>E29A8:E31A2AA8:F1<br>4+A8:F11308:E34A8:<br>E38A2A8:E24A8:E41<br>A8:E4+A8:F14445A2<br>A8:F1406 | Dr. Sumera Khalil  | UHS Lahore  | Calcification in the herniated lumbar intervertebral disc and its relationship with vertebral endplate changes on MRI                                | Dr. Uruj Zehra      | Approved      |

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| M.Phil<br>Anatomy+A8:E26A8:<br>E29A8:E31A2AA8:F1<br>4+A8:F11308:E34A8:<br>E38A2A8:E24A8:E41<br>A8:E4+A8:F14445A2<br>A8:F1406 | Dr. Shamila Ejaz      | UHS Lahore  | Polymorphisms of vitamin D receptor (Fok1 & Apa1) in spinal tuberculosis patients and healthy controls                                                | Dr. Uruj Zehra      | Approved      |
| M.Phil<br>Anatomy+A8:E26A8:<br>E29A8:E31A2AA8:F1<br>4+A8:F11308:E34A8:<br>E38A2A8:E24A8:E41<br>A8:E4+A8:F14445A2<br>A8:F1406 | Dr. Sadia Hassan      | UHS Lahore  | Determination of Col1aa sp1 polymorphism and bone mineral density in B- thalassemia patients                                                          | Dr. Uruj Zehra      | Approved      |
| M.Phil<br>Anatomy+A8:E26A8:<br>E29A8:E31A2AA8:F1<br>4+A8:F11308:E34A8:<br>E38A2A8:E24A8:E41<br>A8:E4+A8:F14445A2<br>A8:F1406 | Dr. Mamoon Shoukat    | PGMI Lahore | Study of morphological changes and nitro tyrosine expression induced by aspartame in albino wistar rat ovaries                                        | Dr. Uruj Zehra      | Approved      |
| M.Phil<br>Anatomy+A8:E26A8:<br>E29A8:E31A2AA8:F1<br>4+A8:F11308:E34A8:<br>E38A2A8:E24A8:E41<br>A8:E4+A8:F14445A2<br>A8:F1406 | Dr. Haseeb Ahmed Awan | PGMI Lahore | Effect of fruit extract of Citrullus colocynthis on ovaries of adult albino rats                                                                      | Prof. Fozia Farzana | Approved      |
| M.Phil<br>Anatomy+A8:E26A8:<br>E29A8:E31A2AA8:F1<br>4+A8:F11308:E34A8:<br>E38A2A8:E24A8:E41<br>A8:E4+A8:F14445A2<br>A8:F1406 | Dr. Iqra Javed        | PGMI Lahore | Histological analysis of protective effect of apple cider vinegar on gentamicin induced nephrotoxicity and SASHI gene expression in adult albino rats | Prof. Fozia Farzana | Approved      |
| M.Phil<br>Anatomy+A8:E26A8:<br>E29A8:E31A2AA8:F1<br>4+A8:F11308:E34A8:<br>E38A2A8:E24A8:E41<br>A8:E4+A8:F14445A2<br>A8:F1406 | Dr. Shumaila Sohail   | PGMI Lahore | Hepatoprotective effect of apple cider vinegar on gentamicin induced toxicity and SASHI gene expression in adult albino rats                          | Prof. Fozia Farzana | Approved      |
| M.Phil<br>Anatomy+A8:E26A8:<br>E29A8:E31A2AA8:F1<br>4+A8:F11308:E34A8:<br>E38A2A8:E24A8:E41<br>A8:E4+A8:F14445A2<br>A8:F1406 | Dr. Aneela Ashraf     | PGMI Lahore | Protective effect of milk thistle seed extract on methotrexate induced renal toxicity and expression of Kim-1 gene in adult albino rats               | Prof. Fozia Farzana | Approved      |

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| M.Phil<br>Anatomy+A8:E26A8:E29A8:E31A2AA8:F14+A8:F11308:E34A8:E38A2A8:E24A8:E41A8:E4+A8:F14445A2A8:F1406 | Dr. Amber Shami        | PGMI Lahore | Protective effects of corn silk extract on doxorubicin induced hepatotoxicity in albino rats                                                          | Prof. Fozia Farzana | Approved      |
| M.Phil<br>Anatomy+A8:E26A8:E29A8:E31A2AA8:F14+A8:F11308:E34A8:E38A2A8:E24A8:E41A8:E4+A8:F14445A2A8:F1406 | Dr. Samina Munawar     | PGMI Lahore | Nephroprotective effects of corn silk extracts on doxorubicin induced toxicity in albino rats                                                         | Prof. Fozia Farzana | Approved      |
| M.Phil<br>Anatomy+A8:E26A8:E29A8:E31A2AA8:F14+A8:F11308:E34A8:E38A2A8:E24A8:E41A8:E4+A8:F14445A2A8:F1406 | Dr. Misbah Aslam       | PGMI Lahore | Dose dependent prophylactic effect of henna (Lawsonia Innermis L.) leaf on acetaminophen induced hepatotoxicity in adult albino rats                  | Prof. Fozia Farzana | Approved      |
| M.Phil<br>Anatomy+A8:E26A8:E29A8:E31A2AA8:F14+A8:F11308:E34A8:E38A2A8:E24A8:E41A8:E4+A8:F14445A2A8:F1406 | Dr. Mehreen Salahuddin | PGMI Lahore | Effect of different doses of seabuckhorn (Hippophae rhamnoides L.) seed extract on histology of B-Cells in alloxan induced diabetic male Wistar rats  | Prof. Fozia Farzana | Approved      |
| M.Phil<br>Anatomy+A8:E26A8:E29A8:E31A2AA8:F14+A8:F11308:E34A8:E38A2A8:E24A8:E41A8:E4+A8:F14445A2A8:F1406 | Dr. Khurram Shabeer    | UHS Lahore  | Association of histological changes and calcification potential of degenerated intervertebral disc and adjacent facet joint changes on MRI            | Dr. Uruj Zehra      | Pending       |
| M.Phil<br>Anatomy+A8:E26A8:E29A8:E31A2AA8:F14+A8:F11308:E34A8:E38A2A8:E24A8:E41A8:E4+A8:F14445A2A8:F1406 | Dr. Huma Qamar         | UHS Lahore  | Histological degenerative changes and expression of IL-1 $\beta$ in lumbar degenerated disc of low back pain patients with vertebral endplate defects | Dr. Uruj Zehra      | Pending       |
| M.Phil<br>Anatomy+A8:E26A8:E29A8:E31A2AA8:F14+A8:F11308:E34A8:E38A2A8:E24A8:E41A8:E4+A8:F14445A2A8:F1406 | Dr. Sadia Aman         | UHS Lahore  | Anatomical parameters of eye ball & their correlation with Histological changes of pterygium                                                          | Dr. Uruj Zehra      | Approved      |

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| M.Phil<br>Anatomy+A8:E26A8:E29A8:E31A2AA8:F14+A8:F11308:E34A8:E38A2A8:E24A8:E41A8:E4+A8:F14445A2A8:F1406 | Dr. Muhammad Muneeb Ather | UHS Lahore   | Association of ultrasound measure of prostate weight with histological changes & calcification in symptomatic benign prostatic hyperplasia patients undergoing TURP | Dr. Uruj Zehra         | Pending       |
| M.Phil<br>Anatomy+A8:E26A8:E29A8:E31A2AA8:F14+A8:F11308:E34A8:E38A2A8:E24A8:E41A8:E4+A8:F14445A2A8:F1406 | Dr. Muhammad Ilyas Anjum  | NMU Multan   | Anatomical variations of cystic artery observed during cholecystectomy and cadaveric dissection                                                                     | Prof. Mansoor Ali Khan | Pending       |
| M.Phil<br>Anatomy+A8:E26A8:E29A8:E31A2AA8:F14+A8:F11308:E34A8:E38A2A8:E24A8:E41A8:E4+A8:F14445A2A8:F1406 | Dr. Qanbar Abbas Naqvi    | PGMI Lahore  | Effect of omega 3 fatty acids in protection against energy drink induced structural changes in testist of adult male albino wistar rats                             | Prof. Fozia Farzana    | Approved      |
| M.Phil<br>Anatomy+A8:E26A8:E29A8:E31A2AA8:F14+A8:F11308:E34A8:E38A2A8:E24A8:E41A8:E4+A8:F14445A2A8:F1406 | Dr. Mehwish Aamir         | PGMI Lahore  | Effects of citrulus colocynthis on kidneys of adult albino rats and expression of KIM-1                                                                             | Prof. Fozia Farzana    | Approved      |
| M.Phil<br>Anatomy+A8:E26A8:E29A8:E31A2AA8:F14+A8:F11308:E34A8:E38A2A8:E24A8:E41A8:E4+A8:F14445A2A8:F1406 | Dr. Hamna Umar            | PGMI Lahore  | Effect of silymarin on androgen receptors in teseosterone induced prostatic toxicity in adult male albino rats                                                      | Prof. Fozia Farzana    | Approved      |
| M.Phil<br>Anatomy+A8:E26A8:E29A8:E31A2AA8:F14+A8:F11308:E34A8:E38A2A8:E24A8:E41A8:E4+A8:F14445A2A8:F1406 | Dr. Uzma Batool           | PGMI Lahore  | Effect of cucurbita pepo (Pumpkin) seeds extract on androgen binding protein in bisphenol A induced testicular toxicity in male albino rats                         | Prof. Fozia Farzana    | Approved      |
| M.Phil<br>Anatomy+A8:E26A8:E29A8:E31A2AA8:F14+A8:F11308:E34A8:E38A2A8:E24A8:E41A8:E4+A8:F14445A2A8:F1406 | Dr. Faiza Shafqat         | SZPMI Lahore | Morphological and biochemical changes of fructose and aspartame containing carbonated drinks on liver of adult albino rats                                          | Prof. Muhammad Suhail  | Approved      |

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| M.Phil<br>Anatomy+A8:E26A8:<br>E29A8:E31A2AA8:F1<br>4+A8:F11308:E34A8:<br>E38A2A8:E24A8:E41<br>A8:E4+A8:F14445A2<br>A8:F1406 | Dr. Samah Fatima<br>Qaisrani | SZPMI Lahore | Morphological and biochemical changes of Moringa oleifera leaves on arsenic induced hepatotoxicity in adult albino rats                         | Prof. Muhammad Suhail | Approved      |
| M.Phil<br>Anatomy+A8:E26A8:<br>E29A8:E31A2AA8:F1<br>4+A8:F11308:E34A8:<br>E38A2A8:E24A8:E41<br>A8:E4+A8:F14445A2<br>A8:F1406 | Dr. Amna Muneeb              | SZPMI Lahore | Protective effects of virgin coconut oil (COCOS-NUCIFERA) on methotrexate induced kidney damage in adult male albino rats                       | Prof. Muhammad Suhail | Approved      |
| M.Phil<br>Anatomy+A8:E26A8:<br>E29A8:E31A2AA8:F1<br>4+A8:F11308:E34A8:<br>E38A2A8:E24A8:E41<br>A8:E4+A8:F14445A2<br>A8:F1406 | Dr. Sana Sohail              | PGMI Lahore  | Effect of silymarin on val induced toxicity in exocrine part of pancreas and its role in improving levels of procalcitonin in adult albino rats | Prof. Fozia Farzana   | Approved      |
| M.Phil<br>Anatomy+A8:E26A8:<br>E29A8:E31A2AA8:F1<br>4+A8:F11308:E34A8:<br>E38A2A8:E24A8:E41<br>A8:E4+A8:F14445A2<br>A8:F1406 | Dr. Hamna Ansari             | PGMI Lahore  | Comparison of morphometric study of liver and spleen in full term and preterm neonates by ultrasonography at a tertiary care hospital Lahore    | Prof. Muhammad Yasoob | Approved      |
| M.Phil<br>Anatomy+A8:E26A8:<br>E29A8:E31A2AA8:F1<br>4+A8:F11308:E34A8:<br>E38A2A8:E24A8:E41<br>A8:E4+A8:F14445A2<br>A8:F1406 | Dr. Anum Hafeez<br>Dogar     | PGMI Lahore  | CD34 expression and histomorphometric analysis of placental and umbilical cord blood vessels in gestational diabetes mellitus                   | Prof. Muhammad Yasoob | Approved      |
| M.Phil<br>Anatomy+A8:E26A8:<br>E29A8:E31A2AA8:F1<br>4+A8:F11308:E34A8:<br>E38A2A8:E24A8:E41<br>A8:E4+A8:F14445A2<br>A8:F1406 | Dr. Nimra Najib              | PGMI Lahore  | Effect of iron overload on RUNX2 levels and associated bone changes in beta thalassemia major patients                                          | Prof. Muhammad Yasoob | Approved      |
| M.Phil<br>Anatomy+A8:E26A8:<br>E29A8:E31A2AA8:F1<br>4+A8:F11308:E34A8:<br>E38A2A8:E24A8:E41<br>A8:E4+A8:F14445A2<br>A8:F1406 | Dr. Noor Ijaz                | PGMI Lahore  | Association of serum ferritin with histomorphological changes of placenta in gestational diabetes mellitus                                      | Prof. Muhammad Yasoob | Approved      |

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| M.Phil<br>Anatomy+A8:E26A8:E29A8:E31A2AA8:F14+A8:F11308:E34A8:E38A2A8:E24A8:E41A8:E4+A8:F14445A2A8:F1406 | Dr. Rana Muhammad Zeeshan | UHS Lahore   | The effects of non-selective COX and selective COX2 NSAIDs on histological changes and expression of collagen X marker during rat femoral fracture healing                            | Dr. Uruj Zehra      | Approved      |
| M.Phil<br>Anatomy+A8:E26A8:E29A8:E31A2AA8:F14+A8:F11308:E34A8:E38A2A8:E24A8:E41A8:E4+A8:F14445A2A8:F1406 | Dr. Asma Sajjad Khawaja   | UHS Lahore   | Effects of non-selective and selective COX-2 inhibitors on regeneration of knee articular cartilage after retrograde intramedullary nailing-A comparative study on wistar albino rats | Dr. Uruj Zehra      | Approved      |
| M.Phil<br>Anatomy+A8:E26A8:E29A8:E31A2AA8:F14+A8:F11308:E34A8:E38A2A8:E24A8:E41A8:E4+A8:F14445A2A8:F1406 | Dr. Zahra Fatima          | SZPMI Lahore | Protective effects of Allium cepa extract on cisplatin induced hepatotoxicity in adult male wistar rats                                                                               | Dr. Muhammad Suhail | Approved      |
| M.Phil<br>Anatomy+A8:E26A8:E29A8:E31A2AA8:F14+A8:F11308:E34A8:E38A2A8:E24A8:E41A8:E4+A8:F14445A2A8:F1406 | Dr. Samia Shahbaz         | SZPMI Lahore | Protective effects of Lycopersicon esculentum on sertraline induced testicular histomorphology in adult male Wistar rats                                                              | Dr. Muhammad Suhail | Approved      |
| M.Phil<br>Anatomy+A8:E26A8:E29A8:E31A2AA8:F14+A8:F11308:E34A8:E38A2A8:E24A8:E41A8:E4+A8:F14445A2A8:F1406 | Dr. Mahrukh Malik         | SZPMI Lahore | Protective effects of Citrus limon peel and seed extract on mercury induced nephrotoxicity in adult male Wistar rats                                                                  | Dr. Muhammad Suhail | Approved      |
| M.Phil<br>Anatomy+A8:E26A8:E29A8:E31A2AA8:F14+A8:F11308:E34A8:E38A2A8:E24A8:E41A8:E4+A8:F14445A2A8:F1406 | Dr. Maria Zafar           | UHS Lahore   | Alterations in the histological features and VEGF expression during fracture healing of rat femur after administration of non-selective COX and selective COX2 inhibitors             | Dr. Uruj Zehra      | Approved      |
| M.Phil<br>Anatomy+A8:E26A8:E29A8:E31A2AA8:F14+A8:F11308:E34A8:E38A2A8:E24A8:E41A8:E4+A8:F14445A2A8:F1406 | Dr. Safia Tasawar         | UHS Lahore   | Histological changes of skin during wound healing after administration of non-selective and selective COX-2 inhibitors in wistar albino rats                                          | Dr. Uruj Zehra      | Approved      |

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| M.Phil<br>Anatomy+A8:E26A8:<br>E29A8:E31A2AA8:F1<br>4+A8:F11308:E34A8:<br>E38A2A8:E24A8:E41<br>A8:E4+A8:F14445A2<br>A8:F1406 | Dr. Aisha Majeed         | PGMI Lahore  | Anatomical variations of extra-hepatic biliary tract on Endoscopic Retrograde Cholangiopancreatography (ERCP) and their association with bile duct stones and biliary tract injuries in a tertiary care hospital of Lahore | Prof. Muhammad Yasoob | Approved      |
| M.Phil<br>Anatomy+A8:E26A8:<br>E29A8:E31A2AA8:F1<br>4+A8:F11308:E34A8:<br>E38A2A8:E24A8:E41<br>A8:E4+A8:F14445A2<br>A8:F1406 | Dr. Mubeena Abdul Qayyum | PGMI Lahore  | Effect of curcumin on vitamin D receptor in atorvastatin induced skeletal myotoxicity in adult albino rats                                                                                                                 | Prof. Muhammad Yasoob | Approved      |
| M.Phil<br>Anatomy+A8:E26A8:<br>E29A8:E31A2AA8:F1<br>4+A8:F11308:E34A8:<br>E38A2A8:E24A8:E41<br>A8:E4+A8:F14445A2<br>A8:F1406 | Dr. Humaira Yousaf       | PGMI Lahore  | Association of serum lipid profile with ultrasonographic and histomorphological changes in placentae of obese and non obese primigravid full term pregnant females                                                         | Prof. Muhammad Yasoob | Approved      |
| M.Phil<br>Anatomy+A8:E26A8:<br>E29A8:E31A2AA8:F1<br>4+A8:F11308:E34A8:<br>E38A2A8:E24A8:E41<br>A8:E4+A8:F14445A2<br>A8:F1406 | Dr. Saima Abdul Waheed   | PGMI Lahore  | Effects of pomegranate (Punica granatum) fruit juice extract on abamectin induced hepatotoxicity in adult albino rats                                                                                                      | Prof. Muhammad Yasoob | Pending       |
| M.Phil<br>Anatomy+A8:E26A8:<br>E29A8:E31A2AA8:F1<br>4+A8:F11308:E34A8:<br>E38A2A8:E24A8:E41<br>A8:E4+A8:F14445A2<br>A8:F1406 | Dr. Amna Rehman          | SZPMI Lahore | Ameliorative effects of Cinnamomum zeylanicum bark extract on ibuprofen induced nephrotoxicity in adult male Wistar rats                                                                                                   | Prof. Muhammad Suhail | Approved      |
| M.Phil<br>Anatomy+A8:E26A8:<br>E29A8:E31A2AA8:F1<br>4+A8:F11308:E34A8:<br>E38A2A8:E24A8:E41<br>A8:E4+A8:F14445A2<br>A8:F1406 | Dr. Kinza Fatima         | UHS Lahore   | Expression of TGF- $\beta$ 1mRNA in paraspinal muscle of scoliotic patients and its association with histological changes                                                                                                  | Dr. Uruj Zehra        | Approved      |
| M.Phil<br>Anatomy+A8:E26A8:<br>E29A8:E31A2AA8:F1<br>4+A8:F11308:E34A8:<br>E38A2A8:E24A8:E41<br>A8:E4+A8:F14445A2<br>A8:F1406 | Dr. Ayesha Ahmad         | UHS Lahore   | Expression of LBXL mRNA in paraspinal muscles of scoliotic patients and its association with Cobb angle                                                                                                                    | Dr. Uruj Zehra        | Approved      |



| Degree                                                                                                                       | Student Name          | Institute      | Research Title                                                                                                                                                                                                       | Supervisor                 | Report Status |
|------------------------------------------------------------------------------------------------------------------------------|-----------------------|----------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------|---------------|
| M.Phil<br>Anatomy+A8:E26A8:<br>E29A8:E31A2AA8:F1<br>4+A8:F11308:E34A8:<br>E38A2A8:E24A8:E41<br>A8:E4+A8:F14445A2<br>A8:F1406 | Dr. Khayyam Arif Rana | PGMI Lahore    | Effect of Phoenix dactylifera (Ajwa Date) fruit extract on alcohol induced structural changes in testis of adult albino wistar rats                                                                                  | Prof. Fouzia Farzana       | Approved      |
| M.Phil<br>Anatomy+A8:E26A8:<br>E29A8:E31A2AA8:F1<br>4+A8:F11308:E34A8:<br>E38A2A8:E24A8:E41<br>A8:E4+A8:F14445A2<br>A8:F1406 | Dr. Amber Ilyas       | PGMI Lahore    | Effect of Centratherum anthelminticum (kalijiri) seed extract on GLUT-2 receptor expression in atorvastatin induced pancreatic beta cell toxicity in adult albino rats                                               | Prof. Muhammad Yasoob      | Approved      |
| M.Phil<br>Anatomy+A8:E26A8:<br>E29A8:E31A2AA8:F1<br>4+A8:F11308:E34A8:<br>E38A2A8:E24A8:E41<br>A8:E4+A8:F14445A2<br>A8:F1406 | Dr. Faiza Hanif       | PGMI Lahore    | Effect of camel milk on diclofenac sodium induced nephrotoxicity in adult albino rats                                                                                                                                | Prof. Muhammad Yasoob      | Approved      |
| M.Phil<br>Anatomy+A8:E26A8:<br>E29A8:E31A2AA8:F1<br>4+A8:F11308:E34A8:<br>E38A2A8:E24A8:E41<br>A8:E4+A8:F14445A2<br>A8:F1406 | Dr. Sana Fatima       | PGMI Lahore    | Effect of zingiber officinale roscoe (ginger) extract on high fructose diet induced non-alcoholic fatty liver disease in adult albino rat                                                                            | Prof. Muhammad Yasoob      | Approved      |
| M.Phil<br>Anatomy+A8:E26A8:<br>E29A8:E31A2AA8:F1<br>4+A8:F11308:E34A8:<br>E38A2A8:E24A8:E41<br>A8:E4+A8:F14445A2<br>A8:F1406 | Dr. Arifa Tariq       | PGMI Lahore    | Comparison of thyroxine induced osteoporotic changes in axial and appendicular skeleton of adult albino female rats                                                                                                  | Prof. Muhammad Yasoob      | Approved      |
| M.Phil Behavioural<br>Sciences                                                                                               | Dr. Asad Ullah Jan    | UHS Lahore     | Post traumatic growth following eye movement desensitization and reprocessing therapy versus low intensity psychological intervention in patients of post-traumatic stress disorder-An open labeled randomized trial | Prof. Mowadat Hussain Rana | Approved      |
| M.Phil Behavioural<br>Sciences                                                                                               | Dr. Asma Ahmad        | UHS Lahore     | The effect of counselling in preoperative anxiety among the patients undergoing third molar surgery                                                                                                                  | Dr. Muhammad Mujtaba       | Approved      |
| M.Phil Behavioural<br>Sciences                                                                                               | Dr. Fatima Aslam      | UHS Lahore     | Factors influencing the choice of speciality among doctors of Punjab                                                                                                                                                 | Dr. Muhammad Mujtaba       | Approved      |
| M.Phil Behavioural<br>Sciences                                                                                               | Dr. Muhammad Imran    | UHS Lahore     | Professionalism among consultants in teaching hospitals                                                                                                                                                              | Dr. Muhammad Mujtaba       | Approved      |
| M.Phil Behavioural<br>Sciences                                                                                               | Dr. Muhammad Kashif   | RMU Rawalpindi | Predictive value of emotional intelligence and correlation between emotional intelligence and acaedmic achievement among medical students                                                                            | Dr. Saqib Bajwa            | Approved      |

| Degree                      | Student Name               | Institute      | Research Title                                                                                                                                                 | Supervisor           | Report Status |
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| M.Phil Behavioural Sciences | Dr. Muhammad Rizwan Khan   | UHS Lahore     | Oral health related quality of life of prisoners in Central Jail Lahore                                                                                        | Dr. Muhammad Mujtaba | Approved      |
| M.Phil Behavioural Sciences | Dr. Muhammad Saqib Rabbani | UHS Lahore     | Comparison of stress level among different years of study in undergraduate dental students                                                                     | Dr. Muhammad Mujtaba | Approved      |
| M.Phil Behavioural Sciences | Dr. Nauman Qamar           | UHS Lahore     | Correlation of illness and treatment perception with adherence to medications in diabetic patients                                                             | Dr. Muhammad Mujtaba | Approved      |
| M.Phil Behavioural Sciences | Dr. Qurrat-ul-ain Fatima   | UHS Lahore     | Hypodontia impact on the oral health related quality of life in children”                                                                                      | Dr. Muhammad Mujtaba | Approved      |
| M.Phil Behavioural Sciences | Dr. Shehla Aslam           | UHS Lahore     | Attitude of dentists towards gifts from pharmaceutical industry                                                                                                | Dr. Muhammad Mujtaba | Approved      |
| M.Phil Behavioural Sciences | Dr. Swera Mansoor          | UHS Lahore     | Correlation of personality perceived stress and coping strategies of medical students with their academic performance                                          | Dr. Muhammad Mujtaba | Pending       |
| M.Phil Behavioural Sciences | Dr. Syed Ahmed Mahmud      | UHS Lahore     | Correlation between emotional intelligence, workplace stress and general health status of clinical post graduate trainees in tertiary care hospitals of Lahore | Dr. Muhammad Mujtaba | Approved      |
| M.Phil Behavioural Sciences | Dr. Unaiza Jawad           | UHS Lahore     | Factors related to non-adherence of medication with multiple comorbid chronic conditions                                                                       | Dr. Muhammad Mujtaba | Approved      |
| M.Phil Behavioural Sciences | Dr. Waqas Rabbani          | UHS Lahore     | Awareness of medical graduates about capacity assessment – comparative study of two medical colleges regarding Behavioural Sciences                            | Dr. Muhammad Mujtaba | Approved      |
| M.Phil Behavioural Sciences | Dr. Sadia Chaudhary        | UHS Lahore     | Association of anxiety and depression in infertile couples with their quality of life                                                                          | Dr. Muhammad Mujtaba | Approved      |
| M.Phil Behavioural Sciences | Dr. Farhat Yasmin Minhas   | UHS Lahore     | Comparison of stress level among different years of study in undergraduate medical students of three private medical college                                   | Dr. Muhammad Mujtaba | Approved      |
| M.Phil Behavioural Sciences | Dr. Nosheen Nadeem         | UHS Lahore     | A mixed method study to explore causes of stress among postgraduate teaching faculty in Lahore, Punjab, Pakistan                                               | Dr. Muhammad Mujtaba | Pending       |
| M.Phil Behavioural Sciences | Dr. Komal Hamid            | UHS Lahore     | Impact of polycystic ovary syndrome on psychosocial aspects of patient's life                                                                                  | Dr. Muhammad Mujtaba | Pending       |
| M.Phil Behavioural Sciences | Dr. Aimen Atta             | UHS Lahore     | Frequency of mistreatment in medical students and its effect on mental health and academic performance of students                                             | Dr. Muhammad Mujtaba | Pending       |
| M.Phil Behavioural Sciences | Dr. Fariha Asghar          | UHS Lahore     | Correlation between coping strategies and perceived stress among undergraduate dental students                                                                 | Dr. Saqib Bajwa      | Approved      |
| M.Phil Behavioural Sciences | Dr. Khadija Tul Kubra      | GMC Gujranwala | Correlation between emotional intelligence and coping strategies among Pakistani medical students                                                              | Dr. Saqib Bajwa      | Approved      |
| M.Phil Behavioural Sciences | Dr. Shazia Akram Rao       | UHS Lahore     | Prevalence of bullying in private middle school students of Lahore                                                                                             | Dr. Saqib Bajwa      | Pending       |

| Degree                      | Student Name              | Institute      | Research Title                                                                                                                                                  | Supervisor                     | Report Status |
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| M.Phil Behavioural Sciences | Dr. Shazia Akram Rao      | UHS Lahore     | Comparison of frequency of bullying among private and public school students of Lahore                                                                          | Dr. Saqib Bajwa                | Approved      |
| M.Phil Behavioural Sciences | Dr. Saif Ur Rehman        | GMC Gujranwala | Influence of inducement offered by pharmaceutical companies on the prescription behavior of general medical practitioners                                       | Dr. Saqib Bajwa                | Approved      |
| M.Phil Behavioural Sciences | Dr. Habiba Maqsood        | SIMS Lahore    | Comparison of empathy levels among medical and dental health professionals                                                                                      | Dr. Sumira Qamae Bukhari       | Approved      |
| M.Phil Behavioural Sciences | Dr. Qurat-ul-Ain Mehfooz  | GMC Gujranwala | Correlation between metacognition and academic performance of 3rd year MBBS students in private medical colleges of Multan                                      | Dr. Saqib Bajwa                | Approved      |
| M.Phil Behavioural Sciences | Dr. Muhammad Ali Ather    | SIMS Lahore    | Influence of social media overload on academic performance of medical students: A stressor- strain-outcome perspective                                          | Dr. Sumira Qamae Bukhari       | Approved      |
| M.Phil Behavioural Sciences | Dr. Nawab Shah            | UHS Lahore     | Frequency of violence and its associated factors among the healthcare professionals of hospitals in Baluchistan                                                 | Dr. Muhammad Saqib Rabani      | Approved      |
| M.Phil Behavioural Sciences | Dr. Iram Afzaal           | UHS Lahore     | Correlation of illness self concept with self care and glycemic control among type 2 diabetic patients                                                          | Dr. Muhammad Saqib Rabani      | Pending       |
| M.Phil Biochemistry         | Dr. Aamenah Malik         | PGMI Lahore    | NT-ProBNP in assessment of severity of heart failure                                                                                                            | Prof. Dr. Tariq Feroze Khawaja | Approved      |
| M.Phil Biochemistry         | Dr. Aansa UMBER Nisar     | PGMI Lahore    | Relationship of subclinical hypothyroidism and myocardial infarction                                                                                            | Prof. Dr. Tariq Feroze Khawaja | Approved      |
| M.Phil Biochemistry         | Dr. Abdul Sadiq           | UHS Lahore     | Murine double minute 2 gene polymorphism in Chronic Hepatitis C virus patients                                                                                  | Dr. Saba Khaliq                | Approved      |
| M.Phil Biochemistry         | Dr. Adnan Riaz            | UHS Lahore     | serum levels of homocysteine, uric acid and zinc in females of polycystic ovarian syndrome with and without insulin resistance                                  | Prof. Dr. Tariq Feroze Khawaja | Approved      |
| M.Phil Biochemistry         | Dr. Afshan Zareen         | PGMI Lahore    | Thyroid dysfunction in type 2 diabetes mellitus                                                                                                                 | Prof. Dr. Tariq Feroze Khawaja | Approved      |
| M.Phil Biochemistry         | Dr. Amna Ihsan            | PGMI Lahore    | Serum NGAL (Neutrophil gelatinase associated lipocalin) as an early biomarker for the diagnosis of acute kidney injury after percutaneous coronary intervention | Prof. Dr. Tariq Feroze Khawaja | Approved      |
| M.Phil Biochemistry         | Dr. Arshad Mahmood Minhas | PGMI Lahore    | Serum vitamin A Level in children suffering from tuberculosis                                                                                                   | Prof. Dr. Zamir Ahmad          | Approved      |
| M.Phil Biochemistry         | Dr. Ayesha Pervez         | UHS Lahore     | Assessment of DNA damage due to lead exposure in traffic wardens of Lahore city                                                                                 | Prof. Dr. Zamir Ahmad          | Approved      |
| M.Phil Biochemistry         | Dr. Chaman Gul            | PGMI Lahore    | C-reactive protein level in coronary artery disease and its correlation with serum D-dimmer                                                                     | Prof. Dr. Tariq Feroze Khawaja | Approved      |
| M.Phil Biochemistry         | Dr. Faisal Khan           | PGMI Lahore    | Changes in Serum Alpha-Glutathione S-Transferase and Alanine Aminotransferase Levels in patients With Interferon treated Hepatitis C                            | Prof. Dr. Tariq Feroze Khawaja | Approved      |
| M.Phil Biochemistry         | Dr. Faiza Abrar           | UHS Lahore     | Predictive value of CA 19-9 after tumor resection in patient with carcinoma of pancreas                                                                         | Prof. Dr. Tariq Feroze Khawaja | Approved      |
| M.Phil Biochemistry         | Dr. Farah Naz             | UHS Lahore     | Leptin deficiency and Leptin gene mutations in childhood obesity                                                                                                | Dr. Saqib Mahmood              | Approved      |
| M.Phil Biochemistry         | Dr. Fozan Ahmad           | UHS Lahore     | Correlation of serum lead levels with hematologic indices in car painters of Lahore                                                                             | Prof. Dr. Zamir Ahmad          | Approved      |
| M.Phil Biochemistry         | Dr. Haleema Sajid         | UHS Lahore     | Comparison of serum interleukin-1 $\beta$ levels in $\beta$ -thalassaemia major children with normal and impaired glucose tolerance                             | Prof. Dr. Anila Asghar         | Approved      |
| M.Phil Biochemistry         | Dr. Hira Sohail           | UHS Lahore     | Bone mineral density, serum IGF-1 and leptin in 5-11 years old normal and $\beta$ -thalassemia major children                                                   | Prof. Dr. Khalid Parvez Lone   | Approved      |

| Degree              | Student Name     | Institute   | Research Title                                                                                          | Supervisor                     | Report Status |
|---------------------|------------------|-------------|---------------------------------------------------------------------------------------------------------|--------------------------------|---------------|
| M.Phil Biochemistry | Dr. Huma Ali     | UHS Lahore  | Association of single nucleotide polymorphism of STAT4 gene with rheumatoid arthritis in local patients | Dr. Haiba Kaul                 | Pending       |
| M.Phil Biochemistry | Dr. Huma Ashraf  | PGMI Lahore | Serum adiponectin and leptin levels in obese and non-obese postmenopausal hypertensive women            | Prof. Dr. Tariq Feroze Khawaja | Approved      |
| M.Phil Biochemistry | Dr. Humera Usman | UHS Lahore  | Association of essential Fatty acids, vitamin D & zinc with eczema in children                          | Prof. Dr. Tariq Feroze Khawaja | Pending       |
| M.Phil Biochemistry | Dr. Iram Fayyaz  | UHS Lahore  | Correlation of serum adiponectin and serum lipoprotein (a) in coronary artery disease                   | Prof. Dr. Zamir Ahmad          | Approved      |

| Degree              | Student Name                | Institute      | Research Title                                                                                                                                                                    | Supervisor                     | Report Status |
|---------------------|-----------------------------|----------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------|---------------|
| M.Phil Biochemistry | Dr. Jariya Wajahat          | UHS Lahore     | Oxidative stress with reference to glucose 6 phosphate dehydrogenase in metabolic syndrome                                                                                        | Prof. Dr. Zamir Ahmad          | Approved      |
| M.Phil Biochemistry | Dr. Khalida Anwar           | UHS Lahore     | Estimation of serum trace element (Zn+2, Cu+2, Se-2 and Mg+2) with DNA damage in asthma                                                                                           | Prof. Dr. Zamir Ahmad          | Approved      |
| M.Phil Biochemistry | Dr. Kiran Namooos           | UHS Lahore     | Comparison of febrinogen and homocystenine on patients with controlled and uncontrolled type 2 diabetes mellitus                                                                  | Prof. Dr. Tariq Feroze Khawaja | Approved      |
| M.Phil Biochemistry | Dr. Lubna Jabeen            | PGMI Lahore    | Maternal serum ischemia modified albumin, creatinine and uric acid as biochemical markers of preeclampsia by comparing their levels in preeclamptic with healthy pregnant females | Prof. Anila Asghar             | Approved      |
| M.Phil Biochemistry | Dr. Maida Kausar            | UHS Lahore     | Role of the obesity- linked stimuli, estrogen, leptin and insulin and their increased expression, in peri and post menopausal women as a marker in progression of breast cancer   | Prof. Dr. Zamir Ahmad          | Pending       |
| M.Phil Biochemistry | Dr. Mansoor Ghani           | UHS Lahore     | Serum zinc and copper concentrations in patients with carcinoma of the prostate                                                                                                   | Prof. Dr. Zamir Ahmad          | Approved      |
| M.Phil Biochemistry | Dr. Masooma Bilal           | PGMI Lahore    | Comparison of effects of Aloe vera and Diclofenac on blood pressure and renal function of hypertensive rats                                                                       | Prof. Dr. Khalid Parvez Lone   | Approved      |
| M.Phil Biochemistry | Dr. Mudasar Zia             | UHS Lahore     | Serum uric acid and homocysteine levels in preeclamptic and normal pregnancy                                                                                                      | Prof. Dr. Tariq Feroze Khawaja | Approved      |
| M.Phil Biochemistry | Dr. Muhammad Adnan Sadiq    | UHS Lahore     | Serum calprotectin in type 2 diabetes and non diabetes and its correclation with HOMA-IR and HOMA-B                                                                               | Dr. Haiba Kaul                 | Approved      |
| M.Phil Biochemistry | Dr. Muhammad Afzal          | UHS Lahore     | Comparison of serum granzyme B levels in normal women and women with benign and malisgnant breast disease                                                                         | Prof. Dr. Tariq Feroze Khawaja | Approved      |
| M.Phil Biochemistry | Dr. Muhammad Enos           | UHS Lahore     | Serum SMAD3 levels and gene polymorphism (rs2289263T/G) in patients with rheumatoid arthritis                                                                                     | Dr. Haiba Kaul                 | Pending       |
| M.Phil Biochemistry | Dr. Muhammad Faisal Javaid  | PGMI Lahore    | Serum gamma glutamyltransferase concentration and peripheral neuropathy in type 2 diabetes mellitus                                                                               | Prof. Dr. Tariq Feroze Khawaja | Approved      |
| M.Phil Biochemistry | Dr. Muhammad Hammad Yousaf  | UHS Lahore     | Betatrophin levels in type 2 diabetic and non diabetic males and its correlation with HOMA-IR, HOMA-B and triglycerides                                                           | Dr. Haiba Kaul                 | Approved      |
| M.Phil Biochemistry | Dr. Muhammad Humayun        | UHS Lahore     | To study the serum chromium level in patients with diabetes mellitus type II                                                                                                      | Prof. Dr. Zamir Ahmad          | Approved      |
| M.Phil Biochemistry | Dr. Muhammad Ikhlaq Anwar   | PMC Faisalabad | Serotyping of Dengue virus among patients having raised transaminase activity and NS 1 antigen positive admitted in Allied Hospital Faisalabad                                    | Prof. Dr. Muhammad Ashraf      | Pending       |
| M.Phil Biochemistry | Dr. Muhammad Mustansar      | UHS Lahore     | Differences of plasma osmolality in healthy breastfed and non breastfed infants                                                                                                   | Prof. Dr. Zamir Ahmad          | Approved      |
| M.Phil Biochemistry | Dr. Muhammad Naveed Najeel  | UHS Lahore     | Hormonal profile of patients with 46, XY disorder of sex development                                                                                                              | Dr. Saqib Mahmood              | Approved      |
| M.Phil Biochemistry | Dr. Muhammad Shahzad Farooq | PMC Faisalabad | Evaluation of role of homocysteine in coronar artery disease                                                                                                                      | Dr. Muhammad Saeed             | Approved      |
| M.Phil Biochemistry | Dr. Muhammad Shakil         | UHS Lahore     | Linkage analysis of oculocutaneous albinism (OCA) in Pakistani families                                                                                                           | Dr. Haiba Kaul                 | Approved      |
| M.Phil Biochemistry | Dr. Nadia Rashid            | UHS Lahore     | Association of levels of serum selenium with anemia in primary school children                                                                                                    | Prof. Dr. Zamir Ahmad          | Approved      |
| M.Phil Biochemistry | Dr. Naeem Ul Hassan Qazi    | UHS Lahore     | Evaluation of trace elements' deficiency in male infertiles from Cholistan                                                                                                        | Dr. Muhammad Jawad Hassan      | Approved      |
| M.Phil Biochemistry | Dr. Najma Majeed            | PGMI Lahore    | Comparison of total serum sialic acid and blood hemoglobin A1c in diabetes with & without diabetic retinopathy                                                                    | Prof. Dr. Tariq Feroze Khawaja | Approved      |
| M.Phil Biochemistry | Dr. Nazish Mehmood Aisha    | UHS Lahore     | Detection of TNF- $\alpha$ Gene polymorphism (-308 G/A) in Acne vulgaris patients                                                                                                 | Dr. Muhammad Jawad Hassan      | Approved      |
| M.Phil Biochemistry | Dr. Poonum Hameed           | PGMI Lahore    | Comparison of the levels of serum vitamin A, E and C in male smokers and non smokers                                                                                              | Prof. Dr. Tariq Feroze Khawaja | Approved      |

| Degree              | Student Name        | Institute   | Research Title                                                                                                                                                    | Supervisor                     | Report Status |
|---------------------|---------------------|-------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------|---------------|
| M.Phil Biochemistry | Dr. Roohi Jabbar    | UHS Lahore  | Role of Glucose transporter protein 4 in polycystic ovarian syndrome.                                                                                             | Prof. Dr. Tariq Feroze Khawaja | Approved      |
| M.Phil Biochemistry | Dr. Sadia Mahmood   | UHS Lahore  | Correlation of serum zinc levels with aqueous humor and lens zinc levels in patients with senile cataract                                                         | Prof. Dr. Zamir Ahmad          | Approved      |
| M.Phil Biochemistry | Dr. Sadia Qureshi   | UHS Lahore  | Serum Levels of HER2/neu and Estrogen in women with Carcinoma of the Breast and their correlation with Body mass index                                            | Prof. Dr. Zamir Ahmad          | Approved      |
| M.Phil Biochemistry | Dr. Saima Rasheed   | PGMI Lahore | Evaluation of serum p53 protein and immunoglobulins (IgG, IgA and IgM) as an indicator of latent tuberculosis infection                                           | Prof. Dr. Tariq Feroze Khawaja | Pending       |
| M.Phil Biochemistry | Dr. Saima Saeed     | PGMI Lahore | Association of hyperhomocysteinemia with coronary artery disease independent of traditional risk factors                                                          | Prof. Dr. Zamir Ahmad          | Approved      |
| M.Phil Biochemistry | Dr. Saira Mushtaq   | PGMI Lahore | Effect of dried Ginger (Zingiber officinale) on lipid profile in hyperlipidemic patients                                                                          | Prof. Dr. Naumaan Aslam Malik  | Approved      |
| M.Phil Biochemistry | Dr. Salman Idrees   | UHS Lahore  | Blood lead level and its correlation with biochemical parameters in city traffic police of Lahore                                                                 | Prof. Dr. Zamir Ahmad          | Approved      |
| M.Phil Biochemistry | Dr. Sara Mahmood    | PGMI Lahore | Serum zinc and chromium levels in Pakistani women with gestational diabetes                                                                                       | Prof. Dr. Tariq Feroze Khawaja | Approved      |
| M.Phil Biochemistry | Dr. Shabbir Hussain | UHS Lahore  | Steroidogenic factor-1 (NR5A1) in 46-XY individuals with disorders of sex development (DSDs)                                                                      | Dr. Shagufta Khaliq            | Approved      |
| M.Phil Biochemistry | Dr. Shazia Rashid   | PGMI Lahore | A study of the diagnostic value of cardiac markers; troponin T and CK-MB in acute myocardial infraction                                                           | Prof. Dr. Tariq Feroze Khawaja | Approved      |
| M.Phil Biochemistry | Dr. Shoaib Ahmed    | UHS Lahore  | Association of single nucleotide polymorphism of Interleukin-6 receptor (IL-6R) gene with Rheumatoid Arthritis in patients from Pakistan                          | Dr. Haiba Kaul                 | Approved      |
| M.Phil Biochemistry | Dr. Sobia Imtiaz    | UHS Lahore  | Correlation of serum ferritin and serum transferrin receptor / ferritin ratio with oxidized low density lipoprotein in ischemic heart disease                     | Dr. Sobia Imtiaz               | Approved      |
| M.Phil Biochemistry | Dr. Sohaib Farooq   | PGMI Lahore | Correlation of C-reactive protein with creatine kinase-MB and troponin-T in acute myocardial infarction                                                           | Prof. Dr. Zamir Ahmad          | Approved      |
| M.Phil Biochemistry | Dr. Sumera Saghir   | UHS Lahore  | Comparison of cystatin C based estimated glomerular filtration rate with creatinine based estimated glomerular filtration rate in beta thalassemia major children | Prof. Dr. Tariq Feroze Khawaja | Approved      |

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| M.Phil Biochemistry | Dr. Syed Faisal Hassan Shah | UHS Lahore  | Ultrasonographic bone profile comparison between hyperthyroid and subclinical hyperthyroid patients                                  | Prof. Dr. Zamir Ahmad          | Approved      |
| M.Phil Biochemistry | Dr. Uzma Faryal Amir        | PGMI Lahore | Effect of hormonal contraceptives on serum lipids and liver functions in females of reproductive age group                           | Prof. Dr. Tariq Feroze Khawaja | Approved      |
| M.Phil Biochemistry | Dr. Zahid Mahmood           | PGMI Lahore | The role of human heart-type fatty acid binding protien in early detection of myocardial injury in acute coronary syndrome           | Prof. Dr. Tariq Feroze Khawaja | Approved      |
| M.Phil Biochemistry | Dr. Zia Ullah               | UHS Lahore  | Serum trace elements Zinc, Copper and Iron in Rheumatoid Arthritis                                                                   | Dr. Haiba Kaul                 | Approved      |
| M.Phil Biochemistry | Dr. Zubaida Afshan          | PGMI Lahore | To study the clinical significance of receptor HER-2/neu status in ductal carcinoma of breast in female patients                     | Prof. Dr. Tariq Feroze Khawaja | Approved      |
| M.Phil Biochemistry | Mr. M. Ikram Ullah          | UHS Lahore  | Molecular genetic studies in families with autosomal recessive primary microcephaly (MCPH) from Punjab                               | Dr. Muhammad Jawad Hassan      | Approved      |
| M.Phil Biochemistry | Mr. Muhammad Umer Khan      | UHS Lahore  | CYP1B1 mutations in patients with primary congenital glaucoma                                                                        | Dr. Saqib Mahmood              | Approved      |
| M.Phil Biochemistry | Mr. Umair Mahmood           | UHS Lahore  | Molecular analysis of GALT gene in patients with galactosemia                                                                        | Prof. Dr. Salma Iqbal Naik     | Approved      |
| M.Phil Biochemistry | Ms. Anbreem Mazhar Ch.      | UHS Lahore  | Comparison of CEA and CA19-9 with CA72-4 in patients with gastrointestinal carcinoma in local population                             | Prof. Dr. Zamir Ahmad          | Approved      |
| M.Phil Biochemistry | Ms. Asma Fiqhat             | PGMI Lahore | Levels of serum selenium, estrogen and lipid profile in obese and non-obese women                                                    | Prof. Dr. Tariq Feroze Khawaja | Approved      |
| M.Phil Biochemistry | Ms. Ayesha Muqaddas         | PGMI Lahore | Estimation of Zinc Copper and Magnesium in first degree relatives of type 2 diabetics                                                | Prof. Dr. Tariq Feroze Khawaja | Pending       |
| M.Phil Biochemistry | Ms. Rukhsana Shaheen Omer   | PGMI Lahore | Significance of glycated albumin and glycated HbA1c among diabetics with end stage renal disease and with normal renal function      | Prof. Dr. Tariq Feroze Khawaja | Approved      |
| M.Phil Biochemistry | Ms. Shama Akram             | UHS Lahore  | Correlation of serum leptin and P-selectin in coronary artery disease                                                                | Prof. Dr. Zamir Ahmad          | Approved      |
| M.Phil Biochemistry | Syed Imran Ali Shah         | UHS Lahore  | Correlation of Plasma Selenium and Osteopontin concentrations in patients with carcinoma of the prostate                             | Prof. Dr. Salma Iqbal Naik     | Approved      |
| M.Phil Biochemistry | Dr. Umber Naeem Rathore     | UHS Lahore  | Serum osteopontin levels in obese individuals with or without coronary artery disease                                                | Prof. Dr. Anila Asghar         | Approved      |
| M.Phil Biochemistry | Dr. Khooban Waheed          | UHS Lahore  | Comparison of serum vitamin D level in pregnant women with and without gestational diabetes mellitus                                 | Prof. Dr. Anila Asghar         | Approved      |
| M.Phil Biochemistry | Dr. Muhammad Ali Talat      | UHS Lahore  | Determination of adiponectin receptor protein, leptin levels and lipid level profile in obese and healthy subjects                   | Dr. Nasir Mahmood              | Approved      |
| M.Phil Biochemistry | Dr. Bushra Iftikhar         | UHS Lahore  | Serum calprotectin, vitamin D and calcium levels in preeclampsic and normotensive pregnant females                                   | Prof. Dr. Khalid Parvez Lone   | Approved      |
| M.Phil Biochemistry | Dr. Naveed Lodhi            | PGMI Lahore | Comparison of serum endothelin and adiponectin in polycystic ovarian syndrome women and healthy women                                | Prof. Anila Asghar             | Approved      |
| M.Phil Biochemistry | Dr. Mahwish Shahzad         | UHS Lahore  | Serum levels of vitamin A and E in breast cancer patients and healthy women                                                          | Prof. Dr. Khalid Parvez Lone   | Approved      |
| M.Phil Biochemistry | Dr. Arshia Mobeen Rana      | UHS Lahore  | Serum superoxide dismutase, glutathione reductase, iron, copper and zinc in preeclampsia and normal primigravida females             | Prof. Dr. Khalid Parvez Lone   | Approved      |
| M.Phil Biochemistry | Dr. Munazza Saduf           | PGMI Lahore | Pancreatic lipase and amylase in children with diabetic ketoacidosis                                                                 | Prof. Dr. Anila Asghar         | Approved      |
| M.Phil Biochemistry | Dr. Sehrish Asif            | PGMI Lahore | Cellular and auto immunity in women with and without vitamin D deficiency reporting with recurrent pregnancy losses                  | Prof. Anila Asghar             | Approved      |
| M.Phil Biochemistry | Dr. Nazia Shahzadi          | PGMI Lahore | Association of serum fetuin-A level with insulin resistance (IR) and beta cell (%B) in first degree relatives of type 2 diabetics    | Prof. Tariq Feroze Khawaja     | Approved      |
| M.Phil Biochemistry | Dr. Nazish Butt             | UHS Lahore  | Relationship of advanced glycation end products, Apolipoprotein-B and Zinc with severity of diabetic retinopathy in type II diabetes | Dr. Farhat Bano                | Approved      |



