



(HEC Approved PhD Supervisor)

Professor & Head,  
Department of Pharmacology,  
University College of Pharmacy,  
University of The Punjab  
Lahore, Pakistan

## Contact

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Citation Indices  
<https://www.researchgate.net/profile/Mohammad-Saleem>

<https://scholar.google.com.pk/citations?user=61Y0CwwAAAAJ&hl=en>

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## Brief review

- Currently working as Professor & Head Pharmacology Dept.
- 20 + years teaching, research & administrative experience
- Supervised 60+M.Phil &10 Ph.D. students
- 120+Peer Publication & 2 book chapters
- 2022, NRPB Research Grant winner (Rs: 4.334 Million)

# CURRICULUMVITAE

## Administrative Experience

<b>Head of Pharmacology Department</b> University College of Pharmacy University of the Punjab, Lahore, Pakistan	12/2020- <b>To-Date</b>
<b>Chairperson</b> Department of Pharmacology Faculty of Pharmaceutical Sciences GC University Faisalabad Pakistan	10/2016-02/2018
<b>Teacher In-charge</b> Faculty of Pharmaceutical Sciences GC University Faisalabad Pakistan	02/2015-02/2018

## Teaching & Research Experience

<b>Professor (Pharmacology)</b> University College of Pharmacy University of the Punjab, Lahore, Pakistan	04/2018- <b>To-Date</b>
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## Previous Positions

<b>Professor (Pharmacology)</b> Institute of Pharmacy Lahore College for Women University, Lahore, Pakistan	02/2018-04/2018
<b>Associate Professor</b> Faculty of Pharmaceutical Sciences GC University, Faisalabad, Pakistan	10/2016-02/2018
<b>Assistant Professor</b> Faculty of Pharmaceutical Sciences GC University, Faisalabad, Pakistan	10/2007-10/2016
<b>Assistant Professor</b> Department of Pharmacy The University of Lahore, Pakistan	4/2003-7/2007
<b>Research Assistant</b> Long Island University, Brooklyn, New York, USA	01/2001-01/2002
<b>Graduate Assistant</b> Long Island University, Brooklyn, New York, USA	09/1999-01/2001
<b>Assistant Pharmacist</b> Rio Drugs Inc Brooklyn, USA	01/1996-09/1999
<b>Quality Control Manager</b> <ul style="list-style-type: none"><li>• Ideal Pharmaceutical Labs. Lahore, Pakistan</li></ul>	0+8/1994-09/1995

## Education

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- **Ph.D. Pharmacology**  
University College of Pharmacy, University of the Punjab, Lahore, Pakistan  
University of Strasbourg, FRANCE
- **M.S Pharmacology and Molecular Toxicology**  
Arnold & Marie Schwartz College of Pharmacy and Health Sciences  
Long Island University, NEWYORK, USA.
- **B. Pharm.**  
University College of Pharmacy  
University of the Punjab, Lahore, Pakistan
- **B. Sc.**  
University of the Punjab, Lahore, Pakistan

## Research Interests

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The research interests focus on exploring how natural plants impact cancer epigenetic modification and gene expression in inflammation and cellular behavior, while natural plant extracts contain phytochemicals known for their anti-inflammatory and anticancer properties. The goals of this research are to, investigate the mechanisms by which phytochemicals modulate epigenetic modifications, apoptosis induction and cell cycle arrest in cancer cells and to identify safer and more effective molecules. Additionally, the research aims to understand gene expression mechanisms in inflammation, utilizing techniques such as phytochemical extractions, in-vivo/in-vitro models, cell culture and various assessments including Elisa cell proliferation assay, real-time PCR, Western blotting, flow cytometry and histopathological evaluations. Ultimately, the aim is to develop new drug targets for cancer and inflammation and translate the research findings into practical clinical applications.