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| M.Phil Biochemistry       | Dr. Neelam Ijaz            | PGMI Lahore     | Serum glutathione peroxidase and catalase in newborns born via normal spontaneous vaginal delivery and elective cesarean section under spinal anaesthesia                 | Prof. Anila Asghar           | Approved      |
| M.Phil Biochemistry       | Dr. Nida Shafi             | UHS Lahore      | Serum asprosin, insulin and C-peptide in newborns cord blood and maternal blood of preeclampsic pregnant women                                                            | Dr. Farhat Bano              | Approved      |
| M.Phil Biochemistry       | Dr. Amna Safdar            | PGMI Lahore     | Serum asprosin, serum lipoprotein (a) and red cell distribution width & their correlation with chronic diabetic complications in type 2 diabetic patients                 | Prof. Anila Asghar           | Approved      |
| M.Phil Biochemistry       | Dr. Rafia Javed            | PGMI Lahore     | Status of serum iron, ferritin and oxidative stress markers in B-thalassemia major patients receiving multiple blood transfusions and thalassemia intermedia patients     | Prof. Anila Asghar           | Approved      |
| M.Phil Biochemistry       | Dr. Hira Saeed             | PGMI Lahore     | Ischemia modified albumin and serum mesothelin in non-obese women with polycystic ovarian syndrome and healthy women                                                      | Prof. Anila Asghar           | Approved      |
| M.Phil Biochemistry       | Dr. Yusra Leghari          | UHS Lahore      | Comparative evaluation of selenium, Zinc, Catalase and glutathione peroxidase in serum of periodontitis patients                                                          | Dr. Farhat Bano              | Approved      |
| M.Phil Biochemistry       | Dr. Humera Khan            | UHS Lahore      | Evaluation of serum apelin and elabela levels in healthy pregnant and pre-eclampsia patients                                                                              | Dr. Farhat Bano              | Approved      |
| M.Phil Biochemistry       | Dr. Humaira Hashmat        | UHS Lahore      | Association of serum calprotectin, interleukin-6 and tumor necrosis factor- $\alpha$ in rheumatoid arthritis patients                                                     | Dr. Farhat Bano              | Approved      |
| M.Phil Biochemistry       | Dr. Sammiya Uraneb         | UHS Lahore      | Comparison of serum galectin-13, aldosterone and electrolytes (Na <sup>+</sup> , K <sup>+</sup> , Cl <sup>-</sup> ) in preeclampsic and healthy pregnant women            | Dr. Farhat Bano              | Approved      |
| M.Phil Biochemistry       | Ms. Komal                  | UHS Lahore      | Mutation analysis of RAD50 and evaluation of its relationship with selected hormone receptors in breast cancer patients visiting tertiary care hospital in Lahore         | Dr. Aisha                    | Approved      |
| M.Phil Biochemistry       | Dr. Madiha Iram Javed      | PGMI Lahore     | Serum procalcitonin (PCT) and serum copeptin levels in children having community acquired pneumonia                                                                       | Prof. Anila Asghar           | Approved      |
| M.Phil Biochemistry       | Dr. Unaiza Hameed          | PGMI Lahore     | Study of relationship between glycemic status and inflammatory markers in type 2 diabetes with and without nephropathy                                                    | Prof. Anila Asghar           | Approved      |
| M.Phil Biochemistry       | Dr. Aneeqa Shahid          | PGMI Lahore     | Serum biochemical markers (MMP-7 and KL-6) for differentiating idiopathic pulmonary fibrosis (IPF) from non-IPF interstitial lung diseases"                               | Prof. Anila Asghar           | Approved      |
| M.Phil Biochemistry       | Dr. Jamal Asad             | UHS Lahore      | Analysis of salivary MMP-8 (Matrix metalloproteinase 8), TIMP-1 (Tissue inhibitor of matrix metalloproteinase) & Zn <sup>2+</sup> (zinc) levels in periodontitis patients | Dr. Farhat Bano              | Approved      |
| M.Phil Biochemistry       | Dr. Sadia Ishaq            | UHS Lahore      | Serum visfatin in obese and non-obese PCOS patients and its correlation with tumor necrosis factor alpha (TNF- $\alpha$ )                                                 | Dr. Farhat Bano              | Approved      |
| M.Phil Biochemistry       | Dr. Ayman Shahzad          | UHS Lahore      | Association of serum copeptin, albumin & Sodium (Na) levels in the community acquired pneumonia patients                                                                  | Dr. Farhat Bano              | Approved      |
| M.Phil Biochemistry       | Dr. Ayesha Tariq           | UHS Lahore      | Association of cortisol, interleukin-6 and serotonin with melancholic and atypical depression                                                                             | Dr. Farhat Bano              | Approved      |
| M.Phil Chemical Pathology | Dr. Amanullah Bhutto       | PGMI Lahore     | Combined hypolipidaemic effect of alpha tocopherol and nigella sativa seed on serum lipid profile of albino rats fed on atherogenic diet                                  | Prof. Dr. Muhammad Tayyib    | Approved      |
| M.Phil Chemical Pathology | Dr. Amna Wazir             | AFIP Rawalpindi | Effect of vitamin D deficiency on premature coronary artery disease                                                                                                       | Brig. Dilshad Ahmed Khan     | Pending       |
| M.Phil Chemical Pathology | Dr. Amtul Hussain Mohammad | PGMI Lahore     | Evaluation of AST to ALT ratio, international normalized ratio and AST to Platelet ratio index in predicting severity of chronic hepatitis C genotype 3 disease           | Prof. Dr. Muhammad Tayyib    | Approved      |
| M.Phil Chemical Pathology | Dr. Atta-ur-Rehman         | PGMI Lahore     | Serum lipoprotein (a) and symptomatic peripheral arterial disease in diabetic patients                                                                                    | Prof. Riaz Javaid Raja       | Approved      |
| M.Phil Chemical Pathology | Dr. Farhat Rafi            | UHS Lahore      | Serum gamma glutamyl transferase and short term mortality in ischemic stroke                                                                                              | Dr. Khalil ur Rehman Bhatti  | Pending       |
| M.Phil Chemical Pathology | Dr. Fauzia Sadiq           | UHS Lahore      | Ghrelin levels in obese children of type 2 Diabetic parents and its correlation with risk parameters of metabolic syndrome                                                | Dr. Asim Mumtaz              | Approved      |
| M.Phil Chemical Pathology | Dr. Haseeb Mushtaq         | UHS Lahore      | Levels of serum tumor necrosis factor alpha in chronic hepatitis C virus infection                                                                                        | Prof. Dr. Ghulam Ali Qureshi | Approved      |
| M.Phil Chemical Pathology | Dr. Lubna Ehtizaz          | AFIP Rawalpindi | Frequency of macroprolactinemia in hyperprolactinemic patients at AFIP, Rawalpindi                                                                                        | Brig. Dilshad Ahmed Khan     | Pending       |
| M.Phil Chemical Pathology | Dr. Lubna Shaheen          | PGMI Lahore     | Estimation & determination of normal values of beta human chorionic gonadotrophin & pregnancy associated protein-A at 9 to 10 weeks of gestation in healthy females       | Prof. Asim Mumtaz            | Approved      |



| Degree                    | Student Name                | Institute       | Research Title                                                                                                                                                                  | Supervisor                  | Report Status |
|---------------------------|-----------------------------|-----------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------|---------------|
| M.Phil Chemical Pathology | Dr. Misbah Ul Majeed        | PGMI Lahore     | Detection of islet cell cytoplasmic antibodies, in first degree relatives of type 1 diabetes patients                                                                           | Prof. Dr. Muhammad Tayyib   | Approved      |
| M.Phil Chemical Pathology | Dr. Moazem Ali              | PGMI Lahore     | Diagnosing acute pancreatitis with and without biliary obstruction with the help of enzymatic markers                                                                           | Dr. Allah Ditta             | Approved      |
| M.Phil Chemical Pathology | Dr. Mohammad Arshad Gardezi | PGMI Lahore     | Assessment of thyroid dysfunction in chronic hepatitis C patients treated with interferon alpha and ribavirin therapy                                                           | Prof. Dr. Muhammad Tayyib   | Approved      |
| M.Phil Chemical Pathology | Dr. Mohammad Asif           | PGMI Lahore     | Correlation between free thyroxine, thyrotrophin and estimated glomerular filtration rate in patients with chronic kidney disease                                               | Prof. Riaz Javaid Raja      | Approved      |
| M.Phil Chemical Pathology | Dr. Muhammad Amjad Pervez   | UHS Lahore      | Effects of 8-Tocotrienol therapy in nonalcoholic fatty liver disease.                                                                                                           | Brig. Aamir Ijaz            | Approved      |
| M.Phil Chemical Pathology | Dr. Muhammad Jamil          | PGMI Lahore     | Relationship between serum C-reactive protein level and insulin resistance score in asymptomatic obese children and adolescents                                                 | Prof. Riaz Javaid Raja      | Approved      |
| M.Phil Chemical Pathology | Dr. Muhammad Riaz           | PGMI Lahore     | Diagnostic evaluation of myeloperoxidase and cardiac troponin-I in patients with acute coronary syndrome                                                                        | Dr. Allah Ditta             | Approved      |
| M.Phil Chemical Pathology | Dr. Muhammad Sohail Nazir   | UHS Lahore      | Comparison of C - Reactive protein and lactate levels in patients with positive and Negative acute appendicitis                                                                 | Dr. Khalil ur Rehman Bhatti | Approved      |
| M.Phil Chemical Pathology | Dr. Munazza Yasmeen         | UHS Lahore      | Comparison of urinary kidney injury molecule-1/creatinine ratio in patients with renal stone size 5mm – 20mm                                                                    | Dr. Sumbla Ghaznavi         | Approved      |
| M.Phil Chemical Pathology | Dr. Nabila Rauf             | PGMI Lahore     | Comparison of estimated glomerular filtration rate by serum cystatin c and serum creatinine in burn patients                                                                    | Dr. Afsar Saeed Sheikh      | Approved      |
| M.Phil Chemical Pathology | Dr. Nowshad Asim            | AFIP Rawalpindi | Prevalence of drug abuse among truck drivers of Northern Pakistan                                                                                                               | Brig. Dilshad Ahmed Khan    | Approved      |
| M.Phil Chemical Pathology | Dr. Rehma Dar               | PGMI Lahore     | Soluble adhesion molecules in patients of Type 2 diabetes mellitus with and without microvascular complications                                                                 | Dr. Salman Haq              | Approved      |
| M.Phil Chemical Pathology | Dr. Rubina Shafi            | UHS Lahore      | Comparison of morning fasting levels of serum analytes (Glucose, Triglyceride, Cholesterol, And Cortisol,) with evening fasting levels                                          | Brig. Aamir Ijaz            | Pending       |
| M.Phil Chemical Pathology | Dr. Rukhsana Gulzar         | PGMI Lahore     | Levels of serum thyroxine triiodothyronine and thyrotropin in patients with acute myocardial infraction                                                                         | Prof. Riaz Javaid Raja      | Approved      |
| M.Phil Chemical Pathology | Dr. Sadia Kirn              | UHS Lahore      | Mean Serum IGF-I and IGFBP3 levels in short stature children with Zinc deficiency reporting to Endocrinology Clinic of Armed Forces Institute of Pathology, Rawalpindi          | Brig. Aamir Ijaz            | Approved      |
| M.Phil Chemical Pathology | Dr. Saira Farhat            | UHS Lahore      | Association between metabolic syndrome and hyperandrogenism in polycystic ovarian syndrome patients                                                                             | Dr. Khalil ur Rehman Bhatti | Pending       |
| M.Phil Chemical Pathology | Dr. Sarah Mujib Wahdy       | AFIP Rawalpindi | Chemical composition and metabolic evaluation of renal calculi in Rawalpindi                                                                                                    | Brig. Dilshad Ahmed Khan    | Pending       |
| M.Phil Chemical Pathology | Dr. Sheema Khan             | PGMI Lahore     | Associations of serum adiponectin, insulin and lipoproteins in patients with type 2 diabetes mellitus and non-diabetic subjects                                                 | Prof. Riaz Javaid Raja      | Approved      |
| M.Phil Chemical Pathology | Dr. Sonia Aziz              | AFIP Rawalpindi | Serum levels of human epididymis protein 4 and cancer antigen 125 in different histological types of ovarian cancer                                                             | Maj. Gen. Farooq Ahmad Khan | Approved      |
| M.Phil Chemical Pathology | Dr. Warda Hussain           | UHS Lahore      | Reference ranges of Trace Elements (Fe, Zn & Cu) in adult population (20 – 29 years) of Lahore                                                                                  | Dr. Asim Mumtaz             | Approved      |
| M.Phil Chemical Pathology | Ms. Fakhar un Nisa          | UHS Lahore      | Frequency of thyroid disease in patients with diabetes mellitus                                                                                                                 | Dr. Sumbla Ghaznavi         | Pending       |
| M.Phil Chemical Pathology | Dr. Adeel Iqbal             | UHS Lahore      | Diagnostic accuracy of fecal calprotectin as a biomarker of inflammatory bowel disease                                                                                          | Dr. Khalil ur Rehman Bhatti | Pending       |
| M.Phil Chemical Pathology | Dr. Anum Rauf               | PGMI Lahore     | Diagnostic value of alpha-fetoprotein and lens culinaris agglutinin-reactive alpha-fetoprotein in liver cirrhosis patients with and without hepatocellular carcinoma            | Dr. Naheeda Kauser          | Approved      |
| M.Phil Chemical Pathology | Dr. Muhammad Anjum Iqbal    | PGMI Lahore     | Determination of human kallikrein-2 levels in Pakistani patients with benign prostatic hyperplasia (BPH) and carcinoma prostate                                                 | Prof. Tariq Rehmani         | Approved      |
| M.Phil Chemical Pathology | Dr. Zahra Riaz              | UHS Lahore      | Determination of comparison of urinary albumin creatinine ratio, neutrophil gelatinase associated lipocalin and cyclophilin A among groups based on duration of type 2 diabetes | Dr. Sumbla Ghaznavi         | Approved      |

| Degree                    | Student Name           | Institute    | Research Title                                                                                                                                                                             | Supervisor                   | Report Status |
|---------------------------|------------------------|--------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------|---------------|
| M.Phil Chemical Pathology | Dr. Asma Jamil         | SZPMI Lahore | Assessment of Kidney Injury Molecule 1 (KIM-1) as an early indicator of acute kidney injury in patients after cardiopulmonary bypass                                                       | Prof. Tahira Naseem          | Approved      |
| M.Phil Chemical Pathology | Dr. Mehnaz Iqbal       | SZPMI Lahore | Correlation of serum sclerostin & renal function in patients with chronic kidney disease                                                                                                   | Prof. Tahira Naseem          | Approved      |
| M.Phil Chemical Pathology | Dr. Farhana Ashraf     | PGMI Lahore  | Validation of human epididymis secretory protein-4 (HE4) for diagnosis of epithelial ovarian cancer taking histopathology as gold standard                                                 | Prof. Muhammad Dilawar Khan  | Approved      |
| M.Phil Chemical Pathology | Dr. Amna Ghaffar       | SZPMI Lahore | Comparison of serum chromogranin A with albumin-creatinine ratio (ACR) among different groups of type 2 diabetes mellitus patients                                                         | Prof. Tahira Naseem          | Approved      |
| M.Phil Chemical Pathology | Dr. Amir Asad Shah     | PGMI Lahore  | Comparison of symmetric dimethylarginine (SDMA), creatinine and cystatin c level as biomarkers of chronic kidney disease in diabetic patients with and without microalbuminuria            | Prof. Muhammad Dilawar Khan  | Approved      |
| M.Phil Chemical Pathology | Dr. Zema Tariq         | SZPMI Lahore | Evaluation of the diagnostic accuracy of serum chitinase-3 like protein 1 in detecting liver fibrosis by taking shear-wave elastography as a gold standard                                 | Prof. Tahira Naseem          | Approved      |
| M.Phil Chemical Pathology | Dr. Eesha Sultan       | SIMS Lahore  | Diagnostic accuracy of urinary liver type fatty acid binding protein for diabetic nephropathy in patients with type-2 diabetes mellitus taking albumin creatinine ratio as a gold standard | Dr. Rubina Akbar             | Approved      |
| M.Phil Chemical Pathology | Dr. Ezza Gul           | SZPMI Lahore | Correlation of serum betatrophin levels with the presence and severity of atherosclerotic coronary artery disease                                                                          | Prof. Tahira Naseem,         | Approved      |
| M.Phil Community Medicine | Dr. Aamir Nazir        | UHS Lahore   | Biochemical staging of chronic liver disease in patients of chronic viral Hepatitis B, C and co-infection                                                                                  | Dr. Zarfishan Tahir          | Approved      |
| M.Phil Community Medicine | Dr. Abdul Latif        | UHS Lahore   | Seroprevalence of rubella antibodies in school girls of gujranwala District                                                                                                                | Dr. Rubina Sarmed            | Approved      |
| M.Phil Community Medicine | Dr. Abdul Rehman Lakho | IPH Lahore   | Prevalence of occupational lung disease (chronic obstructive pulmonary disease) among brick kiln workers in district Nawabshah                                                             | Dr. Ilyas Ahmed Faridi       | Approved      |
| M.Phil Community Medicine | Dr. Ahtisham-ul-Haq    | IPH Lahore   | An assessment of asymptomatic bacteriuria among pregnant women in the first trimester of pregnancy in Lahore                                                                               | Prof. Dr. Maaz Ahmad         | Approved      |
| M.Phil Community Medicine | Dr. Allah Yar Malik    | NMC Multan   | Knowledge and practices of mothers regarding acute respiratory tract infections in children under 5 years of age in urban slums of Multan                                                  | Prof. Dr. Ghulam Qadir Malik | Approved      |
| M.Phil Community Medicine | Dr. Anjum Razzaq       | IPH Lahore   | Serum IgG levels of dengue fever among children 5 to 13 years of age attending a tertiary care hospital in Lahore & exploration of various factors in this context                         | Prof. Rubina Sarmad          | Approved      |
| M.Phil Community Medicine | Dr. Arif Ahmad Zaidi   | IPH Lahore   | Malarial transmission in infant population of Bahawalpur city                                                                                                                              | Prof. Dr. Farkhandah Kokab   | Approved      |
| M.Phil Community Medicine | Dr. Ashfaq Ahmed       | IPH Lahore   | Study of risk factors associated with breast cancer among women presenting at Ayub Teaching Hospital, Abbottabad                                                                           | Prof. Dr. Farkhandah Kokab   | Approved      |
| M.Phil Community Medicine | Dr. Asif Mehmood       | IPH Lahore   | Assessment of nutritional status of primary school children of Quetta City                                                                                                                 | Prof. Rizwana Muzaffar       | Pending       |
| M.Phil Community Medicine | Dr. Fatima Mukhtar     | IPH Lahore   | Sero-prevalence of brucellosis in slaughterhouse workers of Lahore District                                                                                                                | Prof. Dr. Farkhandah Kokab   | Approved      |
| M.Phil Community Medicine | Dr. Filza Haqiq        | UHS Lahore   | Frequency of impaired Glucose tolerance and its predictors in females of reproductive age group in urban slum areas of Lahore                                                              | Dr. Seema Imdaad             | Approved      |

| Degree                    | Student Name                     | Institute   | Research Title                                                                                                                                  | Supervisor                      | Report Status |
|---------------------------|----------------------------------|-------------|-------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------|---------------|
| M.Phil Community Medicine | Dr. Hafiz Umer Farooq            | IPH Lahore  | Antibody titer in response to measles vaccination among 18-24 months old children in Tehsil Rahim Yar Khan                                      | Dr. Rabia Arshed Usmani         | Approved      |
| M.Phil Community Medicine | Dr. Hina Ahmed                   | IPH Lahore  | Modifiable cardiovascular risk factors in patients with rheumatoid arthritis and their association with disease activity                        | Prof. Dr. Farkhandah Kokab      | Approved      |
| M.Phil Community Medicine | Dr. Humaira Iqbal                | IPH Lahore  | Effect of lifestyle changes on control of borderline hypertension                                                                               | Prof. Dr. Farkhandah Kokab      | Approved      |
| M.Phil Community Medicine | Dr. Humayun Suqrat Hassan Imam   | IPH Lahore  | Critical appraisal of Pakistan's legislations of occupational safety and health in the light of International Labour Organization guidelines    | Dr. Ilyas Ahmed Faridi          | Approved      |
| M.Phil Community Medicine | Dr. Ifleen Asghar                | IPH Lahore  | Assessment of factors responsible for third delay and pregnancy outcome in a teaching hospital of Lahore                                        | Prof. Dr. Robina Sarmad         | Approved      |
| M.Phil Community Medicine | Dr. Kiran Mahmood                | UHS Lahore  | Comparison of obstetric and perinatal outcomes between teenage and non-teenage mothers of three tertiary care hospitals of Rawalpindi, Pakistan | Prof. Dr. Robina Sarmad         | Approved      |
| M.Phil Community Medicine | Dr. Malik Shahid Shoukat         | IPH Lahore  | Evaluation of maternal health services provided by City District Government, Lahore                                                             | Dr. Rabia Arshed Usmani         | Approved      |
| M.Phil Community Medicine | Dr. Muhammad Akram Saeed         | IPH Lahore  | Assessment of malaria microscopy services in district Bahawalpur                                                                                | Prof. Dr. Farkhandah Kokab      | Approved      |
| M.Phil Community Medicine | Dr. Muhammad Anwar               | PGMI Lahore | Appraisal of role lady Health workers in TB DOTS Program in district Toba Tek Singh                                                             | Prof. Dr. Ayub Ali              | Approved      |
| M.Phil Community Medicine | Dr. Muhammad Hussain Cheema      | IPH Lahore  | Measles virus antibody levels in umbilical cord blood of new borns delivered in Tertiary Care Hospital Lahore                                   | Dr. Rabia Arshed Usmani         | Approved      |
| M.Phil Community Medicine | Dr. Muhammad Khalid              | UHS Lahore  | Changes in key performance indicators of lady health workers in Punjab after devolution by 18th amendments in the constitution of Pakistan      | Prof. Maaz Ahmad                | Approved      |
| M.Phil Community Medicine | Dr. Muhammad Khalid Siddiqui     | IPH Lahore  | Role of high dietary sodium intake in development of cataract in middle aged people                                                             | Prof. Rizwana Muzaffar          | Pending       |
| M.Phil Community Medicine | Dr. Muhammad Mohsin              | NMC Multan  | A survey regarding effects of passive smoking on children's health residing in multan City                                                      | Prof. Dr. Ghulam Qadir Malik    | Approved      |
| M.Phil Community Medicine | Dr. Muhammad Naeem               | IPH Lahore  | Appraisal of general practitioners in the management of acute watery diarrhea for children under 5 years of age                                 | Dr. Shahid Iqbal                | Approved      |
| M.Phil Community Medicine | Dr. Muhammad Salim               | IPH Lahore  | Rubella serology in adolescent school girls of Abbottabad city                                                                                  | Dr. Shahid Iqbal                | Approved      |
| M.Phil Community Medicine | Dr. Muhammad Siddique Khan Qadri | PGMI Lahore | Identification of common health problems among children involved in child Labour in Multan city                                                 | Prof. Dr. Ghulam Qadir Malik    | Approved      |
| M.Phil Community Medicine | Dr. Muhammad Usman Sheikh        | IPH Lahore  | Detection of hepatitis C virus Rna along with its genotype in the saliva and semen of patients with hepatitis C virus infection                 | Prof. Dr. Muhammad Shahid Iqbal | Approved      |

| Degree                    | Student Name           | Institute   | Research Title                                                                                                                                           | Supervisor                      | Report Status |
|---------------------------|------------------------|-------------|----------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------|---------------|
| M.Phil Community Medicine | Dr. Mustafa Naseer     | UHS Lahore  | Eurocore - II as a predictor of mortality in myocardial revascularization surgery at the punjab institute of cardiology Lahore                           | Prof. Dr. Farkhandah Kokab      | Pending       |
| M.Phil Community Medicine | Dr. Nabeela Fazal      | IPH Lahore  | Maternal depression during pregnancy _ a risk factor for low birth weight in new born                                                                    | Prof. Rizwana Muzaffar          | Approved      |
| M.Phil Community Medicine | Dr. Nadeem Aslam       | IPH Lahore  | Assessment of the quality of sputum smear Microscopy at public sector Health facilities of Dist. Gujranwala                                              | Prof. Dr. Farkhandah Kokab      | Approved      |
| M.Phil Community Medicine | Dr. Najam-ud-Din       | IPH Lahore  | Perceptions and social consequences of tuberculous patients in teaching hospitals, Lahore, in comparison with the community                              | Prof. Dr. Farkhandah Kokab      | Approved      |
| M.Phil Community Medicine | Dr. Naureen Omar       | IPH Lahore  | Factors associated with intellectual disability among special children                                                                                   | Prof. Dr. Farkhandah Kokab      | Approved      |
| M.Phil Community Medicine | Dr. Nayyer Riffat      | UHS Lahore  | To Study the association of bacterial vaginosis with preterm labor                                                                                       | Prof. Dr. Muhammad Shahid Iqbal | Pending       |
| M.Phil Community Medicine | Dr. Neelam Raheel      | IPH Lahore  | Epidemiological study of low bone mineral density states in patients visiting Centre for Nuclear Medicine (CENUM), Mayo Hospital, Lahore                 | Prof. Dr. Farkhandah Kokab      | Approved      |
| M.Phil Community Medicine | Dr. Nosheen Aziz       | PGMI Lahore | An Epidemiological study of diarrhoea in children under 3 years of age in takki pur village, District Lahore                                             | Prof. Dr. Shakila Zaman         | Approved      |
| M.Phil Community Medicine | Dr. Nusrat Jabeen      | IPH Lahore  | Effect of prenatal counselling on initiation of breastfeeding by mothers within one hour after delivery, in two union councils of Lahore city            | Dr. Abdul Rashid Ch             | Approved      |
| M.Phil Community Medicine | Dr. Qambar Abbas Shah  | NMC Multan  | A Study of environmental pollution caused by Pak-Arab fertilizers factory, Analysis of the pollutants to wipe them out from multan city its surroundings | Prof. Dr. Ghulam Qadir Malik    | Approved      |
| M.Phil Community Medicine | Dr. Raana Anjum        | IPH Lahore  | Assessment of Hepatitis B vaccination services under National Immunization Programme                                                                     | Dr. Rabia Arshed Usmani         | Approved      |
| M.Phil Community Medicine | Dr. Sadia Zahur        | UHS Lahore  | Comparative study of emotional and behavioural problems among primary school children 5-11 year of age in public and private schools of Lahore           | Prof. Dr. Farkhandah Kokab      | Pending       |
| M.Phil Community Medicine | Dr. Saghir Asghar Khan | IPH Lahore  | Malnutrition and its prevalence in under five children of district Bhakkar                                                                               | Prof. Dr. Farkhandah Kokab      | Approved      |
| M.Phil Community Medicine | Dr. Saima Ayub         | IPH Lahore  | Critical Appraisal Of T.B. Dots Diagnostic Centres In Lahore District                                                                                    | Dr. Zarfishan Tahir             | Approved      |
| M.Phil Community Medicine | Dr. Saleha Tariq       | IPH Lahore  | Factors associated with treatment failure among patients enrolled in TB DOTS program - a case control study                                              | Dr. Rabia Arshed Usmani         | Approved      |
| M.Phil Community Medicine | Dr. Shahid Mahmood     | IPH Lahore  | Lifestyle factors related with the risk of carcinoma of prostate in men attending cancer registries of Lahore                                            | Prof. Dr. Farkhandah Kokab      | Approved      |
| M.Phil Community Medicine | Dr. Shahnaz Rauf       | IPH Lahore  | Prevalence of contact dermatitis among workers of shoemaking industry of city district, Lahore                                                           | Dr. Ilyas Ahmed Faridi          | Approved      |

| Degree                                | Student Name                | Institute   | Research Title                                                                                                                          | Supervisor                   | Report Status |
|---------------------------------------|-----------------------------|-------------|-----------------------------------------------------------------------------------------------------------------------------------------|------------------------------|---------------|
| M.Phil Community Medicine             | Dr. Sumera Badar            | UHS Lahore  | To study the physical activity and its associated factors among adolescents (13-17 yrs) in public sector high school, Faisalabad        | Dr. Abdul Samad Khan         | Pending       |
| M.Phil Community Medicine             | Dr. Surya Fazal Hashmi      | IPH Lahore  | Different methods of health communication for increasing knowledge about risk factor for coronary heart disease                         | Dr. Abdul Rashid Ch          | Approved      |
| M.Phil Community Medicine             | Dr. Zoofishan Qureshi       | UHS Lahore  | Association of dietary pattern and hyperhomocysternemia in preeclampsia                                                                 | Prof. Dr. Seema Imdad        | Approved      |
| M.Phil Forensic Medicine              | Dr. Ahmad Raza Khan         | UHS Lahore  | Determination of age of puberty using leptin level in male population                                                                   | Dr. Allah Rakha              | Approved      |
| M.Phil Forensic Medicine              | Dr. Ghulam Yasin            | UHS Lahore  | Diagnosis of fabricated injuries on the basis of detection of lidocaine and benzodiazepines                                             | Dr. Allah Rakha              | Approved      |
| M.Phil Forensic Medicine              | Dr. Muhammad Asif           | PGMI Lahore | Estimation of height by measuring foot length of Punjabi men                                                                            | Prof. Dr. Abdur Rasheed Mian | Approved      |
| M.Phil Forensic Medicine              | Dr. Muhammad Maqsood        | PGMI Lahore | Epiphyseal fusion of iliac crest in male & female subjects – an age estimation criterion                                                | Prof. Dr. Abdur Rasheed Mian | Approved      |
| M.Phil Forensic Medicine              | Dr. Sundus Mona             | UHS Lahore  | Molecular diversity of forensically relevant insects from the cadavers of Lahore                                                        | Dr. Allah Rakha              | Pending       |
| M.Phil Forensic Medicine              | Dr. Uzma Zaheen Anwar       | UHS Lahore  | Genetic analysis of SCN5A gene in patients of long QT syndrome                                                                          | Dr. Allah Rakha              | Approved      |
| M.Phil Forensic Medicine              | Dr. Muhammad Faheem Ashraf  | UHS Lahore  | Allelic frequency of MAO A gene among convicted offenders and diagnosed cluster B trait psychiatric patients                            | Dr. Allah Rakha              | Approved      |
| M.Phil Forensic Medicine              | Dr. Abdul Samad Khan Tareen | UHS Lahore  | Inverstigation of rs1385699 and 6152 as predictive markers for androgenetic alopecia                                                    | Dr. Allah Rakha              | Approved      |
| M.Phil Forensic Medicine              | Dr. Anam Iqbal              | UHS Lahore  | Association of AVPRIA polymorphism and dermatoglyphics with criminal intent                                                             | Dr. Nasreen Akhtar           | Approved      |
| M.Phil Forensic Medicine              | Dr. Zubia Iqbal             | UHS Lahore  | Comparative estimation of plasma cholinesterase level in spray worker exposed to organophosphorus compounds with controls               | Prof. Abdul Rasheed Mian     | Approved      |
| M.Phil Forensic Medicine              | Dr. Fozia Bibi              | PGMI Lahore | Estimation of stature by measuring head length of Punjabi adults                                                                        | Prof. Abdur Rasheed Mian     | Approved      |
| M.Phil Forensic Medicine              | Dr. Muhammad Ahmad Faraz    | PGMI Lahore | Accuracy of age estimation methods based on radiographic evaluation of dental and skeletal development in 12-20 years females of Lahore | Dr. Pervaiz Zarif            | Approved      |
| M.Phil Forensic Medicine              | Dr. Kanza Ilyas Rehan       | PGMI Lahore | Sex Determination using mandibular canine index in local population                                                                     | Prof. Pervaiz Zarif          | Approved      |
| M.Phil Forensic Medicine & Toxicology | Dr. Aftab Alam Tanoli       | UHS Lahore  | Determining of hereditary resemblances of lip prints among members of biological families                                               | Dr. Allah Rakha              | Pending       |
| M.Phil Forensic Medicine & Toxicology | Dr. Khalid Mahmood          | PGMI Lahore | Estimation of stature from index finger and ring finger length of male adults of central Punjab                                         | Prof. Abdur Rasheed Mian     | Approved      |
| M.Phil Forensic Medicine & Toxicology | Dr. Muhammad Mqsood         | PGMI Lahore | Age estimation from epiphyseal fusion in iliac crest in Lahore by X-ray examination                                                     | Prof. Dr. Abdur Rasheed Mian | Pending       |
| M.Phil Forensic Medicine & Toxicology | Dr. Muhammad Saleem         | PGMI Lahore | A study of different patterns of fingerprints of medico-legal cases of Lahore                                                           | Prof. Dr. Abdur Rasheed Mian | Pending       |
| M.Phil Forensic Medicine & Toxicology | Dr. Mushtaq Ahmad           | UHS Lahore  | Assessment of height using percutaneous tibial length in adolescent                                                                     | Prof. Dr. Abdur Rasheed Mian | Pending       |

| Degree                                | Student Name              | Institute   | Research Title                                                                                                                      | Supervisor                   | Report Status |
|---------------------------------------|---------------------------|-------------|-------------------------------------------------------------------------------------------------------------------------------------|------------------------------|---------------|
| M.Phil Forensic Medicine & Toxicology | Dr. Nasir Abbas           | UHS Lahore  | Analysis of HMGB1, FASL, PTEN mRNA levels for determination of early postmortem interval”                                           | Dr. Allah Rakha              | Approved      |
| M.Phil Forensic Medicine & Toxicology | Dr. Nusrat Saba           | UHS Lahore  | Analysis of RNA expression for injury age estimation                                                                                | Dr. Allah Rakha              | Pending       |
| M.Phil Forensic Medicine & Toxicology | Dr. Pervaiz Zarif         | UHS Lahore  | Prediction of stature by hand length measurement with the help of regression analysis                                               | Prof. Dr. Abdur Rasheed Mian | Approved      |
| M.Phil Forensic Medicine & Toxicology | Dr. Rabika Nargis         | UHS Lahore  | Expression of miRNA (206 and 133) in determination of postmortem interval in rats                                                   | Dr. Allah Rakha              | Approved      |
| M.Phil Forensic Medicine & Toxicology | Dr. Syed Ziauddin         | UHS Lahore  | Radiological examination of elbow joint between 13-21 years of reported age an age estimation criteri;on                            | Prof. Dr. Abdur Rasheed Mian | Pending       |
| M.Phil Forensic Medicine & Toxicology | Dr. Usman Shahid Butt     | UHS Lahore  | ATP Levels and its degradation process as a post mortem interval indicator                                                          | Dr. Allah Rakha              | Pending       |
| M.Phil Forensic Medicine & Toxicology | Dr. Shaiqa Ramzan         | PGMI Lahore | Correlation of liver ATPase enzymatic variations with the post-mortem interval in rats                                              | Prof. Abdur Rasheed Mian     | Approved      |
| M.Phil Forensic Medicine & Toxicology | Dr. Muhammad Faisal Naeem | PGMI Lahore | Fingerprint ridge density and its reliability in determination of sex in population of south Punjab                                 | Prof. Pervaiz Zarif          | Approved      |
| M.Phil Forensic Medicine & Toxicology | Dr. Muzaffar Munir        | PGMI Lahore | Estimation of stature from the length of femur in adult population                                                                  | Prof. Abdur Rasheed Mian     | Approved      |
| M.Phil Forensic Medicine & Toxicology | Dr. Rida Khalid           | PGMI Lahore | Estimation of adult human stature from measurement of interacromial length in Lahore                                                | Dr. Pervaiz Zafar            | Approved      |
| M.Phil Forensic Sciences              | Dr. Asif Shakoor          | UHS Lahore  | Comparison of quality and quantity of DNA extracted from teeth by the endodontic technique verses sectioning technique              | Dr. Allah Rakha              | Approved      |
| M.Phil Forensic Sciences              | Dr. Muhammad Nawaz        | UHS Lahore  | Ultrasonographic autopsy (Echopsy): An effective technique for postmortem diagnosis                                                 | Dr. Allah Rakha              | Pending       |
| M.Phil Forensic Sciences              | Dr. Riaz Qadir            | PGMI Lahore | Pattern of firearm injuries in general population of Peshawar region                                                                | Prof. Dr. Abdur Rasheed Mian | Pending       |
| M.Phil Forensic Sciences              | Mr. Abdul Jaleel          | UHS Lahore  | Forensic characterization of Mitochondrial DNA from Baloch population of Pakistan                                                   | Dr. Allah Rakha              | Approved      |
| M.Phil Forensic Sciences              | Mr. Atif Adnan            | UHS Lahore  | RM Y-STRs (13) as tool for differentiation of male relatives and paternal lineages in Forensic DNA Typing                           | Dr. Allah Rakha              | Approved      |
| M.Phil Forensic Sciences              | Dr. Ambreen Serwer        | PGMI Lahore | Estimation of height from craniofacial indexes in local population of Lahore”                                                       | Prof. Abdur Rasheed Mian     | Approved      |
| M.Phil Forensic Sciences              | Dr. Asiya Fazal           | PGMI Lahore | Estimation of age by the radiological examination of medial end of clavicle in local population                                     | Prof. Abdur Rasheed Mian     | Pending       |
| M.Phil Forensic Sciences              | Mr. Sami Ullah            | UHS Lahore  | Cell death factor (HIF2a-S and FIH) as investigation markers of early postmortem interval                                           | Dr. Allah Rakha              | Approved      |
| M.Phil Forensic Sciences              | Dr. Sanaila Gull Sana     | PGMI Lahore | Analysis of cases of road traffic accidents in government hospital of twin cities                                                   | Prof. Abdur Rasheed Mian     | Approved      |
| M.Phil Forensic Sciences              | Ms. Wadiat Rehman         | UHS Lahore  | X chromosomal characterization of people residing in Punjab Pakistan                                                                | Dr. Allah Rakha              | Approved      |
| M.Phil Forensic Sciences              | Ms. Rani Wafa Shear       | UHS Lahore  | Latent fingerprint development by banana peel extract based fluorescent CuO nanoparticles and comparison with black magnetic powder | Dr. Allah Rakha              | Approved      |



| Degree                   | Student Name              | Institute       | Research Title                                                                                                                                    | Supervisor                    | Report Status |
|--------------------------|---------------------------|-----------------|---------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------|---------------|
| M.Phil Forensic Sciences | Ms. Ayesha Anwar          | UHS Lahore      | Expression of BCL2 and BAX as Determinants of postmortem interval in rats                                                                         | Dr. Allah Rakha               | Approved      |
| M.Phil Forensic Sciences | Ms. Mubeen Khalid         | UHS Lahore      | Comparison of different methods for DNA extraction from human skeletal remains                                                                    | Dr. Allah Rakha               | Approved      |
| M.Phil Forensic Sciences | Ms. Marriam Zargham       | UHS Lahore      | Latent fingerprint development by using lemon grass based fluorescent variants of ZnO nanoparticles                                               | Dr. Rahat Abdul Rehman        | Approved      |
| M.Phil Forensic Sciences | Ms. Rahat Bukhari         | UHS Lahore      | Quantification of DNA degradation through HBA and ALAS2 markers using real time PCR in aging bloodstains under different environmental conditions | Dr. Rahat Abdul Rehman        | Approved      |
| M.Phil Forensic Sciences | Ms. Zunaira Batool        | UHS Lahore      | Messenger RNA stability of blood markers, HBA and ALAS2, under different environmental conditions                                                 | Dr. Midhat Salman             | Approved      |
| M.Phil Forensic Sciences | Dr. Ahsan Riaz            | UHS Lahore      | Use of label free photoluminescence platform of MoS2 Nanoparticles: for the detection of explosive TNP                                            | Dr. Anam Munawar              | Approved      |
| M.Phil Forensic Sciences | Ms. Shanzay Babar         | UHS Lahore      | Forensic phenotype single nucleotide polymorphism analysis of male pattern baldness                                                               | Dr. Midhat Salman             | Approved      |
| M.Phil Forensic Sciences | Ms. Amna Anwar            | UHS Lahore      | Development of titanium dioxide based electrochemical sensor for detection of vitreous humor cystine level to estimate postmortem interval        | Dr. Anam Munawar              | Approved      |
| M.Phil Forensic Sciences | Mr. Ahtisham Shuja Abbasi | UHS Lahore      | Post mortem interval determination using expression of apoptosis pathway genes (BAX, BCL2, HIF2A-S and FIH) in Rats                               | Dr. Rahat Abdul Rehman        | Approved      |
| M.Phil Forensic Sciences | Ms. Muqaddas Khursheed    | UHS Lahore      | Stability of seminal DNA on cloth under different water environments                                                                              | Dr. Midhat Salman             | Pending       |
| M.Phil Forensic Sciences | Mr. Salah-Ud-Din          | UHS Lahore      | Forensic analysis of inks chemistry on documents using gold and platinum (Au-Pt) nanocomposite                                                    | Dr. Anam Munawar              | Approved      |
| M.Phil Haematology       | Dr Jamshair Ali           | UHS Lahore      | Study of monoclonal gammopathy of undetermined significance in the elderly                                                                        | Dr. Shahida Mohsin            | Approved      |
| M.Phil Haematology       | Dr. Aamal Zeb             | UHS Lahore      | Screening and identification of alloantibodies in multi transfused beta thalassemia major patients                                                | Prof. Dr. Naumaan Aslam Malik | Approved      |
| M.Phil Haematology       | Dr. Aisha Hameed          | UHS Lahore      | Levels of Platelet-Derived Microparticles and Soluble P-Selectin in patients of Myocardial Infarction                                             | Dr. Shahida Mohsin            | Approved      |
| M.Phil Haematology       | Dr. Ali Murtaza           | AFIP Rawalpindi | Low mean corpuscular volume and mean corpuscular haemoglobin in Haemoglobin-D due to reduced iron levels                                          | Brig. Nadir Ali               | Approved      |
| M.Phil Haematology       | Dr. Ammad Hassan Fida     | UHS Lahore      | Types and sub types of von Willibrand disease in local patients                                                                                   | Dr. Shahida Mohsin            | Approved      |
| M.Phil Haematology       | Dr. Anjum Saeed           | AFIP Rawalpindi | Factor V leiden polymorphism in paitents of venous thromboembolism                                                                                | Brig. Nadir Ali               | Approved      |
| M.Phil Haematology       | Dr. Anum Aman Hanif       | UHS Lahore      | ANCA gene mutations ( 1115-1118delTTGG and 3788- 3790delTCT ) in patients of Fanconi anaemia                                                      | Dr. Shahida Mohsin            | Approved      |
| M.Phil Haematology       | Dr. Asma Imtiaz           | UHS Lahore      | Determination of ABH secretor status in the population of Lahore                                                                                  | Prof. Dr. Naumaan Aslam Malik | Pending       |
| M.Phil Haematology       | Dr. Atiqa Arshad          | UHS Lahore      | Plasma level of Von willebrand factor and ADAMTS-13 in ischemic stroke                                                                            | Prof. Dr. Naumaan Aslam Malik | Approved      |
| M.Phil Haematology       | Dr. Ayesha Bhalli         | UHS Lahore      | Antithrombin III as a Marker of Fibrosis in chronic Hepatitis C                                                                                   | Dr. Shahida Mohsin            | Approved      |
| M.Phil Haematology       | Dr. Ayesha Nayyar         | AFIP Rawalpindi | Immunoglobulin gene rearrangement in detection of minimal residual disease in acute lymphoblastic leukaemia                                       | Maj. Gen. Dr. Suhaib Ahmad    | Approved      |
| M.Phil Haematology       | Dr. Ayesha Samad Dogar    | PGMI Lahore     | Comparison of fibrinogen level and factor VIII in single and multiple vessels ischemic heart disease and its association with blood groups        | Prof. Dr. Naumaan Aslam Malik | Pending       |
| M.Phil Haematology       | Dr. Ayishah Choudhary     | UHS Lahore      | Comparison of plasminogen activator inhibitor (PAI-1), Factor VII and fibrinogen levels in obese and non obese children                           | Dr. Shahida Mohsin            | Approved      |
| M.Phil Haematology       | Dr. Beenish Ejaz          | UHS Lahore      | Comparison of level of protein C, protein S and antithrombin III in different stages of metastatic solid malignancies                             | Prof. Dr. Naumaan Aslam Malik | Approved      |
| M.Phil Haematology       | Dr. Faiza Khalid          | UHS Lahore      | Thrombin-Antithrombin complex and prothrombin F1+2 as markers of hypercoagulable state in thalassaemia major and thalassaemia intermedia          | Prof. Dr. Naumaan Aslam Malik | Approved      |

| Degree             | Student Name             | Institute       | Research Title                                                                                           | Supervisor                    | Report Status |
|--------------------|--------------------------|-----------------|----------------------------------------------------------------------------------------------------------|-------------------------------|---------------|
| M.Phil Haematology | Dr. Faiza Oje Bhatti     | PGMI Lahore     | Disseminated intravascular coagulation in chronic liver disease                                          | Prof. Dr. Naumaan Aslam Malik | Approved      |
| M.Phil Haematology | Dr. Farzana Rizwan       | PGMI Lahore     | Coagulation abnormalities in intrauterine fetal death: A comparative study of FDPs and D-Dimers          | Prof. Dr. Muhammad Tayyib     | Approved      |
| M.Phil Haematology | Dr. Ghazal Arshad        | PGMI Lahore     | Comparison of different treatment modalities of chelation therapy in beta Thalassemia major patients     | Dr. Mahfooz Ur Rahman         | Approved      |
| M.Phil Haematology | Dr. Hafiz Ather Farooq   | PGMI Lahore     | Hepcidin as a marker of Anemia in Chronic Hepatitis C infections                                         | Prof. Dr. Naumaan Aslam Malik | Approved      |
| M.Phil Haematology | Dr. Hafiz Muhammad Umair | UHS Lahore      | Role of D-dimer and P-selectin in diagnosis and prediction of lower extremity deep venous thrombosis     | Prof. Dr. Naumaan Aslam Malik | Approved      |
| M.Phil Haematology | Dr. Haroon-ur-Rashid     | AFIP Rawalpindi | Hereditary deficiency of natural anticoagulants in patients with recurrent venous or arterial thrombosis | Col. Hamid Iqbal              | Approved      |
| M.Phil Haematology | Dr. Huma Amin            | UHS Lahore      | Levels of haemostatic factors in young and elderly                                                       | Dr. Shahida Mohsin            | Approved      |
| M.Phil Haematology | Dr. Ikram Ud Din Ujjan   | PGMI Lahore     | Folate Measurement in Patients On Hemodialysis with Endstage Renal Disease                               | Prof. Dr. Muhammad Tayyib     | Approved      |
| M.Phil Haematology | Dr. Iqbal Nazir          | PGMI Lahore     | Relationship of maternal & neonatal iron status                                                          | Prof. Dr. Muhammad Tayyib     | Approved      |
| M.Phil Haematology | Dr. Khurram H. Shah      | UHS Lahore      | Prevalence of L444P mutation of GBA gene in Pakistani patients of Gaucher's disease                      | Dr. Shahida Mohsin            | Pending       |



| Degree             | Student Name               | Institute       | Research Title                                                                                                                                                                                                 | Supervisor                        | Report Status |
|--------------------|----------------------------|-----------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------|---------------|
| M.Phil Haematology | Dr. Kiran Nisar            | AFIP Rawalpindi | Haematological parameters in young infant (Post-neonatal Period) from Immunization Center of Tertiary Care Hospitals                                                                                           | Maj. Gen. Dr. Suhaib Ahmad        | Approved      |
| M.Phil Haematology | Dr. Maheen Rana            | UHS Lahore      | Levels of red blood cells-derived microparticles in stored erythrocytes concentrate                                                                                                                            | Dr. Shahida Mohsin                | Approved      |
| M.Phil Haematology | Dr. Maida Masood           | UHS Lahore      | Nucleophosmin (NPM1) gene 4-bp duplication in patients with acute myeloid leukemia                                                                                                                             | Dr. Shahida Mohsin                | Approved      |
| M.Phil Haematology | Dr. Maria Aslam            | UHS Lahore      | Serum transferrin receptors in children with hypochromic microcytic anemia                                                                                                                                     | Dr. Shahida Mohsin                | Approved      |
| M.Phil Haematology | Dr. Mizna Arif             | AIMC Lahore     | Immunophenotypic characterization of acute leukemia by multicolor flow cytometry                                                                                                                               | Dr. Muhammad Tariq Hameed Rahmani | Approved      |
| M.Phil Haematology | Dr. Mohammad Omer Naseem   | UHS Lahore      | Parvovirus B19 in patients of Acute Lymphoblastic Leukemia with Prolonged cytopenia                                                                                                                            | Dr. Shahida Mohsin                | Approved      |
| M.Phil Haematology | Dr. Moizza Sahar           | UHS Lahore      | Significance of Neuropilin-1 (CD 304) expression in pediatric B-lineage acute lymphoblastic Leukemia                                                                                                           | Dr. Shahida Mohsin                | Approved      |
| M.Phil Haematology | Dr. Mubasher Razaq Khan    | PGMI Lahore     | Comparison of assessment of remission in chronic myeloid leukaemia patients, treated with imatinib mesylate by cytogenetic and molecular methods                                                               | Prof. Dr. Taifur ul Islam Gilani  | Approved      |
| M.Phil Haematology | Dr. Mubashir Ahmed         | PGMI Lahore     | Effect of delayed umbilical cord clamping on iron status of infants born to anaemic mothers                                                                                                                    | Dr. Mahfooz Ur Rahman             | Approved      |
| M.Phil Haematology | Dr. Muhammad Azhar Sattar  | UHS Lahore      | Prevalence of Intron 1 inversion in patients of severe Haemophilia A                                                                                                                                           | Dr. Shahida Mohsin                | Approved      |
| M.Phil Haematology | Dr. Muhammad Bilal Ghafoor | UHS Lahore      | VKORC1 gene polymorphism (-1639G>A) and warfarin resistance in patients on warfarin therapy                                                                                                                    | Dr. Shahida Mohsin                | Approved      |
| M.Phil Haematology | Dr. Muhammad Idris         | PGMI Lahore     | Sensitivity, specificity, positive and negative predictive value of rK39 based ELISA test in patients recently diagnosed with visceral leishmaniasis by direct microscopic examination of bone marrow aspirate | Prof. Dr. Naumaan Aslam Malik     | Pending       |
| M.Phil Haematology | Dr. Muhammad Iqbal         | PGMI Lahore     | Serum hepcidin level and reticulocyte haemoglobin concentration as indicators of the iron status in patients on haemodialysis                                                                                  | Dr. Muhammad Tariq Hamid Rahmani  | Pending       |
| M.Phil Haematology | Dr. Muhammad Iqbal Javaid  | AIMC Lahore     | Haematological changes iron status CD4 count and viral load among HIV AIDS patients                                                                                                                            | Dr. Muhammad Tariq Hameed Rahmani | Pending       |
| M.Phil Haematology | Dr. Muhammad Kaleem Khan   | PGMI Lahore     | Spectrum of von Willebrand disease in Punjab; Clinical features and types                                                                                                                                      | Prof. Dr. Naumaan Aslam Malik     | Approved      |
| M.Phil Haematology | Dr. Muhammad Kashif Mughal | UHS Lahore      | Intron 22 Inversion in patients of severe haemophilia A                                                                                                                                                        | Dr. Shahida Mohsin                | Approved      |
| M.Phil Haematology | Dr. Muhammad Rizwan        | PGMI Lahore     | Determination of optimal shelf life of cord blood by measurement of storage related changes and its comparison with adult blood                                                                                | Dr. Mahfooz Ur Rahman             | Pending       |
| M.Phil Haematology | Dr. Muhammad Tahir Saeed   | UHS Lahore      | Carrier Detection of Haemophilia B by linkage analysis                                                                                                                                                         | Dr. Shahida Mohsin                | Approved      |
| M.Phil Haematology | Dr. Muneeza Taseer         | PGMI Lahore     | Levels Oxidative stress in Third trimester and after delivery in preeclampsia and normal pregnancy                                                                                                             | Prof. Dr. Muniza Saeed            | Approved      |
| M.Phil Haematology | Dr. Munir Ahmad            | UHS Lahore      | The frequency of TEL-AML1 fusion Gene in patients of Acute Lymphoblastic Leukemia                                                                                                                              | Dr. Shahida Mohsin                | Approved      |
| M.Phil Haematology | Dr. Nabila Akram           | UHS Lahore      | Role of CYP2C19 and PON-1 polymorphisms in clopidogrel resistant patients of ischemic heart disease                                                                                                            | Dr. Shahida Mohsin                | Approved      |
| M.Phil Haematology | Dr. Naghmana Mazhar        | PGMI Lahore     | Serum $\beta$ -2 microglobulin and lactate dehydrogenase isoenzyme as markers of bone marrow infiltration in non hodgkin's lymphoma                                                                            | Dr. Zafar Iqbal                   | Approved      |
| M.Phil Haematology | Dr. Nasir Rashid           | PGMI Lahore     | Correlation of osmotic fragility test with MCV and haemoglobin electropherogram in siblings of beta Thalassemia major patients                                                                                 | Dr. Mahfooz Ur Rahman             | Approved      |
| M.Phil Haematology | Dr. Nauzaina Asghar        | PGMI Lahore     | D-Dimer and interleukin-6 levels in angina pectoris                                                                                                                                                            | Prof. Dr. Muhammad Tayyib         | Pending       |

| Degree             | Student Name       | Institute       | Research Title                                                                                                                                  | Supervisor                        | Report Status |
|--------------------|--------------------|-----------------|-------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------|---------------|
| M.Phil Haematology | Dr. Nazia Ahmad    | PGMI Lahore     | Frequency of antiphospholipid antibodies in women with recurrent fetal loss                                                                     | Prof. Dr. Naumaan Aslam Malik     | Approved      |
| M.Phil Haematology | Dr. Neelam Mazhar  | UHS Lahore      | Effect of hormonal contraceptives on fibrinogen and plasma antithrombin level                                                                   | Prof. Dr. Naumaan Aslam Malik     | Approved      |
| M.Phil Haematology | Dr. Noareen Tufail | UHS Lahore      | Diagnostic validity of total vitamin B12 and holotranscobalamin in patients of megaloblastic anaemia taking methylmalonyl CoA as gold standeard | Dr. Shahida Mohsin                | Approved      |
| M.Phil Haematology | Dr. Qazi Ali       | UHS Lahore      | Intron 22 Inversion in patients of severe haemophilia A                                                                                         | Dr. Shahida Mohsin                | Pending       |
| M.Phil Haematology | Dr. Rafeeda Maab   | PGMI Lahore     | Study of plasma thrombopoietin levels in idiopathic thrombocytopenic purpura and aplastic anemia                                                | Prof. Dr. Naumaan Aslam Malik     | Pending       |
| M.Phil Haematology | Dr. Rizwana Nawaz  | AIMC Lahore     | Aetiology and socio-demographic factors in microcytic hypochromic anemia among paediatric population”                                           | Dr. Muhammad Tariq Hameed Rahmani | Approved      |
| M.Phil Haematology | Dr. Romana Irshad  | AFIP Rawalpindi | JAK2 V617F mutation in recurrent fetal loss                                                                                                     | Maj. Gen. Dr. Suhaib Ahmad        | Approved      |
| M.Phil Haematology | Dr. Sadia Akbar    | UHS Lahore      | Frequency of BCR/ABL Fusion Gene and deletion of IKZF-1 in acute Lymphoblastic Leukemia patients                                                | Dr. Shahida Mohsin                | Approved      |
| M.Phil Haematology | Dr. Saima Iram     | UHS Lahore      | Mutations of FANCA gene at exon 1, 28 and 29 in patients of Fanconi anaemia in local population                                                 | Dr. Shahida Mohsin                | Approved      |

| Degree             | Student Name                | Institute       | Research Title                                                                                                                                                         | Supervisor                       | Report Status |
|--------------------|-----------------------------|-----------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------|---------------|
| M.Phil Haematology | Dr. Saima Mansoor Bugvi     | PGMI Lahore     | Analysis of intron 13 (CA) N repeats and Hind III markers of factor VIII gene and its application for carrier detection                                                | Prof. Dr. Taifur ul Islam Gilani | Approved      |
| M.Phil Haematology | Dr. Saira Bashir            | PGMI Lahore     | Comparison of Platelets survival with and without Platelet additive solution                                                                                           | Dr. Shahida Mohsin               | Approved      |
| M.Phil Haematology | Dr. Shamila Tahir           | UHS Lahore      | Comparison of levels of vWF and ADAMTS13 in patients of myocardial infarction and healthy control                                                                      | Dr. Shahida Mohsin               | Approved      |
| M.Phil Haematology | Dr. Shazia Bashir           | PGMI Lahore     | Comparison of Plasma thrombomodulin & von willebrand factor levels in normotensive pregnant females and pregnancy induced hypertensive females                         | Dr. Muhammad Tariq Hamid Rahmani | Approved      |
| M.Phil Haematology | Dr. Sumreen Shafi           | AFIP Rawalpindi | Factor V Leiden mutation in women with recurrent pregnancy loss                                                                                                        | Brig. Farhat Abbas Bhatti        | Approved      |
| M.Phil Haematology | Dr. Syed Khizar Abbas Rizvi | UHS Lahore      | Resistance to antiplatelet therapy in patients of ischemic heart disease                                                                                               | Dr. Shahida Mohsin               | Approved      |
| M.Phil Haematology | Dr. Tahira Atta             | AFIP Rawalpindi | Frequency of H63D and C282Y mutations in patients with increased bone marrow iron                                                                                      | Maj. Gen. Dr. Suhaib Ahmad       | Approved      |
| M.Phil Haematology | Dr. Tehmeena Yaqub          | PGMI Lahore     | Evaluation of red cell distribution width (RWD) as a discriminant factor in the differential diagnosis of iron deficiency anemia and beta thalassaemia trait           | Dr. Mahfooz Ur Rahman            | Approved      |
| M.Phil Haematology | Dr. Ujala Aynum             | UHS Lahore      | Mutations of FANCG gene (313G→T and 307+1G>T) in patients of Fanconi anemia                                                                                            | Dr. Shahida Mohsin               | Approved      |
| M.Phil Haematology | Dr. Umbreen Imtiaz          | PGMI Lahore     | Plasma antithrombin level and platelet count in normal pregnancy and preeclampsia                                                                                      | Prof. Dr. Naumaan Aslam Malik    | Approved      |
| M.Phil Haematology | Dr. Wardah Sayed Shah       | AFIP Rawalpindi | Frequency of factor VIII Inhibitor in patients of Haemophilia "A" on Replacement therapy                                                                               | Maj. Gen. Dr. Suhaib Ahmad       | Pending       |
| M.Phil Haematology | Dr. Yusra Rashid            | UHS Lahore      | Mutations at exons 11 and 17 of C-kit gene in patients with acute myeloid leukemia                                                                                     | Dr. Shahida Mohsin               | Approved      |
| M.Phil Haematology | Dr. Zahra Ali               | PGMI Lahore     | Comparison of PAX5 and CD79a expression in childhood precursor B lymphoblastic leukemia                                                                                | Prof. Dr. Naumaan Aslam Malik    | Approved      |
| M.Phil Haematology | Dr. Zille Rubab             | UHS Lahore      | Serum hepcidin levels in patients of end stage renal disease                                                                                                           | Dr. Shahida Mohsin               | Approved      |
| M.Phil Haematology | Dr. Zufishan Batool         | AFIP Rawalpindi | Frequency of Alpha Thalassaemia in northern Pakistan                                                                                                                   | Maj. Gen. Dr. Suhaib Ahmad       | Approved      |
| M.Phil Haematology | Dr. Iram Aftab              | UHS Lahore      | FANCC gene mutations (IVS4+4A>T, del322G, R548X) in local population                                                                                                   | Dr. Shahida Mohsin               | Approved      |
| M.Phil Haematology | Muhammad Javaid Iqbal       | UHS Lahore      | Effect of maternal and neonatal factors on CD34+ haemopoietic stem cell count from umbilical cord blood in diabetic and normal pregnancies                             | Dr. Mahfooz Ur Rahman            | Approved      |
| M.Phil Haematology | Dr. Sara Ejaz               | UHS Lahore      | Molecular characterization of haemoglobin variants that co-elute with HbA2 on HPLC                                                                                     | Dr. Shahida Mohsin               | Approved      |
| M.Phil Haematology | Dr. Imran shahid            | UHS Lahore      | Frequency of $\alpha$ thalassemia in pregnant women with microcytic hypochromic anemias                                                                                | Dr. Shahida Mohsin               | Approved      |
| M.Phil Haematology | Dr. Namra Mahmood           | UHS Lahore      | Activated protein C resistance and protein C inhibitor levels in women using second generation oral contraceptives                                                     | Prof. Dr. Naumaan Aslam Malik    | Approved      |
| M.Phil Haematology | Dr. Sadia Ijaz              | UHS Lahore      | Mean platelet volume, immature platelet fraction and beta thromboglobulin in patients of acute coronary syndrome and normal subjects                                   | Prof. Dr. Naumaan Aslam Malik    | Approved      |
| M.Phil Haematology | Dr. Kanwal Khawar           | UHS Lahore      | Effects of oral contraceptives on protein S and C4b-binding protein                                                                                                    | Prof. Dr. Naumaan Aslam Malik    | Approved      |
| M.Phil Haematology | Dr. Fatima Altaf            | UHS Lahore      | Thrombin-antithrombin complex and prothrombin F1+2 as markers of hypercoagulable state in normal pregnancy and preeclampsia                                            | Prof. Dr. Naumaan Aslam Malik    | Approved      |
| M.Phil Haematology | Dr. Saira Gul               | UHS Lahore      | Flow cytometric analysis of $\alpha$ IIb $\beta$ 3 integrin protein and its activating mutations in exon 10 and 11 of ITGB3 gene in glazmann's thrombasthenia patients | Dr. Shahida Mohsin               | Approved      |
| M.Phil Haematology | Dr. Aneela Sarwar           | PGMI Lahore     | Utilization of serum transferrin, serum ferritin and serum transferrin receptor-ferritin index in adults with iron deficiency anaemia                                  | Prof. Nighat Nasim               | Pending       |

| Degree                                    | Student Name              | Institute    | Research Title                                                                                                                                                                                       | Supervisor                       | Report Status |
|-------------------------------------------|---------------------------|--------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------|---------------|
| M.Phil Haematology                        | Dr. Atif Khan             | AIMC Lahore  | Comparison of immunochromatic, enzyme linked immunosorbent assay and chemiluminescence technologies for screening of hepatitis C antibody at blood bank of a tertiary care hospital                  | Dr. Muhammad Tariq Hamid Rahmani | Approved      |
| M.Phil Haematology                        | Dr. Sehar Shamshad Ali    | PGMI Lahore  | Detection of hepatitis B virus DNA by real time polymerase chain reaction in seronegative blood donors                                                                                               | Dr. Nighat Rashid                | Approved      |
| M.Phil Haematology                        | Dr. Saima Azam            | PGMI Lahore  | Comparison of plasma fibrinogen and von willebrand factor levels and their relation to glycemic control in type 2 diabetic patients with and without ischemic heart disease                          | Dr. Nighat Rashid                | Approved      |
| M.Phil Haematology                        | Dr. Maleeha Ali Khan      | PGMI Lahore  | Diagnostic accuracy of RDWI to differentiate iron deficiency anaemia and thalassaemia trait in borderline HbA2                                                                                       | Prof. Tariq Hamid Rehmani        | Approved      |
| M.Phil Haematology                        | Dr. Noman Khalid          | PGMI Lahore  | Haematologic changes in chronic hepatitis C patients on sofosbuvir and ribavirin therapy                                                                                                             | Dr. Nighat Rashid                | Approved      |
| M.Phil Haematology                        | Dr. Sameen Hassan         | FPGMI Lahore | Association of reticulocyte hemoglobin content RET-He with iron status in hemodialysis dependent patients with TSAT taken as gold standard                                                           | Prof. Mona Aziz                  | Approved      |
| M.Phil Haematology                        | Dr. Anam Mahmood          | PGMI Lahore  | Comparison of Platelet volume indices (MPV, PDW, P-LCR) in patients with ST-segment elevation myocardial infarction and non-ST-segment elevation myocardial infarction                               | Dr. Nighat Rashid                | Approved      |
| M.Phil Haematology                        | Dr. Maryam Khalid         | UHS Lahore   | Tumor derived tissue factor positive microparticles in venous thromboembolism in cancer patients                                                                                                     | Dr. Nazish Mazari                | Approved      |
| M.Phil Haematology                        | Dr. Afshan Amir Sumra     | UHS Lahore   | Comparison of MTHFR C677T and A1298C genetic polymorphism in chronic myeloid leukemia and normal healthy individuals                                                                                 | Dr. Nazish Mazari                | Approved      |
| M.Phil Haematology                        | Dr. Aisha Ahmad           | UHS Lahore   | Comparison of thrombomodulin, VWF and ADAMTS13 levels between preeclampsia and normal pregnancy                                                                                                      | Dr. Nazish Mazari                | Approved      |
| M.Phil Haematology                        | Dr. Hira Arshad           | AIMC Lahore  | The diagnostic accuracy of cytochemistry in diagnosing acute leukemia                                                                                                                                | Dr. Sajjad Haider                | Approved      |
| M.Phil Haematology                        | Dr. Shaista Shabbir       | UHS Lahore   | Association of Fc gamma receptor 2B polymorphisms with red blood cell alloimmunization in beta thalassemia major patients                                                                            | Dr. Muhammad Asif Naveed         | Approved      |
| M.Phil Haematology                        | Dr. Iqra Dastgeer         | AIMC Lahore  | Evaluation of clinical presentation and underlying bone marrow pathology in pancytopenia patients at a Tertiary Care Centre                                                                          | Dr. Seema Mazhar                 | Approved      |
| M.Phil Haematology                        | Dr. Amber Chaudhary       | UHS Lahore   | DNA methylation status of UHRF1 and ERG genes in acute lymphoblastic leukemia patients                                                                                                               | Dr. Muhammad Asif Naveed         | Approved      |
| M.Phil Haematology                        | Dr. Ahmed Latif Chaudhary | SZPMI Lahore | Assessment of protein S levels in young patients (20-45 years) with myocardial infarction reporting to Shaikh Zayed Hospital, Lahore                                                                 | Dr. Ghazanfar Ali Sirhindi       | Approved      |
| M.Phil Haematology                        | Dr. Zara Ashfaq           | UHS Lahore   | Association of DNA methylation status of CELSR2 and NLRP3 genes with treatment response in B-cell acute lymphoblastic leukemia                                                                       | Dr. Muhammad Asif Naveed         | Approved      |
| M.Phil Haematology                        | Dr. Amir Ali Khan         | PGMI Lahore  | Comparison of serum erythroferrone and hepcidin levels between females experiencing spontaneous abortion and normal pregnant females in the first trimester                                          | Dr. Irem Iqbal                   | Approved      |
| M.Phil Haematology                        | Dr. Tahreem Anwer         | SZPMI Lahore | Comparison of 25-hydroxy vitamin D levels between anemic and non-anemic pregnant women in their third trimester                                                                                      | Dr. Ghazanfer Ali Sirhindi       | Approved      |
| M.Phil Histopathology                     | Dr. Sobia Sadiq           | UHS Lahore   | Diagnostic role of CD117 in small cell carcinoma of lungs                                                                                                                                            | Prof. Abdul Hannan Nagi          | Approved      |
| M.Phil Histopathology                     | Dr. Anum Kabir            | SZPMI Lahore | Immunohistochemical expression of MSH2 in Helicobacter pylori positive gastric biopsies                                                                                                              | Prof. Dr. Aman-ur-Rehman         | Approved      |
| M.Phil Histopathology                     | Dr. Wardah Sahar Khan     | SZPMI Lahore | A comparative Analysis of stain positivity by warthin-starry silver stain, giemsa stain and hematoxylin & eosin stain for the histological identification of helicobacter pylori in gastric biopsies | Prof. Dr. Aman-ur-Rehman         | Pending       |
| M.Phil Human Genetics & Molecular Biology | Dr. Aimen Niaz            | UHS Lahore   | Mutation screening of kit gene exons (6,8,9,10,13 and 14) encoding functional domains of C-kit protein in AML patients                                                                               | Dr. Shagufta Khaliq              | Approved      |
| M.Phil Human Genetics & Molecular Biology | Dr. Faiza Munir           | UHS Lahore   | Screening of families with autosomal recessive congenital cataract for linkage with CRYBB3 & FYCO1 genes                                                                                             | Dr. Munir Ahmad                  | Approved      |

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|-------------------------------------------|----------------------------|------------|---------------------------------------------------------------------------------------------------------------------------------------|-------------------------------|---------------|
| M.Phil Human Genetics & Molecular Biology | Dr. Mahnaz Siddiqui        | UHS Lahore | Association of angiotensin converting enzyme gene (insertion/deletion) polymorphism with vitiligo in Pakistani population             | Dr. Munir Ahmad               | Approved      |
| M.Phil Human Genetics & Molecular Biology | Dr. Muhammad Aiman Shahzad | UHS Lahore | Genetic analysis of ARSA and PSAP genes in families of metachromatic leukodystrophy                                                   | Dr. Saqib Mahmood             | Pending       |
| M.Phil Human Genetics & Molecular Biology | Dr. Muhammad Nadir Iqbal   | UHS Lahore | Polymorphism of macrophage migration inhibitory factor (MIF) gene in patients of diabetic nephropathy                                 | Prof. Dr. Muhammad Aslam Khan | Approved      |
| M.Phil Human Genetics & Molecular Biology | Dr. Sabahat Fatima         | UHS Lahore | Analysis of inhibin alpha [769G>A] gene mutation in patients with premature ovarian failure                                           | Dr. Shagufta Khaliq           | Approved      |
| M.Phil Human Genetics & Molecular Biology | Dr. Samina Ali             | UHS Lahore | Analysis of luteinizing hormone gene variant (G1502A) in patients with polycystic ovary syndrome                                      | Dr. Shagufta Khaliq           | Approved      |
| M.Phil Human Genetics & Molecular Biology | Dr. Sehrish Nadym          | UHS Lahore | ITD and D835 mutations of FMS like tyrosine kinase 3 gene in patients with acute myeloid leukemia                                     | Dr. Saqib Mahmood             | Approved      |
| M.Phil Human Genetics & Molecular Biology | Dr. Sikander Ikram         | UHS Lahore | Ecology and cytogenetic studies in couples experiencing recurrent spontaneous miscarriages                                            | Prof. Dr. Muhammad Aslam Khan | Approved      |
| M.Phil Human Genetics & Molecular Biology | Dr. Zeenat Usman           | UHS Lahore | Sequence analysis of bone morphogenetic protein 15 (BMP15) gene in patients of premature ovarian failure                              | Dr. Saqib Mahmood             | Approved      |
| M.Phil Human Genetics & Molecular Biology | Mr. Ateeq Ashraf           | UHS Lahore | Selection of rat as an animal model of choice on the basis of comparative molecular characterization for studying glutaredoxin-5 gene | Dr. Ghayyor Ahmad             | Approved      |
| M.Phil Human Genetics & Molecular Biology | Mr. Najeebullah            | UHS Lahore | Linkage analysis of autosomal recessive congenital cataract for HSF4 & FYCO1 genes in families from Balochistan                       | Dr. Munir Ahmad               | Approved      |
| M.Phil Human Genetics & Molecular Biology | Ms. Faryal Zafar Ullah     | UHS Lahore | Mutational analysis of exon 4 of LDLR gene in familial hypercholesterolemia patients from Balochistan                                 | Dr. Munir Ahmad               | Approved      |
| M.Phil Human Genetics & Molecular Biology | Ms. Huma Shafique          | UHS Lahore | The genetic basis of selecting rat as an animal model for studying ferrochelatase gene expression: A comparative genomic approach     | Dr. Ghayyor Ahmad             | Approved      |
| M.Phil Human Genetics & Molecular Biology | Ms. Sana Iqbal             | UHS Lahore | Association of ACE I/D polymorphism with endometriosis in Pakistani females                                                           | Dr. Munir Ahmad               | Approved      |
| M.Phil Human Genetics & Molecular Biology | Ms. Shamsa Kanwal          | UHS Lahore | Genetic epidemiology and risk factors of breast cancer in different isonm groups of district Bahawalpur                               | Prof. Dr. Muhammad Aslam Khan | Approved      |
| M.Phil Human Genetics & Molecular Biology | Ms. Sobia Ikram            | UHS Lahore | FGFR2 polymorphism in correlation to breast cancer susceptibility in Pakistani women                                                  | Dr. Uzma Shaukat              | Pending       |
| M.Phil Human Genetics & Molecular Biology | Ms. Sumra Batool           | UHS Lahore | Analysis of Dendritic Cell Receptor Gene (DC-SIGN) variant in patients with Dengue fever                                              | Dr. Shagufta Khaliq           | Approved      |
| M.Phil Human Genetics & Molecular Biology | Dr. Tooba Ali              | UHS Lahore | Sequencing analysis of ITGβ3 gene for mutations affecting β-I domain in patients with Glanzmann thrombasthenia                        | Dr. Shagufta Khaliq           | Pending       |

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| M.Phil Human Genetics & Molecular Biology | Dr. Ayesha Ali               | UHS Lahore | GSTM1 and GSTT1 genes polymorphism in Pakistan endometriotic patients                                                              | Dr. Munir Ahmad           | Approved      |
| M.Phil Human Genetics & Molecular Biology | Ms. Iqra Shahid              | UHS Lahore | Mutational analysis of exon 3, 7, & 8 of FGFR3 gene in achondroplasia patients                                                     | Dr. Munir Ahmad           | Approved      |
| M.Phil Human Genetics & Molecular Biology | Ms. Saba Munir               | UHS Lahore | A study of HIF1 $\alpha$ -dependent regulation of microRNAs in renal cancer                                                        | Prof. Dr. Shagufta Khaliq | Approved      |
| M.Phil Human Genetics & Molecular Biology | Ms. Mudassar Masood          | UHS Lahore | Analysis of BCL2 & BAX genes regulatory variants (-938C>A, -248G>A) and BCL2 gene expression in carcinoma of breast tissues        | Prof. Dr. Shagufta Khaliq | Approved      |
| M.Phil Human Genetics & Molecular Biology | Mr. Muhammad Mudassar Rashid | UHS Lahore | Hepatic LCN2 gene expression at different time points, during on acute phase reaction in hyperglycemic and normal rats             | Dr. Munir Ahmad           | Pending       |
| M.Phil Human Genetics & Molecular Biology | Mr. Abdul Mannan             | UHS Lahore | Association of oral submucous fibrosis risk with GSTM1 and GSTT1 gene polymorphisms                                                | Dr. Munir Ahmad           | Approved      |
| M.Phil Human Genetics & Molecular Biology | Ms. Aroosa Farooq            | UHS Lahore | Genetic analysis of exons 6,8,9,10,11,12 of SLC5A1 in glucose galactose malabsorption affect families                              | Dr. Munir Ahmad           | Approved      |
| M.Phil Human Genetics & Molecular Biology | Dr. Nida Sharjeel            | UHS Lahore | Association of LZYL2 gene polymorphism (rs399593) with dental caries risk in local school going children                           | Dr. Munir Ahmad           | Approved      |
| M.Phil Human Genetics & Molecular Biology | Ms. Faiqua Munir             | UHS Lahore | Mutation analysis of SOHLHI gene encoding oogenesis-specific transcription factor in patients with premature ovarian insufficiency | Prof. Dr. Shagufta Khaliq | Approved      |
| M.Phil Human Genetics & Molecular Biology | Ms. Zainab Yousaf            | UHS Lahore | NRAMP1 gene polymorphisms in pulmonary tuberculosis patients                                                                       | Dr. Munir Ahmad           | Approved      |
| M.Phil Human Genetics & Molecular Biology | Ms. Sabiha Khalid            | UHS Lahore | Liquid biopsy base miR-122, miR-150 and mi-1233 expression analysis in renal cell carcinoma                                        | Dr. Ali Amar              | Approved      |
| M.Phil Human Genetics & Molecular Biology | Ms. Rabia Basri Javaid       | UHS Lahore | Sequence analysis of FSHR gene in primary ovarian insufficiency patients”                                                          | Dr. Shagufta Khaliq       | Approved      |
| M.Phil Human Genetics & Molecular Biology | Dr. Saneyah Amanat           | UHS Lahore | Association analysis of genetic polymorphisms in interleukin (IL-37) and inflammasome (IFI16/AIM2) genes with periodontitis        | Prof. Dr. Shagufta Khaliq | Pending       |
| M.Phil Human Genetics & Molecular Biology | Dr. Mariam Ali               | UHS Lahore | Mutational analysis of Exon 2,4,9,10,11 & 12 of FGFR3 gene in achondroplasia patients                                              | Dr. Munir Ahmad           | Approved      |
| M.Phil Immunology                         | Dr. Ambreen Nawaz            | UHS Lahore | Determination of salivary IgA, TGF- $\beta$ and IL-17 in patients of dental caries                                                 | Dr. Nadeem Afzal          | Approved      |
| M.Phil Immunology                         | Dr. Aqsa Anam                | UHS Lahore | Anti-endothelial cell, anti-cardiolipin and anti-glomerular basement membrane antibodies in rheumatic heart disease patients       | Dr. Nadeem Afzal          | Pending       |
| M.Phil Immunology                         | Dr. Fahad H. Khaliq          | UHS Lahore | Enumeration of T regulatory cells in individuals with and without amalgam filling in their teeth                                   | Dr. Nadeem Afzal          | Approved      |
| M.Phil Immunology                         | Dr. Faheem Shahzad Khan      | UHS Lahore | Percentage of CD4+ CD25+ T regulatory cells in type 2 diabetic patients                                                            | Dr. Nadeem Afzal          | Approved      |
| M.Phil Immunology                         | Dr. Farah Waheed             | UHS Lahore | Association of interleukin-9 and interleukin-13 levels in coronary artery disease                                                  | Dr. Nadeem Afzal          | Approved      |



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| M.Phil Immunology | Dr. Farhana Shahzad       | UHS Lahore      | Association of Interleukin-4 and IgE levels with increased LDL oxidation in atherosclerosis                                                                                           | Prof. Dr. Abdul Ghaffar Rehan | Approved      |
| M.Phil Immunology | Dr. Ghaniya Ali           | UHS Lahore      | Serum neutrophil gelatinase associated lipocalin in systemic lupus erythematosus patients with and without lupus nephritis                                                            | Dr. Nadeem Afzal              | Pending       |
| M.Phil Immunology | Dr. Gul Afshan            | UHS Lahore      | Frequency of CD4+ and CD25+ T regulatory cells in males versus females                                                                                                                | Prof. Dr. Abdul Ghaffar Rehan | Approved      |
| M.Phil Immunology | Dr. Husniah Batool        | UHS Lahore      | Determination of salivary IL-6 and IL-17 in patients of calculus associated chronic periodontitis                                                                                     | Dr. Nadeem Afzal              | Approved      |
| M.Phil Immunology | Dr. Leenah Tayyab         | UHS Lahore      | Level of IFN- $\gamma$ , IL-4 and IL-17 in patients of coronary artery atherosclerosis with and without allergic disorders                                                            | Dr. Nadeem Afzal              | Approved      |
| M.Phil Immunology | Dr. Muhammad Bilal Farooq | UHS Lahore      | CD4+ CD25+ T regulatory cells level and their correlation with duration of type 2 diabetes mellitus                                                                                   | Dr. Nadeem Afzal              | Pending       |
| M.Phil Immunology | Dr. Rabia Tufail          | UHS Lahore      | Enumeration of natural killer cells in diabetes mellitus patients treated with insulin and with oral hypoglycemic agents                                                              | Dr. Nadeem Afzal              | Approved      |
| M.Phil Immunology | Dr. Sadaf Ashfaq          | UHS Lahore      | Quantification of immunoglobulin levels in a selected population                                                                                                                      | Dr. Nadeem Afzal              | Pending       |
| M.Phil Immunology | Dr. Sadia Salam           | UHS Lahore      | Enumeration of peripheral blood major lymphocyte subsets in a selected local adult population                                                                                         | Prof. Dr. Abdul Ghaffar Rehan | Pending       |
| M.Phil Immunology | Dr. Sarah Ashraf          | UHS Lahore      | Levels of autoantibodies in healthy females and males                                                                                                                                 | Dr. Nadeem Afzal              | Approved      |
| M.Phil Immunology | Dr. Seemeen Umar          | UHS Lahore      | Enumeration of regulatory T Cells in Siblings and first degree relatives of patients with an autoimmune disease                                                                       | Prof. Dr. Abdul Ghaffar Rehan | Pending       |
| M.Phil Immunology | Dr. Warda Irshad          | UHS Lahore      | Serum and urinary levels of CD14 in patients of acute coronary syndrome                                                                                                               | Dr. Nadeem Afzal              | Approved      |
| M.Phil Immunology | Dr. Zarghona Jafar        | UHS Lahore      | Determination of interferon gamma, interleukin – 2 and interleukin – 10 levels in full-term and pre-term umbilical cord blood                                                         | Dr. Nadeem Afzal              | Approved      |
| M.Phil Immunology | Mr. Khurshed Javaid       | UHS Lahore      | Frequency of HLA-DRB1*12 in patients of Bronchial Asthma                                                                                                                              | Dr. Nadeem Afzal              | Approved      |
| M.Phil Immunology | Mr. Nauman Javed          | UHS Lahore      | Ability of different Staphylococcal aureus isolates to induce selected metabolites in human polymorphonuclear leucocytes                                                              | Dr. Nadeem Afzal              | Approved      |
| M.Phil Immunology | Ms. Foqia Naz             | UHS Lahore      | Determination of serum levels of vitamin D and IL-17 in asthmatic patients                                                                                                            | Dr. Nadeem Afzal              | Approved      |
| M.Phil Immunology | Ms. Rabia Aslam           | UHS Lahore      | Expression and polymorphism analysis of SOCS3 gene with HCV patients                                                                                                                  | Dr. Nadeem Afzal              | Pending       |
| M.Phil Immunology | Ms. Romeeza Tahir         | UHS Lahore      | Polymorphism in methicillin resistant gene (mecA) cassette of methicillin resistant Staphylococcus aureus (MRSA) and agglutination differences between different groups               | Prof. Dr. Abdul Ghaffar Rehan | Approved      |
| M.Phil Immunology | Nighat Naqi               | AFIP Rawalpindi | Identification of the laboratory markers of disease activity for Pakistanis suffering from rheumatoid arthritis                                                                       | Brig. Tahir Aziz Ahmad        | Approved      |
| M.Phil Immunology | Saima Pervaiz             | UHS Lahore      | Comparison of anti cDNA and anti ds DNA antibodies in patients of juvenile systemic lupus erythematosus                                                                               | Dr. Nadeem Afzal              | Approved      |
| M.Phil Immunology | Dr. Attia Lateef          | UHS Lahore      | Determination of IL-10 gene polymorphism at promoter region (-592 C/A and -1082A/G) and gene expression of IL-10 in patients of type 2 diabetes mellitus with and without nephropathy | Dr. Shah Jahan                | Approved      |
| M.Phil Immunology | Dr. Maryam Javaid         | UHS Lahore      | Tumor necrosis factor- $\alpha$ -308 (rs1800629) gene polymorphism and prevalence of Epstein-Barr virus in oral lichen planus                                                         | Dr. Romeeza Tahir             | Pending       |
| M.Phil Immunology | Dr. Ghanwa Saeed          | UHS Lahore      | Determination of polymorphism in interferon-gamma gene (+874A/T) and serum levels of interferon-gamma and myeloperoxidase in patients with oral lichen planus                         | Dr. Romeeza Tahir             | Approved      |
| M.Phil Immunology | Dr. Mariam Aziz           | UHS Lahore      | Comparison of interleukin-22 levels in patients of type 2 diabetes mellitus with and without nephropathy                                                                              | Prof. Dr. Nadeem Afzal        | Approved      |

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|------------------------------------|--------------------------|------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------|---------------|
| M.Phil Immunology                  | Dr. Sana Mehmood         | UHS Lahore | Serum level of CD36 in patients with tuberculosis and healthy controls                                                                                                         | Prof. Dr. Nadeem Afzal          | Approved      |
| M.Phil Immunology                  | Dr. Sara                 | UHS Lahore | Surface expression of CD40L on T-cell and its level in tuberculosis patients with or without treatment                                                                         | Prof. Dr. Nadeem Afzal          | Approved      |
| M.Phil Immunology                  | Dr. Maria Noor           | UHS Lahore | Determination of anti-pentraxin 3 and anti-dsDNA auto-antibodies in patients of SLE with and without proteinuria and healthy controls                                          | Prof. Dr. Nadeem Afzal          | Approved      |
| M.Phil Immunology                  | Dr. Aisha Kirn           | UHS Lahore | Levels of anti-apolipoprotein A1 autoantibodies in patients of rheumatoid arthritis and healthy controls                                                                       | Dr. Romeeza Tahir               | Approved      |
| M.Phil Immunology                  | Ms. Aafshar Khalid       | UHS Lahore | Genetic polymorphism of CCR5(59029A/G) and CCR2(-64IA/G) promoters and their correlation with CDA+T cell count in HIV infected patients                                        | Dr. Romeeza Tahir               | Approved      |
| M.Phil Immunology                  | Ms. Fasihah-ul-ain       | UHS Lahore | PTPN22, MCP-1 genetic variation and expression in tuberculosis patients and healthy controls                                                                                   | Dr. Faheem Shahzad              | Pending       |
| M.Phil Medical Laboratory Sciences | Mr. Usman Ali            | UHS Lahore | DNA Mismatch Repair Antibodies (MSH2, MSH6, PMS2 and MLH1) in Colonic Adenocarcinoma                                                                                           | Prof. Abdul Hannan Nagi         | Approved      |
| M.Phil Medical Laboratory Sciences | Mr. Wasif Sajjad         | UHS Lahore | Polymorphism and gene expression analysis of Toll-like receptor 3 in HCV patients of genotype 3a                                                                               | Dr. Shah Jahan                  | Pending       |
| M.Phil Medical Laboratory Sciences | Ms. Bushra Mubarak       | UHS Lahore | HLA DQβ1*0201 and DQβ1*0301 alleles in patients of bronchial asthma                                                                                                            | Dr. Nadeem Afzal                | Approved      |
| M.Phil Medical Laboratory Sciences | Ms. Faiza Shabbir        | UHS Lahore | Immunocytochemical markers (Ber-Ep 4, MOC-31, Calretinin and HBME-1) in the differential diagnosis of reactive mesothelial cells and adenocarcinoma cells in effusion cytology | Prof. Abdul Hannan Nagi         | Pending       |
| M.Phil Medical Laboratory Sciences | Ms. Iqra Jamil           | UHS Lahore | Frequency of SCCmec type I, II and III in clinical isolates of methicillin resistant Staphylococcus aureus                                                                     | Prof. Maj.Gen. Dr. Abdul Hannan | Approved      |
| M.Phil Medical Laboratory Sciences | Ms. Rakhshanda Talib     | UHS Lahore | Interleukin – 6 polymorphism (-634C /G) in the promotor region and the progression of diabetic nephropathy in type 2 diabetes                                                  | Dr. Nadeem Afzal                | Pending       |
| M.Phil Medical Laboratory Sciences | Ms. Sabrina Rashid       | UHS Lahore | Determination of Neutrophil Gelatinase Associated Lipocalin (NGAL) protein in patients of SLE with and without renal impairment                                                | Dr. Nadeem Afzal                | Approved      |
| M.Phil Medical Laboratory Sciences | Ms. Sana Zainab          | UHS Lahore | Determination of Rheumatoid Factor of IgG, IgM and IgA isotypes in rheumatoid arthritis patients                                                                               | Dr. Nadeem Afzal                | Approved      |
| M.Phil MLS Chemical Pathology      | Mr. H. M. Khalid Mehmood | UHS Lahore | Comparison of urinary vitamin D binding protein levels in diabetics type 2 and controls with normal and higher albumin-creatinine ratio                                        | Dr. Sumbla Ghaznavi             | Approved      |
| M.Phil MLS Chemical Pathology      | Mr. Yasar Nawaz          | UHS Lahore | Serum level of resistin and resistin gene -420C>G polymorphism in patients of polycystic ovarian syndrome                                                                      | Dr. Sumbla Ghaznavi             | Approved      |
| M.Phil MLS Chemical Pathology      | Ms. Rida Hanif           | UHS Lahore | Comparison of resistin levels in asthmatic children with & without family history of asthma                                                                                    | Dr. Sumbla Ghaznavi             | Approved      |
| M.Phil MLS Chemical Pathology      | Ms. Shazmah Ahmad        | UHS Lahore | Comparison of serum neutrophil gelatinase associated lipocalin levels in pre-eclamptic and normotensive pregnant women                                                         | Dr. Sumbla Ghaznavi             | Approved      |
| M.Phil MLS Chemical Pathology      | Ms. Sidra Shahid         | UHS Lahore | Frequency of SNP rs7903146 of transcription factor 7 like 2 gene in Type 2 diabetes mellitus                                                                                   | Dr. Sumbla Ghaznavi             | Approved      |



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| M.Phil MLS<br>Chemical Pathology | Ms. Zara Hussain           | UHS Lahore | Comparison of serum resistin levels in obese and non-obese patients of polycystic ovarian syndrome                                                       | Dr. Sumbla Ghaznavi      | Pending       |
| M.Phil MLS<br>Chemical Pathology | Ms. Anam Qaiser            | UHS Lahore | Comparison of levels of iron, ferritin and aminotransferases in serum and saliva of beta thalassemia major patients                                      | Dr. Sumbla Ghaznavi      | Pending       |
| M.Phil MLS<br>Haemototechnology  | Mr. Ghulam Mustafa         | UHS Lahore | Single nucleotide polymorphism of P2RY12 and CYP3A5 genes in clopidogrel resistant ischemic heart disease patients                                       | Dr. Shahida Mohsin       | Approved      |
| M.Phil MLS<br>Haemototechnology  | Mr. Ghulam Mustafa         | UHS Lahore | Diagnostic validity of immunochromatographic strip technique for screening of alpha thalassemia taking PCR as a gold standard test                       | Dr. Shahida Mohsin       | Approved      |
| M.Phil MLS<br>Haemototechnology  | Mr. Muhammad Asghar        | UHS Lahore | Comparison of Activated Partial Thromboplastin Time and Anti-Factor Xa Assay in Patients on Unfractionated Heparin Therapy                               | Dr. Shahida Mohsin       | Approved      |
| M.Phil MLS<br>Haemototechnology  | Mr. Tahir Shah             | UHS Lahore | Haematological changes, lactate dehydrogenase and red blood cells antioxidant enzyme activity during storage of blood                                    | Dr. Shahida Mohsin       | Approved      |
| M.Phil MLS<br>Haemototechnology  | Ms. Rida Fatima            | UHS Lahore | Reticulocyte Haemoglobin content as an accurate measure of Iron status in the evalutaion of iron deficiency anaemia                                      | Dr. Shahida Mohsin       | Approved      |
| M.Phil MLS<br>Haemototechnology  | Ms. Samra Zafar            | UHS Lahore | Evaluation of antierythropoietin antibodies in chronic renal failure patients undergoing hemodialysis                                                    | Dr. Shahida Mohsin       | Approved      |
| M.Phil MLS<br>Haemototechnology  | Ms. Sumaira Khan           | UHS Lahore | Stability of FV, FVII and FVIII in post-thaw plasma units during refrigerated storage for 5 days                                                         | Dr. Shahida Mohsin       | Approved      |
| M.Phil MLS<br>Haemototechnology  | Ms. Sara Dilshad           | UHS Lahore | Comparison of mean platelet volume thrombopoietin levels and A5713G polymorphism in acute coronary syndrome patients and controls                        | Dr. Shahida Mohsin       | Approved      |
| M.Phil MLS<br>Haemototechnology  | Mr. Muhammad Yaqoob Hassan | UHS Lahore | Frequency of inhibitors and homozygous gene(c.3622delt) in patients with type IIIVon villebrand disease                                                  | Dr. Shahida Mohsin       | Approved      |
| M.Phil MLS<br>Haemototechnology  | Ms. Saleha Malik           | UHS Lahore | Pharmacogenetic analysis of PEAR-1 and GUCY1A3 genetic polymorphisms in aspirin-resistant and non-resistant patients with ischemic heart disease         | Mr. Ghulam Mustafa       | Pending       |
| M.Phil MLS<br>Haemototechnology  | Ms. Kashifa Nawab          | UHS Lahore | Mutation analysis of NBN gene in acute lymphoblastic leukemia patients                                                                                   | Dr. Muhammad Asif Naveed | Approved      |
| M.Phil MLS<br>Haemototechnology  | Mr. Usman Ali Shams        | UHS Lahore | Development of artificial intelligence system/artificially intelligent system for automated blood cell classification to assist laboratory professionals | Dr. Muhammad Asif Naveed | Approved      |
| M.Phil MLS<br>Haemototechnology  | Ms. Hijab Aslam            | UHS Lahore | BCL2 and PAX5 DNA methylation status and treatment response in B-Acute lymphoblastic leukemia                                                            | Mr. Ghulam Mustafa       | Approved      |
| M.Phil MLS<br>Haemototechnology  | Mr. Asad Ullah             | UHS Lahore | Red cell phenotyping for common and rare antigens in regular voluntary non remunerated O blood group donors in Lahore, Pakistan                          | Ms. Khansa Qamar         | Approved      |
| M.Phil MLS<br>Histotechnology    | Mr. Ghulam Rasool          | UHS Lahore | Detection of H. Pylori and MLH1 gene expression analysis by polymerase chain reaction in patients of chronic gastritis with and without H. Pylori        | Prof. Abdul Hannan Nagi  | Approved      |
| M.Phil MLS<br>Histotechnology    | Ms. Shabana Nawaz          | UHS Lahore | Comparison of honey and alcoholic fixatives in tissues using different types of stains                                                                   | Prof. Abdul Hannan Nagi  | Approved      |