## Grants & Awards

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- **NATIONAL RESEARCH PROGRAM FOR UNIVERSITIES (NRPU):** Ref No. 20-15439/NRPU/R&D/HEC/2021-2020 (**Grant Amount Rs: 4.334 Million**) Awarded 2 years full support. Wrote research proposal independently
- **Start-up Research Grant Program, HEC, No:1643/SRGP/R&D/HEC/2017:** Co-Principal Investigator in “Anti-diabetic potential of indigenous medicinal plant *Terminlia citrina*; a mechanistic approach” (2017)
- **EGIDE French Scholarship award:** Awarded for PhD funding, Research and travel/living expenses. Wrote and secured award independently at Biophotonic and Pharmacology CNRSUMR7213, University of Strasbourg **Illkirch, France** (2011)
- **Arnold & Marie Schwartz Scholarship award** winner for academic achievements (for MS Pharmacology) Long Island University, **New York, USA** (1999).
- **Gordon Research Conference Award:** Second place oral presentation, Graduate Research Forum, Colby-Sawyer College, New London, New Hampshire, USA (2001).
- **Research Productivity Awards winner** from GC University, Faisalabad (2014,2015, 2016 & 2017)
- **Research Productivity Awards winner** from University of the Punjab, Lahore 2018)
- **Research Productivity Awards winner** from University of the Punjab, Lahore 2019)
- **Research Productivity Awards winner** from University of the Punjab, Lahore (2020)
- **Research Productivity Awards winner** from University of the Punjab, Lahore (2021)

## M.Phil. Students Supervised and Research Projects

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- **Maria Rafiq** (2010-2012-GCUF), Evaluation of antimicrobial activity of selected medicinal plants.
- **Zafar Iqbal**(2010-2012-GCUF), Screening of analgesic activity of some indigenous medicinal plants.
- **Iram Irshad**(2010-2012-GCUF), Determination of hepato-protective effect of *Opuntia monacantha*.
- **Shanaz Akhtar**(2010-2012-GCUF), Comparative study of hematological parameters between smokers and non-smokers taking vitamin c and vitamin E.
- **Saneela Ilyas**(2010-2012-GCUF), Antimicrobial study of selected indigenous plants.
- **Bilal Ahmad** (2011-2013-GCUF), Determination of hepatoprotective potential of *Chenopodium murale*, *Nymphaealotus* and *Rumex dentatus*
- **Marukh Kareem** (2011-2013-GCUF), In vitro antibacterial activity and acutetotoxicity studies of *Vicia sativa* and *Melilotus indica*
- **Faiza Naseer** (2011-2013-GCUF), Evaluation of *in vivo* anticancer activity of *Conyza bonariensis* and *Convolvulus arvensis*.
- **Samra Sadiq**(2011-2013-GCUF), Determination of nephron protective potential of *Hibiscus rosa-sinensis* and *Althaeae rosea* in mice
- **Fatima Javed** (2011-2013-GCUF), Screening of *Cucumis melo* and *Callestimon Viminalis* for their nephroprotective activity.
- **Maryam Furrakh**(2011-2013-GCUF), To evaluate the different stages of Charcot foot in type 2 diabetic patients presenting in primary care setups
- **Maria Farrukh**(2015-2017-GCUF), Determination of anti-inflammatory and anti-arthritis Activity of *Cassia absuslinn*. In animal models
- **Adeel Hussain**(2015-2017-GCUF), Evaluation of anti-hyperglycemic and anti-hyperlipidemic effect of *Malva neglecta* in Alloxane induced diabetic rats
- **Muhammad Fahd Mushtaq** (2015-2017-GCUF), Determination of hepatoprotective activity of *Persicaria perfoliata* extract on paracetamol induced toxicity in albino rats
- **Iqra Khalid**(2015-2017-GCUF) Determination of anti-inflammatory and anti-arthritis activity of *Quercus dilatata* extract on animal model.
- **Muiz Tanvir** (2015-2017-GCUF) Anti-diabetic and hepatoprotective potential of *Mangifera indica* (cultivar anwar ratol) and its phytochemical studies.
- **Abida Hussain**(2015-2017-GCUF) Evaluation of anti-asthmatic activity of *Raphanus sativas* Extract (raddish) in rats
- **Hira Nain**(2015-2017-GCUF) Screening of hepatoprotective activity and phytochemical analysis of *Heliotropium strigosum*
- **Sobia Yousaf**(2015-2017-GCUF) Anti-diabetic effect of aqueous extract of *Siges beckia orientalis* (st. paul's wort) in alloxan induced diabetic albino rats
- **Ammara Asif** (2015-2017-GCUF) Screening of hepatoprotective activity and phytochemical analysis of *Artocarpus lakoocha* fruit
- **Hafiz Akbar Ali**(2015-2017-GCUF) Evaluation of Hepatoprotective Activity of *Cosmos sulphureus* and *Cosmos bipinnatus* animal model
- **Hira Shahid**(2015-2017-GCUF) Evaluation of antidiabetic activity of *Conyza bonariensis* Extract in alloxan induced diabetic rats.
- **Ammara Sarwar**(2015-2017-GCUF) Evaluation of anti-asthmatic activity of *Prosopis glandulosa* flower in animal model
- **Hammad Razzaq Babar**(2015-2017-GCUF) Investigation of hepatoprotective activity of *Fragaria ananassa* extract on animal model
- **Mehwish Arif**(2016-2018-GCUF) Toxicological studies of *Conyza bonariensis* to validate its folklore use
- **Jawaria Arif**(2016-2018-GCUF) Hepatoprotective and hepatocurative potential of *Tamarix aphylla* against paracetamol induced hepatotoxicity in mice
- **Haseeba Afzal** (2016-2018-GCUF) Pharmacological and toxicological evaluation of *Anagallis arvensis*
- **Anum Parveen** (2016-2018-GCUF) Pharmacological screening of *Melilotus indicus* for its anti-arthritis and wound healing activities
- **Anam Iftikhar**(2018-2020-PU) Evaluation of Anti-inflammatory and Anti-Arthritis Effect of *Asphodelus tenuifolius*: A Mechanistic Approach