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| M.Phil MLS Histotechnology | Mr. Raza Abbas           | UHS Lahore | Detection of Mycobacterium tuberculosis in formalin fixed paraffin embedded tissues through ziehl-Neelsen stain and PCR                                     | Prof. Abdul Hannan Nagi         | Pending       |
| M.Phil MLS Histotechnology | Ms. Wajeeha Arooj        | UHS Lahore | Detection of Mycobacterium tuberculosis in patients with lymph node TB by immunohistochemistry and indirect immunofluorescence techniques                   | Prof. Abdul Hannan Nagi         | Pending       |
| M.Phil MLS Histotechnology | Ms. Nida Ali Ahmad       | UHS Lahore | Comparative determination of integrity of DNA in experimental tissues fixed in formalin, universal molecular fixative and honey                             | Dr. Nadia Naseem                | Approved      |
| M.Phil MLS Histotechnology | Ms. Aysha Saeed          | UHS Lahore | Comparative determination of integrity of RNA in experimental tissues fixed in formalin, universal molecular fixative and honey                             | Dr. Nadia Naseem                | Pending       |
| M.Phil MLS Histotechnology | Ms. Asia Jahanzeb        | UHS Lahore | Detection of helicobacter pylori through histochemistry and immunofluorescent staining in biopsies of patients with chronic gastritis                       | Prof. Abdul Hannan Nagi         | Approved      |
| M.Phil MLS Immunology      | Mr. Afzaal Nazir         | UHS Lahore | Analysis of polymorphism of interferon gamma (+874), its gene expression and serum level in patients of Mycobacterium tuberculosis infection                | Dr. Shah Jahan                  | Approved      |
| M.Phil MLS Immunology      | Mr. Asim Tahir           | UHS Lahore | Determination of IL-6 gene polymorphism (-174) gene expression and serum level of IL-6 in the patients of hepatocellular carcinoma                          | Dr. Shah Jahan                  | Pending       |
| M.Phil MLS Immunology      | Mr. Hamdan Hamid         | UHS Lahore | Polymorphism analysis of STAT4 (rs7582694) and IRF5 (rs2280714) genes in systemic lupus erythematosus patients                                              | Dr. Shah Jahan                  | Approved      |
| M.Phil MLS Immunology      | Mr. Muhammad Adil Bashir | UHS Lahore | Polymorphism analysis of TLR7 (rs179008) and TLR9 (rs352140) genes in systemic lupus erythematosus patients                                                 | Dr. Shah Jahan                  | Pending       |
| M.Phil MLS Immunology      | Ms. Almina Ramiz         | UHS Lahore | Determination of Transforming Growth Factor $\beta$ 1 polymorphism at -509 C/T promoter region in HCV patients with and without hepatocellular carcinoma    | Dr. Shah Jahan                  | Approved      |
| M.Phil MLS Immunology      | Ms. Atia Ali Mughal      | UHS Lahore | CD14 gene (C-15T) polymorphism and its surface expression on monocytes in pulmonary tuberculosis patients                                                   | Dr. Nadeem Afzal                | Approved      |
| M.Phil MLS Immunology      | Ms. Hifsa Mobeen         | UHS Lahore | Determination of anti nuclear, anti thyroid, and anti islet cell antibodies in patients of polycystic ovary syndrome and healthy controls                   | Dr. Nadeem Afzal                | Approved      |
| M.Phil MLS Immunology      | Ms. Marwah Minhas        | UHS Lahore | Enumeration of circulating tumour cells in breast cancer patients                                                                                           | Dr. Nadeem Afzal                | Pending       |
| M.Phil MLS Immunology      | Ms. Naila Irum           | UHS Lahore | Determination of toll like receptor-4 gene polymorphism (rs1486791) and gene expression of IFN-6 and TLR-4 in hepatitis C patients                          | Dr. Shah Jahan                  | Pending       |
| M.Phil MLS Immunology      | Ms. Neelam Majeed        | UHS Lahore | Enumeration of CD3-, DC56+, DC16+ and NKG2D+ natural killer cells in breast cancer patients                                                                 | Dr. Nadeem Afzal                | Pending       |
| M.Phil MLS Immunology      | Ms. Zara Sohail          | UHS Lahore | Anti C1q anti dsDNA antibodies in SLE patients with and without lupus nephritis                                                                             | Dr. Nadeem Afzal                | Pending       |
| M.Phil MLS Immunology      | Ms. Amna Parvez          | UHS Lahore | Gene expression analysis of interleukin 18 and its promoter variations at – 607 A>C (rs1946518) and – 137G>C (rs187238) in HCV infected patients            | Dr. Shah Jahan                  | Approved      |
| M.Phil MLS Microbiology    | Mr. Abdul Waheed         | UHS Lahore | Molecular identification of blaSHV and blaOXA genes in Extended Spectrum- $\beta$ -lactamase producing Gram-negative rods                                   | Prof. Maj.Gen. Dr. Abdul Hannan | Approved      |
| M.Phil MLS Microbiology    | Mr. Adeel Ahmad          | UHS Lahore | Antimycobacterial activity of linezolid against MDR/XDR Mycobacterium tuberculosis                                                                          | Dr. Sidrah Saleem               | Approved      |
| M.Phil MLS Microbiology    | Mr. Javid Iqbal          | UHS Lahore | Frequency of TSST and PVL genes in clinical isolates of MRSA by PCR                                                                                         | Prof. Abdul Hannan Nagi         | Approved      |
| M.Phil MLS Microbiology    | Mr. Junaid Akhtar        | UHS Lahore | Molecular identification of blaIMP and blaVIM genes in Metallo- $\beta$ -lactamase producing Gram negative rods                                             | Prof. Maj.Gen. Dr. Abdul Hannan | Approved      |
| M.Phil MLS Microbiology    | Mr. Rao Waqas Akhtar     | UHS Lahore | Frequency of vancomycin-resistant Staphylococcus aureus among clinical isolates of MRSA and molecular detection of vanA and vanB genes                      | Prof. Maj.Gen. Dr. Abdul Hannan | Approved      |
| M.Phil MLS Microbiology    | Mr. Talha Mannan         | UHS Lahore | The role of chemotaxis and motility of Salmonella typhimurium in interactions with Acanthamoeba castellanii (T4 genotype)                                   | Dr. Irfan Ahmad                 | Approved      |
| M.Phil MLS Microbiology    | Ms. Amaila Qaisar        | UHS Lahore | Susceptibility profile of linezolid among clinical isolates of Staphylococcus aureus and detection of cfr gene in linezolid resistant Staphylococcus aureus | Prof. Maj.Gen. Dr. Abdul Hannan | Approved      |
| M.Phil MLS Microbiology    | Ms. Ayesha Ghazal        | UHS Lahore | Antibiotic susceptibility pattern of organisms isolated from gall bladder                                                                                   | Prof. Maj.Gen. Dr. Abdul Hannan | Approved      |

| Degree                                        | Student Name             | Institute   | Research Title                                                                                                                                         | Supervisor                      | Report Status |
|-----------------------------------------------|--------------------------|-------------|--------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------|---------------|
| M.Phil MLS Microbiology                       | Ms. Fizza Mushtaq Ahmad  | UHS Lahore  | Synergism of antibiotics by using efflux inhibitor verapamil against multidrug resistant Mycobacterium tuberculosis isolates                           | Dr. Irfan Ahmad                 | Approved      |
| M.Phil MLS Microbiology                       | Ms. Iqra Tabassum        | UHS Lahore  | Activity of various fractions of saussurea lappa herb against multidrug resistant gram negative rods                                                   | Prof. Maj.Gen. Dr. Abdul Hannan | Pending       |
| M.Phil MLS Microbiology                       | Ms. Madiha Rafique       | UHS Lahore  | Frequency of polymyxin B-resistance and molecular detection of class 1 integrons in polymyxin B resistant Acinetobacter baumanii                       | Prof. Maj.Gen. Dr. Abdul Hannan | Approved      |
| M.Phil MLS Microbiology                       | Ms. Sila Imtiaz          | UHS Lahore  | Role of biofilm formation in mediation of drug resistance in Escherichia coli                                                                          | Dr. Sidrah Saleem               | Pending       |
| M.Phil MLS Microbiology                       | Ms. Syeda Wajhiah Rizvi  | UHS Lahore  | Antifungal activity of honey against dermatophytes                                                                                                     | Prof. Maj.Gen. Dr. Abdul Hannan | Pending       |
| M.Phil MLS Microbiology                       | Ms. Muneeza Anwar        | UHS Lahore  | Phenotypic identification of candida species and molecular expression of candida drug resistance (CDR1) gene in fluconazole resistant Candida albicans | Dr. Sidrah Saleem               | Approved      |
| M.Phil MLS Microbiology                       | Ms. Sahar Imtiaz         | UHS Lahore  | Identification of candida species and relative gene expression of ergosterol (ERG11)gene in fluconazole resistant Candida tropicalis                   | Dr. Sidrah Saleem               | Approved      |
| M.Phil MLS Microbiology                       | Mr. Muhammad Roman       | UHS Lahore  | Identification of candida species and gene expression of (CgCDR1) gene in fluconazole resistant Candida glabrata                                       | Dr. Sidrah Saleem               | Approved      |
| M.Phil MLS Molecular Pathology & Cytogenetics | Mr. Adil Mahmood         | UHS Lahore  | Effect of hyperglycemia on hepatic SODs' mRNAs expression during acute phase reaction                                                                  | Dr. Ghayyor Ahmad               | Pending       |
| M.Phil MLS Molecular Pathology & Cytogenetics | Mr. Hafiz Talha Qayyum   | PGMI Lahore | Molecular cloning and expression of fusion construct of Human Interferon Alpha 2b gene                                                                 | Dr. Nasir Mahmood               | Approved      |
| M.Phil MLS Molecular Pathology & Cytogenetics | Mr. Irfan Ali            | UHS Lahore  | Role of csgD in rdar morphotype development and multi drug resistance in Escherichia coli strains isolated from urinary tract infections               | Dr. Irfan Ahmad                 | Approved      |
| M.Phil MLS Molecular Pathology & Cytogenetics | Mr. Muhammad Arslan Gill | UHS Lahore  | The role of rdar biofilm of salmonella typhimurium in interactions with acanthamoeba castellani (T4 genotype)                                          | Dr. Irfan Ahmad                 | Pending       |
| M.Phil MLS Molecular Pathology & Cytogenetics | Mr. Muhammad Nauman Ali  | UHS Lahore  | Development of modified constructs of human interferon alpha 2B gene and comparison of their expression analysis                                       | Dr. Nasir Mahmood               | Approved      |
| M.Phil MLS Molecular Pathology & Cytogenetics | Mr. Muhammad Umer        | UHS Lahore  | Changes in hepatic Mitoneet gene expression at different time points, during an acute phase reaction in hyperglycemic and normal rats                  | Dr. Ghayyor Ahmad               | Approved      |
| M.Phil MLS Molecular Pathology & Cytogenetics | Mr. Muhammad Wasim       | UHS Lahore  | The role of fimbriae of salmonella typhimurium in interactions with acanthamoeba castellani (T4 genotype)                                              | Dr. Irfan Ahmad                 | Pending       |
| M.Phil MLS Molecular Pathology & Cytogenetics | Mr. Rehmat Younas        | UHS Lahore  | csgD promoter analysis in Escherichia coli strains isolated from urinary tract infections                                                              | Dr. Irfan Ahmad                 | Approved      |
| M.Phil MLS Molecular Pathology & Cytogenetics | Mr. Syed Rizwan Ali      | UHS Lahore  | Analysis of TNF alpha gene promoter polymorphisms in patients with Dengue fever                                                                        | Dr. Shagufta Khaliq             | Approved      |

| Degree                                           | Student Name         | Institute  | Research Title                                                                                                                                  | Supervisor          | Report Status |
|--------------------------------------------------|----------------------|------------|-------------------------------------------------------------------------------------------------------------------------------------------------|---------------------|---------------|
| M.Phil MLS<br>Molecular Pathology & Cytogenetics | Ms. Ayesha Afzal     | UHS Lahore | Association of osteopontin promoter SNP (T-593A) with the risk of developing calcium oxalate urolithiasis                                       | Dr. Shagufta Khaliq | Approved      |
| M.Phil MLS<br>Molecular Pathology & Cytogenetics | Ms. Hira Iqbal       | UHS Lahore | Expression analysis of N-Teminal modified fusion constructs of human interferon alpha 2b gene                                                   | Dr. Nasir Mahmood   | Pending       |
| M.Phil MLS<br>Molecular Pathology & Cytogenetics | Ms. Humaira Najma    | UHS Lahore | Association of osteopontin promoter polymorphism-156delG with the risk of developing urolithiasis                                               | Dr. Shagufta Khaliq | Pending       |
| M.Phil MLS<br>Molecular Pathology & Cytogenetics | Ms. Iram Shahnaz     | UHS Lahore | Cloning, sequencing and expression of human granulocyte colony stimulating factors (hGCSF) gene                                                 | Dr. Nasir Mahmood   | Pending       |
| M.Phil MLS<br>Molecular Pathology & Cytogenetics | Ms. Ishrat Yaseen    | UHS Lahore | Dopamine receptor D2 gene polymorphism rs2005313, rs4274224, and rs4938019 in patients with schizophrenia                                       | Dr. Saqib Mahmood   | Approved      |
| M.Phil MLS<br>Molecular Pathology & Cytogenetics | Ms. Madiha Shakoore  | UHS Lahore | Identification of disease causing genes in families with congenital nephrotic syndrome using linkage analysis                                   | Dr. Shagufta Khaliq | Approved      |
| M.Phil MLS<br>Molecular Pathology & Cytogenetics | Ms. Maryam Zafar     | UHS Lahore | Angiotensin-converting enzyme intron 16 insertion/deletion and angiotensin II type 1 receptor A1166C gene polymorphisms in pre-eclampsia        | Dr. Saqib Mahmood   | Approved      |
| M.Phil MLS<br>Molecular Pathology & Cytogenetics | Ms. Osheen Sajjad    | UHS Lahore | Neureglin 3 gene intronic polymorphisms rs10883866, rs6584400, rs1937970 and rs677221 in patients with schizophrenia                            | Dr. Saqib Mahmood   | Approved      |
| M.Phil MLS<br>Molecular Pathology & Cytogenetics | Ms. Shamila Habib    | UHS Lahore | Angiotensinogen gene Met235Thr and Thr174Met polymorphisms in patients with pre-eclampsia                                                       | Dr. Saqib Mahmood   | Approved      |
| M.Phil MLS<br>Molecular Pathology & Cytogenetics | Ms. Syeda Faiza      | UHS Lahore | Circulating chemokine levels in colorectal cancer patients and healthy population                                                               | Dr. Asim Pervaiz    | Approved      |
| M.Phil MLS<br>Molecular Pathology & Cytogenetics | Ms. Sobia Javeed     | UHS Lahore | Effects of CCR5 and CXCR4 blockages on cell survival expression levels of apoptosis related genes (FAS, FASL) in hepatocellular carcinoma cells | Dr. Saqib Mahmood   | Approved      |
| M.Phil MLS<br>Molecular Pathology & Cytogenetics | Mr. Muhammad Masood  | UHS Lahore | Effect of Synthetic ALKYL-phospholipids on survival and cell cycle relevant genes (CCNA1, CCNA2, CCND1) of hepatocellular carcinoma cells       | Dr. Asim Pervaiz    | Approved      |
| M.Phil MLS<br>Molecular Pathology & Cytogenetics | Ms. Gulfishan Zameer | UHS Lahore | Expression of CHEK2, MSH6 and MCM3 genes in different categories of cervical lesions                                                            | Prof. Nadia Naseem  | Approved      |

| Degree                                                 | Student Name                 | Institute   | Research Title                                                                                                                                   | Supervisor                     | Report Status |
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| M.Phil MLS<br>Molecular<br>Pathology &<br>Cytogenetics | Ms. Umm-e-Ammarah<br>Mehak   | UHS Lahore  | Anticancer effects of a silk worm protein (sericin) in liver and lung cancer cell lines                                                          | Dr. Asim Pervaiz               | Approved      |
| M.Phil MLS<br>Molecular<br>Pathology &<br>Cytogenetics | Ms. Aamna Amjad              | UHS Lahore  | Association of BMP4, MTR and MTHFR polymorphisms in non-syndromic cleft lip and cleft palate patients                                            | Prof. Dr. Saqib Mahmood        | Approved      |
| M.Phil Morbid<br>Anatomy &<br>Histopathology           | Dr. Abdul Rehman<br>Qaisrani | PGMI Lahore | Evaluation of KI67/MIB-1 index in grading of astrocytoma                                                                                         | Dr. Saeed Akhtar Khan          | Approved      |
| M.Phil Morbid<br>Anatomy &<br>Histopathology           | Dr. Afra Samad               | PGMI Lahore | Morphological study of sodium tungstate effects on liver and kidney of streptozotocin induced diabetic rabbits                                   | Prof. Dr. Muhammad Tayyib      | Approved      |
| M.Phil Morbid<br>Anatomy &<br>Histopathology           | Dr. Aliya Muzaffar           | PGMI Lahore | A Study of Galectin 3 on fine needle aspirates as a diagnostic marker differntiating bengn from malignant thyroid neoplasms                      | Dr. Saeed Akhtar Khan          | Approved      |
| M.Phil Morbid<br>Anatomy &<br>Histopathology           | Dr. Ameer Alam               | PGMI Lahore | Frequency of eosinophils and mast cells in patients with non-ulcer dyspepsia                                                                     | Prof. Dr. Rakhshindah Bajwa    | Pending       |
| M.Phil Morbid<br>Anatomy &<br>Histopathology           | Dr. Ateeq-ur-<br>Rahman      | PGMI Lahore | Role of testicular FNAC in evaluation of spermatogenesis in azoospermic males                                                                    | Prof. Dr. Rakhshindah Bajwa    | Approved      |
| M.Phil Morbid<br>Anatomy &<br>Histopathology           | Dr. Atika Masood             | UHS Lahore  | Morphology of IGA & Henoch-Schönlein nephropathies-the role of immunofluorescence & iNOS                                                         | Prof. Abdul Hannan Nagi        | Approved      |
| M.Phil Morbid<br>Anatomy &<br>Histopathology           | Dr. Ayesha Haider            | PGMI Lahore | Frequency of liver diseases on autopsy in cases of death after trauma                                                                            | Prof. Abdul Hannan Nagi        | Approved      |
| M.Phil Morbid<br>Anatomy &<br>Histopathology           | Dr. Ayesha Imtiaz<br>Malik   | PGMI Lahore | Oestrogen receptor – beta expression in different histopathological grades of urotherlial tumours                                                | Dr. Saeed Akhtar Khan          | Approved      |
| M.Phil Morbid<br>Anatomy &<br>Histopathology           | Dr. Ayesha Suleman           | UHS Lahore  | Immunohistochemistry of H.pylori charsvterization of its different serological strains and histological grading of chronic gastritis             | Prof. Abdul Hannan Nagi        | Pending       |
| M.Phil Morbid<br>Anatomy &<br>Histopathology           | Dr. Bushra Nisar             | PGMI Lahore | Expression of P63 protein in benign prostatic hyperplasia and carcinoma of the prostate                                                          | Dr. Rozina Jaffar              | Approved      |
| M.Phil Morbid<br>Anatomy &<br>Histopathology           | Dr. Ehsan Ullah              | UHS Lahore  | Correlation of mast cell and microvascular density in carcinoma of lung                                                                          | Prof. Abdul Hannan Nagi        | Approved      |
| M.Phil Morbid<br>Anatomy &<br>Histopathology           | Dr. Faiz Ahmad               | PGMI Lahore | Correlation between Mycobacterium Tuberculosis positivity and tumor necrosis factor Alpha expression in patients with tuberculous lymphadenitis  | Dr. Saeed Akhtar Khan          | Approved      |
| M.Phil Morbid<br>Anatomy &<br>Histopathology           | Dr. Fakeha Rehman            | UHS Lahore  | Immunihistochemical expression and correlation of mammaglobin and estrogen status with Scarf-Bloom Richardson grading system of breast carcinoma | Prof. Dr. Ghulam Rasul Qureshi | Approved      |
| M.Phil Morbid<br>Anatomy &<br>Histopathology           | Dr. Fakhar Abbas             | AIMC Lahore | Diagnostic accuracy of Bethesda system of reporting thyroid cytology and its histological correlation                                            | Prof. Noshin Wasim Yusuf       | Pending       |

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|----------------------------------------|----------------------------|-------------|--------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------|---------------|
| M.Phil Morbid Anatomy & Histopathology | Dr. Farwa Batool Shamsi    | UHS Lahore  | Immunohistochemical expression of MMP-1, ER/PR and HER2/neu in primary breast carcinomas and its association with histological grading           | Prof. Abdul Hannan Nagi        | Approved      |
| M.Phil Morbid Anatomy & Histopathology | Dr. Fatima Rashid          | UHS Lahore  | Morphological patterns of systemic lupus erythematosus associated renal disease                                                                  | Prof. Abdul Hannan Nagi        | Approved      |
| M.Phil Morbid Anatomy & Histopathology | Dr. Haafizah Azka Iqbal    | UHS Lahore  | Immunohistochemical Expression of interleukin-30 in prostate cancer                                                                              | Prof. Abdul Hannan Nagi        | Approved      |
| M.Phil Morbid Anatomy & Histopathology | Dr. Hadia Rafique          | UHS Lahore  | Detection of DNA Mismatch Repair System in carcinoma of Breast                                                                                   | Prof. Abdul Hannan Nagi        | Approved      |
| M.Phil Morbid Anatomy & Histopathology | Dr. Hafsa Riasat           | UHS Lahore  | Antigenic diversity of H. pylori strains and their association with morphological changes in stomach and duodenum                                | Prof. Abdul Hannan Nagi        | Pending       |
| M.Phil Morbid Anatomy & Histopathology | Dr. Hira Kareem            | UHS Lahore  | Effects of Copper preparations on kidneys of Albino rats                                                                                         | Prof. Abdul Hannan Nagi        | Approved      |
| M.Phil Morbid Anatomy & Histopathology | Dr. Ibn-e-Hassan           | PGMI Lahore | Expression of PDGFR- $\beta$ in various grades of prostatic carcinoma                                                                            | Prof. Dr. Rakhshindah Bajwa    | Approved      |
| M.Phil Morbid Anatomy & Histopathology | Dr. Iqbal Ahmad            | PGMI Lahore | Diagnostic role of p63 immunostaining in fine-needle aspiration cytology smears of breast lumps                                                  | Dr. Ambereen Anwar             | Approved      |
| M.Phil Morbid Anatomy & Histopathology | Dr. Iram Asrar             | UHS Lahore  | Immunohistochemical Expression and association of GATA3 with ER status and nottingham grading system of breast carcinoma                         | Prof. Abdul Hannan Nagi        | Approved      |
| M.Phil Morbid Anatomy & Histopathology | Dr. Kanwar Sajid Ali       | PGMI Lahore | Expression of estrogen and progesterone receptors in meningiomas                                                                                 | Dr. Muhammad Eyyaz Khaleel     | Approved      |
| M.Phil Morbid Anatomy & Histopathology | Dr. Khalid Rasool          | PGMI Lahore | Doxorubicin induced Morphological changes in the cells of Mammary carcinoma                                                                      | Prof. Dr. Muhammad Tayyib      | Approved      |
| M.Phil Morbid Anatomy & Histopathology | Dr. Khalida Ahtesham       | PGMI Lahore | Argyrophilic nucleolar organizer regions (AgNORs) estrogen receptor staining in carcinoma of breast and its correlation with histological grades | Dr. Saeed Akhtar Khan          | Approved      |
| M.Phil Morbid Anatomy & Histopathology | Dr. Maheen Maruf           | UHS Lahore  | Comparison of ER $\beta$ 1 expression in benign prostatic hyperplasia and prostate adenocarcinoma                                                | Dr. Ihtesham Ud Din Qureshi    | Approved      |
| M.Phil Morbid Anatomy & Histopathology | Dr. Mehvish Hussain        | UHS Lahore  | Correlation of estrogen receptor status with the expression of Ki-67 in carcinoma of the breast                                                  | Prof. Dr. Ghulam Rasul Qureshi | Approved      |
| M.Phil Morbid Anatomy & Histopathology | Dr. Mishal Sikandar        | UHS Lahore  | Hirschsprung's disease and role of calretinin in rectal biopsies                                                                                 | Prof. Abdul Hannan Nagi        | Pending       |
| M.Phil Morbid Anatomy & Histopathology | Dr. Muhammad Akram Waqar   | PGMI Lahore | Comparison of cervical lymph nodes imprint cytology and agnor count                                                                              | Dr. Naheed Ahmed Chaudhry      | Approved      |
| M.Phil Morbid Anatomy & Histopathology | Dr. Muhammad Irfan Basheer | UHS Lahore  | Expression of isocitrate dehydrogenase 1 and internexin alpha in gliomas                                                                         | Prof. Dr. Muniza Saeed         | Pending       |



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| M.Phil Morbid Anatomy & Histopathology | Dr. Muhammad Kashif Sarfraz   | UHS Lahore  | Expression of HER2/neu in different grades of urothelial carcinoma of urinary bladder                                                           | Dr. Ambereen Anwar          | Approved      |
| M.Phil Morbid Anatomy & Histopathology | Dr. Muhammad Khalil-ur-Rehman | PGMI Lahore | Validation of estrogen and progesterone receptors on fine needle aspiration cytology smears against tissue sections in carcinoma of the breast  | Dr. Saeed Akhtar Khan       | Approved      |
| M.Phil Morbid Anatomy & Histopathology | Dr. Muhammad Rashid           | UHS Lahore  | Protective effects of ginger and luteolin in alcohol induced steatotic liver of rats                                                            | Prof. Abdul Hannan Nagi     | Approved      |
| M.Phil Morbid Anatomy & Histopathology | Dr. Muhammad Rizwan Rasheed   | PGMI Lahore | Expression of cyclin D1 in different variants of renal cell carcinoma and its association with Fuhrman's nuclear grading                        | Prof. Dr. Rakhshindah Bajwa | Approved      |
| M.Phil Morbid Anatomy & Histopathology | Dr. Muhammad Rizwan Rasool    | UHS Lahore  | Lead kushta induced morphological changes in kidney of rats                                                                                     | Dr. Muhammad Rizwan Rasool  | Approved      |
| M.Phil Morbid Anatomy & Histopathology | Dr. Muhammad Saqib Munir      | PGMI Lahore | Histopathological evaluation of oesophageal biopsies in correlation with clinical symptoms                                                      | Dr. Muhammad Eyyaz Khaleel  | Pending       |
| M.Phil Morbid Anatomy & Histopathology | Dr. Muhammad Suleman Khan     | PGMI Lahore | Evalation of the nucleoar organizer region associated proteins in exfoliative cytology of buccal Mucosa of Somkers & Non Smokers                | Prof. Dr. Muhammad Tayyib   | Approved      |
| M.Phil Morbid Anatomy & Histopathology | Dr. Muhammad Tariq            | PGMI Lahore | Immunoexpression of Cytokeratin 20 and Cytokeratin 7 in colorectal adenocarcinoma in association to histological grade                          | Dr. Muhammad Eyyaz Khaleel  | Approved      |
| M.Phil Morbid Anatomy & Histopathology | Dr. Muhammad Usman Shams      | UHS Lahore  | Expressionof p63and S100A6 in the differentiation of keratinocytic tumours of skin                                                              | Prof. Abdul Hannan Nagi     | Approved      |
| M.Phil Morbid Anatomy & Histopathology | Dr. Muhammad Zain Mehdi       | UHS Lahore  | Expression of Mini Chromosome Maintenance 2 and Ki 67 as proliferation markers in renal cell carcinoma                                          | Prof. Abdul Hannan Nagi     | Approved      |
| M.Phil Morbid Anatomy & Histopathology | Dr. Mujahid Habib             | PGMI Lahore | Relative quantification of Intercellular Adhesion Molecule-1 (ICAM-1) and Vascular Endothelial Growth Factor-c (VEGF-c) in colorectal carcinoma | Prof. Dr. Rakhshindah Bajwa | Approved      |
| M.Phil Morbid Anatomy & Histopathology | Dr. Munazza Choudary          | UHS Lahore  | Morphology of Hepatitis C virus associated nephropathy and expression of anti HCV-NS3                                                           | Prof. Abdul Hannan Nagi     | Approved      |
| M.Phil Morbid Anatomy & Histopathology | Dr. Muneeza Khalid            | UHS Lahore  | Morphological study of round blue cell tumours of childhood                                                                                     | Prof. Abdul Hannan Nagi     | Approved      |
| M.Phil Morbid Anatomy & Histopathology | Dr. Nadia Salam               | PGMI Lahore | Comparison of AgNOR and Ki67 labelling index in adenocarcinoma of prostate gland                                                                | Dr. Saeed Akhtar Khan       | Approved      |
| M.Phil Morbid Anatomy & Histopathology | Dr. Naimat Ullah Khan         | PGMI Lahore | A study of morphological effects of sodium tungstage on pancreatic beta cells in streptozotocine                                                | Prof. Dr. Muhammad Tayyib   | Approved      |
| M.Phil Morbid Anatomy & Histopathology | Dr. Nasim Aslam Ghumman       | UHS Lahore  | Effects of cadmium chloride on kidneys of albino mice                                                                                           | Prof. Abdul Hannan Nagi     | Approved      |
| M.Phil Morbid Anatomy & Histopathology | Dr. Nausheen Henna            | UHS Lahore  | Morphology of clinically presenting hirschsprung's disease in colorectal biopsies                                                               | Prof. Abdul Hannan Nagi     | Approved      |

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| M.Phil Morbid Anatomy & Histopathology | Dr. Nosheen Khurram        | AIMC Lahore   | Diagnostic accuracy of a limited immuno-panel of Calretinin and Ber-EP4 for diagnosis of malignant effusions                | Prof. Noshin Wasim Yusuf          | Approved      |
| M.Phil Morbid Anatomy & Histopathology | Dr. Nushmia Baig           | UHS Lahore    | Expression of TAMs and M2 macrophages in different histological grades of breast carcinoma                                  | Prof. Abdul Hannan Nagi           | Approved      |
| M.Phil Morbid Anatomy & Histopathology | Dr. Qudsia Sultan          | PGMI Lahore   | Role of P16INK4A in ASCUS and LSIL triage                                                                                   | Prof. Dr. Rakhshindah Bajwa       | Approved      |
| M.Phil Morbid Anatomy & Histopathology | Dr. Qurat-ul-ain Javaid    | UHS Lahore    | Immunohistochemical detection of Minichromosome maintenance-2 and Ki 67 protein as a prognostic factor in Wilm's tumour     | Prof. Abdul Hannan Nagi           | Approved      |
| M.Phil Morbid Anatomy & Histopathology | Dr. Raees Abbas            | UHS Lahore    | Smoking related interstitial fibrosis and interstitial lung disease: An autopsy study                                       | Prof. Abdul Hannan Nagi           | Approved      |
| M.Phil Morbid Anatomy & Histopathology | Dr. Rahat Kalsoom          | PGMI Lahore   | A study of P57kip2 expression and morphological findings of complete and partial hydatidiform moles                         | Dr. Saeed Akhtar Khan             | Approved      |
| M.Phil Morbid Anatomy & Histopathology | Dr. Saadia Khan            | TCHICH Lahore | Correlation of anti tissue transglutaminase antibody titer with severity of celiac disease                                  | Dr. Ghazala Hanif                 | Approved      |
| M.Phil Morbid Anatomy & Histopathology | Dr. Saadia Raza            | UHS Lahore    | Morphological changes in liver and kidney of rodents induced by indigenous preparations of Gold                             | Prof. Abdul Hannan Nagi           | Approved      |
| M.Phil Morbid Anatomy & Histopathology | Dr. Sadaf Shafique         | UHS Lahore    | Changes due to Arsenic kushta on kidney and testes of wistar rats                                                           | Prof. Abdul Hannan Nagi           | Approved      |
| M.Phil Morbid Anatomy & Histopathology | Dr. Sadia Anwar            | UHS Lahore    | Expression of HER-2/neu and its correlation with the histological grading of colorectal carcinoma                           | Prof. Dr. Ghulam Rasul Qureshi    | Approved      |
| M.Phil Morbid Anatomy & Histopathology | Dr. Sadia Sharif           | PGMI Lahore   | Morphological and cytomorphometric analysis of buccal mucosal cells in type 2 diabetic patients                             | Dr. Saeed Akhtar Khan             | Approved      |
| M.Phil Morbid Anatomy & Histopathology | Dr. Sakina Jamil           | UHS Lahore    | Mercury kushta induced morphological changes in liver and kidney of rats                                                    | Prof. Abdul Hannan Nagi           | Approved      |
| M.Phil Morbid Anatomy & Histopathology | Dr. Samina Iqbal           | UHS Lahore    | DNA mismatch repair antigen (MLH1, MSH2, MSH6, PMS2) expression in prostate adenocarcinoma                                  | Prof. Abdul Hannan Nagi           | Pending       |
| M.Phil Morbid Anatomy & Histopathology | Dr. Sana Tariq             | PGMI Lahore   | Expression of C4d in different grades of astrocytomas                                                                       | Prof. Dr. Ihtesham ud din Qureshi | Approved      |
| M.Phil Morbid Anatomy & Histopathology | Dr. Seema Butt             | UHS Lahore    | Expression of Bcl-2 oncoprotein in uterine leiomyoma as an apoptosis inhibitor                                              | Prof. Dr. Ghulam Rasul Qureshi    | Approved      |
| M.Phil Morbid Anatomy & Histopathology | Dr. Shah Nawaz Gul         | PGMI Lahore   | Comparison of AGNOR pattern in different grades of carcinoma of the breast                                                  | Dr. Saeed Akhtar Khan             | Approved      |
| M.Phil Morbid Anatomy & Histopathology | Dr. Shahzada Khalid Sohail | AIMC Lahore   | A comparative study of ALLRED and ASCO scoring system for estrogen and progesterone receptors reporting in breast carcinoma | Prof. Noshin Wasim Yusuf          | Pending       |



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| M.Phil Morbid Anatomy & Histopathology | Dr. Shair Afgan     | PGMI Lahore   | Expression of survivin in breast carcinoma and its association with histological grading                                                                          | Prof. Dr. Fozia Farzana           | Approved      |
| M.Phil Morbid Anatomy & Histopathology | Dr. Shirin Aamir    | PGMI Lahore   | Over expression of HER2/neu in gastric carcinoma and its correlation with histologic subtypes                                                                     | Prof. Dr. Ihtesham ud din Qureshi | Approved      |
| M.Phil Morbid Anatomy & Histopathology | Dr. Sidra Ghazanfer | UHS Lahore    | Immunohistochemical expression of HER2/neu and MUCI in breast carcinoma and its correlation with morphological grades                                             | Prof. Rozina Jaffar               | Approved      |
| M.Phil Morbid Anatomy & Histopathology | Dr. Sobia Khalid    | UHS Lahore    | Expression of NGAL in class I-V lupus nephritis using immunohistochemical and immunofluorescent techniques                                                        | Prof. Abdul Hannan Nagi           | Approved      |
| M.Phil Morbid Anatomy & Histopathology | Dr. Sumera Qazi     | UHS Lahore    | Morphology of benign proliferative breast lesions in the mastectomy specimens                                                                                     | Prof. Abdul Hannan Nagi           | Approved      |
| M.Phil Morbid Anatomy & Histopathology | Dr. Tahira Liaquat  | PGMI Lahore   | Frequency of Helicobacter pylori in oesophageal mucosa of dyspeptic patients and its association with histopathological changes                                   | Dr. Muhammad Eyyaz Khaleel        | Approved      |
| M.Phil Morbid Anatomy & Histopathology | Dr. Tahira Tabassum | PGMI Lahore   | Immunohistochemical expression of alpha methylacyl – CoA racemase in hyperplasia and carcinoma of the prostate                                                    | Dr. Saeed Akhtar Khan             | Approved      |
| M.Phil Morbid Anatomy & Histopathology | Dr. Tanveer Mustafa | PGMI Lahore   | Role of p63 immunostaining in the differential diagnosis of breast lesions                                                                                        | Dr. Saeed Akhtar Khan             | Approved      |
| M.Phil Morbid Anatomy & Histopathology | Dr. Tanya Dogar     | PGMI Lahore   | Immunohistochemical analysis of Helicobacter pylori with associated morphological changes in gastric biopsies                                                     | Dr. Saeed Akhtar Khan             | Approved      |
| M.Phil Morbid Anatomy & Histopathology | Dr. Umer Farooq     | PGMI Lahore   | PTEN expression in normal, hyperplastic and neoplastic endometrial biopsies                                                                                       | Prof. Dr. Rakhshindah Bajwa       | Approved      |
| M.Phil Morbid Anatomy & Histopathology | Dr. Uzma Nabi       | UHS Lahore    | Study of Ki-67 labeling index with grading and staging of colorectal carcinoma                                                                                    | Prof. Dr. Ghulam Rasul Qureshi    | Approved      |
| M.Phil Morbid Anatomy & Histopathology | Dr. Zahra Batool    | PGMI Lahore   | A morphological study of P53 mutated gene and Bcl-2 proto-oncogene in epidermal skin tunours                                                                      | Prof. Abdul Hannan Nagi           | Approved      |
| M.Phil Morbid Anatomy & Histopathology | Dr. Zakia Wahid     | PGMI Lahore   | Expression of p53 protein in carcinoma of the prostate and its correlation with Gleason score                                                                     | Dr. Saeed Akhtar Khan             | Approved      |
| M.Phil Morbid Anatomy & Histopathology | Dr. Zartasha Anjum  | PGMI Lahore   | Expression of 3-hydroxy-3-methylglutaryl-coenzyme A Reductase in Primary Breast Carcinoma and its Association with Estrogen Receptor/Progesterone Receptor Status | Prof. Dr. Rakhshindah Bajwa       | Approved      |
| M.Phil Morbid Anatomy & Histopathology | Dr. Zubaria Rafique | PGMI Lahore   | Expression of MMP 7 in human intervertebral disc degneration                                                                                                      | Prof. Dr. Rakhshindah Bajwa       | Approved      |
| M.Phil Morbid Anatomy & Histopathology | Dr. Zunaira Basit   | TCHICH Lahore | Morphology and role of needle biopsy of liver in biliary atresia                                                                                                  | Dr. Ghazala Hanif                 | Approved      |
| M.Phil Morbid Anatomy & Histopathology | Dr.Tayyaba Javed    | PGMI Lahore   | Expression of estrogen and progesterone receptors in breast carcinoma and its correlation with p53                                                                | Dr. Rozina Jaffar                 | Approved      |

| Degree                                 | Student Name                 | Institute     | Research Title                                                                                                                                                                                   | Supervisor                        | Report Status |
|----------------------------------------|------------------------------|---------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------|---------------|
| M.Phil Morbid Anatomy & Histopathology | Syeda Farheen Fatima         | UHS Lahore    | Association of histological grading with the alterations in mucin expression and cellular infiltrates in colorectal carcinoma                                                                    | Prof. Abdul Hannan Nagi           | Approved      |
| M.Phil Morbid Anatomy & Histopathology | Dr. Saad Maroof Saeed        | UHS Lahore    | Evaluation of CD3 immunostaining in endoscopic biopsies of duodenum for celiac disease                                                                                                           | Prof. Dr. Ihtesham ud din Qureshi | Approved      |
| M.Phil Morbid Anatomy & Histopathology | Dr. Asma Umar                | UHS Lahore    | Frequency of expression of HER-2 by immunohistochemistry in prostatic adenocarcinoma                                                                                                             | Dr. Muhammad Munir Ahmad          | Approved      |
| M.Phil Morbid Anatomy & Histopathology | Dr. Ammara Anwar             | PGMI Lahore   | Immunohistochemical expression of beta human chorionic gonadotrophin (B-hCG) in different grades of human papillary urothelial neoplasms                                                         | Dr. Munazza Hasan                 | Approved      |
| M.Phil Morbid Anatomy & Histopathology | Dr. Zunaira Qayyum           | PGMI Lahore   | Immunohistochemical expression of PTEN, estrogen receptor (ER) and progesterone receptor (PR) in different histological grades of breast carcinoma in local population                           | Dr. Munazza Hasan                 | Approved      |
| M.Phil Morbid Anatomy & Histopathology | Dr. Anum Shahid              | TCHICH Lahore | Role of liver biopsy in diagnosis of pediatric non neoplastic liver diseases at a tertiary care hospital                                                                                         | Prof. Ghazala Hanif               | Approved      |
| M.Phil Morbid Anatomy & Histopathology | Dr. Sadaf Zahid              | PGMI Lahore   | Expression of phospholipase A2 receptor in membranous glomerulopathy                                                                                                                             | Dr. Munazza Hasan                 | Approved      |
| M.Phil Morbid Anatomy & Histopathology | Dr. Umber Irshad Butt        | PGMI Lahore   | Immunohistochemical expression of thymidylate synthase in different grades and pathological stages of colorectal carcinoma                                                                       | Dr. Munazza Hasan                 | Approved      |
| M.Phil Morbid Anatomy & Histopathology | Dr. Junaid Rashid            | PGMI Lahore   | Correlation of cyclin D1 expression with Gleason scoring in prostatic adenocarcinoma                                                                                                             | Dr. Munazza Hasan                 | Approved      |
| M.Phil Morbid Anatomy & Histopathology | Dr. Mr. Muhammad Ahsan Iqbal | UHS Lahore    | Diagnostic utility of manual liquid-based cytology (MLBC) and cell block preparation in fine needle aspiration (FNAC) specimens                                                                  | Prof. Dr. A. H. Nagi              | Pending       |
| M.Phil Morbid Anatomy & Histopathology | Dr. Faiza Bashir             | PGMI Lahore   | Comparison of immunohistochemical expression of integrin beta 1 in leiomyomas and normal myometrium                                                                                              | Dr. Munazza Hasan                 | Pending       |
| M.Phil Morbid Anatomy & Histopathology | Dr. Sidra Javed              | FPGMI Lahore  | Immunohistochemical expression of HER-2/NEU and cdx2 in patients presenting with different histological grades and clinicopathological stages of primary colorectal carcinoma                    | Prof. Dr. Aman-ur-Rehman          | Approved      |
| M.Phil Morbid Anatomy & Histopathology | Dr. Iqra Taqi                | FPGMI Lahore  | Frequency of different subclasses of malignant round blue cell tumor using immunohistochemistry                                                                                                  | Prof. Aman-ur-Rehman              | Approved      |
| M.Phil Morbid Anatomy & Histopathology | Dr. Waqas Arshad Mughal      | UHS Lahore    | Immunohistochemical expression of secreted protein acidic and rich in cysteine (SPARC) in biopsies of pateints with primary breast carcinoma of different histologica grades and clinical stages | Prof. Dr. Nadia Naseem            | Pending       |
| M.Phil Morbid Anatomy & Histopathology | Dr. Sidra Munir              | AIMC Lahore   | Expression of smoothelin in the detection of true invasion of detrusor muscle in urinary bladder carcinomas                                                                                      | Prof. Ambereen Anwar              | Approved      |
| M.Phil Morbid Anatomy & Histopathology | Dr. Sobia Idarak             | UHS Lahore    | Classification of cervical cytological changes in local female population presenting with HIV/AIDS                                                                                               | Prof. Dr. Nadia Naseem            | Approved      |
| M.Phil Morbid Anatomy & Histopathology | Dr. Arfa Naeem               | PGMI Lahore   | Expression of progensterone and estrogen receptors in different grades of astrocytoma                                                                                                            | Dr. Munazza Hasan                 | Approved      |

| Degree                                 | Student Name              | Institute    | Research Title                                                                                                                                           | Supervisor               | Report Status |
|----------------------------------------|---------------------------|--------------|----------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------|---------------|
| M.Phil Morbid Anatomy & Histopathology | Dr. Faiqa Naheed          | PGMI Lahore  | Correlation of estrogen and progesterone receptor with KI-67 in different grade of endometrial carcinoma                                                 | Dr. Munazza Hasan        | Pending       |
| M.Phil Morbid Anatomy & Histopathology | Dr. Faiqa Naheed          | PGMI Lahore  | Correlation of immunohistochemical expression of SOX9 with gleason grading and PSA levels in prostate cancer                                             | Dr. Bushra Nisar         | Pending       |
| M.Phil Morbid Anatomy & Histopathology | Dr. Kainat Farrukh        | UHS Lahore   | Cervical cytological changes in relation with herpes simplex virus 1/2 in pregnant females of local population                                           | Prof. Dr. Nadia Naseem   | Approved      |
| M.Phil Morbid Anatomy & Histopathology | Dr. Muntaha Masood        | UHS Lahore   | Epression of isocitrate dehydrogenase-1 in gliomas presenting in local population                                                                        | Prof. Dr. Nadia Naseem   | Approved      |
| M.Phil Morbid Anatomy & Histopathology | Dr. Maham Javed           | UHS Lahore   | Cytological changes in relation with human papilloma virus in patients with oral potentially malignant lessions                                          | Prof. Dr. Nadia Naseem   | Approved      |
| M.Phil Morbid Anatomy & Histopathology | Dr. Shafaq Mahmood        | SZPMI Lahore | Histochemical role of various stains in evaluating tissue eosinophilia in moderately and poorly differentiated squamous cell carcinoma                   | Prof. Dr. Aman-ur-Rehman | Approved      |
| M.Phil Morbid Anatomy & Histopathology | Dr. Rabia Ashraf          | FPGMI Lahore | Comparison of preoperative carcinoembryonic antigen and mucin expression among different grades of colorectal adenocarcinoma using histochemical stains  | Prof. Dr. Aman-ur-Rehman | Pending       |
| M.Phil Morbid Anatomy & Histopathology | Dr. Anum Kabir            | SZPMI Lahore | Impact of an upfront alcian-blue periodic acid Schiff stain on the histopathological diagnosis of gastric intestinal metaplasia                          | Prof. Dr. Aman-ur-Rehman | Pending       |
| M.Phil Morbid Anatomy & Histopathology | Dr. Mamoona Shabbir       | UHS Lahore   | Expression of PAX8 and PAX2 gene products in renal cell carcinoma                                                                                        | Prof. Nadia Naseem       | Approved      |
| M.Phil Morbid Anatomy & Histopathology | Dr. Shameen Fatima Shoaib | UHS Lahore   | Expression of microRNA375 and androgen receptors in benign and malignant prostatic neoplasms in local population                                         | Dr. Maham Akhlaq         | Approved      |
| M.Phil Oral Biology                    | Amna Ahsan                | UHS Lahore   | Comparison of morphological changes in coronal and radicular pulp at 2 MM depth of tooth preparation                                                     | Prof. Dr. Fozia Farzana  | Approved      |
| M.Phil Oral Biology                    | Dr. Abdullah Tariq        | PGMI Lahore  | Comparison of triamcinolone, Allium sativum and honey on oral mucosal wounds in Wistar rats                                                              | Prof. Dr. Fozia Farzana  | Approved      |
| M.Phil Oral Biology                    | Dr. Afsheen Ahmad         | PGMI Lahore  | Histological effect of methotrexate and folinic acid on oral epithelium of albino rats                                                                   | Prof. Dr. Fozia Farzana  | Approved      |
| M.Phil Oral Biology                    | Dr. Amna Amanat           | PGMI Lahore  | Effect of honey on radiation induced oral mucositis in head and neck cancer patients                                                                     | Prof. Dr. Fozia Farzana  | Approved      |
| M.Phil Oral Biology                    | Dr. Asrar Ahmed           | PGMI Lahore  | Morphological changes in dental pulp with different depths of thooth preparation                                                                         | Prof. Dr. Fozia Farzana  | Approved      |
| M.Phil Oral Biology                    | Dr. Ayesha Fahim          | PGMI Lahore  | Effect of carbonated drinks on wound healing of buccal mucosa of albino rats                                                                             | Prof. Dr. Fozia Farzana  | Approved      |
| M.Phil Oral Biology                    | Dr. Bushra Aziz           | PGMI Lahore  | Effect of olive oil on histology of submandibular gland of adult albino rat exposed to triazophos toxicity                                               | Dr. Bushra Aziz          | Approved      |
| M.Phil Oral Biology                    | Dr. Hira Mubashir         | UHS Lahore   | Comparison of salivary aquaporin-5 levels in patients with diabetes mellitus and healthy individuals                                                     | Dr. Sarah Ghafoor        | Approved      |
| M.Phil Oral Biology                    | Dr. Kiran Rasheed         | PGMI Lahore  | Comparative role of cheiloscopy (Lip prints) and rugoscopy (palatine rugae) in personal identification and gender discrimination ( A biometric approcah) | Prof. Dr. Fozia Farzana  | Approved      |
| M.Phil Oral Biology                    | Dr. Madiha Rasheed        | PGMI Lahore  | Effects of Aloe vera gel on wound healing of rat tongue mucosa                                                                                           | Prof. Dr. Fozia Farzana  | Approved      |

| Degree              | Student Name                | Institute   | Research Title                                                                                                                                                                         | Supervisor              | Report Status |
|---------------------|-----------------------------|-------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------|---------------|
| M.Phil Oral Biology | Dr. Maliha Shahbaz          | PGMI Lahore | Modulation of TNF- $\alpha$ level on buccal wound healing of Albino rats through cocoa powder extract                                                                                  | Prof. Dr. Fozia Farzana | Approved      |
| M.Phil Oral Biology | Dr. Mohammad Sharjeel Ilyas | PGMI Lahore | Effects of honey on histology of healing extracted tooth socket in adult albino wistar rats                                                                                            | Prof. Dr. Fozia Farzana | Approved      |
| M.Phil Oral Biology | Dr. Muhammad Azhar          | UHS Lahore  | Comparisons of expressions of Dickkopf-1 and sclerostin genes in normal and ankylosed temporomandibular joints of growing Wistar rats                                                  | Dr. Sarah Ghafoor       | Approved      |
| M.Phil Oral Biology | Dr. Naauman Zaheer          | PGMI Lahore | Effect of Camellia sinensis (green tea) on prevention of nicotine induced changes on buccal mucosa of albino rats                                                                      | Prof. Dr. Fozia Farzana | Approved      |
| M.Phil Oral Biology | Dr. Naseem Akhtar           | PGMI Lahore | Comparison of molecular factors and first tooth eruption time in preterm and fullterm infants”                                                                                         | Prof. Dr. Fozia Farzana | Approved      |
| M.Phil Oral Biology | Dr. Nedal Iqbal             | PGMI Lahore | Effect of curcumin on wound healing in buccal mucosa of rabbits                                                                                                                        | Prof. Dr. Fozia Farzana | Approved      |
| M.Phil Oral Biology | Dr. Noor Ul Huda            | UHS Lahore  | Changes in Sonic hedgehog signaling (Shh) with teratogenic doses of retinoic acid in the developing murine tongue tissue                                                               | Dr. Sarah Ghafoor       | Approved      |
| M.Phil Oral Biology | Dr. Rashid Javaid           | UHS Lahore  | Role of garlic (Allium Sativum) extract on lead induced delayed eruption of incisors of albino wistar rats                                                                             | Prof. Dr. Fozia Farzana | Approved      |
| M.Phil Oral Biology | Dr. Sadaf Alyas             | UHS Lahore  | Human salivary surfactant protein-H level in patients with chronic periodontitis and healthy individuals                                                                               | Dr. Sarah Ghafoor       | Approved      |
| M.Phil Oral Biology | Dr. Sadia Shakeel           | PGMI Lahore | Histological effect of different fluoride gels on buccal mucosa of albino rats                                                                                                         | Prof. Dr. Fozia Farzana | Approved      |
| M.Phil Oral Biology | Dr. Safi Ullah Khan         | UHS Lahore  | Salivary irisin level and its expression in patients with chronic periodontitis and healthy individuals                                                                                | Dr. Sarah Ghafoor       | Approved      |
| M.Phil Oral Biology | Dr. Sana Chaudhry           | PGMI Lahore | Effect of Eugenia jambolana extract on induced gingivitis in albino rats                                                                                                               | Prof. Dr. Fozia Farzana | Approved      |
| M.Phil Oral Biology | Dr. Shaher Bano             | UHS Lahore  | Effect of thyroid hormone on expression of transforming growth factor-alpha of rat submandibular salivary glands                                                                       | Dr. Sarah Ghafoor       | Approved      |
| M.Phil Oral Biology | Dr. Shazia Gul              | PGMI Lahore | Effect of propolis gel in prevention of dry socket after extraction of mandibular molar teeth                                                                                          | Prof. Dr. Fozia Farzana | Approved      |
| M.Phil Oral Biology | Dr. Syeda Aqsa Batool       | PGMI Lahore | Analysis of cytotoxic effects in buccal mucosa exposed to panoramic radiography                                                                                                        | Prof. Dr. Fozia Farzana | Approved      |
| M.Phil Oral Biology | Dr. Ghazala Hassan          | UHS Lahore  | Comparison of salivary interleukin-1 $\beta$ and matrix metalloproteinase-8 levels in individuals with chronic periodontitis before and after treatment with kalonji oil               | Dr. Sarah Ghafoor       | Approved      |
| M.Phil Oral Biology | Dr. Maria Khan              | UHS Lahore  | Bone regeneration in a critical size defect using novel bioactive glass fiber scaffold in a rat model                                                                                  | Dr. Sarah Ghafoor       | Approved      |
| M.Phil Oral Biology | Dr. Maruf Chistopher        | PGMI Lahore | Effect of topical phenytoin on wound of extraction sockets in albino wistar rats                                                                                                       | Prof. Dr. Fozia Farzana | Approved      |
| M.Phil Oral Biology | Dr. Muhammad Abdul Muqet    | PGMI Lahore | Morphological effects of Nigella Sative on ribavirin induced submandibular gland cytotoxicity in adult albino rats                                                                     | Prof. Fozia Farzana     | Pending       |
| M.Phil Oral Biology | Dr. Talaya Zahid            | UHS Lahore  | Comparison of histological features and microbiological activity of commiphora wightii-based gel and extract with controls in treatment of alveolar osteitis                           | Dr. Sarah Ghafoor       | Approved      |
| M.Phil Oral Biology | Dr. Hina Nasim              | UHS Lahore  | Salivary aquaporin-5 level in type-1 diabetes mellitus patients with exeresstomia                                                                                                      | Dr. Sarah Ghafoor       | Approved      |
| M.Phil Oral Biology | Dr. Iqra Ejaz               | UHS Lahore  | Comparison of histological changes and glycogen synthase kinase-3 $\beta$ (GSK-3 $\beta$ ) expression in rat model of oral submucous fibrosis (OSMF) with and without mucoadhesive gel | Dr. Sarah Ghafoor       | Approved      |
| M.Phil Oral Biology | Dr. Humaira Batool          | PGMI Lahore | Comparison between two mouth washes in the prevention and management of oral mucositis during radiotherapy of head and neck cancer patients                                            | Prof. Fozia Farzana     | Approved      |
| M.Phil Oral Biology | Dr. Naima Jabeen            | UHS Lahore  | Comparison of the salivary surfactant proteint- G levels in patients with chronic periodontitis                                                                                        | Dr. Sarah Ghafoor       | Approved      |
| M.Phil Oral Biology | Dr. Iqra Amin               | PGMI Lahore | Salivary calprotectin level with and without application of oral curcuma gel after scaling in patients of periodontitis                                                                | Prof. Fozia Farzana     | Approved      |

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|-----------------------|-----------------------------|-----------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------|---------------|
| M.Phil Oral Biology   | Dr. Sara Ali                | UHS Lahore      | Comparison of serum interleukin-17A levels and healing by Rosa damascene-based gel in experimental and control rat models of recurrent aphthous stomatitis           | Dr. Sarah Ghafoor           | Approved      |
| M.Phil Oral Biology   | Dr. Ummara Komal            | PGMI Lahore     | Healing effect of 0.25 % lemongrass oil mouthwash on chronic periodantitis in humans by evaluating level of TGF-B                                                    | Prof. Fozia Farzana         | Approved      |
| M.Phil Oral Biology   | Dr. Momina Khalid           | PGMI Lahore     | Healing effect of ziziphus honey on extracted tooth socket in humans by evaluating the levels of BMP-2 and OPN                                                       | Prof. Fozia Farzana         | Approved      |
| M.Phil Oral Biology   | Dr. Talal Ahmed             | UHS Lahore      | Comparison of salivary and lacrimal aquaporin-5 expression in type -2 diabetes mellitus patients with healthy individuals                                            | Dr. Sarah Ghafoor           | Approved      |
| M.Phil Oral Biology   | Dr. Ammar Abdullah Malik    | PGMI Lahore     | Efficacy of novel quaternary ammonium riboflavin (QAF) compound for resin-dentine interface bond: Animal model characterization                                      | Dr. Muhammad Sharjeel Ilyas | Approved      |
| M.Phil Oral Biology   | Dr. Muhammad Muthahir Mehdi | PGMI Lahore     | Salivary BMP-2 level and radiographic measurement of bone density at extracted tooth socket in patients with and without topical application of simvastatin          | Prof. Fozia Farzana         | Approved      |
| M.Phil Oral Biology   | Dr. Munawar Hussain         | PGMI Lahore     | Effects of modified bioactive glass on regeneration of periodontium animal model                                                                                     | Prof. Muhammad Yasoob       | Approved      |
| M.Phil Oral Biology   | Dr. Zunaira Akram           | UHS Lahore      | Comparison of salivary Orexin-A and orexin-B levels in patients with Parkinson's disease with healthy individuals                                                    | Dr. Sarah Ghafoor           | Approved      |
| M.Phil Oral Biology   | Dr. Maria Mushtaq           | PGMI Lahore     | Histological effects of platelet-rich fibrin and propolis complex on the healing of alveolar bone in adult albino wistar rats                                        | Prof. Muhammad Yasoob       | Pending       |
| M.Phil Oral Biology   | Dr. Aroosa Ijaz             | PGMI Lahore     | Protect Effect of propolis on aspartame induced histological changes in lingual papillae of adult albino wistar rats                                                 | Prof. Muhammad Yasoob       | Approved      |
| M.Phil Oral Biology   | Dr. Roshan Zafar            | UHS Lahore      | Expression of Notch 1 receptors in healing of oral wound and oral mucositis as compared to healthy controls                                                          | Dr. Sarah Ghafoor           | Approved      |
| M.Phil Oral Biology   | Dr. Alina Saleem            | UHS Lahore      | Changes in expression of salivary and muscle irisin after contraction of the masseter muscle by repetitive electrical stimulation                                    | Dr. Sarah Ghafoor           | Approved      |
| M.Phil Oral Biology   | Dr. Nida Rasheed            | UHS Lahore      | Protective effect of Commiphora wightii in oral leukoplakia like condition in wistar rats                                                                            | Dr. Sarah Ghafoor           | Approved      |
| M.Phil Oral Biology   | Dr. Sidra Aslam             | UHS Lahore      | Comparison of protective effect of herbal gum resins in the treatment of oral leukoplakia like lesions in male wistar rats                                           | Dr. Sarah Ghafoor           | Approved      |
| M.Phil Oral Biology   | Dr. Saman Zafar Chaudhry    | UHS Lahore      | Comparison of salivary filaggrin and nesfatin-1 levels and their relationship with clinical parameters in patients of chronic periodontitis with healthy individuals | Dr. Sarah Ghafoor           | Approved      |
| M.Phil Oral Biology   | Dr. Huma Sajid              | PGMI Lahore     | Assessment of bone regenerative potential of modified hydroxyapatite bio ceramic in alveolar socket healing an animal model                                          | Prof. Muhammad Yasoob       | Approved      |
| M.Phil Oral Biology   | Dr. Syeda Sana Batool       | PGMI Lahore     | Association of FGFR2 rs 2981579 genetic polymorphism with skeletal class III malocclusion in the local population                                                    | Prof. Muhammad Yasoob       | Approved      |
| M.Phil Oral Pathology | Dr. Abdul Khaliq            | UHS Lahore      | Morphological changes in oral mucosa of rabbits induced by light emitting diode used as dental curing light                                                          | Prof. Abdul Hannan Nagi     | Approved      |
| M.Phil Oral Pathology | Dr. Abdur Rehman            | PGMI Lahore     | Immunoexpression of Twist in different morphological variants of ameloblastomas                                                                                      | Dr. Muhammad Eyyaz Khaleel  | Approved      |
| M.Phil Oral Pathology | Dr. Aleeza Asif Shahab      | AFIP Rawalpindi | VEGF expression in oral squamous cell carcinoma and its association with lymph node metastasis                                                                       | Brig. Shoaib Naiyer Hashmi  | Approved      |
| M.Phil Oral Pathology | Dr. Ali Raza                | PGMI Lahore     | Comparison of morphometric assessment using methyl green pyronin and AgNor staining of oral squamous cell carcinoma                                                  | Dr. Muhammad Eyyaz Khaleel  | Approved      |
| M.Phil Oral Pathology | Dr. Ali Tahir               | UHS Lahore      | Correlation of mast cell and microvascular density in oro-facial neoplasms                                                                                           | Prof. Abdul Hannan Nagi     | Approved      |
| M.Phil Oral Pathology | Dr. Aneeqa Sajjad           | UHS Lahore      | Evaluation of mitotic figures in different grades of oral epithelial dysplasia and oral squamous cell carcinoma using crystal violet stain                           | Dr. Ihtesham Ud Din Qureshi | Approved      |
| M.Phil Oral Pathology | Dr. Arooj Akhtar            | UHS Lahore      | CDK4 gene mutations in exon 5 in head and neck squamous cell carcinoma                                                                                               | Dr. Saima Chaudhry          | Pending       |
| M.Phil Oral Pathology | Dr. Asma Ishfaq             | PGMI Lahore     | Argyrophilic nucleolar organizer regions in premalignant and malignant lesions of the oral cavity                                                                    | Dr. Saeed Akhtar Khan       | Approved      |
| M.Phil Oral Pathology | Dr. Ayesha Muhammad Rana    | UHS Lahore      | Association of MTHFD1 1958G>A single nucleotide polymorphism with nonsyndromic cleft lip and palate                                                                  | Prof. Abdul Hannan Nagi     | Pending       |



| Degree                | Student Name              | Institute       | Research Title                                                                                                                            | Supervisor                  | Report Status |
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| M.Phil Oral Pathology | Dr. Ayesha Mukhtar Awan   | AFIP Rawalpindi | Expression of matrix metalloproteinase-9 and E-cadherin in pseudoepitheliomatous hyperplasia and oral squamous cell carcinoma             | Col. Hafeez ud din          | Approved      |
| M.Phil Oral Pathology | Dr. Ayesha Zulfiqar       | UHS Lahore      | Tumour associated macrophages and microvascular density in oro-facial squamous cell carcinoma and basal cell carcinoma                    | Prof. Abdul Hannan Nagi     | Approved      |
| M.Phil Oral Pathology | Dr. Basil Khalid          | UHS Lahore      | Effects of coconut water, coconut milk & coconut milk mixed with honey on healing of oral ulcers in rabbits                               | Prof. Abdul Hannan Nagi     | Approved      |
| M.Phil Oral Pathology | Dr. Benish Aleem          | UHS Lahore      | Expression of MSX2 in ankylosing temporomandibular joint                                                                                  | Prof. Abdul Hannan Nagi     | Pending       |
| M.Phil Oral Pathology | Dr. Bushra Rehman         | AFIP Rawalpindi | To assess the prognostic role of P53 marker in head and neck squamous cell carcinomas                                                     | Brig. Sajid Mushtaq         | Approved      |
| M.Phil Oral Pathology | Dr. Danial Qasim Butt     | UHS Lahore      | Immunohistochemical expression of p53 and WT1 in histological grades of Oral squamous cell carcinoma                                      | Brig. Saeed Afzal           | Approved      |
| M.Phil Oral Pathology | Dr. Faiz Rasul            | PGMI Lahore     | Immunohistochemical expression of Bcl-2 in malignant salivary gland tumors                                                                | Dr. Rozina Jaffar           | Approved      |
| M.Phil Oral Pathology | Dr. Faiza Aslam           | AFIP Rawalpindi | Relation of tumor thickness with lymphnode metastasis in oral squamous cell carcinoma                                                     | Brig. Sajid Mushtaq         | Approved      |
| M.Phil Oral Pathology | Dr. Farah Qaiser          | UHS Lahore      | Immunohistochemical expression of MMP-9 and E Cadherin in subtypes of ameloblastoma                                                       | Brig. Saeed Afzal           | Approved      |
| M.Phil Oral Pathology | Dr. Faryal Akbar          | AFIP Rawalpindi | Analysis of micronucleus frequency in oral mucosal exfoliative cytology: A comparison of normal & malignant oral epithelium               | Col. Farhan Akhtar          | Pending       |
| M.Phil Oral Pathology | Dr. Farzana Kalsoom       | AFIP Rawalpindi | Calretinin expression in the differential diagnosis of human ameloblastoma and keratocystic odontogenic tumour                            | Brig. Sajid Mushtaq         | Approved      |
| M.Phil Oral Pathology | Dr. Gul Muhammad          | UHS Lahore      | Corticosteroid induced osteonecrosis of the rabbit jaws and preventive role of Vitamin E                                                  | Prof. Abdul Hannan Nagi     | Approved      |
| M.Phil Oral Pathology | Dr. Gulmina Saeed Orakzai | AFIP Rawalpindi | Histological evaluation and clinical association of oral white lesions                                                                    | Brig. Muhammad Atique       | Approved      |
| M.Phil Oral Pathology | Dr. Hasan Mujtaba         | AFIP Rawalpindi | Immunohistochemical Expression of Estrogen Receptor in Adenoid Cystic Carcinoma of Salivary Gland                                         | Brig. Muhammad Atique       | Approved      |
| M.Phil Oral Pathology | Dr. Iram Naz              | AFIP Rawalpindi | Expression of the Bcl – 2 oncoprotein in common odontogenic cysts                                                                         | Brig. Shahid Jamal          | Approved      |
| M.Phil Oral Pathology | Dr. Jaweria Riaz          | AFIP Rawalpindi | Expression of vascular endothelial growth factor in adenoid cystic carcinoma of salivary glands                                           | Col. Farhan Akhtar          | Approved      |
| M.Phil Oral Pathology | Dr. Juwairya Javed        | UHS Lahore      | CDK4 mutations in exon 2 (g5051G>C and g5095G>C) in head and neck squamous cell carcinoma                                                 | Dr. Saima Chaudhry          | Approved      |
| M.Phil Oral Pathology | Dr. Khola Ahmed Khan      | PGMI Lahore     | Expression of survivin in oral submucous fibrosis”                                                                                        | Dr. Rozina Jaffar           | Approved      |
| M.Phil Oral Pathology | Dr. Khurshid Ali          | UHS Lahore      | A morphological study of radiolucent lesions of the jaws                                                                                  | Prof. Abdul Hannan Nagi     | Approved      |
| M.Phil Oral Pathology | Dr. Kiran Nayyar          | PGMI Lahore     | Cytomorphological study of oral manifestations in HIV positive pediatric patients                                                         | Dr. Muhammad Eyyaz Khaleel  | Approved      |
| M.Phil Oral Pathology | Dr. Malik Adeel Anwar     | UHS Lahore      | Oral cytopathological changes in systemic lupus erythematosus patients                                                                    | Prof. Abdul Hannan Nagi     | Approved      |
| M.Phil Oral Pathology | Dr. Maria Ilyas           | UHS Lahore      | Immunoexpression of CD10 Basal cell carcinoma and squamous cell carcinoma of head and neck                                                | Brig. Saeed Afzal           | Approved      |
| M.Phil Oral Pathology | Dr. Maria Naeem           | UHS Lahore      | Immunohistocheical expression of VEGF-C in papillary and follicular carcinoma of Thyroid                                                  | Prof. Abdul Hannan Nagi     | Approved      |
| M.Phil Oral Pathology | Dr. Maria Shafiq          | PGMI Lahore     | Nuclear morphometric analysis of methyl green pyronin stained oral epithelial cells in cigarette smokers, passive smokers and non smokers | Prof. Dr. Rakhshindah Bajwa | Approved      |
| M.Phil Oral Pathology | Dr. Marya Batool Sajid    | AFIP Rawalpindi | Correlation of histological scoring system with cervical lymph node metastasis and disease progression in oral squamous cell carcinoma    | Brig. Shahid Jamal          | Approved      |

| Degree                | Student Name                   | Institute       | Research Title                                                                                                                                  | Supervisor                  | Report Status |
|-----------------------|--------------------------------|-----------------|-------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------|---------------|
| M.Phil Oral Pathology | Dr. Maryam Nazar               | AFIP Rawalpindi | Immunohistochemical analysis of expression of cyclin D1 and Ki-67 in primary oral squamous cell carcinoma and lymph node metastasis             | Brig. Shoaib Naiyer Hashmi  | Approved      |
| M.Phil Oral Pathology | Dr. Maryam Waggan              | UHS Lahore      | Detection of metastatic head and neck squamous cell carcinomas using expression of tissue-specific mir-205                                      | Dr. Saima Chaudhry          | Approved      |
| M.Phil Oral Pathology | Dr. Mir Rizwan Ahmad           | AFIP Rawalpindi | E-Cadherin expression in oral squamous cell carcinoma as a histological grading marker                                                          | Col. Muhammad Tahir Khadim  | Approved      |
| M.Phil Oral Pathology | Dr. Mohammad Imran Khan Jadoon | PGMI Lahore     | Expression of Ki-67 antigen in different morphological variants of ameloblastoma                                                                | Dr. Muhammad Eyyaz Khaleel  | Pending       |
| M.Phil Oral Pathology | Dr. Mohyman Sarfraz            | UHS Lahore      | Oral cytopathological changes in habitual wet snuff (Naswar) dippers                                                                            | Prof. Abdul Hannan Nagi     | Approved      |
| M.Phil Oral Pathology | Dr. Muhammad Arslan Tayyab     | UHS Lahore      | Morphological changes induced by inorganic arsenic in jaw bones, tongue and buccal mucosa of Wistar rats                                        | Prof. Abdul Hannan Nagi     | Approved      |
| M.Phil Oral Pathology | Dr. Muhammad Kashif            | UHS Lahore      | Expression of prostanoids EP3 receptors in oral squamous cell carcinoma and adjacent normal tissue                                              | Prof. Abdul Hannan Nagi     | Approved      |
| M.Phil Oral Pathology | Dr. Muhammad Tariq Rehman      | AFIP Rawalpindi | Clinicopathological analysis of radical neck dissection specimens in oral malignancies                                                          | Prof. Dr. Farkhandah Kokab  | Pending       |
| M.Phil Oral Pathology | Dr. Muhammad Waseem Aziz       | AFIP Rawalpindi | Characterization of p53 protein in odontogenic cysts                                                                                            | Brig. Muhammad Atique       | Approved      |
| M.Phil Oral Pathology | Dr. Munazza Javed              | PGMI Lahore     | Expression of mucin 1 in pleomorphic adenoma of salivary glands                                                                                 | Dr. Muhammad Eyyaz Khaleel  | Approved      |
| M.Phil Oral Pathology | Dr. Nadia Iftikhar Ahmed       | PGMI Lahore     | Patterns of argyrophilic nucleolar organizer regions (AgNORs) in pleomorphic adenoma and malignant salivary gland tumors                        | Dr. Saeed Akhtar Khan       | Approved      |
| M.Phil Oral Pathology | Dr. Nadia Zaib                 | AFIP Rawalpindi | Immunohistochemical pattern of pleomorphic adenoma, adenoid cystic carcinoma and polymorphous low grade adenocarcinoma in minor salivary glands | Brig. Sajid Mushtaq         | Approved      |
| M.Phil Oral Pathology | Dr. Naila Umer                 | UHS Lahore      | Immunohistochemical expression of MUCA in Head and neck squamous cell carcinoma                                                                 | Dr. Saima Chaudhry          | Approved      |
| M.Phil Oral Pathology | Dr. Naureen Tabassum           | PGMI Lahore     | Expression of survivin in oral squamous cell carcinoma                                                                                          | Dr. Muhammad Eyyaz Khaleel  | Approved      |
| M.Phil Oral Pathology | Dr. Nighat Ara Ghani           | AFIP Rawalpindi | Status of p53 Gene Mutation and protein p53 Expression in Oral Dysplasia and Oral Squamous Cell Carcinoma                                       | Dr. Muhammad Atique         | Approved      |
| M.Phil Oral Pathology | Dr. Quartul-Ain Gul            | PGMI Lahore     | Expression of CD105 in ameloblastoma and odontogenic keratocyst                                                                                 | Prof. Dr. Rakhshindah Bajwa | Approved      |
| M.Phil Oral Pathology | Dr. Quratul Ain Gul            | UHS Lahore      | Expression of CD105 in ameloblastoma and odontogenic keratocyst                                                                                 | Prof. Dr. Rakhshindah Bajwa | Pending       |
| M.Phil Oral Pathology | Dr. Rabia Anjum                | UHS Lahore      | Pathological changes in soft tissue associated with impacted third molars                                                                       | Prof. Abdul Hannan Nagi     | Approved      |
| M.Phil Oral Pathology | Dr. Rabia Masood               | PGMI Lahore     | A comparative cytomorphometric study of buccal mucosal smears of cigarette smokers and naswar users                                             | Dr. Rozina Jaffar           | Approved      |
| M.Phil Oral Pathology | Dr. Rabia Safdar               | UHS Lahore      | Expression of matrix metalloproteinases in basal cell carcinoma and squamous cell carcinoma of head and neck                                    | Prof. Abdul Hannan Nagi     | Approved      |
| M.Phil Oral Pathology | Dr. Rabia Zafar                | AFIP Rawalpindi | Fibrous dysplasia vs ossifying fibroma of the jaws: immunohistochemical and clinicopathological characterization                                | Col. Muhammad Tahir Khadim  | Approved      |
| M.Phil Oral Pathology | Dr. Rabiya Saif                | UHS Lahore      | Ki-67 as a proliferative index in odontogenic jaw cysts                                                                                         | Prof. Abdul Hannan Nagi     | Approved      |
| M.Phil Oral Pathology | Dr. Rakia Sahaf                | UHS Lahore      | Immunohistochemical expression of EMMPRIN (CD147) in oral squamous cell carcinoma                                                               | Prof. Abdul Hannan Nagi     | Approved      |
| M.Phil Oral Pathology | Dr. Rummana Aqeel              | PGMI Lahore     | Analysis of buccal mucosal smears of cigarette smokers and non-smokers using Ki-67 stain                                                        | Dr. Saeed Akhtar Khan       | Approved      |



| Degree                | Student Name              | Institute       | Research Title                                                                                                                                 | Supervisor                  | Report Status |
|-----------------------|---------------------------|-----------------|------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------|---------------|
| M.Phil Oral Pathology | Dr. Saadia Muneer Malik   | AFIP Rawalpindi | Expression of E-cadherin and cyclin D1 in mucoepidermoid carcinoma of salivary glands                                                          | Brig. Shoaib Naiyer Hashmi  | Approved      |
| M.Phil Oral Pathology | Dr. Saba Farooq           | AFIP Rawalpindi | Oro-pharyngeal manifestations in leukemia                                                                                                      | Col. Farhan Akhtar          | Pending       |
| M.Phil Oral Pathology | Dr. Sabeen Aymen Bokhari  | PGMI Lahore     | Immunohistochemical expression of epidermal growth factor receptor, p53 and vasculoendothelial growth factor in oral squamous cell carcinoma   | Prof. Dr. Rakhshindah Bajwa | Approved      |
| M.Phil Oral Pathology | Dr. Sabina Zaffar         | UHS Lahore      | Immunohistochemical expression of human chorionic gonadotropin- $\beta$ (hCG- $\beta$ ) in different grades of malignant salivary gland tumors | Dr. Ihtesham Ud Din Qureshi | Approved      |
| M.Phil Oral Pathology | Dr. Sadaf Waris           | UHS Lahore      | Morphological study of oral mucosal changes in habitual paan chewers                                                                           | Prof. Abdul Hannan Nagi     | Approved      |
| M.Phil Oral Pathology | Dr. Sadia Minhas          | UHS Lahore      | Cytological profile of oral mucosa and peri tumoural area in patients receiving concomitant chemoradiotherapy                                  | Prof. Abdul Hannan Nagi     | Approved      |
| M.Phil Oral Pathology | Dr. Sadia Zaheer          | UHS Lahore      | CD10 and osteopontin expression in odontogenic cysts and ameloblastoma                                                                         | Prof. Abdul Hannan Nagi     | Approved      |
| M.Phil Oral Pathology | Dr. Saima Qadir           | UHS Lahore      | Oral mucosal changes in patients of HIV /AIDS with or without Antiretroviral Therapy (ART)                                                     | Dr. Nadia Naseem            | Approved      |
| M.Phil Oral Pathology | Dr. Saima Umer            | AFIP Rawalpindi | Expression of Ki67, S100, CEA and Vimentin in adenoid cystic carcinoma and polymorphous low grade adenocarcinoma of salivary glands            | Brig. Shoaib Naiyer Hashmi  | Approved      |
| M.Phil Oral Pathology | Dr. Samina Nazli          | AFIP Rawalpindi | Immunohistochemical expression of Parathyroid hormone related protein in Ameloblastoma, Odontogenic Keratocyst and Dentigerous cyst            | Brig. Muhammad Atique       | Approved      |
| M.Phil Oral Pathology | Dr. Samina Zaheer         | UHS Lahore      | Morphological study of maspin expression in oral squamous cell carcinoma                                                                       | Prof. Abdul Hannan Nagi     | Approved      |
| M.Phil Oral Pathology | Dr. Sana Mehmood Qureshi  | AFIP Rawalpindi | Ki-67 and Bcl-2 protein expression in Mecoeepidermoid Carcinoma of Salivary glands                                                             | Col. Tariq Sarfraz          | Approved      |
| M.Phil Oral Pathology | Dr. Sania Arshad          | UHS Lahore      | Expression of CD105 in angiogenesis and the pattern of inflammatory exudate in oral squamous and basal cell carcinomas                         | Prof. Abdul Hannan Nagi     | Approved      |
| M.Phil Oral Pathology | Dr. Sarah Rabbani         | UHS Lahore      | Immunohistochemical expression of PDGFR $\beta$ in different grades of hand and neck squamous cell carcinoma                                   | Dr. Saima Chaudhry          | Approved      |
| M.Phil Oral Pathology | Dr. Shahnaz Saleem        | PGMI Lahore     | Expression of Bcl-2 and Ki-67 in odontogenic keratocyst and its comparison to radicular cyst                                                   | Prof. Dr. Rakhshindah Bajwa | Pending       |
| M.Phil Oral Pathology | Dr. Sobia Siddique        | AFIP Rawalpindi | Evaluation of Ki-67 expression and AgNOR count in mucoepidermoid carcinoma of salivary glands                                                  | Col. Hafeez ud din          | Approved      |
| M.Phil Oral Pathology | Dr. Sultan Muhammad Wahid | PGMI Lahore     | Comparison of mitotic index with expression of Ki-67/MIB-1 in pleomorphic adenoma and malignant salivary gland tumors                          | Dr. Rozina Jaffar           | Approved      |
| M.Phil Oral Pathology | Dr. Sunila Hussain        | UHS Lahore      | Expression of galectin-3 in pleomorphic adenoma, mucoepidermoid carcinoma & adenoid cystic carcinoma of salivary glands                        | Dr. Nadia Naseem            | Approved      |
| M.Phil Oral Pathology | Dr. Sunnaeyah Waris       | UHS Lahore      | Gingival changes in patients having pulmonary tuberculosis                                                                                     | Prof. Abdul Hannan Nagi     | Approved      |
| M.Phil Oral Pathology | Dr. Syeda Munaza Gillani  | AFIP Rawalpindi | Diagnostic accuracy of fine needle aspiration cytology in intraoral tumors                                                                     | Col. Farhan Akhtar          | Approved      |
| M.Phil Oral Pathology | Dr. Syeda Sadaf Kazmi     | UHS Lahore      | Immunohistochemical expression of Hypoxia Inducible Factor 1-alpha (HIF 1- $\alpha$ ) in patients of head and neck squamous cell carcinoma     | Dr. Saima Chaudhry          | Approved      |
| M.Phil Oral Pathology | Dr. Uzma Ali Khan         | UHS Lahore      | Oral cytopathological morphology in patients with chronic kidney disease                                                                       | Prof. Abdul Hannan Nagi     | Approved      |
| M.Phil Oral Pathology | Dr. Varda Jalil           | UHS Lahore      | Determination of Cytotoxic T Cells and NK Cells in Papillary Carcinoma and Follicular Adenoma of Thyroid                                       | Prof. Abdul Hannan Nagi     | Approved      |
| M.Phil Oral Pathology | Dr. Wajiha Alamgir        | AFIP Rawalpindi | Expression of p53 adenoid cystic carcinoma of salivary glands – a clinicopathological and immunohistochemical correlation                      | Col. Tariq Sarfraz          | Approved      |

| Degree                | Student Name                        | Institute       | Research Title                                                                                                                                                    | Supervisor                  | Report Status |
|-----------------------|-------------------------------------|-----------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------|---------------|
| M.Phil Oral Pathology | Dr. Wajiha Khalid                   | PGMI Lahore     | Determination of collagen in different histological grades of oral squamous cell carcinoma by using Picrosirius red stain”                                        | Prof. Dr. Rakhshindah Bajwa | Approved      |
| M.Phil Oral Pathology | Dr. Wali Dad                        | UHS Lahore      | Oral cytopathological changes in type 2 Diabetic patients                                                                                                         | Prof. Abdul Hannan Nagi     | Approved      |
| M.Phil Oral Pathology | Dr. Waqar-un-Nisa                   | AFIP Rawalpindi | Clinicopathological and immunohistochemical analysis of oropharyngeal lymphomas                                                                                   | Col. Hafeez ud din          | Approved      |
| M.Phil Oral Pathology | Dr. Zainab Niazi                    | UHS Lahore      | Immunohistochemical expression of Epidermal Growth Factor Receptor (EGFR) with histological grading of mucoepidermoid carcinoma in salivary glands                | Brig. Shoaib Naiyer Hashmi  | Approved      |
| M.Phil Oral Pathology | Dr. Muhammad Umair Piracha          | UHS Lahore      | Reversal of fibrosis by sulfasalazine in bleomycin induced oral submucous fibrosis (OSMF) of Wistar rats                                                          | Dr. Saima Chaudhry          | Approved      |
| M.Phil Oral Pathology | Dr. Hafiz Muhammad Shahzad Khurshid | PGMI Lahore     | Relationship between serum levels of interleukin-22 and oral manifestations in patients of systemic lupus erythematosus                                           | Dr. Saima Chaudhry          | Approved      |
| M.Phil Oral Pathology | Dr. Mian Bilal Ahmad                | PGMI Lahore     | Immunohistochemical expression of programmed death ligand 1 (PD-L1) in head and neck squamous cell carcinoma                                                      | Dr. Saima Chaudhry          | Approved      |
| M.Phil Oral Pathology | Dr. Ifrah Zafar                     | UHS Lahore      | Expression of programmed cell death 1 ligand 2 in adenoid cystic carcinoma and mucoepidermoid carcinoma of salivary glands                                        | Dr. Saima Chaudhry          | Approved      |
| M.Phil Oral Pathology | Dr. Rohana Rehman                   | PGMI Lahore     | Expression of WT1 in neoplastic myoepithelial cells pleomorphic adenoma and surrounding normal myoepithelial cell of salivary gland                               | Dr. Munazza Hasan           | Approved      |
| M.Phil Oral Pathology | Dr. Zahra Moeen                     | UHS Lahore      | Association of long non-coding RNA Hotair and H1F1a gene in oral squamous cell carcinoma                                                                          | Dr. Saima Chaudhry          | Approved      |
| M.Phil Oral Pathology | Dr. Memoona Ansari                  | PGMI Lahore     | The Correlation between immunohistochemical expression of FADD and histological patterns of invasion in head and neck squamous cell carcinoma                     | Dr. Munazza Hasan           | Approved      |
| M.Phil Oral Pathology | Dr. Komal Naveed                    | UHS Lahore      | Tissue factor pathway inhibitor 2 methylation and protein expression in oral squamous cell carcinoma                                                              | Dr. Saima Chaudhry          | Approved      |
| M.Phil Oral Pathology | Dr. Dawood Khan                     | UHS Lahore      | Immunohistochemical expression of programmed death ligand 1 (PD-L1) on cancer associated fibroblasts (CAFs) in oral squamous cell carcinoma                       | Dr. Rabia Anjum             | Pending       |
| M.Phil Pharmacology   | Dr Tariq Ali                        | PGMI Lahore     | Antihyperglycaemic antidiabeticand hepato reno protective effect of ethanolic neem leaf extract in alloxan induced diabetic rats                                  | Prof. Dr. Muhammad Azam Zia | Approved      |
| M.Phil Pharmacology   | Dr. Abdul Mudabbir Rehan            | PGMI Lahore     | Protective effect of Malus domestica (Apple) peel extract on carboplatin induced myelosuppression in mice                                                         | Prof. Dr. Sadia Chiragh     | Approved      |
| M.Phil Pharmacology   | Dr. Abdul Qadoos Arain              | PGMI Lahore     | Effect of Aloe vera on sodium and water retention in rat                                                                                                          | Prof. Dr. Sadia Chiragh     | Approved      |
| M.Phil Pharmacology   | Dr. Adnan Bashir                    | PGMI Lahore     | Effect of thymoquinone on carbachol induced contraction of tracheal smooth muscle of normal and ovalbumin sensitized guinea pigs and possible mechanism of action | Prof. Dr. Sadia Chiragh     | Approved      |
| M.Phil Pharmacology   | Dr. Adnan Jahangir                  | UHS Lahore      | To study hepatoprotective effect of ethanolic leaf extract of Cassia fistula (Golden Shower) on isoniazid and rifampin induced hepatotoxicity in rats             | Prof. Abdul Hannan Nagi     | Approved      |
| M.Phil Pharmacology   | Dr. Afira Aziz                      | PGMI Lahore     | Effect of virgin coconut oil on prevention of isoniazid and rifampicin induced hepatotoxicity                                                                     | Prof. Dr. Sadia Chiragh     | Approved      |
| M.Phil Pharmacology   | Dr. Ahmad Rasheed                   | UHS Lahore      | Effects of Nigella sativa and its comparison with Standard Drugs (Metronidazole and Cefadroxil) in Periodontal and Periapical Lesions of Oral Cavity              | Dr. Muhammad Shahzad        | Approved      |
| M.Phil Pharmacology   | Dr. Aisha Talat                     | PGMI Lahore     | A study on the effects of Vitamin C and Alpha Tocopherol on serum lipid profile and plasma fibrinogen level with streptozotocin induced diabetes in albino rats   | Prof. Dr. Muhammad Azam Zia | Approved      |
| M.Phil Pharmacology   | Dr. Ajaz Fatima                     | UHS Lahore      | Transdermal drug delivery system of glipizide in streptozotocin induced diabetic mice                                                                             | Prof. Dr. Muhammad Azam Zia | Approved      |
| M.Phil Pharmacology   | Dr. Ajmal Afzal                     | PGMI Lahore     | Effect of Omega-3 eggs on the development of type 2 diabetes mellitus in a rat model                                                                              | Prof. Dr. Sadia Chiragh     | Approved      |
| M.Phil Pharmacology   | Dr. Aliya Shabbir                   | UHS Lahore      | Protective effect of Carica papaya and Silymarin on alcohol induced liver injury in mice                                                                          | Dr. Muhammad Shahzad        | Approved      |

| Degree              | Student Name                 | Institute   | Research Title                                                                                                                                                                     | Supervisor                  | Report Status |
|---------------------|------------------------------|-------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------|---------------|
| M.Phil Pharmacology | Dr. Amer Hassan Siddiqui     | PGMI Lahore | Protective effect of Ajwa dates against alloxan-induced diabetes in rats                                                                                                           | Prof. Dr. Sadia Chiragh     | Pending       |
| M.Phil Pharmacology | Dr. Anum Ashraf              | UHS Lahore  | Sitagliptin ameliorates diabetic nephropathy by upregulating renal nephrin and podocin expression through modulation of adipokine levels                                           | Dr. Muhammad Shahzad        | Approved      |
| M.Phil Pharmacology | Dr. Arooj Malkera            | PGMI Lahore | Effects of Punica granatum (Pomegranate) flower extract on lipid profile of hyperlipidemic rabbits                                                                                 | Prof. Dr. Sadia Chiragh     | Approved      |
| M.Phil Pharmacology | Dr. Asad Mahmood Khan        | UHS Lahore  | Anti-inflammatory effect of Zingiber officinale (Ginger) and methyprednisolone on the mouse model of allergic airways inflammation                                                 | Dr. Muhammad Shahzad        | Approved      |
| M.Phil Pharmacology | Dr. Asia Firdous             | UHS Lahore  | Effects of garlic and licorice extracts on carbon tetra chloride induced liver fibrosis in albino rats                                                                             | Prof. Dr. Muhammad Azam Zia | Approved      |
| M.Phil Pharmacology | Dr. Asia Nizami              | UHS Lahore  | Anti-arthritis effect of Aloe vera in the rat model of Rheumatoid arthritis                                                                                                        | Dr. Muhammad Shahzad        | Approved      |
| M.Phil Pharmacology | Dr. Asma Inam                | UHS Lahore  | Anti-inflammatory effect of Carica papaya leaves in mouse model of allergic airway inflammation                                                                                    | Dr. Muhammad Shahzad        | Approved      |
| M.Phil Pharmacology | Dr. Atifa Saqib              | UHS Lahore  | Effect of Tribulus Terrestris (Puncture Vine) seed powder on testosterone induced benign                                                                                           | Prof. Dr. Sadia Chiragh     | Pending       |
| M.Phil Pharmacology | Dr. Atiya Rehman             | UHS Lahore  | Suppression of nuclear factor kappa B pathway by oxyresveratrol contributes to attenuation of lipopolysaccharide induced inflammation in acute lung injury.                        | Dr. Muhammad Shahzad        | Approved      |
| M.Phil Pharmacology | Dr. Attia Anwar              | PGMI Lahore | Effect of berberine on prevention of 7, 12 dimethylbenz (α) anthracene induced mammary carcinogenesis in rats                                                                      | Prof. Dr. Sadia Chiragh     | Approved      |
| M.Phil Pharmacology | Dr. Ayesha Tajammal          | PGMI Lahore | Common Genetic variants of thiopurine S-Methyltransferase and haematological and hepatic toxicities of 6-Mercaptopurine during maintenance therapy in acute lymphoblastic leukemia | Prof. Dr. Sadia Chiragh     | Approved      |
| M.Phil Pharmacology | Dr. Bushra Shaheen           | UHS Lahore  | Effect of Mimosa himalayana on xanthine oxidase activity assay and potassium oxamate induced hyperuricemia in rats                                                                 | Prof. Dr. Naseem Saud Ahmad | Approved      |
| M.Phil Pharmacology | Dr. Farhana Yasmin Bhatti    | UHS Lahore  | Effect of Ajwa date seed powder on visceral fat depots and inflammatory response in high fat fed rat                                                                               | Prof. Dr. Sadia Chiragh     | Approved      |
| M.Phil Pharmacology | Dr. Fariha Ahmad Khan        | UHS Lahore  | Effect of Saccharomyces boulardii and Enterococcus faecium SF68 in severe acute diarrhea in infants: Randomized Controlled Trial                                                   | Prof. Dr. Sadia Chiragh     | Approved      |
| M.Phil Pharmacology | Dr. Farwa Naqvi              | UHS Lahore  | Effect of Bryophyllum pinnatum leaf extract on platelet aggregation in vitro                                                                                                       | Dr. Samina Kausar           | Approved      |
| M.Phil Pharmacology | Dr. Fouzia Kanwal            | UHS Lahore  | Antiplatelet effect of orally administered aloe vera gel in healthy volunteers                                                                                                     | Prof. Dr. Sadia Chiragh     | Approved      |
| M.Phil Pharmacology | Dr. Fouzia Perveen           | UHS Lahore  | Anti dyslipidemic effect of Ficus carica fruit on lipid profile of diet induced hyperlipidemic rats                                                                                | Dr. Zujaja Zaheer           | Approved      |
| M.Phil Pharmacology | Dr. Fraz Akhtar              | PGMI Lahore | Effect of thymoquinone on isoniazid and rifampicin induced hepatotoxicity in Sprague Dawley Rats                                                                                   | Prof. Dr. Sadia Chiragh     | Approved      |
| M.Phil Pharmacology | Dr. Gul-E-Nazish             | UHS Lahore  | Comparative effects of Azadiracta Indica (Neem) bark extract and amoxicillin in periodontitis induced rabbit model                                                                 | Dr. Muhammad Shahzad        | Approved      |
| M.Phil Pharmacology | Dr. Gulpash Saghir           | UHS Lahore  | Anti inflammatory effect of Uncaria tomentosa on mouse model of allergic airway inflammation by downregulating NF-KB                                                               | Dr. Muhammad Shahzad        | Approved      |
| M.Phil Pharmacology | Dr. Hafiz Imran Mehmood Khan | UHS Lahore  | Effect of Cichorium intybus root extract on calcium oxalate stones formation in rats kidney model                                                                                  | Dr. Muhammad Shahzad        | Approved      |
| M.Phil Pharmacology | Dr. Hammad Ahmed Butt        | UHS Lahore  | Response of tramadol in hepatocellular carcinoma patients in association with cytochrome P450 2D6*3 and 2D6*4 genes polymorphism                                                   | Dr. Muhammad Shahzad        | Approved      |
| M.Phil Pharmacology | Dr. Hina Ambreen             | PGMI Lahore | Effect of Fenugreek on Lipid Profile of Hyperlipidemic Albino Rats                                                                                                                 | Prof. Dr. Muhammad Azam Zia | Approved      |
| M.Phil Pharmacology | Dr. Hina Aslam               | UHS Lahore  | Immunomodulatory effect of thymoquinone on atopic dermatitis                                                                                                                       | Dr. Muhammad Shahzad        | Approved      |

| Degree              | Student Name                | Institute   | Research Title                                                                                                                                         | Supervisor                  | Report Status |
|---------------------|-----------------------------|-------------|--------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------|---------------|
| M.Phil Pharmacology | Dr. Imtiaz Uddin            | PGMI Lahore | Effect of statins on the hyper responsiveness of airways                                                                                               | Prof. Dr. Sadia Chiragh     | Approved      |
| M.Phil Pharmacology | Dr. Iram Akram              | UHS Lahore  | Protective effect of Citrullus lanatus (water melon) pulp extract on isoniazid and rifampicin-induced hepatotoxicity in albino rats                    | Dr. Zujaja Zaheer           | Approved      |
| M.Phil Pharmacology | Dr. Iram Kamal              | PGMI Lahore | Effect of Malus domestica (Apple) peel extract on prednisolone induced lymphopenia in mice                                                             | Prof. Dr. Sadia Chiragh     | Approved      |
| M.Phil Pharmacology | Dr. Iram Shah Nawaz         | PGMI Lahore | Effect of ajwa date on prevention of development of nephropathy in alloxan induced diabetic rats                                                       | Prof. Dr. Sadia Chiragh     | Approved      |
| M.Phil Pharmacology | Dr. Javaria Fatima          | UHS Lahore  | Evaluation of Anti arthritic effect of torilis leptophylla in freund's complete adjuvant induced arthritic rat model                                   | Prof. Dr. Naseem Saud Ahmad | Approved      |
| M.Phil Pharmacology | Dr. Javeria Sarfaz          | PGMI Lahore | Effect of deer velvet antler on airway inflammation in ovalbumin sensitized Guinea Pigs                                                                | Prof. Dr. Sadia Chiragh     | Approved      |
| M.Phil Pharmacology | Dr. Johar Ahmed Iqbal       | UHS Lahore  | Effect of carica papaya leaf juice on prevention of methotrexate induced myelosuppression in mice                                                      | Prof. Dr. Sadia Chiragh     | Approved      |
| M.Phil Pharmacology | Dr. Kamran Zaman            | UHS Lahore  | Comparative effect of Ficus carica (Fig) fruit extract and dexamethasone on prevention of ovalbumin induced allergic airway inflammaion in mice        | Prof. Dr. Sadia Chiragh     | Approved      |
| M.Phil Pharmacology | Dr. Khadija Mastoor         | PGMI Lahore | Effects of Interferon alpha on thyroid functions during treatment of Chronic Hepatitis C                                                               | Dr. Muhammad Zahid Qamar    | Approved      |
| M.Phil Pharmacology | Dr. Khalid Niaz             | UHS Lahore  | Hypoglycemic effect of celery seeds (ajwain/ajmod) in diabetic rats                                                                                    | Prof. Dr. Muhammad Azam Zia | Approved      |
| M.Phil Pharmacology | Dr. Khurram Mahmood         | UHS Lahore  | A study on the diuretic effect of Trachyspermum ammi (Ajwain) in albino rats                                                                           | Prof. Dr. Muhammad Azam Zia | Approved      |
| M.Phil Pharmacology | Dr. Khurshed Anwer          | UHS Lahore  | The hepatoprotective effects of aqueous extract of Nigella sativa (Black seed) in alcohol induced hepatotoxicity in rats                               | Prof. Abdul Hannan Nagi     | Approved      |
| M.Phil Pharmacology | Dr. Mahreen Akhtar          | UHS Lahore  | Anti hyperuricemic effect of ethanolic extract of Ficus bengalensis bark on oxonic acid induced hyperuricemic rats in comparison with febuxostat       | Prof. Dr. Naseem Saud Ahmad | Approved      |
| M.Phil Pharmacology | Dr. Mahwash Malik           | PGMI Lahore | Effect of three Pakistani date seed varieties on lipid profile of hyperlipidemic rabbits                                                               | Prof. Dr. Sadia Chiragh     | Approved      |
| M.Phil Pharmacology | Dr. Maria Khalid            | UHS Lahore  | The anti-inflammatory activity of Aloe vera and its comparison with methylprednisolone on mouse model of allergic airway inflammation                  | Dr. Muhammad Shahzad        | Approved      |
| M.Phil Pharmacology | Dr. Maryam Rashid           | UHS Lahore  | SLC22A1 and SLC22A2 gene polymorphisms and response of metformin in type II diabetic patients                                                          | Dr. Muhammad Shahzad        | Approved      |
| M.Phil Pharmacology | Dr. Mazhar Husain           | PGMI Lahore | Effect of Pioglitazone on lipid profile of non diabetic hyperlipidemic rats                                                                            | Prof. Dr. Sadia Chiragh     | Approved      |
| M.Phil Pharmacology | Dr. Mufakhara Fatimah       | PGMI Lahore | Dose dependent effect of glycyrrhizin in type 2 Diabetes mellitus in a rat model                                                                       | Prof. Dr. Sadia Chiragh     | Approved      |
| M.Phil Pharmacology | Dr. Muhammad Aamir Rafique  | PGMI Lahore | Effect of Nigella sativa oil on prevention of airway hyper-responsiveness in ovalbumin sensitized guinea-pigs                                          | Prof. Dr. Sadia Chiragh     | Approved      |
| M.Phil Pharmacology | Dr. Muhammad Imran Ashraf   | UHS Lahore  | The anti-inflammatory effect of Oxyresveratrol on the mouse model of allergic airway inflammation                                                      | Dr. Muhammad Shahzad        | Approved      |
| M.Phil Pharmacology | Dr. Muhammad Nauman Shad    | PGMI Lahore | Preventive effect of losartan in comparison with pioglitazone in development of type 2 diabetes mellitus in a rat model                                | Prof. Dr. Sadia Chiragh     | Approved      |
| M.Phil Pharmacology | Dr. Muhammad Omer Rafique   | UHS Lahore  | Protective effect of Malus domestica (Apple) peel extract against alloxan induced diabetes in rats                                                     | Dr. Samina Kausar           | Pending       |
| M.Phil Pharmacology | Dr. Muhammad Rashad Sagheer | UHS Lahore  | Antihyperlipidemic effect of aqueous extract of Carum carvi seeds (kala zeera) in diet induced hyperlipidemia in rats                                  | Prof. Dr. Salma Iqbal Naik  | Approved      |
| M.Phil Pharmacology | Dr. Muhammad Usman Tahir    | UHS Lahore  | Estimation of pesticide residue levels in marketed fresh fruit and vegetable with reference to health hazards                                          | Prof. Dr. Salma Iqbal Naik  | Approved      |
| M.Phil Pharmacology | Dr. Munazza Ghazanfar       | UHS Lahore  | Toxic effects of edible oil delivered from insecticide treated and genetically modified cotton (Gossypium Hirsutum L.) on the fertility of female rats | Dr. Muhammad Shahzad        | Approved      |