- **Quratulain Asif**(2018-2020-PU) Evaluation of anti-ulcer and wound healing activity of *Capparis decidua* Extracts
- **Tahmina**(2018-2020-PU) Assessment of potential risk factors associated with different intestinal disorders in population of Lahore city
- **Sadia Rana**(2018-2020-PU) Pharmacological evaluation of *Conyza bonariensis* and *Cedrus Deodara* extracts in Non Fatty Liver Disease(NAFLD) induced by high fat diet in rats
- **Nagd Mohammed Ahmed Mahmood**(2018-2020-PU) Potential Effects of *Citrus limetta* peel extract and *Hesperidin-Diosmin* to improve insulin sensitivity in high fat diet-dexamethasone induced insulin resistance in rat model
- **Sahar Khalid** (2018-2020-PU) Study and Evaluation of Predictors and Diagnostic Factors Along with Treatment and its Outcomes in Hepatitis C Positive Patients.
- **Yusra Pervaiz** (2018-2020-PU) Use of defined daily dose as an effective tool for monitoring consumption trend of restricted antibiotics at cancer care hospital
- **Seerat Fatima** (2018-2020-PU) Approach to acute cardiovascular complications in COVID- 19 infection
- **Shahzad Masih** (2018-2020-PU) Evaluation of Antioxidant capacity and In-Vivo anti-inflammatory potential of *verbena bonariensis*
- **Iqra Ghulam Sarwar** (2018-2020-PU) Antimicrobial consumption and resistance patterns in COVID-19 patients using WHO point prevalence methodology: a cross sectional study in a tertiary care hospital
- **Aneeqa Amin**(2019-2021-PU) In-vivo anti-inflammatory activity of *Grevillea robusta (Sliver Oak)* and its potential to modulate gene expression profile.
- **Aleena Irfan** (2019-2021-PU) Anti-arthritis effect of *Melia azedarach* on CFA induced arthritis in rats.
- **Ghulam Ghous Chishti** (2019-2021-PU) Anti-diabetic potential of *Convolvulus arvensis* methanolic extract on gene expression and biochemical parameters in STZ-induced diabetic rats
- **Naghza Tuz Zuhra** (2019-2021-PU) Evaluation of in-vivo anti-inflammatory and anti-arthritic activity of methanolic extract of *Dianthus barbatus*.
- **Imamah Anwar** (2019-2021-PU) Evaluation of anti-inflammatory and anti-arthritic activity of methanolic extract of *Anagallis arvensis* in rats.
- **Talal Alhouzani**(2019-2021-PU) Evaluation of anti-inflammatory and anti-arthritic activity of *Artemisia maritima* in rats.
- **Sitaram Khadka**(2019-2021-PU) Comparative pharmacokinetics of meropenem in young and elderly patients through a non-linear mixed effect modelling approach.
- **Anum Gul**(2019-2021-PU) Pharmacological investigation of methanolic extract of leaves of *Azadirachtaindica (Neem)* against rheumatoid arthritis and inflammatory mediators.
- **Aqsa Inam**(2019-2021-PU) Determination of anti-arthritic activity of methanolic extract of *Dalbergiasissoo* Roxb leaves against CFA induced arthritis in rats.
- **Tahira Lateef** (2019-2021-PU) Evaluation of anti-diabetic activity of methanolic extract of *Cuscuta Campestris* in STZ induced diabetic rats.
- **Anum Khalid**(2019-2021-PU) Evaluation of anti-diabetic potential of methanolic extract of *Vignamungo* seed coat in STZ induced diabetic rats.
- **Saba Khalid**(2019-2021-PU) Effect of methanolic extract of *Salixbabylonica* on biochemical parameters and gene expression in STZ induced diabetic rats.
- **Hafiza Eisha Ikram**(2019-2021-PU) Anti-inflammatory, anti-arthritic activity of methanolic extract of *Manilkarazopota* fruit in rats.
- **Samira Saghir**(2019-2021-PU) Evaluation of methanolic extract of *Grevillearobusta* against inflammation and CFA induced arthritis in rats.
- **Ali Afzal**(2019-2021-PU) Evaluation of anti-inflammatory and anti-arthritic activity of *Conyza bonariensis* in rats.
- **Abubakar (2020-2022)** Evaluation of Anti Diabetic Activity and Gene expression of Curcuma Zedoaria plant extract in STZ induced Diabetic rats.
- **Ammara Malhi (2020-2022)** Evaluation of Anti Diabetic potential and gene expression by Pleiogynium Timorensis Methanolic extract in STZ induced diabetic rats.
- **Munaza Shoukat (2020-2022)** Investigation of antihyperglycemic effect of Cassia Absus seeds extract in STZ Induced diabetic rats.
- **Sana Majeed (2020-2022)** Investigation of effect of Nsaid' son backache due to degenerative spine in mono and combination therapy