| Degree              | Student Name            | Institute      | Research Title                                                                                                                                                   | Supervisor                     | Report Status |
|---------------------|-------------------------|----------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------|---------------|
| M.Phil Pharmacology | Dr. Nadeem Yaqoob       | PGMI Lahore    | Comparison of effects of Aloe vera and Diclofenac on blood pressure and renal function of hypertensive rats                                                      | Prof. Dr. Sadia Chiragh        | Approved      |
| M.Phil Pharmacology | Dr. Nayyara Tahir       | PGMI Lahore    | Effect of Carica papaya (Papaya) leaf juice on prevention of carboplatin induced myelosuppression in mice                                                        | Prof. Dr. Sadia Chiragh        | Approved      |
| M.Phil Pharmacology | Dr. Nisar Ahmed         | PGMI Lahore    | Anti inflammatory effect of berberine on pristane induced arthritis in rats                                                                                      | Prof. Dr. Sadia Chiragh        | Approved      |
| M.Phil Pharmacology | Dr. Obaid Anwar         | PGMI Lahore    | Effect of Raphanus sativus (Radish) leaf extract on atorvastatin induced hepatotoxicity in rabbits                                                               | Prof. Dr. Sadia Chiragh        | Approved      |
| M.Phil Pharmacology | Dr. Rabiea Bilal        | UHS Lahore     | To Study the anti-hyperlipidemic effects of ethanolic extract of Eugenia Jambolana (Jamun) in diet induced hyperlipidemic rats                                   | Prof. Dr. Muhammad Azam Zia    | Approved      |
| M.Phil Pharmacology | Dr. Rao Salman Aziz     | UHS Lahore     | Gastroprotective effect of oxyresveratrol on ethanol induced gastric ulcer in mice                                                                               | Dr. Muhammad Shahzad           | Approved      |
| M.Phil Pharmacology | Dr. Rashid Mahmood Khan | PMC Faisalabad | Comparative study of antihyperglycemic effects of flowers and stem bark of Pongamia Pinnata (Sukhchain) on diabetic rabbits                                      | Prof. Dr. Muhammad Naeem Iqbal | Approved      |
| M.Phil Pharmacology | Dr. Rizwan Faisal       | PGMI Lahore    | Effect of thymoquinone and methotrexate in rat model of rheumatoid arthritis                                                                                     | Prof. Dr. Sadia Chiragh        | Approved      |
| M.Phil Pharmacology | Dr. Rubina Iqbal        | PGMI Lahore    | Toxic effects of quinolones on male reproductive organs in rats using ciprofloxacin, ofloxacin and enoxacin                                                      | Prof. Dr. Sadia Chiragh        | Approved      |
| M.Phil Pharmacology | Dr. Rukhsana Awais      | PGMI Lahore    | Comparative assessment of two chemotherapies in node positive breast cancer patients using cathepsin D as a tumor marker                                         | Dr. Naveed Iqbal Ansari        | Approved      |
| M.Phil Pharmacology | Dr. Rukhsana Kausar     | PGMI Lahore    | In vitro antifungal activity of Cymbopogon citratus and Aloe vera against pathogens of Superficial Mycoses                                                       | Prof. Dr. Sadia Chiragh        | Approved      |
| M.Phil Pharmacology | Dr. Saba Batool         | UHS Lahore     | Effect of Torilis leptophylla on indomethacin induced gastric ulcer in mice                                                                                      | Prof. Dr. Naseem Saud Ahmad    | Approved      |
| M.Phil Pharmacology | Dr. Sabeen Arjumand     | UHS Lahore     | Ameliorative effect of thymoquinone in Freund's complete adjuvant-induced arthritis in rats by down-regulating Toll-like receptors expression levels             | Dr. Muhammad Shahzad           | Approved      |
| M.Phil Pharmacology | Dr. Sabeen Irshad       | UHS Lahore     | Effect of aqueous extract of Carica papaya (papaya) leaves on expression of IL-11 and thrombopoietin in drug induced myelosuppression in mice                    | Dr. Muhammad Shahzad           | Approved      |
| M.Phil Pharmacology | Dr. Sadia Majeed        | PGMI Lahore    | Effect of Ajwa date on prevention of antituberculous drug induced hepatotoxicity in rabbits                                                                      | Prof. Dr. Sadia Chiragh        | Approved      |
| M.Phil Pharmacology | Dr. Saima Bukhari       | PGMI Lahore    | In vitro activity of Vaccinium macrocarpon (cranberry) on urinary tract pathogens                                                                                | Prof. Dr. Sadia Chiragh        | Approved      |
| M.Phil Pharmacology | Dr. Saima Mahmood       | UHS Lahore     | A study on the effect of cinnamon extract alone and in combination with insulin on blood glucose and serum lipid profile in alloxan induced diabetic albino rats | Prof. Dr. Muhammad Azam Zia    | Approved      |
| M.Phil Pharmacology | Dr. Saima Noreen        | UHS Lahore     | Hepatotoxic Effects of diclofenac and febuxostat combination in mice                                                                                             | Prof. Dr. Naseem Saud Ahmad    | Approved      |
| M.Phil Pharmacology | Dr. Sajida Malik        | PGMI Lahore    | Anti-Hyperglycemic effect of Aloe Vera gel extract and metformin in alloxan induced diabetic rabbits                                                             | Dr. Naveed Iqbal Ansari        | Approved      |
| M.Phil Pharmacology | Dr. Salman Iftikhar     | UHS Lahore     | Effect of date palm pollen (DPP) on the spermatogenesis and testosterone levels of prepubertal albino rats                                                       | Prof. Dr. Muhammad Saeed Anwar | Approved      |
| M.Phil Pharmacology | Dr. Sameera Afzal       | PGMI Lahore    | Comparison of the effect of omega-3 eggs and fish oil on lipid profile of hyperlipidemic rabbits                                                                 | Prof. Dr. Sadia Chiragh        | Pending       |
| M.Phil Pharmacology | Dr. Samra Sulaiman      | PGMI Lahore    | Effect of $\alpha 1$ - antagonist and $\beta 2$ – agonist on acetaminophen induced hepatotoxicity in BALB/c mice                                                 | Prof. Dr. Sadia Chiragh        | Approved      |
| M.Phil Pharmacology | Dr. Sana Nisar Zaidi    | UHS Lahore     | Effect of Tribulus terrestris (puncture vine) dried fruit powder on drug-induced nephrotoxicity in rats                                                          | Prof. Dr. Sadia Chiragh        | Approved      |
| M.Phil Pharmacology | Dr. Sana Tufail         | UHS Lahore     | The hepatoprotective effects of aqueous extract of Allium cepa linn (onion) in antituberculous drugs induced hepatotoxicity in rats                              | Prof. Abdul Hannan Nagi        | Approved      |
| M.Phil Pharmacology | Dr. Sehrish Zaffar      | PGMI Lahore    | Hemostatic effect of Justicia adhatoda (Malabar Nut) leaf extract on drug-induced coagulopathy in mice                                                           | Prof. Dr. Sadia Chiragh        | Approved      |



| Degree              | Student Name                        | Institute   | Research Title                                                                                                                                                                         | Supervisor                     | Report Status |
|---------------------|-------------------------------------|-------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------|---------------|
| M.Phil Pharmacology | Dr. Sh. Maria Qammar                | UHS Lahore  | Anti inflammatory effect of Torilis leptophylla in mouse model of allergic airway inflammation                                                                                         | Prof. Dr. Naseem Saud Ahmad    | Approved      |
| M.Phil Pharmacology | Dr. Shabir Hussain                  | PGMI Lahore | Effect of thymoquinone on calcium oxalate kidney stones in rats                                                                                                                        | Prof. Dr. Sadia Chiragh        | Approved      |
| M.Phil Pharmacology | Dr. Shahnaz Akhtar                  | PGMI Lahore | Study of Antibacterail activity of Allicin (Allium Sativum) with various Antimicrobials                                                                                                | Dr. Bushra Aziz                | Approved      |
| M.Phil Pharmacology | Dr. Shazana Rana                    | UHS Lahore  | Anti-inflammatory effect of Pistacia integerrima in mouse model of allergic airway inflammation and its comparison with methylprednisolone                                             | Dr. Muhammad Shahzad           | Approved      |
| M.Phil Pharmacology | Dr. Shazia Bashir                   | PGMI Lahore | The effect of Aloe vera extract and ciprofloxacin on Proteus mirabilis induced urinary tract infection in albino rats                                                                  | Dr. Naveed Iqbal Ansari        | Approved      |
| M.Phil Pharmacology | Dr. Sidra Mushtaq                   | PGMI Lahore | Comparison of effect of Aloe vera gel with aspirin and celecoxib on platelet aggregation                                                                                               | Prof. Dr. Sadia Chiragh        | Approved      |
| M.Phil Pharmacology | Dr. Soban Sadiq                     | UHS Lahore  | The reno-protective effect of aqueous extract of Carum carvi (Kala Zeera) seeds in streptozotocin induced diabetic nephropathy in rats                                                 | Prof. Abdul Hannan Nagi        | Approved      |
| M.Phil Pharmacology | Dr. Sofia Yasmin Abbasi             | UHS Lahore  | Effect of carica papaya leaf juice on preventon of busulfan induced chronic bone Marrow aplasia in mice                                                                                | Prof. Dr. Sadia Chiragh        | Approved      |
| M.Phil Pharmacology | Dr. Sohail Ahmad                    | PGMI Lahore | Effect of metformin on prevention of gentamicin induced renal injuries in rats                                                                                                         | Prof. Dr. Sadia Chiragh        | Approved      |
| M.Phil Pharmacology | Dr. Sohail Iqbal                    | PGMI Lahore | Effect of Cuscuta reflexa on intestinal motility and possible mechanism of action                                                                                                      | Prof. Dr. Sadia Chiragh        | Approved      |
| M.Phil Pharmacology | Dr. Syeda Tahira Hassan             | PGMI Lahore | Effect of berberine on allergic airway inflammation in guinea pigs                                                                                                                     | Prof. Dr. Sadia Chiragh        | Approved      |
| M.Phil Pharmacology | Dr. Tahira Jehangir                 | PGMI Lahore | Effect of Bryophyllum pinnatum on calcium oxalate kidney stones in rat model"                                                                                                          | Prof. Dr. Sadia Chiragh        | Approved      |
| M.Phil Pharmacology | Dr. Tariq Mahmood Khan              | PGMI Lahore | Comparison of lipid lowering effect of extra virgin olive oil and atorvastatin in dyslipidemia in type 2 diabetes mellitus                                                             | Dr. Naveed Iqbal Ansari        | Approved      |
| M.Phil Pharmacology | Dr. Tooba Malik                     | UHS Lahore  | Effect of Torilis leptophylla on blood glucose level in streptozotocin induced diabetic rats                                                                                           | Prof. Dr. Naseem Saud Ahmad    | Approved      |
| M.Phil Pharmacology | Dr. Usman Saeed                     | UHS Lahore  | Antihyperlipidemic effect of berry honey in diet induced hyperlipidemic rats and its comparison with simvastatin                                                                       | Prof. Dr. Salma Iqbal Naik     | Approved      |
| M.Phil Pharmacology | Dr. Uzma Mashood                    | UHS Lahore  | Effect of Cashew Apple juice (Anacardium occidentale) on DMBA induced mammary gland tumours and comparison with doxorubicin in mice                                                    | Dr. Muhammad Shahzad           | Approved      |
| M.Phil Pharmacology | Dr. Waqar Ahmad Siddiqui            | UHS Lahore  | Protective effect of Citrullus lanatus on ethylene glycol induced calcium oxalate stone formation in rats kidney                                                                       | Dr. Muhammad Shahzad           | Approved      |
| M.Phil Pharmacology | Dr. Zafar Iqbal Ghafoor             | UHS Lahore  | Effects of Ficus carica leaves extract on paracetamol induced nephrotoxicity in mice                                                                                                   | Prof. Dr. Muhammad Saeed Anwar | Approved      |
| M.Phil Pharmacology | Dr. Zobia Usman                     | PGMI Lahore | Effects of Ajwa date seed on lipid profile of hyperlipidemic rabbits                                                                                                                   | Prof. Dr. Sadia Chiragh        | Approved      |
| M.Phil Pharmacology | Dr. Zoobia Irum                     | UHS Lahore  | Anti-hyperuricemic effect of ficus carica (Fig) fruit extract on ononate induced hyperuricemia                                                                                         | Dr. Zujaja Zaheer              | Pending       |
| M.Phil Pharmacology | Mr. Abdullah Abdo Mohammad Albegali | UHS Lahore  | Association between insulin resistance and eNOS G894T, IRS-1 G972Arg and PC-1 K121Q gene polymorphisms in type 2 diabetic patients                                                     | Dr. Muhammad Shahzad           | Approved      |
| M.Phil Pharmacology | Mr. Liaqat Ali                      | UHS Lahore  | Anti-arthritic activity of Artocarpus lakoocha on rat model of Freund's complete adjuvant induced arthritis                                                                            | Dr. Muhammad Shahzad           | Approved      |
| M.Phil Pharmacology | Mr. Naeem Riaz                      | UHS Lahore  | To study the effect of ethanolic extract of eugenia jambolana (jaman) fruit pulp on acetylcholine, histamine, serotoninine and calcium induced contractions in isolated rabbit's ileum | Dr. Ilyas Ahmed Faridi         | Approved      |

| Degree              | Student Name            | Institute      | Research Title                                                                                                                                          | Supervisor                  | Report Status |
|---------------------|-------------------------|----------------|---------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------|---------------|
| M.Phil Pharmacology | Mr. Naveed Suleman      | UHS Lahore     | Association of genetic polymorphism of CYP1A2 and CYP2C19 with the toxicity of Leflunomide in Rheumatoid Arthritis patients                             | Dr. Muhammad Shahzad        | Approved      |
| M.Phil Pharmacology | Ms. Hira Shahid         | UHS Lahore     | Anti-inflammatory role of curcumin by pharmacological induction of heat shock protein 70 (HSP70) in mouse model of allergic airway inflammation         | Dr. Muhammad Shahzad        | Approved      |
| M.Phil Pharmacology | Ms. Shafaq              | UHS Lahore     | Antihyperlipidemic effect of Artocarpus lakoocha leaf extract and its comparison with simvastatin in diet-induced hyperlipidemic rats                   | Dr. Muhammad Shahzad        | Approved      |
| M.Phil Pharmacology | Ms. Sumaira             | UHS Lahore     | Anti-diabetic activity of Artocarpus lakoocha in mouse model of Alloxan-induced diabetes mellitus                                                       | Dr. Muhammad Shahzad        | Pending       |
| M.Phil Pharmacology | Dr. Naveeda Manzoor     | UHS Lahore     | Effect of mumaria indica extract on xanthine oxidase activity in vitro and potassuum oxonate induced hyperuicemia in rats                               | Prof. Dr. Naseem Saud Ahmad | Approved      |
| M.Phil Pharmacology | Dr. Talha Laique        | UHS Lahore     | Therapeutic drug monitoring of isoniazid in patients with pulmonary tuberculosis                                                                        | Prof. Dr. Naseem Saud Ahmad | Approved      |
| M.Phil Pharmacology | Dr. Waleed Arshad       | UHS Lahore     | Drug levels of pyrazinamide in mycobacterium tuberculosis patients receiving fixed dose combination                                                     | Prof. Dr. Naseem Saud Ahmad | Pending       |
| M.Phil Pharmacology | Dr. Qura-Tul-Ain        | UHS Lahore     | Comparison of Antiyperuricemic effect of Swertia chirayita & Febuxostat on postassium oxonate induced hyperuricemic animal model                        | Prof. Dr. Naseem Saud Ahmad | Approved      |
| M.Phil Pharmacology | Dr. Saima Aziz          | UHS Lahore     | Anti-hyperuricemic of ethanolic extract of Tricholpis chaetolepis on postassium oxonate induced hyperuricemic rats                                      | Prof. Dr. Naseem Saud Ahmad | Approved      |
| M.Phil Pharmacology | Dr. Hira Naz            | PGMI Lahore    | Anti hyperuricemic effect of berberine on potassium oxonate induced hyperuicemia in rats                                                                | Prof. Sadia Chiragh         | Approved      |
| M.Phil Pharmacology | Dr. Usman Aslam         | PGMI Lahore    | Effect of atorvastatin and aspirin alone and in combination on serum uric acid level of normal and hyperuicemic rats                                    | Prof. Sadia Chiragh         | Approved      |
| M.Phil Pharmacology | Dr. Faiza Ishtiaq       | PGMI Lahore    | To compare the effects of lisinopril and losartan on prevention of allergic airway hyperresponsiveness in guinea pigs                                   | Prof. Sadia Chiragh         | Approved      |
| M.Phil Pharmacology | Dr. Ammara Anser        | PGMI Lahore    | Comparison of glycyrrhizin and pioglitazone in prevention of development of type 2 diabetes mellitus in rat model                                       | Prof. Sadia Chiragh         | Approved      |
| M.Phil Pharmacology | Dr. Nada Azam           | PGMI Lahore    | Combined effect of glycyrrhizin and canagliflozin on treatment of non alcoholic fatty liver disease in rat model                                        | Prof. Sadia Chiragh         | Approved      |
| M.Phil Pharmacology | Dr. Akfish Zaheer       | PGMI Lahore    | Effect of canagliflozin and metformin on latrozole induced polycystic ovarian syndrome in rat model                                                     | Prof. Sadia Chiragh         | Approved      |
| M.Phil Pharmacology | Dr. Urooj Fatima        | PGMI Lahore    | Effect of short term atorvastatin treatment on asthma control in patients with mild to moderate disease                                                 | Dr. Moneeb Ashraf           | Approved      |
| M.Phil Pharmacology | Dr. Isham Saleem Mughal | PGMI Lahore    | Effect of propranolol, atenolol, carvedilol and neivolol on serum uric acid level and urinary excretion in hyperuicemic rats                            | Prof. Sadia Chiragh         | Approved      |
| M.Phil Pharmacology | Dr. Rabab Miraj         | PGMI Lahore    | Effect of furosemide and spironolactone on zinc urinary excretion and body stores in rats                                                               | Prof. Sadia Chiragh         | Approved      |
| M.Phil Pharmacology | Dr. Azka Khan           | UHS Lahore     | Cardioprotective effect of Cydonia oblonga against isoproterenol induced myocardial infarction in rats                                                  | Dr. Muhammad Shahzad        | Approved      |
| M.Phil Pharmacology | Dr. Muhammad Usman      | FPGMI Lahore   | Comparison of fequency of treatment failure in type 2 diabetics on pioglitazone with major and minor allele of rs1801282 PPAR Gamma Gene                | Prof. Saadia Shahzad Alam   | Approved      |
| M.Phil Pharmacology | Dr. Zain Aamir          | FPGMI Lahore   | Effect of triple antivrial therapy and interleukin 28B polymorphism on sustained viral response in hepatitis C patients                                 | Prof. Saadia Shahzad Alam   | Approved      |
| M.Phil Pharmacology | Dr. Muhammad Abid       | FMU Faisalabad | Ameliorative effects of Magifera indica (mango, chaunsa) peel powder on fructose-induced metabolic syndrome in rats                                     | Prof. Muhammad Naeem Iqbal  | Approved      |
| M.Phil Pharmacology | Dr. Zarish Malik        | UHS Lahore     | Effect of Bauhinia variegata on isoproterenol induced myocardial infarction in rat model                                                                | Dr. Muhammad Shahzad        | Approved      |
| M.Phil Pharmacology | Dr. Zahabia Khalid      | PGMI Lahore    | Preventive effect of Saussurea costus in comparison to tamoxifen on prevention of 7, 12-dimethyl BENZ [A] anthracene induced breast cancer in rat model | Dr. Moneeb Ashraf           | Approved      |
| M.Phil Pharmacology | Dr. Maheen Fatima       | PGMI Lahore    | Dose dependent anti-inflammatory effect of Colebrookea oppositifolia on a rat model of pristine induced arthritis                                       | Dr. Moneeb Ashraf           | Approved      |
| M.Phil Pharmacology | Dr. Hafsa Muhammad      | UHS Lahore     | Immunomodulatory effect of glabridin in rat model of asthma and its comparison with methyprednisolone                                                   | Dr. Muhammad Shahzad        | Approved      |



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|---------------------|--------------------------------|--------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------|---------------|
| M.Phil Pharmacology | Dr. Beenish                    | PGMI Lahore  | Comparative effect of dipeptidylpeptidase-4 inhibitors in allergic airway rat model                                                                                                 | Dr. Moneeb Ashraf          | Approved      |
| M.Phil Pharmacology | Dr. Amina Zubair               | PGMI Lahore  | Effect of Saussurea costus in comparison to dexamethasone on ovalbumin induced allergic airway disease in a rat model                                                               | Dr. Moneeb Ashraf          | Approved      |
| M.Phil Pharmacology | Dr. Aiman Asif                 | UHS Lahore   | Anti-fibrotic effects thymoquinone in prevention of oral sub-mucosal fibrosis and in comparison with lycopene                                                                       | Dr. Muhammad Shahzad       | Approved      |
| M.Phil Pharmacology | Dr. Afia Mazhar                | PGMI Lahore  | Comparative study of vasorelaxant effect of dipeptidyle peptidase-IV (DPP-IV) inhibitors (Sitagliptin, Vildagliptin and Saxagliptin) along with standard drug on isolated rat aorta | Dr. Moneeb Ashraf          | Approved      |
| M.Phil Pharmacology | Dr. Zarish Ghafoor             | UHS Lahore   | Anti-inflammatory effect of thymoquinone on gingivitis in rats in comparison of MFC (metronidazole, fenbufen) solution                                                              | Prof. Dr. Muhammad Shahzad | Approved      |
| M.Phil Pharmacology | Dr. Muhammad Asif Faheem       | UHS Lahore   | Anti-inflammatory effect of chrysin in freund's induced arthritis in rats                                                                                                           | Dr. Muhammad Shahzad       | Approved      |
| M.Phil Pharmacology | Dr. Sadaf Humayun              | PGMI Lahore  | Comparison of cytotoxic activity of Melfhalan and ifosamide with and without ascorbic acid against retinoblastoma cell in vitro                                                     | Dr. Moneeb Ashraf          | Approved      |
| M.Phil Pharmacology | Dr. Syeda Mah-E-Noor Zahra     | SZPMI Lahore | Comparative histopathological evaluation of safety profile of crataegus oxyacantha (Hawthorn) fruit with atorvastatin in murine model of dyslipidemia                               | Prof. Saadia Shahzad Alam  | Approved      |
| M.Phil Pharmacology | Dr. Sana Asghar                | PGMI Lahore  | Comparative study of antihyperuricemic effects of citrus limon, citrus sinensis and citrus paradise in potassium oxonate induced hyperuricemic rats                                 | Dr. Moneeb Ashraf          | Approved      |
| M.Phil Pharmacology | Dr. Maryam Nadeem              | SZPMI Lahore | Vitamin D supplementation reduces atorvastatin induced induced myopathy in dyslipidemic patients                                                                                    | Prof. Dr. Saadia Shahzad   | Approved      |
| M.Phil Pharmacology | Dr. Maham Israr                | UHS Lahore   | Nimbolide alternates rheumatoid arthritis through regulation of Toll like receptor in rat model of arthritis                                                                        | Prof. Dr. Muhammad Shahzad | Approved      |
| M.Phil Pharmacology | Dr. Sarah Zaheer               | UHS Lahore   | Cardioprotective effect of morin against isoproterenol induced myocardial infarction in rat model                                                                                   | Prof. Dr. Muhammad Shahzad | Approved      |
| M.Phil Pharmacology | Dr. Huma                       | SZPMI Lahore | Comparative effect of Fargonia indica leafextract with naproxen in rat model of rheumatoid arthritis                                                                                | Prof. Saadia Shahzad Alam  | Approved      |
| M.Phil Pharmacology | Dr. Syed Muhammad Saad Gardezi | PGMI Lahore  | Uric acid lowering effect of thymoquinone and pyrogallol in potassium oxonate induced hyperuricemic rats                                                                            | Dr. Moneeb Ashraf          | Approved      |
| M.Phil Pharmacology | Dr. Hafsa Faiz                 | PGMI Lahore  | Anti-hyperuricemic effect of red yeast rice in comparison with allopurinol and atorvastatin in potassium oxonate induced hyperuricemic rats                                         | Dr. Moneeb Ashraf          | Approved      |
| M.Phil Pharmacology | Dr. Hamid Waqas                | UHS Lahore   | Anti-inflammatory activity of inulin in rat model of airway inflammation and its comparison with methylprednisolone                                                                 | Prof. Dr. Muhammad Shahzad | Approved      |
| M.Phil Pharmacology | Dr. Miraa Qutab                | PGMI Lahore  | Preventive effect of red yeast rice in comparison to tamoxifen on 7, 2-demethyl BENZ [A] anthracene induced breast cancer in rat model                                              | Dr. Moneeb Ashraf          | Approved      |
| M.Phil Pharmacology | Dr. Anam Razzaq                | SZPMI Lahore | Comparison of therapeutic and adverse effects of Anastatica hierochuntica with metformin in DHEA induced Polycystic Ovarian Syndrome (PCOS) rat model                               | Prof. Saadia Shahzad Alam  | Approved      |
| M.Phil Pharmacology | Dr. Fatima Chaudhry            | SZPMI Lahore | In-vitro anti XDR-Salmonella typhi activity and synergism of Morinda Citrifolia, Terminalia chiebula and Bergenia Ciliata with meropenem                                            | Prof. Saadia Shahzad Alam  | Approved      |
| M.Phil Pharmacology | Dr. Sehrish Ijaz               | PGMI Lahore  | Effect of Cassia angustifolia in comparison to dexamethasone on ovalbumin induced allergic airway disease in a rat model                                                            | Dr. Amer Hassan Siddiqui   | Approved      |
| M.Phil Pharmacology | Dr. Arooj Fatimah              | UHS Lahore   | To evaluate the effect of betulinic acid in hyperuricemia and oxidative stress in potassium oxonate-induced hyperuricemic rats                                                      | Prof. Dr. Muhammad Shahzad | Approved      |
| M.Phil Pharmacology | Dr. Sidra Zahid                | UHS Lahore   | Effect of bergapten on thyroid functions and oxidative stress in rats                                                                                                               | Prof. Dr. Muhammad Shahzad | Approved      |
| M.Phil Pharmacology | Dr. Aemen Sultan               | PGMI Lahore  | Comparison of anti-arthritis activity of red yeast rice, methotrexate and atorvastatin on rat model of pristane induced arthritis                                                   | Dr. Amer Hassan Siddiqui   | Pending       |
| M.Phil Pharmacology | Dr. Zari Salah-Ud-Din          | UHS Lahore   | Anti-oxidative and anti-inflammatory effect of humanin analogue in mouse model of Psoriasis                                                                                         | Dr. Muhammad Shahzad       | Approved      |
| M.Phil Pharmacology | Dr. Sobia Akbar                | PGMI Lahore  | Effect of Fagonia arabica and metformin on letrozole induced polycystic ovarian syndrome in rat model                                                                               | Dr. Amer Hassan Siddiqui   | Approved      |

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|---------------------|-----------------------------|--------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------|---------------|
| M.Phil Pharmacology | Dr. Amna Asif               | PGMI Lahore  | Protective effect of 20 hydroxy ecdysone (20HE) in comparison to tamoxifen citrate on breast cancer in rat model                                                                     | Prof. Amer Hassan Siddiqui         | Pending       |
| M.Phil Pharmacology | Dr. Muhammad Usman Ali Khan | UHS Lahore   | Anti-arthritis effect of ivermectin in Freund's complete adjuvant induced arthritis in wistar rats                                                                                   | Prof. Dr. Muhammad Shahzad         | Approved      |
| M.Phil Pharmacology | Dr. Faiza Muzaffar          | PGMI Lahore  | Protective effect of methanolic extract of corn silk on isoniazid and rifampicin induced hepatotoxicity in rats                                                                      | Prof. Amir Hassan Siddiqui         | Approved      |
| M.Phil Pharmacology | Dr. Aeman Sultan            | PGMI Lahore  | Comparison of anti-arthritis activity of red yeast rice, methotrexate and atorvastatin on rat model of pristane induced arthritis                                                    | Dr. Amer Hassan Siddiqui           | Approved      |
| M.Phil Pharmacology | Dr. Sidra Khalid            | PGMI Lahore  | Effect of crataegus oxycantha leaf extract on ovalbumin-induced allergic airway inflammation in a rat model                                                                          | Prof. Amer Hassan Siddiqui         | Approved      |
| M.Phil Pharmacology | Dr. Sadaf Jabbar            | PGMI Lahore  | In-vitro analysis of Murraya Koenigii leaf essential oil and root extract with colistin against MDR pseudomonas-aeruginosa                                                           | Prof. Saadia Shahzad Alam          | Approved      |
| M.Phil Pharmacology | Dr. Komal Naseem            | PGMI Lahore  | Comparison of empagliflozin and sevelamer hydrochloride in diabetes mellitus and associated hyperlipidemia in obese diabetic rats                                                    | Dr. Sabeen Irshad                  | Approved      |
| M.Phil Pharmacology | Dr. Taneem Arslan           | PGMI Lahore  | Relationship of inducible nitric oxide synthase with lowering of mean arterial pressure after streptokinase administration among ST-segment elevation myocardial infarction patients | Dr. Sabeen Irshad                  | Approved      |
| M.Phil Pharmacology | Dr. Ramsha Azhar            | PGMI Lahore  | Uric acid lowering effect of Hippophae rhamnoides seed extract in potassium oxonate induced hyperuricemic rats                                                                       | Dr. Amer Hassan Siddiqui           | Approved      |
| M.Phil Pharmacology | Dr. Maria Khurshid          | PGMI Lahore  | Protective effect of polygonum amplexicaule in diabetic nephropathy in streptozotocin induced diabetic rats                                                                          | Dr. Amer Hassan Siddiqui           | Approved      |
| M.Phil Pharmacology | Dr. Rida Ayesha             | PGMI Lahore  | Nephroprotective effect of solanum dulcamara in streptozotocin-induced diabetic rats                                                                                                 | Dr. Amer Hassan Siddiqui           | Approved      |
| M.Phil Pharmacology | Dr. Zobia Asif              | PGMI Lahore  | Anti-inflammatory and anti-oxidative effect of Polygonum amplexicaule (rhizome) alone and in combination with metformin in letrozole induced polycystic ovarian syndrome rat model   | Dr. Sabeen Irshad                  | Approved      |
| M.Phil Pharmacology | Dr. Azan Hassan             | SZPMI Lahore | Potential role of sitagliptin and eugenol in comparison to n-acetyl cysteine against iohexol induced contrast nephropathy in non-diabetic and diabetic rats                          | Prof. Dr. Saadia Shahzad Alam      | Approved      |
| M.Phil Pharmacology | Dr. Talha Ishtiaq           | PGMI Lahore  | Effect of fagonia arabica in comparison to finasteride on benign prostatic hyperplasia in rat model                                                                                  | Dr. Sabeen Irshad                  | Approved      |
| M.Phil Physiology   | Dr. Aamir Nazir             | PGMI Lahore  | Biochemical staging of chronic liver disease in patients of chronic viral Hepatitis B, C and co-infection                                                                            | Prof. Dr. Tanvir Ali Khan Shirwany | Approved      |
| M.Phil Physiology   | Dr. Abdul Ghaffar Khan      | UHS Lahore   | Effect of breastfeeding during infancy on bone growth in prepubertal children                                                                                                        | Prof. Dr. Hamid Javaid Qureshi     | Approved      |
| M.Phil Physiology   | Dr. Abdur Rauf Hammad       | UHS Lahore   | Serum somatostatin, IGF 1 and insulin resistance in polycystic ovarian syndrome patients and in healthy females                                                                      | Prof. Dr. Khalid Parvez Lone       | Approved      |
| M.Phil Physiology   | Dr. Abdur Rehman Khokhar    | PGMI Lahore  | Efficacy of Ananas comosus in the treatment of endemic goiter among unmarried females (15-25 years)                                                                                  | Prof. Dr. Tanvir Ali Khan Shirwany | Approved      |
| M.Phil Physiology   | Dr. Abida Akhtar            | PGMI Lahore  | Serum resistin and proinflammatory markers in nonobese and obese type-2diabetic patients                                                                                             | Prof. Dr. Muniza Saeed             | Approved      |
| M.Phil Physiology   | Dr. Adeela Shahid           | UHS Lahore   | Family history risk factor for the onset of type II diabetes.                                                                                                                        | Dr. Muhammad Arslan                | Approved      |
| M.Phil Physiology   | Dr. Afsheen Zakir           | UHS Lahore   | Expression analysis of cellular gene (Caspase-3, -8, -9 and -10) involved in apoptosis in HCV patients of genotype-3a                                                                | Prof. Dr. Khalid Parvez Lone       | Approved      |
| M.Phil Physiology   | Dr. Alamzeb Jadoon          | UHS Lahore   | Serum resistin and interleukin-7 in interferon treated and untreated patients of Hepatitis C                                                                                         | Prof. Dr. Khalid Parvez Lone       | Approved      |
| M.Phil Physiology   | Dr. Alruba Taimoor          | PGMI Lahore  | Serum homocysteine levels and liver function test in primigravida in second and third trimesters of normal pregnancy and preeclampsia                                                | Prof. Dr. Tanvir Ali Khan Shirwany | Approved      |
| M.Phil Physiology   | Dr. Ambreen Khalid          | UHS Lahore   | Contribution of male factor in infertility in a sample of local population                                                                                                           | Dr. Muhammad Arslan                | Approved      |
| M.Phil Physiology   | Dr. Amer Shoaib             | UHS Lahore   | Mannose-binding lectin and its correlation with serum testosterone at puberty in Type 1 Diabetic boys                                                                                | Prof. Dr. Tanvir Ali Khan Shirwany | Approved      |

| Degree            | Student Name      | Institute   | Research Title                                                                                                                 | Supervisor                     | Report Status |
|-------------------|-------------------|-------------|--------------------------------------------------------------------------------------------------------------------------------|--------------------------------|---------------|
| M.Phil Physiology | Dr. Amna Inam     | PGMI Lahore | Serum E-selectin levels in type 2 diabetic normotensive male patients with microvascular angiopathies                          | Prof. Dr. Muniza Saeed         | Approved      |
| M.Phil Physiology | Dr. Amna Nadeem   | PGMI Lahore | Effect of vitamin D supplementation on adiponectin level and insulin resistance in gestational diabetes mellitus               | Prof. Dr. Muniza Saeed         | Pending       |
| M.Phil Physiology | Dr. Amna Tahir    | UHS Lahore  | Age related changes in bone density, bone maturation and markers of bone remodelling in Type 1 diabetic children               | Prof. Dr. Hamid Javaid Qureshi | Approved      |
| M.Phil Physiology | Dr. Aqeela Hamad  | UHS Lahore  | Serum oxidized LDL and C-Reactive Protein as indicators of early atherosclerosis in type 1 diabetic children                   | Prof. Dr. Javed Qureshi        | Approved      |
| M.Phil Physiology | Dr. Asad Mehmood  | PGMI Lahore | Serum Magnesium, Vitamin D and parathyroid hormone levels in asthmatic and non-asthmatic healthy children                      | Prof. Dr. Muniza Saeed         | Approved      |
| M.Phil Physiology | Dr. Asima Karim   | UHS Lahore  | A study on pubertal development and growth among boys in a sample of local population                                          | Dr. Muhammad Arslan            | Approved      |
| M.Phil Physiology | Dr. Attiqa Khalid | UHS Lahore  | Serum progesterone and estrogen levels in second hand tobacco smoke exposed women having first trimester spontaneous abortions | Prof. Dr. Hamid Javaid Qureshi | Approved      |
| M.Phil Physiology | Dr. Ayesha Anwar  | UHS Lahore  | Changes in peripheral inflammatory mediators in chronic periodontitis                                                          | Dr. Muhammad Arslan            | Approved      |
| M.Phil Physiology | Dr. Ayesha Fazal  | UHS Lahore  | Frequency of FOXO3A gene SNPs rs 280228 and rs 2802292 in local population                                                     | Prof. Dr. Khalid Parvez Lone   | Approved      |

| Degree            | Student Name              | Institute   | Research Title                                                                                                                                                             | Supervisor                         | Report Status |
|-------------------|---------------------------|-------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------|---------------|
| M.Phil Physiology | Dr. Ayesha Gohier         | UHS Lahore  | Psychological stress and oxytocin levels in mothers and their children with cerebral palsy                                                                                 | Prof. Dr. Khalid Parvez Lone       | Approved      |
| M.Phil Physiology | Dr. Ayesha Gohier         | UHS Lahore  | Plasma oxtocin level as a predictor of depression in mother taking care of children suffering from cerebral palsy                                                          | Dr. Asima Karim                    | Approved      |
| M.Phil Physiology | Dr. Ayesha Sana Naik      | UHS Lahore  | Relationship of adiponectin levels with body mass index (BMI) and insulin resistance in overweight and obese females of Lahore                                             | Prof. Dr. Hamid Javaid Qureshi     | Approved      |
| M.Phil Physiology | Dr. Ayesha Siddiqui       | UHS Lahore  | Y Chromosomal microdeletions in a local infertile male population                                                                                                          | Prof. Dr. Hamid Javaid Qureshi     | Approved      |
| M.Phil Physiology | Dr. Ayesha Zaheer         | PGMI Lahore | Serum homocysteine, C-reactive protein levels, and ankle brachial index in female migraineurs                                                                              | Prof. Dr. Tanvir Ali Khan Shirwany | Approved      |
| M.Phil Physiology | Dr. Azhar Ijaz            | PGMI Lahore | Relationship between serum total homocysteine level and lipid profile in patients with coronary artery disease                                                             | Prof. Dr. Tanvir Ali Khan Shirwany | Approved      |
| M.Phil Physiology | Dr. Bilal Habib           | PGMI Lahore | Serum leptin and cortisol in hypertensive patients with and without metabolic syndrome                                                                                     | Prof. Dr. Tanvir Ali Khan Shirwany | Approved      |
| M.Phil Physiology | Dr. Bushra Gohar Shah     | UHS Lahore  | Role of Anti-Cyclic citrullinated peptide antibody and anti-mutated citrullinated vimentin antibody in diagnosing rheumatoid factor negative rheumatoid arthritis patients | Prof. Dr. Hamid Javaid Qureshi     | Approved      |
| M.Phil Physiology | Dr. Durria Sanobar        | UHS Lahore  | Effect of barley, dates and their combination on lipid profile and lipoprotein (a) levels in hyperlipidemic rats                                                           | Prof. Dr. Muniza Saeed             | Approved      |
| M.Phil Physiology | Dr. Faiza Habib           | UHS Lahore  | Serum levels of angiopoietin-1 and VEGF in diabetics and non-diabetics with myocardial infection                                                                           | Prof. Dr. Khalid Parvez Lone       | Approved      |
| M.Phil Physiology | Dr. Faraz Ahmad Bokhari   | UHS Lahore  | Folate metabolism in migraine: association of plasma homocysteine with C677T variant of methylenetetrahydrofolate reductase (MTHFR) gene in migraine                       | Prof. Dr. Naseer Ahmad Chaudhry    | Approved      |
| M.Phil Physiology | Dr. Farhan Akbar          | PGMI Lahore | Oxidative Stress and Spirometrical changes in adult male smokers and non smokers using mosquito coils                                                                      | Prof. Dr. Muniza Saeed             | Approved      |
| M.Phil Physiology | Dr. Farhat Aslam          | UHS Lahore  | Serum adiponectin levels and insulin resistance in normoweight and overweight/obese patients with polycystic ovarian syndrome                                              | Prof. Dr. Khalid Parvez Lone       | Approved      |
| M.Phil Physiology | Dr. Farkhanda Naimat      | UHS Lahore  | Heart rate variability in patients with coronary artery disease and effect of percutaneous coronary intervention                                                           | Prof. Dr. Muniza Saeed             | Approved      |
| M.Phil Physiology | Dr. Fatima Zia Zaidi      | UHS Lahore  | Mean serum levels of irisin and GLP-1 in type II diabetic subjects and healthy controls                                                                                    | Prof. Dr. Khalid Parvez Lone       | Approved      |
| M.Phil Physiology | Dr. Ghazala Qureshi       | UHS Lahore  | Seasonal variations and effect of temperature on serum and tissue lipid profile in a poikilotherm vertebrate, Uromastix hardwicki                                          | Prof. Dr. Tanvir Ali Khan Shirwany | Approved      |
| M.Phil Physiology | Dr. Gulfam Ahmad          | UHS Lahore  | Proteomic analysis of ovarian cystic fluid and serum and possible identification of protein biomarkers                                                                     | Dr. Muhammad Arslan                | Approved      |
| M.Phil Physiology | Dr. Hafiz Muhammad Waseem | UHS Lahore  | Plasma surfactant protein-A levels in healthy subjects and COPD patients with matched tobacco exposure                                                                     | Prof. Dr. Khalid Parvez Lone       | Approved      |
| M.Phil Physiology | Dr. Hafiza Swaiba Afzal   | UHS Lahore  | Microsatellite (TAAAA)n and D327N polymorphism in sex hormone binding globulin gene in polycystic ovarian syndrome                                                         | Prof. Dr. Khalid Parvez Lone       | Approved      |
| M.Phil Physiology | Dr. Hamid Hassan          | PGMI Lahore | Testosterone and adiponectin levels with and without circumferential obesity in men of different ages                                                                      | Prof. Dr. Muniza Saeed             | Approved      |
| M.Phil Physiology | Dr. Hannia Tanweer Alvi   | UHS Lahore  | Serum reproductive hormones in females working in agricultural fields of Southern Punjab                                                                                   | Prof. Dr. Khalid Parvez Lone       | Pending       |
| M.Phil Physiology | Dr. Hifza Noor Lodhi      | PGMI Lahore | Serum levels of resistin and growth hormone in pulmonary tuberculosis with coexistent diabetes mellitus type 2                                                             | Prof. Dr. Muniza Saeed             | Approved      |
| M.Phil Physiology | Dr. Hina Pervaiz          | UHS Lahore  | Serum apelin and glucagon like peptide-1 in normal pregnancy and gestational diabetes melitus                                                                              | Prof. Dr. Khalid Parvez Lone       | Approved      |
| M.Phil Physiology | Dr. Hina Sikandar         | PGMI Lahore | Effect of exercise on serum ghrelin levels and insulin resistance in first degree relatives of type 2 diabetic patients                                                    | Prof. Dr. Muniza Saeed             | Pending       |

| Degree            | Student Name        | Institute   | Research Title                                                                                                                    | Supervisor                     | Report Status |
|-------------------|---------------------|-------------|-----------------------------------------------------------------------------------------------------------------------------------|--------------------------------|---------------|
| M.Phil Physiology | Dr. Huma Hussain    | PGMI Lahore | Plasma fibrinogen, ECG and Echocardiography for detection of left ventricular hypertrophy in patients with chronic kidney disease | Prof. Dr. Muniza Saeed         | Pending       |
| M.Phil Physiology | Dr. Huma Qadir      | PGMI Lahore | Comparison of serum iron and ferritin in thalassaemic children receiving desferrioxamine of deferiprone                           | Prof. Dr. Zafar Ali Ch         | Pending       |
| M.Phil Physiology | Dr. Huma Saeed Khan | UHS Lahore  | Serum Vitamin D levels in patients with Asthma                                                                                    | Prof. Dr. Hamid Javaid Qureshi | Approved      |

| Degree            | Student Name             | Institute      | Research Title                                                                                                                                                                                 | Supervisor                         | Report Status |
|-------------------|--------------------------|----------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------|---------------|
| M.Phil Physiology | Dr. Ibrahim Liaqat       | UHS Lahore     | Correlation of serum erythroferrone with serum iron and pepcidin in healthy, iron loading and deficiency anemia                                                                                | Dr. Saqib Sohail                   | Approved      |
| M.Phil Physiology | Dr. Iram Hashmi          | PGMI Lahore    | Serum levels of MDA (Malondialdehyde) and TNF alpha and lung function tests in the workers of plastic industry                                                                                 | Prof. Dr. Muniza Saeed             | Approved      |
| M.Phil Physiology | Dr. Iram Hashmi          | UHS Lahore     | Serum levels of MDA (Malondialdehyde) and TNF alpha and lung function tests in the workers of plastic industry                                                                                 | Prof. Dr. Muniza Saeed             | Approved      |
| M.Phil Physiology | Dr. Isma Meer            | PGMI Lahore    | Serum markers of oxidative stress in young non obese and obese subjects                                                                                                                        | Prof. Dr. Muniza Saeed             | Approved      |
| M.Phil Physiology | Dr. Izaz Ur Rahman       | UHS Lahore     | Pulmonary function test among asymptomatic rheumatoid lung disease patients and health individuals                                                                                             | Prof. Dr. Hamid Javaid Qureshi     | Approved      |
| M.Phil Physiology | Dr. Javaria Latif        | PGMI Lahore    | Hypoglycaemic and hypolipidaemic effects of turmeric in alloxan-induced diabetic rats                                                                                                          | Prof. Dr. Tanvir Ali Khan Shirwany | Approved      |
| M.Phil Physiology | Dr. Jawad Nawaz          | PGMI Lahore    | Exercise - Induced seasonal serum cortisol changes and their effect on blood cell count                                                                                                        | Prof. Dr. Tanvir Ali Khan Shirwany | Approved      |
| M.Phil Physiology | Dr. Kamran Ali           | UHS Lahore     | Serum oxytocin and somatostatin levels in cannabis and ecstasy users                                                                                                                           | Prof. Dr. Khalid Parvez Lone       | Approved      |
| M.Phil Physiology | Dr. Kanwal Ijaz          | UHS Lahore     | Glycated albumin and angiotensin-2 in type 2 diabetic patients with and without diabetic retinopathy,                                                                                          | Prof. Dr. Khalid Parvez Lone       | Approved      |
| M.Phil Physiology | Dr. Khawar Iqbal         | PGMI Lahore    | Correlation of serum resistin, leptin and CRP levels with pulmonary function tests in non-obese type 2 diabetic males                                                                          | Prof. Dr. Tanvir Ali Khan Shirwany | Approved      |
| M.Phil Physiology | Dr. Khurram Munir        | PGMI Lahore    | Serum angiotensin - converting enzyme and arterial pressure response to cotton dust exposure                                                                                                   | Prof. Dr. Tanvir Ali Khan Shirwany | Approved      |
| M.Phil Physiology | Dr. Komal Iqbal          | PGMI Lahore    | Comparison of effect of different prebiotics (Fructooligosaccharide, Galactooligosaccharide and Mannooligosaccharide) on the serum lipid profile and inflammatory markers of high fat fed rats | Prof. Dr. Muniza Saeed             | Approved      |
| M.Phil Physiology | Dr. Lubna Jabeen         | UHS Lahore     | IQ and serum Zinc, Iron and Magnesium levels in 5-11 years old children                                                                                                                        | Prof. Dr. Khalid Parvez Lone       | Approved      |
| M.Phil Physiology | Dr. Mah-e-Jabeen Raza    | UHS Lahore     | Urinary angiotensin converting enzyme-2, microalbuminuria and serum vitamin-D levels in non diabetic- hypertensive and type 2 diabetic hypertensive patients                                   | Prof. Dr. Khalid Parvez Lone       | Approved      |
| M.Phil Physiology | Dr. Mahmood Asif         | PMC Faisalabad | Correlation between serum ferritin level and thyroid & liver function tests in thalassemic patients receiving multiple blood transfusions                                                      | Prof. Dr. Tasneem Cheema           | Approved      |
| M.Phil Physiology | Dr. Mahwish Saeed        | UHS Lahore     | Comparison of serum glucagon like peptide-1 and cystatin C levels in PCOS and healthy women                                                                                                    | Prof. Dr. Khalid Parvez Lone       | Approved      |
| M.Phil Physiology | Dr. Maimoona Nasreen     | IPH Lahore     | Serum vitamin D levels and vitamin D receptor (VDR) gene polymorphism (Fok 1 and Apa) in type I diabetics                                                                                      | Prof. Dr. Khalid Parvez Lone       | Approved      |
| M.Phil Physiology | Dr. Maria Gill           | UHS Lahore     | Serum Hepcidin levels in chronic hepatitis C patients and its relation with serum iron and insulin resistance                                                                                  | Prof. Dr. Khalid Parvez Lone       | Approved      |
| M.Phil Physiology | Dr. Mariam Pervaiz       | PGMI Lahore    | Cardiovascular autonomic neuropathy in postmenopausal diabetic women                                                                                                                           | Prof. Dr. Muniza Saeed             | Approved      |
| M.Phil Physiology | Dr. Mehwsih Qamar        | PGMI Lahore    | Serum ferritin, leptin and insulin resistance in non alcoholic fatty liver disease                                                                                                             | Prof. Dr. Muniza Saeed             | Pending       |
| M.Phil Physiology | Dr. Merium Muzaffar      | UHS Lahore     | Vitamin D receptor (VDR) polymorphisms (Fok 1 and Bsm 1) and breast cancer risk in local population                                                                                            | Dr. Muhammad Usman Rashid          | Approved      |
| M.Phil Physiology | Dr. Mohsin Ali Cheema    | UHS Lahore     | Bone health and nutritional status in 5 – 11 years old children with intellectual disability                                                                                                   | Prof. Dr. Khalid Parvez Lone       | Approved      |
| M.Phil Physiology | Dr. Mona Mazhar          | UHS Lahore     | Expression analysis of KiSS-1 in females with polycystic ovary syndrome                                                                                                                        | Dr. Gulfan Ahmad Baryar            | Pending       |
| M.Phil Physiology | Dr. Mubashar-ul-Hassan   | UHS Lahore     | Serum inflammatory markers and relative prevalence of periodontal diseases in obese teenagers                                                                                                  | Prof. Dr. Tanvir Ali Khan Shirwany | Approved      |
| M.Phil Physiology | Dr. Mudassar Ali Roomi   | UHS Lahore     | Serum Vitamin D level and its relation with the metabolic syndrome in adult non-Diabetic offspring of type 2 Diabetic patients                                                                 | Prof. Dr. Khalid Parvez Lone       | Approved      |
| M.Phil Physiology | Dr. Muhammad Abdul Raziq | UHS Lahore     | Arsenic and Lead in serum and breast milk in female agricultural farm workers of Bahawalpur                                                                                                    | Prof. Dr. Khalid Parvez Lone       | Approved      |



| Degree            | Student Name                  | Institute   | Research Title                                                                                                                                              | Supervisor                         | Report Status |
|-------------------|-------------------------------|-------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------|---------------|
| M.Phil Physiology | Dr. Muhammad Anwar Qadri      | UHS Lahore  | Noise induced hearing loss in rickshaw drivers in local population of Lahore                                                                                | Prof. Dr. Hamid Javaid Qureshi     | Pending       |
| M.Phil Physiology | Dr. Muhammad Bin Naseer       | PGMI Lahore | Effect of exercise on plasma adiponectin levels and insulin resistance in diabetic and non-diabetic obese male patients                                     | Prof. Dr. Muniza Saeed             | Approved      |
| M.Phil Physiology | Dr. Muhammad Fawad Ahmad Khan | PGMI Lahore | Serum hepcidin and ferritin levels in children with anemia of iron deficiency and anemia associated with pulmonary tuberculosis                             | Prof. Dr. Muniza Saeed             | Approved      |
| M.Phil Physiology | Dr. Muhammad Imran            | UHS Lahore  | Early onset of renal function decline and its correlation with serum uric acid in diabetic nephropathy                                                      | Prof. Dr. Hamid Javaid Qureshi     | Approved      |
| M.Phil Physiology | Dr. Muhammad Imran Aftab      | PGMI Lahore | Metabolic syndrome and subclinical hypothyroidism in male subjects with and without myocardial infarction                                                   | Prof. Dr. Tanvir Ali Khan Shirwany | Approved      |
| M.Phil Physiology | Dr. Muhammad Sarwar           | PGMI Lahore | Comparison between sensitivity of ischemia modified albumin and troponin-T in early diagnosis of acute coronary syndrome                                    | Prof. Dr. Muniza Saeed             | Pending       |
| M.Phil Physiology | Dr. Muhammad Shahid Farooqi   | PGMI Lahore | Intraocular pressure in normal, hypertensive, diabetic and diabeto-hypertensive age-matched subjects                                                        | Prof. Dr. Tanvir Ali Khan Shirwany | Approved      |
| M.Phil Physiology | Dr. Muhammad Shahzad Saleem   | UHS Lahore  | Relationship of thyroid function in the low normal range with metabolic syndrome"                                                                           | Prof. Dr. Tanvir Ali Khan Shirwany | Approved      |
| M.Phil Physiology | Dr. Muhammad Shoaib           | PGMI Lahore | Study of serum magnesium levels and dyslipidemia in type 2 diabetes mellitus                                                                                | Prof. Dr. Hamid Javaid Qureshi     | Approved      |
| M.Phil Physiology | Dr. Muhammad Yaseen Bazai     | UHS Lahore  | Expression analysis of Acetyle CoA carboxylase and fatty acid synthase and serum lipid profile in healthy population and patients of HCV genotype 3a        | Prof. Dr. Khalid Parvez Lone       | Approved      |
| M.Phil Physiology | Dr. Nabiha Saeed              | UHS Lahore  | Comparison of Cardiovascular risk markers in woman exposed to biomass fuel and LPG fuel                                                                     | Prof. Dr. Muniza Saeed             | Approved      |
| M.Phil Physiology | Dr. Naghmana Lateef           | PGMI Lahore | Comparison of serum visfatin, aldosterone, sodium and potassium levels in obese and non-obese primary hypertensive subjects                                 | Prof. Dr. Tanvir Ali Khan Shirwany | Approved      |
| M.Phil Physiology | Dr. Naila Masood Riaz         | UHS Lahore  | Effect of Vitamin D supplementation on blood pressure, Proteinuria and aldosterone to renin Ratio in Preclampsia                                            | Prof. Dr. Muniza Saeed             | Approved      |
| M.Phil Physiology | Dr. Nauman Aziz               | UHS Lahore  | Single nucleotide polymorphisms (CYP 11 Alpha and CYP 17) and serum sex hormone binding globulin in normal and polycystic ovary syndrome                    | Prof. Dr. Khalid Parvez Lone       | Pending       |
| M.Phil Physiology | Dr. Naureen Khizar            | PGMI Lahore | Serum Vitamin D levels and glycemic control in children with type 1 Diabetes mellitus                                                                       | Prof. Dr. Muniza Saeed             | Approved      |
| M.Phil Physiology | Dr. Nida Naqvi                | PGMI Lahore | Association of red cell distribution width and high sensitivity C - reactive protein in non-obese and obese adult males without and with metabolic syndrome | Prof. Dr. Muniza Saeed             | Approved      |
| M.Phil Physiology | Dr. Nida Waseem               | UHS Lahore  | Comparison of Plasma surfactant A levels in control, stable and exacerbation COPD patients                                                                  | Prof. Dr. Khalid Parvez Lone       | Approved      |
| M.Phil Physiology | Dr. Qamar Shakoob             | UHS Lahore  | Effect of exogenous platelet activating factor on sperm capacitation and acrosome reaction in infertile male patients                                       | Prof. Dr. Hamid Javaid Qureshi     | Approved      |
| M.Phil Physiology | Dr. Rabia Tariq               | PGMI Lahore | Effet of extra virgin olive oil supplementation on serum levels of interleukin-1 $\beta$ and immunoglobulin-E in childhood asthma                           | Prof. Maj.Gen. Dr. Abdul Hannan    | Approved      |
| M.Phil Physiology | Dr. Rehan Yaqoob              | UHS Lahore  | Serum hepcidin and ferritin levels in gestational diabetes mellitus and pregnant women with type 2 diabetes mellitus                                        | Prof. Dr. Muniza Saeed             | Approved      |
| M.Phil Physiology | Dr. Rida Ajmal Khan           | UHS Lahore  | Plasma surfactant protein-D levels in healthy subjects and COPD patients with matched tobacco exposure                                                      | Prof. Dr. Khalid Parvez Lone       | Approved      |
| M.Phil Physiology | Dr. Riffat Naeem              | PGMI Lahore | Serum adiponectin levels in obese hypertensive, non-hypertensive and healthy male subjects                                                                  | Prof. Dr. Tanvir Ali Khan Shirwany | Approved      |
| M.Phil Physiology | Dr. Rizwana Hussain           | UHS Lahore  | Endometriosis and its association with TP53 gene (codon 72) polymorphism in Lahore                                                                          | Prof. Dr. Khalid Parvez Lone       | Approved      |
| M.Phil Physiology | Dr. Roheen Shakeel            | UHS Lahore  | Expression analysis of cellular genes TGF $\beta$ and VEGF in patients of chronic HCV (3a Genotype)                                                         | Prof. Dr. Khalid Parvez Lone       | Approved      |
| M.Phil Physiology | Dr. Rubbia Naveed             | UHS Lahore  | Serum bisphenol-A, Sex hormone binding globulin and testosterone levels in health wo,an and in woman with polycystic ovary syndrome.                        | Prof. Dr. Khalid Parvez Lone       | Approved      |



| Degree            | Student Name                | Institute   | Research Title                                                                                                                                      | Supervisor                         | Report Status |
|-------------------|-----------------------------|-------------|-----------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------|---------------|
| M.Phil Physiology | Dr. Saadullah               | PGMI Lahore | Serum vitamin D, parathyroid hormone and calcium levels in children with upper respiratory tract infections                                         | Prof. Dr. Muniza Saeed             | Approved      |
| M.Phil Physiology | Dr. Saba Khalid             | UHS Lahore  | Endocrine accompaniments in patients with nonfunctioning pituitary adenoma before and after surgery                                                 | Dr. Muhammad Arslan                | Approved      |
| M.Phil Physiology | Dr. Sabiha Iqbal            | PGMI Lahore | Vitamin D, Magnesium and Insulin resistance in obese males                                                                                          | Prof. Dr. Muniza Saeed             | Approved      |
| M.Phil Physiology | Dr. Sadaf Zia               | PGMI Lahore | Serum aldosterone and angiotensin II levels among textile mill workers                                                                              | Prof. Dr. Tanvir Ali Khan Shirwany | Approved      |
| M.Phil Physiology | Dr. Sadia Javaid            | UHS Lahore  | Serum soma tostatin and dopamine levels in polycystic ovary syndrome and normal woman                                                               | Prof. Dr. Khalid Parvez Lone       | Approved      |
| M.Phil Physiology | Dr. Sadia Nazir             | UHS Lahore  | Serum phthalates levels in normal and endometriotic females                                                                                         | Dr. Gulfan Ahmad Baryar            | Approved      |
| M.Phil Physiology | Dr. Sadia Zafar             | UHS Lahore  | Dispersion of QT Interval in uncomplicated Obesity                                                                                                  | Dr. Muhammad Arslan                | Approved      |
| M.Phil Physiology | Dr. Saima Mukhtar           | PGMI Lahore | Correlation of serum vitamin D levels with blood pressure, renin and aldosterone                                                                    | Prof. Dr. Tanvir Ali Khan Shirwany | Approved      |
| M.Phil Physiology | Dr. Salman Khalid           | UHS Lahore  | Adiponectin gene polymorphism 276G>T (rs1501299) and 11377C>G (rs266729) in normal and obese children                                               | Prof. Dr. Khalid Parvez Lone       | Approved      |
| M.Phil Physiology | Dr. Samina Malik            | UHS Lahore  | Breast cancer risk association with BRCA 1 and BRCA2 mutations in a local population females diagnosed with breast cancer                           | Dr. Muhammad Arslan                | Approved      |
| M.Phil Physiology | Dr. Samita Yasmin           | PGMI Lahore | Serum visfatin levels during third trimester and postpartum in normal pregnancy and gestational diabetes mellitus                                   | Prof. Dr. Muniza Saeed             | Approved      |
| M.Phil Physiology | Dr. Sana Rasheed Ch         | PGMI Lahore | Serum levels of ischemia modified albumin in patients with and without diabetic retinopathy                                                         | Prof. Dr. Muniza Saeed             | Approved      |
| M.Phil Physiology | Dr. Shagufta Khaliq         | PGMI Lahore | Obstructive Sleep Apnea and Cardiovascular Risk Markers in Obese Male Subjects                                                                      | Prof. Dr. Muniza Saeed             | Approved      |
| M.Phil Physiology | Dr. Shaheena Naz            | PGMI Lahore | Correlation of serum visfatin and IL-6 levels in obese and non obese male patients of coronary artery disease                                       | Prof. Dr. Muniza Saeed             | Approved      |
| M.Phil Physiology | Dr. Shaista Hussain         | PGMI Lahore | Parameters of metabolic syndrome in obese and non-obese women with polycystic ovaries                                                               | Prof. Dr. Tanvir Ali Khan Shirwany | Approved      |
| M.Phil Physiology | Dr. Shama Iqbal             | PGMI Lahore | Serum visfatin levels in obese and non-obese non-diabetics and obese type 2 diabetic subjects                                                       | Prof. Dr. Tanvir Ali Khan Shirwany | Approved      |
| M.Phil Physiology | Dr. Shazia Sultan           | UHS Lahore  | Adrenal gland function in natives of the Cholistan desert                                                                                           | Dr. Muhammad Arslan                | Approved      |
| M.Phil Physiology | Dr. Shazo Sana              | PGMI Lahore | Effect of Nigella sativa on oxidative stress in postmenopausal females                                                                              | Prof. Dr. Muniza Saeed             | Pending       |
| M.Phil Physiology | Dr. Sher Zamir              | PGMI Lahore | Effect on serum thyroid hormones thyroid stimulating hormone and glucose levels in alloxan-induced diabetic albino rats treated with Nigella stiva  | Prof. Dr. Tanvir Ali Khan Shirwany | Approved      |
| M.Phil Physiology | Dr. Shmyla Hamid            | PGMI Lahore | Extended APGAR score in different modes of delivery and anesthesia                                                                                  | Prof. Dr. Tanvir Ali Khan Shirwany | Approved      |
| M.Phil Physiology | Dr. Shumaila Doggar         | UHS Lahore  | Serum vitamin D levels and vitamin D receptor (VDR) gene (Apa1 Taq1) polymorphism in breast cancer                                                  | Prof. Dr. Khalid Parvez Lone       | Approved      |
| M.Phil Physiology | Dr. Sobia Niaz              | PGMI Lahore | Serum resistin as an inflammatory biomarker in patients of hypertension and coronary artery disease                                                 | Prof. Dr. Tanvir Ali Khan Shirwany | Approved      |
| M.Phil Physiology | Dr. Sohail Ata-ur-Rasool    | UHS Lahore  | Comparison of waist circumference and body mass index as predictors of pulmonary function                                                           | Prof. Dr. Tanvir Ali Khan Shirwany | Approved      |
| M.Phil Physiology | Dr. Sundus Tariq            | UHS Lahore  | Homocysteine, Vitamin D, Folate and bone mineral density in postmenopausal women                                                                    | Prof. Dr. Khalid Parvez Lone       | Approved      |
| M.Phil Physiology | Dr. Syeda Abeer Fatima      | PGMI Lahore | Correlation of Serum Anti-Mullerian and Follicle Stimulating Hormones with maturation of ovarian follicles after clomiphene citrate challenge test” | Prof. Dr. Muniza Saeed             | Approved      |
| M.Phil Physiology | Dr. Syeda Ijlal Zehra Zaidi | PGMI Lahore | Comparison of serum resistin levels in Non-Diabetic and Type 2 Diabetic obese subjects                                                              | Prof. Dr. Tanvir Ali Khan Shirwany | Approved      |
| M.Phil Physiology | Dr. Syeda Zainab            | UHS Lahore  | Validation study of non invasive parameters in predicting and grading esophageal varices                                                            | Prof. Dr. Hamid Javaid Qureshi     | Approved      |

| Degree            | Student Name        | Institute   | Research Title                                                                                                                           | Supervisor                         | Report Status |
|-------------------|---------------------|-------------|------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------|---------------|
| M.Phil Physiology | Dr. Tanzeela Akram  | UHS Lahore  | Polycystic ovary syndrome and its association with cardiovascular risk factors and serum insulin level index                             | Dr. Muhammad Arslan                | Approved      |
| M.Phil Physiology | Dr. Tashfeen Ikram  | PGMI Lahore | Serum visfatin, pancreatic beta cell function and insulin resistance in the first degree relatives of type II diabetic subjects          | Prof. Dr. Muniza Saeed             | Approved      |
| M.Phil Physiology | Dr. Usman Altaf     | UHS Lahore  | Comparison of serum vitamin D and vitamin B 12 in normal and depressed subjects                                                          | Prof. Dr. Khalid Parvez Lone       | Approved      |
| M.Phil Physiology | Dr. Uzair Mumtaz    | PGMI Lahore | A study of correlation of serum zinc with neutrophil function and IgG levels in different socioeconomic groups                           | Prof. Dr. Hamid Javaid Qureshi     | Approved      |
| M.Phil Physiology | Dr. Uzma Athar      | PGMI Lahore | Relationship of serum leptin levels to chronological age, body mass index and pubertal stages in girls                                   | Prof. Dr. Tanvir Ali Khan Shirwany | Approved      |
| M.Phil Physiology | Dr. Uzma Zargham    | UHS Lahore  | Insulin resistance and serum parameters of iron status in type 2 diabetics and in non diabetic offspring of type 2 diabetics             | Prof. Dr. Hamid Javaid Qureshi     | Approved      |
| M.Phil Physiology | Dr. Zunaira Hamayun | PGMI Lahore | Bronchial hyperresponsiveness and lung function tests in tannery workers and the effect of montelukast sodium on airway hypersensitivity | Prof. Dr. Muniza Saeed             | Approved      |
| M.Phil Physiology | Dr.Saqib Sohail     | UHS Lahore  | Red blood cell changes in Helicobacter pylori infected cases                                                                             | Prof. Dr. Hamid Javaid Qureshi     | Approved      |

| Degree            | Student Name             | Institute   | Research Title                                                                                                                                                           | Supervisor                   | Report Status |
|-------------------|--------------------------|-------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------|---------------|
| M.Phil Physiology | Dr. Baseera Imran        | UHS Lahore  | Relationship of heart rate variability and pulmonary function tests in chronic obstructive pulmonary disease                                                             | Prof. Dr. Muniza Saeed       | Approved      |
| M.Phil Physiology | Dr. Mashail Zahara Zaidi | UHS Lahore  | Assessment of cardiovascular and pulmonary functions in children with juvenile idiopathic arthritis                                                                      | Prof. Dr. Muniza Saeed       | Approved      |
| M.Phil Physiology | Dr. Sidra Latif          | UHS Lahore  | Comparison of cardiovascular disease risk markers between water pipe smokers and non-smoker healthy males                                                                | Prof. Dr. Muniza Saeed       | Approved      |
| M.Phil Physiology | Dr. Naila Ikram          | UHS Lahore  | Serum level of ischemia modified albumin and glial fibrillary acidic protein in patients with cerebral ischemia, intracerebral haemorrhage and transient ischemic attack | Prof. Dr. Muniza Saeed       | Approved      |
| M.Phil Physiology | Dr. Rabia Akhtar Cheema  | UHS Lahore  | Serum bisphenol-A and cardio-metabolic factors in male plastic factory workers and occupationally unexposed males                                                        | Prof. Dr. Khalid Parvez Lone | Approved      |
| M.Phil Physiology | Dr. Mehwish Rana         | UHS Lahore  | Serum leptin and resistin in patients of preeclampsia and normal primigravida females                                                                                    | Prof. Dr. Khalid Parvez Lone | Pending       |
| M.Phil Physiology | Dr. Durre Shehwar        | UHS Lahore  | Vitamin A, Vitamin E, Zinc and Copper Levels in women having 1st trimester miscarriage and normal pregnancy                                                              | Prof. Dr. Khalid Parvez Lone | Pending       |
| M.Phil Physiology | Dr. Nighat Parveen       | PGMI Lahore | Serum leptin, estrogen, progesterone and mammographic density in post menopausal women with and without carcinoma breast                                                 | Prof. Dr. Muniza Saeed       | Approved      |
| M.Phil Physiology | Dr. Saqib Javaid         | PGMI Lahore | Effect of VO2 max and serum lactate on Beta-Endorphin levels in male bodybuilders using anabolic steroids non users and non bodybuilders                                 | Prof. Muniza Saeed           | Approved      |
| M.Phil Physiology | Dr. Erum Arshad          | PGMI Lahore | Correlation of serum endocan, high sensitivity C-reactive protein and pentaxin 3 levels with the severity of coronary artery disease                                     | Prof. Muniza Saeed           | Approved      |
| M.Phil Physiology | Dr. Maryam Ijaz          | PGMI Lahore | Serum levels of osteocalcin and vitamin D in type 2 male diabetic patients                                                                                               | Prof. Muniza Saeed           | Approved      |
| M.Phil Physiology | Dr. Muhammad Atique      | PGMI Lahore | Serum testosterone and sex hormone binding globulin levels in males with and without metabolic syndrome                                                                  | Prof. Muniza Saeed           | Approved      |
| M.Phil Physiology | Dr. Umar Ijaz            | PGMI Lahore | Comparison of blood pressure, norepinephrine and plasma renin levels in obese and non-obese adult males                                                                  | Dr. Saqib Sohail             | Approved      |
| M.Phil Physiology | Dr. Nimrah Siddique      | UHS Lahore  | Comparison of serum homocysteine and folic acid levels in patients with acute myocardial infarction and normal healthy individuals                                       | Dr. Asima Karim              | Approved      |
| M.Phil Physiology | Dr. Aisha Bashir         | UHS Lahore  | Comparison of serum vitamin D level in acute myocardial infarction patients (with and without diabetes mellitus type 2) and normal healthy individuals                   | Dr. Asima Karim              | Approved      |
| M.Phil Physiology | Dr. Jawaria Waseem       | PGMI Lahore | Preventive role of vitamin D and Omega-3 in development of metabolic syndrome in rats                                                                                    | Prof. Muniza Saeed           | Approved      |
| M.Phil Physiology | Dr. Madiha Akram         | PGMI Lahore | Psychological disorders and sleep studies in young male smartphone users                                                                                                 | Prof. Fozia Farzana          | Approved      |
| M.Phil Physiology | Dr. Noor Zahra           | PGMI Lahore | Preventive effect of Ajwa dates, raisins and their combination on metabolic syndrome in rat model                                                                        | Prof. Muniza Saeed           | Approved      |
| M.Phil Physiology | Dr. Naima Khalid         | PGMI Lahore | Comparison of serum surfactant protein D (SP-D) levels and pulmonary functions in obese and non obese male diabetics                                                     | Prof. Muniza Saeed           | Approved      |
| M.Phil Physiology | Dr. Faiza Rehman         | PGMI Lahore | Cardiovascular risk assessment and its association with the level of physical activity in obese and non obese postmenopausal females                                     | Prof. Muniza Saeed           | Pending       |
| M.Phil Physiology | Dr. Shagufta Nasir       | UHS Lahore  | Serum levels of SIRT-6 and gene expression of NF-kB signaling pathway in obese and non-obese osteoarthritis patients                                                     | Dr. Asima Karim              | Approved      |
| M.Phil Physiology | Dr. Aasia Kanwal         | UHS Lahore  | Comparison of serum vitamin B12, homocysteine and glutathione peroxidase levels in subjects with gestational diabetes mellitus and healthy pregnant controls             | Dr. Asima Karim              | Approved      |
| M.Phil Physiology | Dr. Madiha Noor          | PGMI Lahore | Ambulatory blood pressure and hormone levels during different phases of menstrual cycle in female with and without premenstrual syndrome                                 | Prof. Muniza Saeed           | Approved      |
| M.Phil Physiology | Dr. Asma Ashraf          | PGMI Lahore | Serum estradiol, oxidative stress markers and brainstem auditory evoked potential in pre-, peri and post-menopausal females                                              | Prof. Muniza Saeed           | Approved      |
| M.Phil Physiology | Dr. Fareena Ahmad        | UHS Lahore  | Association of CTRP9 and CTRP15 serum levels with HOMA-IR and HOMA-B in metabolic syndrome patients with and without cardiovascular disease                              | Dr. Saba Khaliq              | Pending       |
| M.Phil Physiology | Dr. Javeria Zafar        | UHS Lahore  | Serum placenta specific 1 (PLAC 1) and serum oxidative stress markers levels in patients of breast cancer and healthy controls                                           | Dr. Asima Karim              | Pending       |
| M.Phil Physiology | Dr. Saima Zareen         | UHS Lahore  | Evaluation of pulmonary function tests and vitamin D level in pre & post-menopausal women                                                                                | Prof. Sibgha Zulfiqar        | Approved      |
| M.Phil Physiology | Dr. Moniba Irum          | PGMI Lahore | Cardiovascular and biochemical markers of vascular calcification in patients of chronic kidney disease on haemodialysis                                                  | Prof. Muniza Saeed           | Approved      |

| Degree            | Student Name       | Institute    | Research Title                                                                                                                                                                  | Supervisor            | Report Status |
|-------------------|--------------------|--------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------|---------------|
| M.Phil Physiology | Dr. Seher Naeem    | PGMI Lahore  | Effect of ginger supplementation and exercise on levels of serum SIRT1, irisin and insulin resistance in type 2 diabetic rat model                                              | Prof. Muniza Saeed    | Pending       |
| M.Phil Physiology | Dr. Ruqaiyya Nazir | PGMI Lahore  | Antioxidant and hepatoprotective effect of extra virgin olive oil and apple cider vinegar in type diabetic rat model                                                            | Prof. Muniza Saeed    | Approved      |
| M.Phil Physiology | Dr. Bushra Naheed  | PGMI Lahore  | Sperm-DNA integrity and semen parameters in male patient with unexplained infertility                                                                                           | Prof. Muniza Saeed    | Approved      |
| M.Phil Physiology | Dr. Saria Gulzar   | PGMI Lahore  | Effect of vitamin D supplementation of glycemic control vitamin D deficient pre-diabetics                                                                                       | Prof. Muniza Saeed    | Approved      |
| M.Phil Physiology | Dr. Sana Akhlaq    | UHS Lahore   | Comparison of secreted frizzled related protein 4, insulin resistance and waist to height ratio in healthy subjects with and without family history of type 2 diabetes mellitus | Dr. Saba Khaliq       | Approved      |
| M.Phil Physiology | Dr. Javaria Zafar  | UHS Lahore   | Serum placenta specific 1 (PLAC 1) levels in treated and non-treated females with breast cancer                                                                                 | Dr. Asma Salam        | Approved      |
| M.Phil Physiology | Dr. Sidra Zahid    | PGMI Lahore  | Association of inflammatory markers with severity of asthma in obese and nonobese asthmatic children                                                                            | Prof. Muniza Saeed    | Approved      |
| M.Phil Physiology | Dr. Hira Zahid     | SZPMI Lahore | Correlation of serum surfactant protein D and pulmonary function tests in obese type 2 diabetic patients                                                                        | Prof. Sibgha Zulfiqar | Pending       |
| M.Phil Physiology | Dr. Amina Majid    | PGMI Lahore  | Assessment of glycemic control in patients of advanced chronic kidney disease with diabetes                                                                                     | Prof. Muniza Saeed    | Pending       |

| Degree                             | Student Name               | Institute    | Research Title                                                                                                                                | Supervisor                  | Report Status |
|------------------------------------|----------------------------|--------------|-----------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------|---------------|
| M.Phil Physiology                  | Dr. Ahmad Ather            | PGMI Lahore  | Effect of ischemic preconditioning on exercise performance in healthy young adult males                                                       | Prof. Muniza Saeed          | Approved      |
| M.Phil Physiology                  | Dr. Ayesha Alam            | PGMI Lahore  | Effect of Moringa oleifera leaf extract and honey on hematological parameters in rat model of anemia                                          | Prof. Muniza Saeed          | Approved      |
| M.Phil Physiology                  | Dr. Sana Rasheed           | SZPMI Lahore | Salivary ALPHA-2 macroglobulin as a potential biomarker for glycemic control in elderly patients of type 2 diabetes mellitus                  | Prof. Sibgha Zulfikar       | Approved      |
| M.Phil Physiology                  | Dr. Shafeen Zulfikar       | SZPMI Lahore | Correlation of FGF-1 levels and its genetic variation in type 2 diabetes mellitus with and without obesity                                    | Dr. Faraz Ahmed Bokhari     | Pending       |
| M.Phil Science of Dental Materials | Dr. Aneela Qaiser          | PGMI Lahore  | Hepatotoxic effect of Nickel Sulphate in Mice                                                                                                 | Prof. Dr. Sohail Abbas Khan | Approved      |
| M.Phil Science of Dental Materials | Dr. Faheem Abrar           | PGMI Lahore  | Comparison of sheer bond strength and microleakage of resin modified glass ionomer cement with the use of etchants                            | Prof. Dr. Sohail Abbas Khan | Approved      |
| M.Phil Science of Dental Materials | Dr. Hina Khalid            | PGMI Lahore  | Elution of TEGDMA from bulk fill versus conventional composite used for cavity fillings”                                                      | Prof. Dr. Sohail Abbas Khan | Approved      |
| M.Phil Science of Dental Materials | Dr. Hira Asghar            | PGMI Lahore  | Comparison of shear bond strength of prepared silorane based and methacrylate based composite repaired with silorane based composite          | Prof. Dr. Sohail Abbas Khan | Approved      |
| M.Phil Science of Dental Materials | Dr. Kulsoom Zahra          | UHS Lahore   | Synthesis and characterizations of a novel soft lining material ofr potential denture application                                             | Dr. Abdul Samad Khan        | Approved      |
| M.Phil Science of Dental Materials | Dr. Maleeha Ahmed          | PGMI Lahore  | A comparative evaluation of surface microhardness of three restorative materials when exposed to acidic beverages                             | Prof. Dr. Sohail Abbas Khan | Approved      |
| M.Phil Science of Dental Materials | Dr. Mariam Raza Syed       | UHS Lahore   | Synthesis and characterization of a novel bio-active reinforced glass fiber based dental composites                                           | Dr. Abdul Samad Khan        | Approved      |
| M.Phil Science of Dental Materials | Dr. Mehvish Sajjad         | UHS Lahore   | Shear bond strenght of etch and rinse adhesive to dentin: compariosn of bond strength after acid and papacarie pretreatment                   | Prof. Dr. Sohail Abbas Khan | Approved      |
| M.Phil Science of Dental Materials | Dr. Muhammad Tauqeer Ehsan | PGMI Lahore  | Comparison of retention of base metal crowns with resin adhesives and glass ionomer cement                                                    | Prof. Dr. Sohail Abbas Khan | Approved      |
| M.Phil Science of Dental Materials | Dr. Nadia Munir            | PGMI Lahore  | Evaluation of the shear bond strength at amalgam composite interface using two intermediate materials                                         | Prof. Dr. Sohail Abbas Khan | Approved      |
| M.Phil Science of Dental Materials | Dr. Nazish Gul             | UHS Lahore   | Evalutaion and comparison of antibacterail properties of equia coat functionalized with zinc oxide and tiania nanoparticles                   | Dr. Badar Munir             | Approved      |
| M.Phil Science of Dental Materials | Dr. Qura Tul Ain Idrees    | UHS Lahore   | Comparative evaluation of conventional equia coat with Zinc Oxide (ZnO) and titanium dioxide (TiO2) modified equia coat restorative materail  | Dr. Badar Munir             | Approved      |
| M.Phil Science of Dental Materials | Dr. Qurat Ul Ain Malik     | UHS Lahore   | Synthesis and characterizations of navel injectabl bioactive glass for potential application in periodontal defects                           | Dr. Abdul Samad Khan        | Approved      |
| M.Phil Science of Dental Materials | Dr. Sadia Manzoor          | UHS Lahore   | Effect of different mouth washes on surface microhardness of microhybrid and nanocomposite an invitro study                                   | Prof. Dr. Sohail Abbas Khan | Approved      |
| M.Phil Science of Dental Materials | Dr. Saira Khalid           | PGMI Lahore  | Effect of collagen cross linkers on shear bond strength at composite resin – dentin interface                                                 | Prof. Dr. Sohail Abbas Khan | Approved      |
| M.Phil Science of Dental Materials | Dr. Zartashia Arooj        | PGMI Lahore  | Evaluation and comparison of coefficient of thermal expansion of esthetic restorative materials                                               | Prof. Dr. Sohail Abbas Khan | Approved      |
| M.Phil Science of Dental Materials | Dr. Zenab Sarfraz          | PGMI Lahore  | Determination of shear bond strength of nanocomposite to porcelain and metal alloy                                                            | Prof. Dr. Sohail Abbas Khan | Approved      |
| M.Phil Science of Dental Materials | Dr. Saadia Bano Lone       | UHS Lahore   | Synthesis and evaluation of monomer conversation and mechanical properties of a polylysine based dental composite                             | Dr. Muhammad Adnan Khan     | Approved      |
| M.Phil Science of Dental Materials | Dr. Muhammad Zeeshan       | UHS Lahore   | Synthesis and characterization of novel miswak fiber based dental composites                                                                  | Dr. Saad Liaquat            | Approved      |
| M.Phil Science of Dental Materials | Dr. Zahra Shafqat          | UHS Lahore   | Effect of reactive calcium phosphate fillers and chlorhexidine on chemical, mechanical and in vitro bioactivity of PPG-based dental composite | Dr. Muhammad Adnan Khan     | Approved      |
| M.Phil Science of Dental Materials | Dr. Usama Siddiqui         | UHS Lahore   | Synthesis & evaluation of mechanical properties of a novel bioactive fiber based dental resin composite                                       | Dr. Abdul Samad Khan        | Approved      |
| M.Phil Science of Dental Materials | Dr. Zainab Sultan          | PGMI Lahore  | Assessment of chemical, mechanical and microscopic properties of novel self-adhesive dental composite                                         | Dr. Saad Liaquat            | Approved      |

| Degree                              | Student Name               | Institute   | Research Title                                                                                                                                                                | Supervisor                   | Report Status |
|-------------------------------------|----------------------------|-------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------|---------------|
| M.Phil Science of Dental Materials  | Dr. Noureen Jahanzed       | UHS Lahore  | Synthesis, degradative and fluoride release behavior of a novel flourid containing bioactive glass                                                                            | Dr. Abdul Samad Khan         | Approved      |
| M.Phil Science of Dental Materials  | Dr. Mehvish Saleem         | UHS Lahore  | Evaluation of monomer leaching and biocompatibility of a noval bioactive fiber reinforced dental composite                                                                    | Dr. Abdul Samad Khan         | Pending       |
| M.Phil Science of Dental Materials  | Dr. Nadia Irshad           | UHS Lahore  | Synthesis and characterization of a smart injectable fluoride-doped bioactive glass material                                                                                  | Dr. Abdul Samad Khan         | Approved      |
| M.Phil Science of Dental Materials  | Dr. Sundus Iftikhar        | UHS Lahore  | Evaluation of dentine regeneration with injectable bioactive glass                                                                                                            | Dr. Abdul Samad Khan         | Approved      |
| M.Phil Science of Dental Materials  | Dr. Daud Anthony           | PGMI Lahore | Measurement of abrasivity of newly developed bioactive dentifrices: An in vitro study                                                                                         | Dr. Abdul Samad Khan         | Approved      |
| M.Phil Science of Dental Materials  | Dr. Nadia Tabassum         | PGMI Lahore | Induction of odontogenic differentiation of human dental pulp sten cells by tidegulsib                                                                                        | Dr. Saeed ur Rahman          | Approved      |
| M.Phil Science of Dental Materials  | Dr. Iqra Batool            | PGMI Lahore | Effect of adding peek composite & aluminum oxide filler particles on flexural strength of a denture base acrylic                                                              | Dr. Saira Khalid             | Approved      |
| M.Phil Science of Dental Materials  | Dr. Muhammad Imran Ameer   | PGMI Lahore | In-vitro comparsion of shear bond strenght of type IX glass ionomer cement and conventional glass ionomer cement with normal and papacarie gel treated caries affected dentin | Prof. Sohail Abbas Khan      | Approved      |
| M.Phil Science of Dental Materials  | Dr. Hammad Hassan          | PGMI Lahore | Characterization of denture base acrylic resin reinforced with lignocellulose based bio-fillers                                                                               | Dr. Saira Khalid             | Approved      |
| M.Phil Science of Dental Materials  | Dr. Urooj Waseem           | PGMI Lahore | Comparison of physico-mechanical properties between Cention N and Tetric N ceram bulk fill                                                                                    | Dr. Urooj Waseem             | Approved      |
| M.Phil Science of Dental Materials  | Dr. Mohammad Abi Waqas     | PGMI Lahore | Remineralization and ion leaching analysis from CPP-ACP and copper doped bioactive glass chewing gums: An ex vivo comparative study                                           | Dr. Abdul Samad Khan         | Approved      |
| M.Phil Science of Dental Materials  | Dr. Farwa Zahid            | UHS Lahore  | Experimental study of interfacial properties and degradation of glass ionomer cement modified using fluorinated graphene                                                      | Dr. Saira Khalid             | Approved      |
| M.Phil Science of Dental Materials  | Dr. Anooshay Ejaz          | UHS Lahore  | Physicomechanical evaluation and comparison of chitosan reinforced fluoroaluminosilicate dental cements - (zirconomer and glass ionomer cement)                               | Dr. Saira Khalid             | Pending       |
| M.Phil MLS Cytotechnology           | Ms. Iqra Ejaz              | UHS Lahore  | Detection of mycobacterium tuberculosis through immunocytochemistry and immunofluorescence form cervical lymph node aspirates.                                                | Prof. Abdul Hannan Nagi      | Pending       |
| M.Phil MLS Cytotechnology           | Ms. Gul-e-Zar              | UHS Lahore  | Comparative detection of mycobacterium tuberculosis by conventional histochemical and immunofluorescent staining on imprint cytology smears from lymph nodes                  | Dr. Nadia Naseem             | Pending       |
| M.Phil MLS Cytotechnology           | Ms. Rakhshanda Shabbir     | UHS Lahore  | In silico Pan-Cancer evaluation and erufosine mediated effects on the transcriptomic profiling of DHRS gene family in multiple cancer cell lines                              | Mr. Syed Mohsin Raza Bokhari | Approved      |
| M.Phil MLS Cytotechnology           | Mr. Farhan Abdul Majeed    | UHS Lahore  | In silico Pan-Cancer evaluation and erufosine mediated effects on the transcriptomic profiling of FMO gene family in multiple cancer cell lines                               | Mr. Syed Mohsin Raza Bokhari | Approved      |
| M.Phil MLS Pathology & Cytogenetics | Mr. Muhammad Shoaib Akhtar | UHS Lahore  | Molecular basis of cell cycle arrest by erufosine in breast and colorectal cancer cells                                                                                       | Dr. Asim Pervaiz             | Pending       |
| M.Phil MLS Pathology & Cytogenetics | Ms. Saira Munir            | UHS Lahore  | Identification of mutations in tyrosinase (TYR) gene associated with congenital oculocutaneous albinism and an in silico analysis of these mutations                          | Dr. Muhammad Ikram Ullah     | Approved      |
| M.Phil MLS Pathology & Cytogenetics | Syeda Shafia Ali           | UHS Lahore  | Riproximin mediated effects on cell cycle relevant genes in breast and colorectal cancer cells                                                                                | Dr. Asim Pervaiz             | Pending       |
| M.Phil MLS Pathology & Cytogenetics | Dr. Iqra Aizaz             | UHS Lahore  | Genetic screening of Irrk2 gene/ mutation hot-spot in patients with parkinson's disease                                                                                       | Prof. Saqib Mahmood          | Approved      |
| M.Phil MLS-Microbiology             | Ms. Farah Akhter Khan      | UHS Lahore  | Gene expression of efflux pump gene Rv1217c and Rv1218c in drug susceptible and multidrug resistant mycobacterium tuberculosis                                                | Dr. Sidrah Saleem            | Approved      |
| M.Phil MLS-Microbiology             | Mr. Ijaz Ahmed             | UHS Lahore  | Bacteriological analysis of water from filtration plants in Lahore                                                                                                            | Dr. Sidrah Saleem            | Pending       |



| Degree                    | Student Name             | Institute    | Research Title                                                                                                                                           | Supervisor                  | Report Status |
|---------------------------|--------------------------|--------------|----------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------|---------------|
| M.Phil MLS-Microbiology   | Ms. Tayyaba Dastgir      | UHS Lahore   | Antimicrobial activity, bacteriocin extraction and molecular profiling of culturable endophytes from <i>Olea europaea</i> and <i>phoenix dactylifera</i> | Dr. Muhammad Imran          | Approved      |
| M.Phil MLS-Microbiology   | Ms. Mahwish Asif         | UHS Lahore   | Isolation of salmonella enterica serovar typhi including MDR and XDR strains and its specific bacteriophage from sewage water                            | Dr. Muhammad Imran          | Approved      |
| M.Phil MLS-Microbiology   | Ms. Rabia Tayyab         | UHS Lahore   | Analysis of colony phase variation switch in <i>Acinetobacter baumannii</i> for impact on adherence with epithelial cells and IL-8 induction             | Dr. Irfan Ahmad             | Approved      |
| M.Phil MLS-Microbiology   | Ms. Khaizran Siddique    | UHS Lahore   | Involvement of GGDEF/EAL domain proteins of <i>Acinetobacter baumannii</i> 17978 in adherence to epithelial cells                                        | Dr. Irfan Ahmad             | Approved      |
| M.Phil MLS-Microbiology   | Mr. Aqib Javaid          | UHS Lahore   | Expressional analysis of CsuA/B Pilli subunits in <i>Acinetobacter baumannii</i> colony phase variants                                                   | Dr. Irfan Ahmad             | Approved      |
| M.Phil Community Medicine | Dr. Umbreen Navied       | IPH Lahore   | Assessment of the quality of life of HIV positive individuals in tertiary care hospitals using WHO QOL-BREF questionnaire                                | Prof. Rubina Sarmad         | Approved      |
| M.Phil Community Medicine | Dr. Tehmina Anjum Bashir | IPH Lahore   | Effect of healthy education intervention on hand washing knowledge and practices among primary school children                                           | Dr. Tajammal Mustafa        | Approved      |
| M.Phil Community Medicine | Dr. Shamim Iqbal         | IPH Lahore   | Nutritional status of mothers and their children 2- 5 years of age and it association with household food insecurity                                     | Prof. Tajammal Mustafa      | Approved      |
| M.Phil Community Medicine | Dr. Fawadia Khan         | IPH Lahore   | Quality of life caregivers of thalassemia patients                                                                                                       | Prof. Tajammal Mustafa      | Approved      |
| M.Phil Community Medicine | Dr. Sajeela Naseem Fazal | IPH Lahore   | Association of ABO blood groups with obesity among blood donors in tertiary care hospital of Lahore                                                      | Dr. Humaira Zareen          | Approved      |
| M.Phil Community Medicine | Dr. Nazli Sufi           | IPH Lahore   | Dengue seroprevalence among reproductive aged women (15-49 years) residing in slum areas of Lahore                                                       | Dr. Humaira Zareen          | Approved      |
| M.Phil Community Medicine | Dr. Imran Maqsood Butt   | IPH Lahore   | Pulmonary function parameters in the workers of Lahore based marble workshops and age matched healthy individuals                                        | Dr. Shahnaz Rauf            | Approved      |
| M.Phil Community Medicine | Dr. Summia Khan          | IPH Lahore   | Seroprevalence of measles antibodies in children: gaps in measles protection”                                                                            | Prof. Zarfishan Tahir       | Approved      |
| M.Phil Community Medicine | Dr. Saadia Malik         | IPH Lahore   | Assessment of epidemiology, clinico-pathological parameters and co-morbidities among mild/moderate and severe Covid-19 patients in Punjab”               | Dr. Saima Ayub              | Approved      |
| M.Phil Community Medicine | Dr. Rukhsana Hameed      | IPH Lahore   | Assessment of mental health and effects of pandemic Covid-19 in urban adolescent population                                                              | Prof. Zarfishan Tahir       | Approved      |
| M.Phil Community Medicine | Dr. Javaria Nasim        | IPH Lahore   | Effects of behavioral change communication methods on knowledge, attitude and practices regarding leishmaniasis in metropolitan city, Multan Pakistan    | Dr. Muhammad Hussain Cheema | Approved      |
| M.Phil Community Medicine | Dr. Maryam               | IPH Lahore   | Frequency of developmental delay among children aged 1-5 years and its association with malnutrition                                                     | Dr. Saima Ayub              | Approved      |
| M.Phil Community Medicine | Dr. Hafiza Asma Nazir    | SZPMI Lahore | Frequency and predictors of burnout among postgraduate clinical residents                                                                                | Dr. Ayesha Humayoun         | Approved      |
| M.Phil Community Medicine | Dr. Habib Ullah Joiya    | IPH Lahore   | Seroprevalence of covid-19 in adult population of Gulberg town, Lahore using quantitative IgG antibody test                                              | Dr. Tahir Mahmud            | Approved      |



| Degree                                        | Student Name                   | Institute    | Research Title                                                                                                                                                                         | Supervisor             | Report Status |
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| M.Phil Community Medicine                     | Dr. Mirza Farrukh Hussain Beig | IPH Lahore   | Seroprevalence of HIV, HBV and HCV and behavioral factors among truckers in Lahore, Pakistan                                                                                           | Dr. Tahir Mahmud       | Approved      |
| M.Phil Community Medicine                     | Dr. Sabin Nasir                | IPH Lahore   | Validation of risk assessment tool for type 2 diabetes (RAT-D) in adults of Lahore Punjab                                                                                              | Prof. Zarfshan Tahir   | Approved      |
| M.Phil Community Medicine                     | Dr. Samima Batool              | SZPMI Lahore | Hospital preparedness and its associated factors in preventing mother baby mix-ups and abduction in public sector hospitals of districts Lahore                                        | Prof. Ayesha Humayun   | Approved      |
| M.Phil Community Medicine                     | Dr. Rashida Anjum              | IPH Lahore   | Assessment of nutritional status, workplace psychological stress and work related musculoskeletal pain among adolescent female domestic workers working in Sher Shah Town, Multan City | Dr. Saima Ayub         | Approved      |
| M.Phil Community Medicine                     | Dr. Mahriq Fatima              | IPH Lahore   | Pulmonary function test of women expose to smoke during cooking with various combustibles in Vahowa district Dera Ghazi Khan, Punjab                                                   | Dr. Saima Ayub         | Approved      |
| M.Phil MLS-Immunology                         | Ms. Fatima Ayub                | UHS Lahore   | Determination of anti-smooth muscle and anti-liver kidney microsomal type 1 autoantibodies and their association with HLADRB1 (*04) allele in patients with chronic hepatitis C        | Prof. Dr. Nadeem Afzal | Approved      |
| M.Phil MLS-Immunology                         | Mr. Waqar Amin                 | UHS Lahore   | Cell surface expression of Fc *RI receptor on CD14+ monocytes in TB patients                                                                                                           | Prof. Dr. Nadeem Afzal | Pending       |
| M.Phil MLS-Immunology                         | Ms. Shagufta Jabeen            | UHS Lahore   | Determination of Th17 cells in TB patients                                                                                                                                             | Prof. Dr. Nadeem Afzal | Approved      |
| M.Phil MLS-Immunology                         | Ms. Rabia Siddiqua             | UHS Lahore   | Association of HLA-DRβ 1 complex with susceptibility and severity in COVID-19 patients                                                                                                 | Dr. Shah Jahan         | Approved      |
| M.Phil MLS-Immunology                         | Ms. Faiza Ilyas                | UHS Lahore   | The CCR5-Δ32 genetic polymorphism, expression of CCR5 and CCL5 and its correlation with CD4 +T cell count in HIV infected patients                                                     | Dr. Shah Jahan         | Approved      |
| M.Phil MLS-Cytogenetics                       | Ms. Anaiza Afzal               | UHS Lahore   | Molecular genetic studies in families with autosomal recessive congenital pain insensitivity (CIP)                                                                                     | Dr. Saqib Mahmood      | Approved      |
| M.Phil MLS-Molecular Pathology & Cytogenetics | Mr. Muhammad Haroon Bhatti     | UHS Lahore   | Acanthamoeba castellanii (T4 genotype) as a growth stimulator of salmonella typhimurium                                                                                                | Dr. Irfan Ahmad        | Approved      |
| M.Phil MLS-Molecular Pathology & Cytogenetics | Mr. Talha Saleem               | UHS Lahore   | Effects of riproximin on expressional profiling of anticancer genes (Apoptin, NOXA) in breast cancer cells                                                                             | Dr. Asim Pervaiz       | Approved      |
| M.Phil MLS-Molecular Pathology & Cytogenetics | Mr. Ali Raza Abdullah          | UHS Lahore   | Erufosine mediated effects on transcriptomic profile of tumor suppressor and oncogenes in breast cancer cells                                                                          | Dr. Asim Pervaiz       | Approved      |
| M.Phil MLS-Molecular Pathology & Cytogenetics | Ms. Iqra Shaukat               | UHS Lahore   | Cytotoxic effects of synthetic alkyl phospholipid (Erufosine) in combination with chemotherapeutic agents (5-Fluroracil and Oxaliplatin) against colorectal cancer cells               | Dr. Asim Pervaiz       | Approved      |
| M.Phil MLS-Molecular Pathology & Cytogenetics | Mr. Shafiq Ahmad Chaudhry      | UHS Lahore   | Expression and correlation of AXL in interferon non-responder DAA treated and untreated hepatitis C patients                                                                           | Dr. Bisma Rauff        | Approved      |
| M.Phil MLS-Molecular Pathology & Cytogenetics | Ms. Ghazla Riaz                | UHS Lahore   | Characterization of genetic variability and drug resistance in protease gene of HIV-1 isolates circulating in Pakistan                                                                 | Dr. Saqib Mahmood      | Approved      |

| Degree                                                  | Student Name           | Institute  | Research Title                                                                                                                                                                    | Supervisor         | Report Status |
|---------------------------------------------------------|------------------------|------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------|---------------|
| M.Phil MLS-<br>Molecular<br>Pathology &<br>Cytogenetics | Ms. Hafiz Hina Aslam   | UHS Lahore | Mutations leading of amikacin resistance and co-existence of rifampicin and isoniazied resistance in mycobacterium tuberculosis                                                   | Dr. Irfan Ahmad    | Approved      |
| M.Phil MLS-<br>Molecular<br>Pathology &<br>Cytogenetics | Ms. Asma Khan          | UHS Lahore | Riproximin mediated effects on transcriptomic profile of P13K/AKT/MTOR pathway in breast cancer cell lines                                                                        | Dr. Asim Pervaiz   | Approved      |
| M.Phil MLS-<br>Molecular<br>Pathology &<br>Cytogenetics | Ms. Kiran Riaz         | UHS Lahore | Effect of riproximin on expressional profiling of apoptosis related genes in breast cancer cells                                                                                  | Dr. Asim Pervaiz   | Approved      |
| M.Phil MLS-<br>Molecular<br>Pathology &<br>Cytogenetics | Ms. Sunia Karam Din    | UHS Lahore | Identification of Mycobacterium tuberculosis strains at specie level and genetic analysis of PncA gene in pyrazinamide resistant isolates                                         | Dr. Irfan Ahmad    | Approved      |
| M.Phil MLS-<br>Molecular<br>Pathology &<br>Cytogenetics | Mr. Rizwan Ullah Khan  | UHS Lahore | Role of diguanylate cyclase enzyme AIS_3296 and imipenem in pili mediated biofilm formation of Acinetobacter baumannii 17978                                                      | Dr. Irfan Ahmad    | Approved      |
| M.Phil MLS-<br>Molecular<br>Pathology &<br>Cytogenetics | Mr. Naubakht Ali Saggi | UHS Lahore | The role of Csu,type 4 Pili forming genes and Ais-3296 in adherence of acinetobacter baumannii with epithelial cells and induction of pro-inflammatory immune response production | Dr. Irfan Ahmad    | Approved      |
| M.Phil MLS-<br>Molecular<br>Pathology &<br>Cytogenetics | Ms. Ayesha Rahim       | UHS Lahore | KLF1 exon 2 variations and their association with HbF and HbA2 levels in beta thalassemia                                                                                         | Dr. Saqib Mehmood  | Approved      |
| M.Phil MLS-<br>Molecular<br>Pathology &<br>Cytogenetics | Ms. Kinzah Kanwal      | UHS Lahore | Cytotoxic effect of Alkyl-phospholipids (Erufosine and Perifosine) in combination with cell cycle check point inhibitors (ATM and ATR) in breast cancer cells                     | Dr. Asim Pervaiz   | Approved      |
| M.Phil MLS-<br>Molecular<br>Pathology &<br>Cytogenetics | Ms. Adeela Batool      | UHS Lahore | Riproximin mediated cytostatic effects and expressional modifications in cell cycle related genes in lung cancer cells                                                            | Dr. Asim Pervaiz   | Approved      |
| M.Phil MLS-<br>Molecular<br>Pathology &<br>Cytogenetics | Ms. Marriyam Nasim     | UHS Lahore | Effects of erufosine on cell cycle and its related genes in lung cancer cells”                                                                                                    | Dr. Asim Pervaiz   | Approved      |
| M.Phil MLS-<br>Molecular<br>Pathology &<br>Cytogenetics | Ms. Maira Khan         | UHS Lahore | Development of allele specific PCR for isoniazid resistant mycobacterium tuberculosis and genetic analysis of inhA promoter in multi drug resistant isolates”                     | Dr. Muhammad Imran | Approved      |
| M.Phil MLS-<br>Molecular<br>Pathology &<br>Cytogenetics | Mr. Nazakat Shafiq     | UHS Lahore | Effect of erufosine on cell cycle related genes I liver cancer cells”                                                                                                             | Dr. Asim Pervaiz   | Approved      |
| M.Phil MLS-<br>Molecular<br>Pathology &<br>Cytogenetics | Mr. Ubaidullah Iqbal   | UHS Lahore | Riproximin medicated cytotoxic effects and expressional modifications in cell cycle related genes in liver cancer cells                                                           | Dr. Asim Pervaiz   | Approved      |