- **Emad Gamal Muthanna Alsubari ((2020-2022)** Evaluation of Anti-inflammatory, Anti-arthritis activity of eucalyptus citriodora in CFA induced arthritic model.
- **Ghulam Ghous Chishti (2020-2022)** Antidiabetic potential of Convolvulus Arvensis Methanolic extract on gene expression and biochemical parameters in streptozotocin-induced diabetic rats.
- **Muhammad Hassan Naru (2020-2022)** Evaluation of anti-arthritis activity and genes expression of aqueous methanolic extract of Cymbopogon Commutatus leaves in rats
- **Saif Ullah Khan (2020-2022)** Evaluation of anti-diabetic activity and genes regulation of *Carica papaya* leaves extract in Alloxan induced diabetic rats
- **Muhammad Nazim Khan (2020-2022)** Assessment of anti-diabetic effect coupled with gene expression of *Syzygium cumini* leaves aqueous mathanolic extract in Alloxan induced diabetic rats
- **Talha Raza (2020-2022)** Pharmacological evaluation of Aqueous methanolic extract of Cassia absus in CFA induced arthritis in rats
- **Remsha Choudhry (2020-2022)** Investigation of anti-diabetic activity and gene expression of *Jasminum officinale* in Streptozotocin induced diabetic rats
- **Amber Rehman Mughal (2020-2022)** Evaluation of anti-hyperglycemic effect and regulation of gene expression of *Bassia latifolia* leaves extract in Streptozotocin induced diabetic rats
- **Hafsah Umer Hayat (2020-2022)** Assessment of anti-arthritis potential of *Heterophragma adenophyllum* (Nag-Phali) in CFA induced arithritis in rats.
- **Nukhba (2020-2022)** Evaluation of anti-arthritis activity and gene expression of n-hexane extract of *Heterophragma adenophyllum* leaves extract in Complete Freund's Adjuvant induced arthritis in rats
- **Imran Ul Islam (2020-2022)** Evaluation of Anti diabetic activity coupled with jene expression of aqueous mathanolic extract of *Grewia Asiatica*(Phalsa) in alloxan induced diabetic rats.
- **Tabinda Jabbar (2020-2022)** Evaluation of anti hyperglycemic activity and gene expression of *Paganum harmala* in STZ induced diabetic rats.
- **Saniya Sohail (2020-2022)** Evaluation of anti-diabetic activity and gene expression analysis of *Hamelia patens* in Alloxan induced diabetic rats
- **Ayesha Ghani (2020-2022)** Evaluation of anti-diabetic effect and gene expression of *Trigonella corniculata* on alloxan induced diabetic rats
- **Iqra Gul (2020-2022)** Evalation of antidiabetic effect of *Brassica oleracea* on alloxan induced diabetic rats
- **Iqra Mehmood (2020-2022)** Evaluation of anti-ulcer activity of methanolic extract of *Cassia javanica* against ethanol induced gastric ulcer in rats
- **Naila Ismail (2020-2022)** Evaluation of anti-diabetic activity and effect on gene expression of *Jacaranda mimosifolia* leaves extract in Streptozotocin induced diabetic rats
- **Mehreen Naz (2021-2023)** Evaluation of anti-diabetic activity and genes expression of methanolic extract of Cymbopogon commutatus in streptozotocin induced diabetic rats.
- **Hanzala Arshad (2021-2023)** Evaluation of cytotoxic effect of luffa cylindrical leaves extract on vero and MDA-MB-231 cell lines.
- **Izwa Arshad (2021-2023)** Evaluation of anti-diabetic activity and genes expression of methanolic extract of Brassica oleracea var. Capitata in streptozotocin induced diabetic rats.
- **Zarnab Fatima (2021-2023)** Evaluation of antidiabetic activity and gene expression regulation of sisymbrium irio in streptozotocin induced diabetic rats.
- **Abu Bakar Siddique (2021-2023)** Evaluation of antidiabetic activity of Euphorbia millii and its effect on associated gene expression in streptozotocin induced diabetic rats.

## PhD Students Supervised and Under Supervision

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- **Ammara Saleem (GCUF)** Pharmacological and toxicological evaluation of *Moringa Olifera* and *Poly stichumbrauni* for the treatment of Rheumatoid arthritis **(completed-2020)**
- **Muhammad Zeeshan Ali,** Pharmacological evaluation of *Euphorbia hirta*, *Fagonia indica* and *Cappris decidua* in gastrointestinal and cardiovascular disorders **(Completed-2020)**
- **Amna Btool (GCUF)** Pharmacological Evaluation of antihypertensive activity of *Sorghum Halepense* and *Polygonum Hydropiper*; elucidation of possible underlying mechanisms **(Completed-2023)**
- **Farah Abid (GCUF)** Pharmacological and toxicological evaluation of *Acacia modesta* and

- Opuntia monocantha*. (Completed-2023)
- **Muhammad Shafeeq ur Rahman** (GCUF) The Pharmacological Basis of the Medicinal use of *Cydonia Oblonga M.* in Hypertension (Completed-2023)
  - **Sadaf Iftikhar** (PU) Phytochemical Investigation and Antidiabetic Activity Guided Isolation from Extracts of *Calotropis procera* (Ait.) (Completed-2023)
  - **Saba Zia Butt** (PU) Pharmacological, toxicological and phytochemical evaluation of *Diospyros malabarica* (DESR) Kostel. and *Phalaris arundinacea* L. (Completed-2023)
  - **Huma Naz** (GCUF) Pharmacological Evaluation of *Meliilotus indicus* (L) for cardiovascular diseases. (Submitted-2023)
  - **Muzzamal Waheed** (GCUF) Study of antimicrobial resistant staphylococcus aureus isolated from clinical samples (Submitted-2023)
  - **Fauzia Latif** (GCUF) Evaluation of anticancer activity and mechanisms of selected plants. (Submitted-2023)
  - **Ammara Hakeem** Antidiabetic and antihyperlipidemic activity and underlying mechanisms of *Fernandoa adenophylla* leaf extract on diabetic rats (Submitted 2023)
  - **Bazga** Evaluation of Anti-Arthritic Potential of *Solanum nigrum* leaves and *Cassia absus* Seeds Extracts (Submitted 2023)
  - **Inam Ur Rahman (PU)** Evaluation of Pharmacological activities and mechanisms of *Calliandra haematocephala* and *Euphorbia mili* in animal models of inflammation and arthrititis. (Continued)
  - **Ayesha Shafi**, Metabolomics Profiling and anti-inflammatory activity guided isolation from *Zaleya pentandra* (Continued)
  - **Anam Ifitikhar (PU)** Evaluation of anti-inflammatory, anti-arthritic and cytotoxic potential of *Ficus lyrata*, *Murrya peniculata* extracts and underlying pharmacological mechanisms (Continued)