| Degree                                        | Student Name             | Institute  | Research Title                                                                                                                                                    | Supervisor                   | Report Status |
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| M.Phil MLS-Molecular Pathology & Cytogenetics | Ms. Saba Saeed           | UHS Lahore | Effects of a ribosomal inactivating plant protein (RIPROXIMIN) on transcriptomic profile of tumor suppressor and oncogene in breast cancer cells                  | Dr. Asim Pervaiz             | Approved      |
| M.Phil MLS-Molecular Pathology & Cytogenetics | Mr. Faisal Zia           | UHS Lahore | In silico structural modelling and phylogenetic characterization of RBD of S gene variants of local Covid-19 isolates                                             | Dr. Irfan Ahmad              | Approved      |
| M.Phil MLS-Molecular Pathology & Cytogenetics | Ms. Faiza Malik          | UHS Lahore | Expressional profile.ng of plasma miRNAs (let-7b-5p, miR-122-5p, miR-146b-5p, miR-215-5p and miR-210-3p) in breast cancer patients                                | Dr. Saqib Mehmood            | Approved      |
| M.Phil MLS-Molecular Pathology & Cytogenetics | Mr. Waqas Ahmed          | UHS Lahore | In silico structural modelling and phylogenetic Characterization of ORF8 gene variants of local COVID-19 isolates                                                 | Mr. Syed Mohsin Raza Bokhari | Approved      |
| M.Phil MLS-Molecular Pathology & Cytogenetics | Ms. Mehak Javed          | UHS Lahore | Expressional profiling of four microRNAs panel (miR-30a-5p, miR-155, miR-221, and miR-9) in breast cancer patients                                                | Dr. Saqib Mehmood            | Approved      |
| M.Phil MLS-Molecular Pathology & Cytogenetics | Ms. Hamna Arshad Butt    | UHS Lahore | Optimization of MAS-PCR for isoniazid and rifampicin resistant MTB and genetic analysis of rpoB gene hotspot in MDR isolates                                      | Dr. Irfan Ahmad              | Approved      |
| M.Phil MLS-Molecular Pathology & Cytogenetics | Mr. Abdul Malik          | UHS Lahore | Comparative analysis of colony phase variation switch of Acinetobacter baumannii for virulence in mice                                                            | Dr. Irfan Ahmad              | Approved      |
| M.Phil MLS-Molecular Pathology & Cytogenetics | Ms. Aiman Riaz           | UHS Lahore | Role of GGDEF/EAL proteins of acinetobacter baumannii in the induction of cytokine IL-8 from SW-480 cell line, and virulence in mouse model                       | Dr. Irfan Ahmad              | Approved      |
| M.Phil MLS-Chemical Pathology                 | Ms. Anam Khalid          | UHS Lahore | Estimation & Comparison of glucose, urea and electrolytes in sodium fluoride tube, plain tube and glyceraldehyde tube                                             | Dr. Sumbla Ghaznavi          | Approved      |
| M.Phil MLS-Chemical Pathology                 | Mr. Haji Muhammad Rashid | UHS Lahore | Comparison of eosinophil derived neurotoxin, IgE and absolute eosinophil count in sever persistent asthmatic and non-asthmatic adults                             | Dr. Sumbla Ghaznavi          | Approved      |
| M.Phil MLS-Chemical Pathology                 | Dr. Muhammad Umer        | UHS Lahore | Determination and comparison of urinary periostin, urinary alpha-1-microglobulin and urinary albumin to creatinine ration in patients of type 2 diabetes mellitus | Dr. Sumbla Ghaznavi          | Approved      |
| M.Phil MLS-Haematotechnology                  | Mr. Rana Muhammad Yousaf | UHS Lahore | Diagnostic validity of ELISA technique for the detection of Glanzmann's Thrombasthenia                                                                            | Prof. Shahida Mohsin         | Approved      |
| M.Phil MLS-Haematotechnology                  | Mr. Muhammad Javed       | UHS Lahore | Comparison of iron status, reticulocyte hemoglobin content and combined cell index between single time and frequent blood donors                                  | Prof. Shahida Mohsin         | Approved      |
| M.Phil MLS-Haematotechnology                  | Mr. Rohullah             | UHS Lahore | The role of MDR1 gene polymorphism (C3435T) in acute myeloid leukemia in Pakistani population                                                                     | Dr. Nazish Mazari            | Pending       |

| Degree                                    | Student Name            | Institute   | Research Title                                                                                                                                                                                                         | Supervisor                      | Report Status |
|-------------------------------------------|-------------------------|-------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------|---------------|
| M.Phil MLS-Haematotechnology              | Ms. Javeria Sikandar    | UHS Lahore  | Erythrocyte alloimmunization and autommunization among multi transfused patients of chronic renal failure                                                                                                              | Dr. Nazish Mazari               | Approved      |
| M.Phil MLS-Haematotechnology              | Mr. Muhammad Ramzan     | UHS Lahore  | Determination of CD-26 on leukemic stem cells in peripheral blood of chronic myeloid leukemia patients with and without tyrosine kinase inhibitors therapy                                                             | Dr. Nazish Mazari               | Approved      |
| M.Phil MLS-Haematotechnology              | Mr. Ahmad Ali           | UHS Lahore  | Comparative analysis of endothelial dysfunction and iron deficiency markers in patients of polycythemia                                                                                                                | Dr. Nazish Mazari               | Approved      |
| M.Phil MLS-Haematotechnology              | Ms. Iqra Rabbani        | UHS Lahore  | Association of COX-1 (rs1330344) gene polymorphism with aspirin resistance                                                                                                                                             | Dr. Nazish Mazari               | Approved      |
| M.Phil MLS-Haematotechnology              | Mr. Nasir Muhammad      | UHS Lahore  | Association of polymorphism of factor V Leiden (G1691A) and prothrombin (G20210A) with thrombosis in covid-19 patients                                                                                                 | Dr. Muhammad Asif Naveed        | Approved      |
| M.Phil MLS-Histotechnology                | Ms. Sumaira Niaz        | UHS Lahore  | Cytokeratin (CK5) expression by immunohistochemistry on cell block and immunocytochemistry by using liquid based cytology                                                                                              | Dr. Rabia Anjum                 | Approved      |
| M.Phil MLS-Histotechnology                | Mr. Tuaha Amjad         | UHS Lahore  | Comparative antigenic determination with Michel's transport medium and direct freezing methods on frozen sections                                                                                                      | Prof. Nadia Naseem              | Approved      |
| M.Phil Human Genetics & Molecular Biology | Ms. Maham Amjad         | UHS Lahore  | Sequence analysis of glycoprotein IB/IX/V complex genes in Pakistani patients with Bernard Soulier syndrome                                                                                                            | Prof. Dr. Shagufta Khaliq       | Approved      |
| M.Phil Human Genetics & Molecular Biology | Mr. Muhammad Daood Khan | UHS Lahore  | Manipulation of gamma globin gene promotor at -196 via prime editing of mimic heredity persistence of fetal hemoglobin                                                                                                 | Prof. Fridoon Jawad Ahmad       | Approved      |
| M.Phil Human Genetics & Molecular Biology | Ms. Sadaf Tahir         | UHS Lahore  | Prime editing-based induction of mutation in HBG promoter at - 114 to imitate heredity persistence of fetal hemoglobin                                                                                                 | Dr. Mahmood Saba Choudhery      | Approved      |
| M.Phil Human Genetics & Molecular Biology | Ms. Bukhtawar Tariq     | UHS Lahore  | Mutational analysis of ABCA4 gene in inherited stargardt disease                                                                                                                                                       | Dr. Muneer Ahmad                | Approved      |
| M.Phil Microbiology                       | Dr. Aamir Jamal Gondal  | UHS Lahore  | In vitro efficacy of combinations of ceftazidime with meropenem, ceftazidime with piperacillin, ceftazidime with amikacin and ceftazidime with ciprofloxacin against extensively-drug resistant Pseudomonas aeruginosa | Prof. Maj.Gen. Dr. Abdul Hannan | Approved      |
| M.Phil Microbiology                       | Dr. Abid Raza           | PGMI Lahore | Frequency of Toxoplasma Gondii IgM and IgG antibodies in pregnant women during first trimester                                                                                                                         | Dr. Iffat Javed                 | Approved      |
| M.Phil Microbiology                       | Dr. Afsheen Ijaz        | UHS Lahore  | Inhibition and disruption of Acinetobacter baumannii biofilm using combinations of colistin with beri honey and colistin with rifampin                                                                                 | Prof. Maj.Gen. Dr. Abdul Hannan | Approved      |

| Degree              | Student Name               | Institute       | Research Title                                                                                                                                                                                                      | Supervisor                      | Report Status |
|---------------------|----------------------------|-----------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------|---------------|
| M.Phil Microbiology | Dr. Alina Amjad            | AFIP Rawalpindi | In vitro efficacy of modified Hodge test for detection of carbapenemase in gram negative isolated among specimens received for culture and sensitivity at AFIP                                                      | Brig. Shahid Ahmad Abbasi       | Approved      |
| M.Phil Microbiology | Dr. Amber Habib            | RMC Rawalpindi  | To determine the frequency of carbapenemases producing enterobacteriaceae using Modified Hodge Test, on Mueller Hinton agar versus Mac Conkey agar amongst the admitted patients of Holy Family Hospital Rawalpindi | Prof. Dr. Abbas Hayat           | Approved      |
| M.Phil Microbiology | Dr. Ambreen Shabbir        | UHS Lahore      | Susceptibility pattern of black pigmented anaerobic periodontal pathogens to propolis extract                                                                                                                       | Prof. Maj.Gen. Dr. Abdul Hannan | Approved      |
| M.Phil Microbiology | Dr. Amina Asif             | PGMI Lahore     | Frequency of nasal carriage of methicillin resistant Staphylococcus aureus in health care personnel and Staphylococcal Cassette Chromosome mec typing I to V of the isolates                                        | Dr. Iffat Javed                 | Approved      |
| M.Phil Microbiology | Dr. Amna Hafeez            | UHS Lahore      | Rapid identification of Mycobacterium Tuberculosis in Cerebrospinal fluid using BACTEC MGIT 960                                                                                                                     | Prof. Maj.Gen. Dr. Abdul Hannan | Approved      |
| M.Phil Microbiology | Dr. Aneela Khawaja         | PGMI Lahore     | Comparison of latex agglutination with PCR for detection of mecA gene product in methicillin resistant staphylococcus aureus                                                                                        | Dr. Iffat Javed                 | Approved      |
| M.Phil Microbiology | Dr. Asim Saeed             | AFIP Rawalpindi | The role of loop-mediated isothermal amplification in the early & rapid detection of tuberculosis                                                                                                                   | Brig. Shahid Ahmad Abbasi       | Pending       |
| M.Phil Microbiology | Dr. Asma Ejaz              | UHS Lahore      | In vitro Salmonella typhi biofilm formation on gall stones & its disruption by Manuka honey                                                                                                                         | Prof. Maj.Gen. Dr. Abdul Hannan | Approved      |
| M.Phil Microbiology | Dr. Ateeba Musaddaq        | PGMI Lahore     | A study on the detection of AmpC beta lactamase among Enterobacteriaceae isolated from different clinical specimens in a tertiary care hospital by three phenotypic methods                                         | Dr. Iffat Javed                 | Pending       |
| M.Phil Microbiology | Dr. Attiya Rasool Qureshi  | AFIP Rawalpindi | In vitro efficacy of colistin by E strip and agar dilution method against multi-drug resistant gram negative rods isolated from clinical specimens in tertiary care hospital                                        | Brig. Shahid Ahmad Abbasi       | Approved      |
| M.Phil Microbiology | Dr. Ayesha Sajjad          | PGMI Lahore     | Detection of metallo beta lactamase by double disc synergy test, using 2 - mercaptopropionic acid (phenotypic method) and PCR (genotypic method) among gram negative bacilli non fermenters                         | Dr. Iffat Javed                 | Approved      |
| M.Phil Microbiology | Dr. Ayesha Yousaf          | UHS Lahore      | Efficacy of intravenous honey in mouse typhoid                                                                                                                                                                      | Prof. Maj.Gen. Dr. Abdul Hannan | Pending       |
| M.Phil Microbiology | Dr. Azfar Sattar           | AFIP Rawalpindi | In vitro efficacy of linezolid against vancomycin resistant enterococci                                                                                                                                             | Brig. Shahid Ahmad Abbasi       | Approved      |
| M.Phil Microbiology | Dr. Bushra Yasmin Chaudhry | RMC Rawalpindi  | Vaginal carriage rate of group B Streptococcus in pregnant women and its transmission to the newborn neonates                                                                                                       | Prof. Dr. Abbas Hayat           | Approved      |
| M.Phil Microbiology | Dr. Faiqa Arshad           | PGMI Lahore     | Comparison of minimum inhibitory concentration of vancomycin , linezolid, quinopristin / dalfopristin for mecA product proven Staphylococcus aureus in hospitalized patients                                        | Dr. Iffat Javed                 | Approved      |
| M.Phil Microbiology | Dr. Fareeha Ali Khan       | RMC Rawalpindi  | Detection of Chlamydia trachomatis antibodies in fertile and infertile married women visiting Holy Family Hospital, Rawalpindi                                                                                      | Prof. Dr. Abbas Hayat           | Approved      |
| M.Phil Microbiology | Dr. Farhan Rasheed         | UHS Lahore      | Acinetobacter – an opportunist turned dangerous pathogen and its possible sensitivity to Pakistani Beri (Ziziphus Jujuba) honey                                                                                     | Prof. Maj.Gen. Dr. Abdul Hannan | Approved      |
| M.Phil Microbiology | Dr. Farhat Khurshid        | RMC Rawalpindi  | Frequency of ESBL-producing Enterobacteriaceae isolates in ICU settings in a tertiary care hospital                                                                                                                 | Prof. Dr. Abbas Hayat           | Approved      |
| M.Phil Microbiology | Dr. Faryal Safdar          | RMC Rawalpindi  | Frequency determination for cutaneous leishmaniasis by using PCR on skin lesion aspirate among clinically suspected cases in Rawalpindi region                                                                      | Brig. Gohar Zaman               | Approved      |
| M.Phil Microbiology | Dr. Fazal-ur-Rehman        | UHS Lahore      | Synergistic antimicrobial activity of Black seed (Nigella sativa) with ciprofloxacin against isolates of multidrug resistant Salmonella typhi                                                                       | Prof. Maj.Gen. Dr. Abdul Hannan | Pending       |
| M.Phil Microbiology | Dr. Fizza Khalid           | UHS Lahore      | In vitro efficacy of polymyxin B with Rifampin, Colistin and Doxycycline against extensively drug resistant Acinetobacter baumannii                                                                                 | Prof. Maj.Gen. Dr. Abdul Hannan | Approved      |

| Degree              | Student Name                      | Institute       | Research Title                                                                                                                                                   | Supervisor                      | Report Status |
|---------------------|-----------------------------------|-----------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------|---------------|
| M.Phil Microbiology | Dr. Hafiz Muhammad Majid Jehangir | UHS Lahore      | Antimicrobial susceptibility pattern of Porphyromonas gingivalis in periodonitis                                                                                 | Prof. Maj.Gen. Dr. Abdul Hannan | Approved      |
| M.Phil Microbiology | Dr. Hina Bukhari                  | RMC Rawalpindi  | Frequency of Chlamydia trachomatis infection in association with ectopic pregnancies in a tertiary care hospital of Rawalpindi                                   | Prof. Dr. Abbas Hayat           | Approved      |
| M.Phil Microbiology | Dr. Humaira Zafar                 | RMC Rawalpindi  | Sero-prevalence of Dengue fever (IgG) in adults of Rawalpindi City                                                                                               | Prof. Dr. Abbas Hayat           | Approved      |
| M.Phil Microbiology | Dr. Iram Yousaf Malik             | UHS Lahore      | Comparison of Pakistani beri honey and silver sulfadiazine as a topical antibacterial agent in infected wounds                                                   | Prof. Maj.Gen. Dr. Abdul Hannan | Approved      |
| M.Phil Microbiology | Dr. Javeria Gul                   | PGMI Lahore     | Evaluation of phenotypic methods for detection of metallo-beta-lactamase production in gram negative non fermenter rods                                          | Dr. Iffat Javed                 | Approved      |
| M.Phil Microbiology | Dr. Kanwal Hassan Cheema          | PGMI Lahore     | Detection of Heteroresistant Vancomycin Intermediate Staphylococcus aureus (hVISA) in Isolates of MRSA by using Vancomycin Screen Agar and E test GRD            | Dr. Iffat Javed                 | Approved      |
| M.Phil Microbiology | Dr. Khadijah Waris                | UHS Lahore      | In vitro antimicrobial activity of Nigella sativa ( Kalongi) extract against porphyromonas gingivalis                                                            | Prof. Maj.Gen. Dr. Abdul Hannan | Pending       |
| M.Phil Microbiology | Dr. Kiran Fatima                  | RMC Rawalpindi  | Diagnosis of Hepatitis C Virus Infection in human blood using ELISA and Raman spectroscopy                                                                       | Prof. Dr. Abbas Hayat           | Approved      |
| M.Phil Microbiology | Dr. M. Tamour Ashiq               | RMC Rawalpindi  | Prevalence of respiratory syncytial virus (RSV) infection in children on assisted ventilation                                                                    | Prof. Dr. Abbas Hayat           | Approved      |
| M.Phil Microbiology | Dr. Madiha Mumtaz                 | UHS Lahore      | Identification of non type-able serotypes of group B streptococci by polymerase chain reaction                                                                   | Prof. Maj.Gen. Dr. Abdul Hannan | Pending       |
| M.Phil Microbiology | Dr. Majid Rauf Ahmad              | PGMI Lahore     | Evaluation of Chicago sky blue stain and dermatophyte test medium against traditional diagnostic methods of dermatophyte infections                              | Dr. Iffat Javed                 | Approved      |
| M.Phil Microbiology | Dr. Maryam Farooq                 | UHS Lahore      | Serotypes of Group B streptococcus colonizing pregnant women                                                                                                     | Prof. Maj.Gen. Dr. Abdul Hannan | Approved      |
| M.Phil Microbiology | Dr. Mehwish Raja                  | UHS Lahore      | Association of oral candidal carriage with dental caries in children                                                                                             | Prof. Maj.Gen. Dr. Abdul Hannan | Approved      |
| M.Phil Microbiology | Dr. Mehwish Saba                  | UHS Lahore      | Susceptibility pattern of clinical isolate of multidrug resistant Mycobacterium tuberculosis against second line antituberculosis drug                           | Prof. Maj.Gen. Dr. Abdul Hannan | Approved      |
| M.Phil Microbiology | Dr. Muhammad Aamir Ashiq          | UHS Lahore      | Detection of Dengue viral RNA and Serotyping in NSI positive sera b PCR                                                                                          | Prof. Maj.Gen. Dr. Abdul Hannan | Pending       |
| M.Phil Microbiology | Dr. Muhammad Ashraf               | UHS Lahore      | Microbiological and susceptibility pattern of asymptomatic bateriuria in pregnant women                                                                          | Prof. Maj.Gen. Dr. Abdul Hannan | Approved      |
| M.Phil Microbiology | Dr. Muhammad Barkaat Hussain      | UHS Lahore      | Screening of Pakistani honeys for antibacterial potential against Salmonella typhi                                                                               | Prof. Maj.Gen. Dr. Abdul Hannan | Approved      |
| M.Phil Microbiology | Dr. Muhammad Bilal                | UHS Lahore      | Antimicrobial activity of Garlic (Allium sativm) against clinical isolates of Vibrio cholerae                                                                    | Prof. Maj.Gen. Dr. Abdul Hannan | Approved      |
| M.Phil Microbiology | Dr. Muhammad Shahbaz Hussain      | UHS Lahore      | Role of honey in disruption of Salmonella typhi biofilm in vitro                                                                                                 | Prof. Maj.Gen. Dr. Abdul Hannan | Approved      |
| M.Phil Microbiology | Dr. Muhammad Yasir                | UHS Lahore      | The antibacterial activity of methylglyoxal-reconstituted Beri honey against extended spectrum $\beta$ -lactamase and carbapenemase producing gram negative rods | Prof. Maj.Gen. Dr. Abdul Hannan | Approved      |
| M.Phil Microbiology | Dr. Muna Malik                    | PGMI Lahore     | Frequency and pattern of bacterial and fungal pathogens in clinically diagnosed infetive keratitis in corneal scrapings                                          | Dr. Iffat Javed                 | Approved      |
| M.Phil Microbiology | Dr. Nadia Wali                    | AFIP Rawalpindi | In vitro efficacy of doripenem and imipenem against multidrug resistant Pseudomonas aeruginosa by E-strip and agar dilution methods                              | Col. Irfan Ali Mirza            | Approved      |
| M.Phil Microbiology | Dr. Naureen Sarwar                | PGMI Lahore     | In-vitro antibacterial effect of chewing sticks (miswak) of different plants on Streptococcus mutans                                                             | Dr. Rubeena Hafeez              | Approved      |
| M.Phil Microbiology | Dr. Noor ul Ain Butt              | PGMI Lahore     | To demonstrate the antimicrobial activity of colistin and polymyxin B against carbapenemase producing gram negative rods                                         | Dr. Iffat Javed                 | Pending       |



| Degree              | Student Name                  | Institute       | Research Title                                                                                                                                                                                                  | Supervisor                      | Report Status |
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| M.Phil Microbiology | Dr. Qurrat-ul-ain Elahi       | RMC Rawalpindi  | Analysis of PVL and TSST1 genes in MRSA and MSSA isolates from nasal, anal and vaginal colonization in pregnant women                                                                                           | Prof. Dr. Abbas Hayat           | Approved      |
| M.Phil Microbiology | Dr. Sadia Chaudhry            | UHS Lahore      | Rapid identification and susceptibility pattern of clinical isolates of mycobacterium tuberuclosis using BACTEC MGIT 960                                                                                        | Prof. Maj.Gen. Dr. Abdul Hannan | Approved      |
| M.Phil Microbiology | Dr. Sadia Ilyas               | UHS Lahore      | Pattern of periodontal microorganisms in patients with preterm delivery                                                                                                                                         | Prof. Maj.Gen. Dr. Abdul Hannan | Approved      |
| M.Phil Microbiology | Dr. Saeed Ahmad               | PGMI Lahore     | Detection of plasmid mediated ampC beta- lactamases among Escherichia coli and Klebsiella pneumoniae by comparing a phenotypic ampc disk method with genotypic method using multiplex PCR                       | Dr. Iffat Javed                 | Approved      |
| M.Phil Microbiology | Dr. Saera Tufail              | RMC Rawalpindi  | Comparison of different isolation techniques of ova of intestinal parasites from stool                                                                                                                          | Prof. Dr. Abbas Hayat           | Approved      |
| M.Phil Microbiology | Dr. Saima Inam                | UHS Lahore      | Synergistic antimicrobial activity of garlic extract (Allium sativum) with ciprofloxacin against isolates of Salmonella typhi                                                                                   | Prof. Maj.Gen. Dr. Abdul Hannan | Approved      |
| M.Phil Microbiology | Dr. Saima Ishtiaq             | UHS Lahore      | Molecular detection of bla <sub>oxa</sub> -23 gene and bla <sub>OXA</sub> -51 gene in carbapenem resistant strains of acinetobacter baumannii with ventilator associated pneumonia at tertiary care centre.     | Dr. Sidrah Saleem               | Approved      |
| M.Phil Microbiology | Dr. Sara Masood Cheema        | UHS Lahore      | Evaluation of microbiological quality of water used for hemodialysis                                                                                                                                            | Prof. Maj.Gen. Dr. Abdul Hannan | Pending       |
| M.Phil Microbiology | Dr. Sarah                     | UHS Lahore      | Molecular detection of bla <sub>KPC</sub> in clinical isolates of gram negative rods                                                                                                                            | Prof. Maj.Gen. Dr. Abdul Hannan | Approved      |
| M.Phil Microbiology | Dr. Sarah Qadeer              | PGMI Lahore     | Frequency of Extended Spectrum $\beta$ -lactamases (ESBLs) and Amp C $\beta$ - lactamase producing Escherichia coli and Klebsiella pneumoniae isolated from neonatal sepsis in a tertiary care hospital, Lahore | Dr. Iffat Javed                 | Approved      |
| M.Phil Microbiology | Dr. Shumaila Shakir           | UHS Lahore      | Isolation and identification of dermatophytes and their antifungal susceptibility to ketoconazole, fluconazole, clotrimazole, miconazole and terbinafine by agar diffusion neo-sensitabs method"                | Prof. Maj.Gen. Dr. Abdul Hannan | Approved      |
| M.Phil Microbiology | Dr. Sidra Zaman               | PGMI Lahore     | Detection of biofilm forming uropathogens recovered from catheter tip and direct urine culture specimen and its relation with antimicrobial resistance                                                          | Dr. Iffat Javed                 | Approved      |
| M.Phil Microbiology | Dr. Sidrah Saleem             | UHS Lahore      | In Vitro antibacterial activity of Nigella Sativa                                                                                                                                                               | Prof. Maj.Gen. Dr. Abdul Hannan | Approved      |
| M.Phil Microbiology | Dr. Sonia Tahir               | UHS Lahore      | Association of bla <sub>VIM</sub> genes with multidrug resistance in locally isolated strains of Pseudomonas aeruginosa and Acinetobacter baumannii                                                             | Dr. Sidrah Saleem               | Pending       |
| M.Phil Microbiology | Dr. Sumayyah Akhtar Khan      | UHS Lahore      | Antibacterial activity of Neem (Azadirachta Indica) leaf extracts against bacteria causing wound infection                                                                                                      | Prof. Maj.Gen. Dr. Abdul Hannan | Approved      |
| M.Phil Microbiology | Dr. Syed Murtaza Ali Shah     | RMC Rawalpindi  | Molecular characterization of ciprofloxacin resistant genes in MRSA in a tertiary care hospital of Rawalpindi, Pakistan                                                                                         | Prof. Dr. Naeem Akhtar          | Approved      |
| M.Phil Microbiology | Dr. Syeda Fatima Sughra Rizvi | RMC Rawalpindi  | Seroprevalence of Rubella infection in female medical students of Rawalpindi Medical College                                                                                                                    | Prof. Dr. Abbas Hayat           | Approved      |
| M.Phil Microbiology | Dr. Tabassum Mahmood          | UHS Lahore      | Seroprevalence of cytomegalovirus in pregnant women in a tertiary care hospital, Rawalpindi                                                                                                                     | Prof. Dr. Naeem Akhtar          | Pending       |
| M.Phil Microbiology | Dr. Umaira Ahsan              | UHS Lahore      | Maternal carriage rate of group B Streptococcus                                                                                                                                                                 | Prof. Maj.Gen. Dr. Abdul Hannan | Approved      |
| M.Phil Microbiology | Dr. Umar Khalid Cheema        | UHS Lahore      | Isolation and antimicrobial susceptibility profile of microorganisms isolated from ventilator associated pneumonia patients of Southern Punjab Pakistan                                                         | Dr. Sidrah Saleem               | Approved      |
| M.Phil Microbiology | Dr. Umme Farwa                | AFIP Rawalpindi | The pattern of non-dermatophyte moulds as a causative agent of onychomycosis                                                                                                                                    | Brig. Shahid Ahmad Abbasi       | Approved      |
| M.Phil Microbiology | Dr. Zeeshan Ahmed Qureshi     | AFIP Rawalpindi | In vitro efficacy of daptomycin against clinical isolates of methicillin resistant Staphylococcus aureus (MRSA)                                                                                                 | Brig. Shahid Ahmad Abbasi       | Approved      |
| M.Phil Microbiology | Dr. Zill-e-Huma               | PGMI Lahore     | Detection of biofilm forming by clinical isolates of staphylococcus by the tube method and its comparison with microtitre plate assay                                                                           | Dr. Iffat Javed                 | Pending       |



| Degree              | Student Name              | Institute       | Research Title                                                                                                                                                                          | Supervisor             | Report Status |
|---------------------|---------------------------|-----------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------|---------------|
| M.Phil Microbiology | Dr. Zoobia Faisal         | UHS Lahore      | Frequency of streptococcus mutans in dental plaque by PCR                                                                                                                               | Dr. Sidrah Saleem      | Pending       |
| M.Phil Microbiology | Ms. Naila Rafiq           | RMC Rawalpindi  | Seroprevalence of Toxoplasmosis (IgG) in blood donors in Benazir Bhutto Hospital, Rawalpindi Pakistan                                                                                   | Prof. Dr. Abbas Hayat  | Approved      |
| M.Phil Microbiology | Umaira Faiz               | AFIP Rawalpindi | Efficacy of zinc as an antibacterial agent against enteric pathogens                                                                                                                    | Brig. Prof. Tariq Butt | Approved      |
| M.Phil Microbiology | Ms. Amna Ikram            | UHS Lahore      | Antimicrobial activity by solvents extracted from Osimum basilicum herb against multidrug resistant gram negative rods                                                                  | Dr. Sidrah Saleem      | Approved      |
| M.Phil Microbiology | Dr. Syed Muhammad Ali     | UHS Lahore      | Detection of past chlamydia trachomatis infection in male partners of infertile couples visiting the fertility clinics                                                                  | Prof. Dr. Abbas Hayat  | Pending       |
| M.Phil Microbiology | Dr. Sadaf Munir           | PGMI Lahore     | In Vitro antimicrobial Activity of vancomycin, linezolid daptomycin tigecycline and ceftaroline against nosocomial MRSA isolates                                                        | Dr. Iffat Javed        | Approved      |
| M.Phil Microbiology | Dr. Afshan Zia            | UHS Lahore      | In-vitro efficacy of imipenem with tigecycline, vancomycin and amikacin against extensively drug resistance Acinetobacter baumannii                                                     | Dr. Sidrah Saleem      | Approved      |
| M.Phil Microbiology | Dr. Atiq Adeel            | UHS Lahore      | Detection of pyrazinamide resistance in isoniazid and rifampicin resistant Mycobacterium tuberculosis and the effect of verapamil on the resistant strains                              | Dr. Sidrah Saleem      | Approved      |
| M.Phil Microbiology | Dr. Zoobia Nazar Dar      | UHS Lahore      | Antimicrobial activity of various fractions from aleo vera against extended spectrum beta lactamases producing gram negative rods                                                       | Dr. Sidrah Saleem      | Approved      |
| M.Phil Microbiology | Dr. Faiza Javaid Tariq    | UHS Lahore      | Microbiological profile and susceptibility pattern of organisms in rhinosinusitis                                                                                                       | Dr. Sidrah Saleem      | Approved      |
| M.Phil Microbiology | Dr. Sehrish Saleem        | UHS Lahore      | Analysis of Uropathogenic E.coli for virulence gene of somatic and capsular antigen                                                                                                     | Dr. Sidrah Saleem      | Approved      |
| M.Phil Microbiology | Dr. Rai Gull Faraz        | PGMI Lahore     | Frequency of association of PVL gene with MRSA (both community associated and hospital acquired) and their SCCmec typing in a tertiary care hospital of Lahore                          | Prof. Iffat Javed      | Approved      |
| M.Phil Microbiology | Dr. Sidra Liaqat          | PGMI Lahore     | Procalcitonin as an early marker for detection of neonatal sepsis compared with positivity of blood cultures                                                                            | Prof. Iffat Javed      | Approved      |
| M.Phil Microbiology | Dr. Zohaib Ashraf         | PGMI Lahore     | Antifungal susceptibility pattern of albicans and non albicans candida species among hospitalized patients                                                                              | Dr. Iffat Javed        | Pending       |
| M.Phil Microbiology | Dr. Mehreen Afzal         | NMU Multan      | Detection of metallo beta lactamase (MBL) producing Pseudomonas aeruginosa from infected wounds of hospitalized patients                                                                | Dr. Asghar Javaid      | Approved      |
| M.Phil Microbiology | Dr. Buzm Rehman           | UHS Lahore      | Antimicrobial susceptibility pattern of group B Streptococcus, phenotypic characterization and molecular detection of ermB and mefA genes in erythromycin resistant strains             | Dr. Sidrah Saleem      | Approved      |
| M.Phil Microbiology | Dr. Nazia Akber Mir       | UHS Lahore      | Isolation of multi drug resistant E.coli from drinking water of Lahore city, Pakistan                                                                                                   | Dr. Sidrah Saleem      | Pending       |
| M.Phil Microbiology | Dr. Nida Javed            | UHS Lahore      | Microbiological profile and susceptibility pattern of enteropathogenic organisms in raw broiler chicken meat                                                                            | Dr. Sidrah Saleem      | Approved      |
| M.Phil Microbiology | Dr. Muhammad Waseem Abbas | PGMI Lahore     | Effect of three different chemical disinfectants on reduction of bacterial load (aerobic & facultative) in operation theatres of a tertiary care hospital of Lahore                     | Dr. Iffat Javed        | Approved      |
| M.Phil Microbiology | Dr. Rabia Ali             | UHS Lahore      | Determination of antimicrobial drug activity in commercially available broiler chicken meat and offal (liver and kidney)                                                                | Dr. Sidrah Saleem      | Approved      |
| M.Phil Microbiology | Dr. Roshaanay Annam       | UHS Lahore      | Microbiological analysis of frozen broiler chicken products                                                                                                                             | Dr. Sidrah Saleem      | Approved      |
| M.Phil Microbiology | Dr. Tehreen Fatima        | PGMI Lahore     | Comparison of MacConkey agar medium with membrane lauryl sulfate broth medium for the assessment of bacteriological quality of drinking water in Dera Ghazi Khan city                   | Dr. Iffat Javed        | Approved      |
| M.Phil Microbiology | Dr. Syeda Fatima Batool   | AFIP Rawalpindi | Detection of high and low level mupirocin resistance in MRSA isolated from nasal cavity among health care worker and its comparison of disc diffusion method with broth dilution method | Brig(R) Gohar Zaman    | Approved      |
| M.Phil Microbiology | Dr. Nida Safdar           | FPGMI Lahore    | Detection and molecular analysis of metallo beta lactamase producers among pseudomonas aeruginosa                                                                                       | Prof. Dr. Mateen Izhar | Approved      |
| M.Phil Microbiology | Dr. Hira Tariq            | FPGMI Lahore    | Detection of hepatitis B Surface antigen by gingival swab at different temperature in PBS solution                                                                                      | Prof. Dr. Mateen Izhar | Approved      |

| Degree              | Student Name              | Institute      | Research Title                                                                                                                                                                                 | Supervisor              | Report Status |
|---------------------|---------------------------|----------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------|---------------|
| M.Phil Microbiology | Dr. Kiran Ahmad           | RMU Rawalpindi | Current trends in antimicrobial resistance pattern of (XDR) Salmonella typhi isolates in Rawalpindi Medical University and allied hospitals                                                    | Prof. Abbas Hayat       | Approved      |
| M.Phil Microbiology | Dr. Syeda Aisha           | RMU Rawalpindi | Identification of prevalent strain of XDR-TB by PCR in tertiary care hospital of Rawalpindi                                                                                                    | Prof. Abbas Hayat       | Approved      |
| M.Phil Microbiology | Dr. Saroor-i-Syma         | RMU Rawalpindi | Comparative study of kirby Bauer's method, MHT and Carba-NP test for detection of Carbapenemase production in clinical isolates of gram negative bacteria                                      | Prof. Abbas Hayat       | Pending       |
| M.Phil Microbiology | Dr. Khadeja Iqbal         | PGMI Lahore    | Detection and indentification of common bacterial pathogens causing acute meningitis in pediatric culture negative CSF samples using PCR                                                       | Dr. Iffat Javed         | Approved      |
| M.Phil Microbiology | Dr. Fatima Tuz Zahra      | UHS Lahore     | Isolation and extraction of blaCTX-M-15-,blaTEM-1- and qnrS genes of extensively-durg resistant salmonella enterica serovar typhi strains from drinking water of the area of affected patients | Dr. Sidrah Saleem       | Approved      |
| M.Phil Microbiology | Dr. Nazish Kalsoom Buzdar | PGMI Lahore    | Comparison of CSF culture with CSF presepsin for early detection of bacterial meningitis in a tertiary care hospital Lahore                                                                    | Prof. Iffat Javed       | Approved      |
| M.Phil Microbiology | Dr. Muhammad Rehan Ali    | PGMI Lahore    | Comparison of CSF culture with CSF procalcitonin for early detection of bacterial meningitis in tertiary care hospital of Lahore                                                               | Prof. Iffat Javed       | Approved      |
| M.Phil Microbiology | Dr. Muhammad Javed Akhtar | NMU Multan     | Frequency of carbapenem resistant uropathogenic Escherichia coli in ICU patients of a tertiary care hospital of Southern Punjab, Pakistan                                                      | Prof. S.M. Abbas Naqvi  | Approved      |
| M.Phil Microbiology | Mr. Faiz Ul Haq           | UHS Lahore     | Isolation and characterization of morels (Mushroom) for their antibacterial and antitumor effect on breast and colon cancer cell line                                                          | Dr. Muhammad Imran      | Approved      |
| M.Phil Microbiology | Ms. Hajra Farooq          | UHS Lahore     | Assessment of the antibacterial efficacy of commercially available hand sanitizers against common bacterial pathogens                                                                          | Prof. Dr. Sidrah Saleem | Approved      |
| M.Phil Microbiology | Dr. Sibgha Naz            | SZPMI Lahore   | Colistin resistance and frequency of MCR (1-5) gene in gram negative rods as its cause in a tertiary care hospital                                                                             | Prof. Mateen Izhar      | Approved      |
| M.Phil Microbiology | Dr. Blossom Neelam        | NMU Multan     | In vitro efficacy of colistin against multidrug resistant Pseudomonas aeruginosa in burn patient by minimum inhibitory concentration                                                           | Dr. Blossom Neelam      | Pending       |
| M.Phil Microbiology | Dr. Javaira Saeed         | NMU Multan     | Incidence of extended spectrum beta lactamase producing Enterobacteriaceae in clinical isolates and their antibiotic susceptibility testing in a tertiary care hospital of Southern Punjab     | Dr. Asghar Javaid       | Approved      |
| M.Phil Microbiology | Dr. Rashda Shabbir        | NMU Multan     | Diagnostic accuracy of Xpert MTB/Rif assay for the diagnosis of tuberculosis in pulmonary and extra-pulmonary specimens in Multan District                                                     | Dr. Rashda Shabbir      | Approved      |
| M.Phil Microbiology | Dr. Guljanan              | NMU Multan     | Asymptomatic chronic salmonella carriers among the food handlers in Nishtar Medical University, Multan                                                                                         | Prof. S.M. Abbas Naqvi  | Pending       |
| M.Phil Microbiology | Dr. Romah Ishfaq          | NMU Multan     | Incidence of carbapenem resistant Acinetobacter in neonatal sepsis                                                                                                                             | Dr. Asghar Javaid       | Pending       |
| M.Phil Microbiology | Dr. Saadia Hameed         | SZPMI Lahore   | Comparing efficacy of modified human blood-enriched agar prepared through red cell suspension technique with sheep blood agar                                                                  | Prof. Mateen Izhar      | Pending       |
| M.Phil Microbiology | Dr. Aqib Sultan           | SZPMI Lahore   | Frequency of nasal acquisition of methicillin-resistant Staphylococcus aureus infection in admitted patients of a tertiary care hospital                                                       | Prof. Mateen Izhar      | Pending       |
| M.Phil Microbiology | Dr. Syed Iqbal Haider     | RMU Rawalpindi | Diagnosis of Helicobacter pylori infection of the gastric biopsy by rapid urease test, histopathology and Raman spectroscopy                                                                   | Prof. Naeem Akhtar      | Approved      |
| M.Phil Microbiology | Dr. Sana Fatima Dogar     | PGMI Lahore    | Antifungal susceptibility pattern of aspergillus species among clinically suspected cases of pulmonary aspergillosis                                                                           | Dr. Jalees Khalid Khan  | Approved      |
| M.Phil Microbiology | Dr. Fatima Rafique        | SZPMI Lahore   | Phylogenetic grouping, virulence genotyping and its relationship with antibiotic susceptibility pattern in uropathogenic Escherichia coli                                                      | Prof. Mateen Izhar      | Approved      |
| M.Phil Microbiology | Dr. Ayesha Muazzam        | UHS Lahore     | Efficacy of acetic acid as surface disinfectant against bacteria isolated from high touch surfaces of tertiary care hospital in Lahore                                                         | Dr. Sidrah Saleem       | Approved      |
| M.Phil Microbiology | Ms. Javeria Iqbal         | UHS Lahore     | Molecular characterization of plasmid mediated AmpC beta lactamases in carbapenem resistant Enterobacteriaceae and in vitro activity of eravacycline by broth microdilution and E-test         | Prof. Sidrah Saleem     | Approved      |
| M.Phil Microbiology | Dr. Rabia Bashir          | UHS Lahore     | In-vitro antibacterial activity of plazomicin against MBL producing Enterobacteriaceae and molecular characterization of NDM, VIM and IMP genes                                                | Prof. Sidrah Saleem     | Approved      |

| Degree              | Student Name               | Institute    | Research Title                                                                                                                                                                                        | Supervisor              | Report Status |
|---------------------|----------------------------|--------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------|---------------|
| M.Phil Microbiology | Dr. Humaira Parveen        | UHS Lahore   | Detection of blakpc2 in XDR Salmonella typhi and in-vitro activity of ertapenem and doripenem in XDR Salmonella typhi                                                                                 | Prof. Sidrah Saleem     | Approved      |
| M.Phil Microbiology | Dr. Sara Arif              | UHS Lahore   | Molecular characterization of ESBLs in non-fermenting gram negative rods isolated from Paediatric patients and in-vitro activity of Ceftazidime-avibactam”                                            | Prof. Sidrah Saleem     | Approved      |
| M.Phil Microbiology | Dr. Muhammad Imran Shoukat | PGMI Lahore  | Identification and susceptibility pattern of various candida species isolated from different clinical samples in a tertiary care hospital                                                             | Dr. Kokab Jabeen        | Approved      |
| M.Phil Microbiology | Dr. Jawad Niaz Khan        | UHS Lahore   | Evaluation of antibody response in covid-19 vaccinated individuals                                                                                                                                    | Prof. Dr. Sidrah Saleem | Approved      |
| M.Phil Microbiology | Ms. Maria Mehmood          | UHS Lahore   | Detection of quinolone resistant gene (QNRS) and in-vitro antibacterial activity of cefiderocol and ceftolozane/tazobactam against extensively drug-resistant (XDR) salmonella enterica serovar typhi | Prof. Dr. Sidrah Saleem | Approved      |
| M.Phil Microbiology | Dr. Sumera Malik           | NMU Multan   | Bacteriological profile with phenotypic detection of MDR isolates in surgical site infections of Nishtar hospital, Multan                                                                             | Prof. S. M. Abbas Naqvi | Approved      |
| M.Phil Microbiology | Dr. Anam Zaidi             | NMU Multan   | Antimicrobial susceptibility pattern of bacterial isolated causing neonatal sepsis in Nishtar Hospital Multan                                                                                         | Prof. S. M. Abbas Naqvi | Approved      |
| M.Phil Microbiology | Ms. Sania Ahmed            | UHS Lahore   | Association of TLR2 gene Arg 753Gln polymorphism with bacterial infections in ischemic heart disease patients                                                                                         | Dr. Muhammad Imran      | Approved      |
| M.Phil Microbiology | Dr. Hamna Tahir            | NMU Multan   | Frequency, phenotypic identification and antibiotic susceptibility pattern of AmpC beta-lactamase producing Enterobacteriaceae in various clinical isolates from Nishtar Hospital Multan              | Dr. Asghar Javaid       | Approved      |
| M.Phil Microbiology | Dr. Hafsa Yousuf           | NMU Multan   | Determination of frequency and antimicrobial resistant trends of microbes isolated from high vaginal swab in patients presenting with vaginal discharge in Nishtar Hospital Multan                    | Dr. Asghar Javaid       | Pending       |
| M.Phil Microbiology | Dr. Maryam Khan            | UHS Lahore   | Molecular characterization of virulence factor genes associated with biofilm formation and invitro activity of ceftazidime-avibactam in clinical isolates of pseudomonas aeruginosa                   | Prof. Dr. Sidrah Saleem | Approved      |
| M.Phil Microbiology | Ms. Atika Abdul Ghafoor    | UHS Lahore   | Identification of OXA-23 and OXA-48 in gram negative non fermenting bacilli isolated from cerebrospinal fluid on ventriculoperitoneal shunts                                                          | Ms. Ayesha Ghazal       | Approved      |
| M.Phil Microbiology | Ms. Sana Abdul Ghafoor     | UHS Lahore   | Frequency and antimicrobial susceptibility pattern of organisms isolated from bovine milk and detection of their resistance genes                                                                     | Dr. Muhammad Imran      | Approved      |
| M.Phil Microbiology | Dr. Muhammad Majid Rashid  | NMU Multan   | Susceptibility of ESBL-Producing escherichia coli in urine cultures to different drugs                                                                                                                | Prof. S. M. Abbas Naqvi | Approved      |
| M.Phil Microbiology | Dr. Ayesha Qaiser          | SZPMI Lahore | Frequency of coagulase negative staphylococci and staphylococcal cassette chromosome MEC (SCCMEC) from cultures in microbiology specimens                                                             | Dr. Anwar Basheer       | Pending       |
| M.Phil Microbiology | Dr. Syeda Tahira Batool    | PGMI Lahore  | Detection of helicobacter pylori among dyspeptic patients and molecular analysis of mutations in domain V of 23S rRNA conferring clarithromycin resistance                                            | Dr. Amina Asif          | Pending       |
| M.Phil Microbiology | Dr. Faiza Ahmed            | SZPMI Lahore | Comparison of Mac-2 binding protein glycosylation isomer and fibrosis-4 score in polycystic ovarian syndrome with and without fatty liver                                                             | Prof. Tahira Naseem     | Approved      |
| M.Phil Microbiology | Dr. Ayesha Rashid          | PGMI Lahore  | Molecular characterization of KPC-2 and CMY ampc beta lactamases in ceftazidime -avibactam (CAZ-AVI) resistant klebsiella pneumoniae in clinical isolates                                             | Dr. Kokab Jabeen        | Approved      |
| M.Phil Microbiology | Dr. Sana Mustafa           | PGMI Lahore  | Molecular characterisation of fluconazole resistance genes CDR1, CDR2, MDR1 in candida species isolates isolated from clinical specimens                                                              | Dr. Kokab Jabeen        | Approved      |
| M.Phil Microbiology | Dr. Zainab Tufail          | PGMI Lahore  | Isolation of tigecycline resistance TET (Y) gene in acinetobacter baumannii isolated from intensive care unit patients                                                                                | Dr. Kokab Jabeen        | Approved      |
| M.Phil Microbiology | Dr. Yusra Wahab            | PGMI Lahore  | Identification of plasmid mediated colistin resistance in multidrug resistant gram-negative rods isolated from immuno-compromised patients                                                            | Dr. Kokab Jabeen        | Approved      |
| M.Phil Microbiology | Dr. Mahnoor Chaudhry       | PGMI Lahore  | Molecular characterization of efflux pumps Mex-A, Mex-B, Opr-M in pseudomonas aeruginosa in clinical isolates of ICU patients and in-vitro activity of ceftazidime-avibactam against them             | Dr. Kokab Jabeen        | Approved      |
| M.Phil Microbiology | Dr. Hassan Mashhood        | UHS Lahore   | In vitro activity of cefiderocol against klebsiella pneumoniae and detection of blakpc-2 and blaVMI-1 gene in clinical samples from Lahore General Hospital, Lahore, Pakistan                         | Prof. Dr. Sidrah Saleem | Approved      |
| M.Phil Microbiology | Dr. Sarah Aftab            | UHS Lahore   | In vitro activity of ceftazidime-avibactam against OXA 48 carbapenemase producing enterobacterales from clinical isolates                                                                             | Prof. Dr. Sidrah Saleem | Approved      |