## Research Projects/Thesis Evaluated as External Examiner

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- **Fatima Azhar** (RIPHAH), Anti-Arthritic effect of methotirexate-loaded Gold Nanoparticles.
- **Hafiz Muhammad Bilal**, (The University of Lahore), Pharmacological and Toxicological basis for the use of *Adiantum incisum* in the Treatment of Diabetes Mellitus.
- **Saira Saeed**, (RIPHAH), Evaluation of Veratric Acid against mercury-induced CNS and reproductive Toxicity in Female Rats.
- **Mehwish Fatima**, (Islamia University Bahawalpur) Assessment of diuretic activity of methanolic extract of seeds of *Brassica rapa* in albino rats.
- **Noreena Masood**, (Islamia University Bahawalpur) Evaluation of Pharmacological Activities of *Leptadenia Pyrotechnica*, a Medicinal Plant from Cholistan Desert.
- **Gohar Aziz**, (Islamia University Bahawalpur) Assessment of Diuretic and Renoprotective Potential of *Cenchrus ciliaris* in Experimental Renal Failure.
- **Namra Mumtaz**, (RIPHAH International University) Evaluation of Proton Pump Inhibitors in Modifying Fertility in Male Rats.
- **Zumna Sharif**, (RIPHAH International University) Effect of Glyceryl Tranitrate on Fertility in Male Rats.
- **Mueen Ahmad Ch**, (University of Sargodha) Antihypertensive, Phytochemical and Toxicity Profile Analysis of *Ipomoea Hederacea* Jacq. and *Morus Nigra* L.
- **Syed Awais Ali Zaidi**, (University of Lahore) Study of Behavirol, Biochemical, and Immunomodulatory parameters in typical antipsychotic-induced Parkinson's disease (Rat Model)
- **Huma Ghaffar**, (University of Lahore) To study the efficacy and safety of fosfomycin for the treatment of complicated Urinary Tract Infection in Adult Cancer Patients
- **Rabia Tariq**, (University of Lahore) Retrospective Evaluation of Docetaxel Induced Toxicity with Respect to its Formulation in Tertiary care Hospital
- **Mamuna Naz**, (University of Lahore) Evaluation of Antioxidant Effect of *Phyllonthus Emblicus* Against Cisplatin induced oxidative stress
- **Sheikh Muhammad Sarosh**, (University of Lahore) Effect of letrozole Tamoxifen and Armidex on Lipid Profile in Postmenopausal Breast cancer Patients

- **Aqiba Batool**, (University of Lahore) In Vivo study of the anti nociceptive effect of orally administered antidepressants and anticonvulsants in acute pain models
- **Naeen Ullah**, (University of Lahore) effect of altered CYP2B10 and Cyp3A11 expression on ketamine induced hypnosis assessed by real time Q-RT-PCR
- **Sidra Shah**, (University of Lahore) In vivo study of citalopram Duloxetine Lamotrigine in Visceral Persistent and acute pain models
- **Leena Tanveer**, (University of Lahore) tolerance to propofol induced hypnosis with cytochrome P450 inducers
- **Hassan Mahmood**, (University of Lahore) Search for Pharmacological Basis for the Use of *Nepeta Ruderalis* in GIT and Airways Disorders
- **Zoan Ahmad** (University of the Punjab) Comparative study of antimicrobial activity of *Sisymbrium irio*. Linn and *Vignamungo* (L) hepper
- **Hira Nadeem** (University of the Punjab) Studies on the pharmacological effects of *Sisymbrium irio* (lhaksi khas)
- **Nishat Jamshad** (University of the Punjab) Effect of Berberis lyceum roots extract on phase II drug metabolizing enzymes.
- **Sumaira Jabeen** (University of the Punjab) Efficacy and tolerability of chemotherapeutic drugs used in breast cancer.
- **Pernia Nasreen** (University of Sargodha) Pharmacological evaluation of analgesic, anti-inflammatory and hepatoprotective activities of *Ranunculus muricatus* in mice.
- **Sumra Saeed** (University of Sargodha) Evaluation of cardiovascular effects of *Citrus aurantifolia* (Linn.) Fruit.
- **Nazia Tabassum** (University of Sargodha) Evaluation of pharmacological effect of selected medicinal plant extracts on angiogenesis using chorioallantoic membrane (cam) assay
- **Mehwish Nawaz** (University of Sargodha) Evaluation of antioxidant and hepatoprotective effects of *Thymus Linearis benth*
- **Huma Naz** (University of Sargodha) Determination of hepatoprotective, analgesic and anti-inflammatory effects of *Berberis calliobotrys* in mice
- **Atiq-ur-Rehman** (University of Sargodha) Evaluation of anti-inflammatory, analgesic and antipyretic effects of *Ferula asafetida* in animal model.
- **Rana M. Shahid Zafar** (University of Lahore) Comparative Study of Different Brands of Atorvastatin Tablets in Healthy Volunteers by Using HPLC
- **Hijra Ikram Butt** (University of Lahore) Evaluation of Immunomodulatory effect of Guava leaves extract on mice (PHMY 02133002, 2015)
- **Sadia Shamsi** (University of Lahore) Evaluation of potential embryo toxicity of Guaifenesin in female pregnant rats (PHMY 02133010, 2015)
- **Hafiza Maida Arshad** (University of Lahore) Evaluation of immunomodulatory effect of mefenamic acid on mice (PHMY 02133014, 2015)
- **Zeb Ali Shaheryar** (University of Lahore) Determination of antibiotic resistance pattern shown by pathogens causing infections in neonates, undergoing empirical treatment at the children hospital and institute of child health Lahore Pakistan (2011-2013)
- **Hina Iqbal** (University of Lahore) Evaluation of Hepatoprotective and antioxidant potential of medicinal plants (2013-2015)
- **Saba Zia** (University of the Punjab) Pharmacological appraisal of prophylactic antibiotic use in post-surgery: Impact of pharmacist intervention. (2014-2016).

## Member

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- Approved PhD supervisor Higher Education Commission (HEC) Pakistan
- Research Project Reviewer Higher Education Commission (HEC) Pakistan
- Member Punjab Pharmacy Council Lahore
- Convener, Convocation Committee, Punjab University College of Pharmacy.
- Member (technical expert) of affiliation committee of Punjab university affiliated pharmacy colleges
- Member Board of Studies, University College of Pharmacy, University of the Punjab Lahore
- Member Senate, University of the Punjab Lahore
- Member Academic Council, University of the Punjab Lahore
- Member Board of Faculty, University of the Punjab Lahore

- Member Alumni Committee (2022) of Punjab University College of Pharmacy, Lahore.
- Member Purchase Committee University of the Punjab Lahore
- Incharge, Committee to finalize the allocation of Lectures (Theory & Practical) of Evening Program.
- Member, Postgraduate Scholars Persuasion Committee, Punjab University College of Pharmacy.
- Secretary, establish Bio-Equivalence and Bio-availability Lab at PUCP, Lahore
- Member, College Admission Committee of Punjab University College of Pharmacy.
- Member, Departmental Doctoral Program Committee(DDPC), PUCP, Lahore.
- Incharge, for checking experience and Research Papers of the applicants for M.Phil/Ph.D. Admission.
- Focal Person with Program Team Members(PTs) of Punjab University College of Pharmacy.
- Member Board of Studies, Faculty of Pharmaceutical Sciences GC University Faisalabad
- Member Board of Faculty, Faculty of Pharmaceutical Sciences GC University Faisalabad
- Member Board of Faculty, Faculty of Pharmacy, Bahaudin Zakariya University, Multan from Feb.2021
- Member Board of Faculty, Faculty of Pharmacy University of Central Punjab Lahore
- Member Board of Faculty, Faculty of Pharmacy Sargodha University Sargodha
- National Curriculum Revision Committee (PharmD), Higher Education Commission Pakistan
- Course & Curriculum Committee (M. Phil & PhD), College of Pharmacy GCU, Faisalabad
- Convener, Postgraduate admission Committee of Pharmacy GCU, Faisalabad
- Post Graduate Research Committee, College of Pharmacy, GC University, Faisalabad
- Member Pakistan Pharmacist Association
- Member GCUF Research Grant Committee
- Member Departmental Research Projects Evaluation Committee, University College of Pharmacy, University of the Punjab Lahore
- Member Purchase Committee, Punjab University College of Pharmacy University of the Punjab Lahore
- Member Admission Committee, Punjab University College of Pharmacy University of the Punjab

## Research Publications

- **Mohammad Saleem**, Valerie B. Schini-Kerth, Khaid Hussain, Syed Haroon Khalid, Muhammad Asif, Mahmoud Alhosin, Muhammad Furqan Akhtar, BashirAhmad, Atif Raza and Mahrukh “Molecular Mechanisms Responsible for In Vitro Cytotoxic Attributes of *Conyza bonariensis* Extract against Lymphoblastic Leukaemia Jurkat Cells, Anticancer Agents Med Chem, 2022;22(9):1793-1801
- **Mohammad Saleem**, Adeel Hussain, Muhammad Furqan Akhtar, Ammara Saleem, Saleha Sadeeqa and Surraya Naheed , “Ameliorating effect of *Malva neglecta* on Hyperglycemia and Hyperlipidimia in diabetic rats. Brazilian Journal of Pharmaceutical Sciences, Braz. J. Pharm.Sci. <https://dx.doi.org/10.1590/s2175-97902020000418901>
- **Saleem M**, Schini-Kerth VB, HussainK, Khalid SH, Asif M, Alhosin M, Akhtar MF, Ahmad B, Raza A, Mahrukh. Molecular Mechanisms Responsible for In Vitro Cytotoxic Attributes of *Conyza bonariensis* Extract against Lymphoblastic Leukaemia Jurkat Cells. **Anticancer Agents in Med Chem.** 2021 Sep 5.doi:10.2174/1871520621666210906092314. Epub ahead of print. PMID: 34488604.
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Saadullah, Aisha Mobashar, Azhar Rasul, Muhammad Ajmal Shah, Irfan Hamid<sup>8</sup> and Rabia Iqbal, Protective effect of *Heliotropium strigosum* 70% aqueous methanolic extract against paracetamol induced hepatotoxicity in mice, doi.org/10.36721/PJPS.2021.34.2.SUP.693-698.1

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## Countries Visted

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| 1- France       | 4- Germany |
| 2- UK           | 5- Canada  |
| 3- Saudi Arabia | 6- USA     |

## International Proceedings

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- 2001 Gordon Research Conferences on, “Chemotherapy of Experimental Clinical Cancer” New London, New Hampshire, USA
- 2012 1<sup>st</sup>International Conference on Applied Chemistry (ICAC2013), College of Pharmacy, GC University Faisalabad.
- 2012 International Conference on Functional Foods & Nutraceuticals, College of Pharmacy, GC University, Faisalabad.
- 2013 International Conference on Applied Chemical and Biological and Aquatic Sciences, College of Pharmacy, GC University, Faisalabad.
- 2013 International Conference on Global Environmental Changes, College of Pharmacy, GC University, Faisalabad.
- 2019 Development of Herbal Medicine using Green Extraction and Standardization Methods, Punjab University College of Pharmacy, University of the Punjab, Lahore.
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- Legal Issues: Pharmacy Profession in Saudi Arabia, College of Pharmacy, GC University, Faisalabad
- Nano-Particles & Herbal medicines, College of Pharmacy, GC University, Faisalabad, 2014
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## **Workshops**

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- Use of Power lab Teaching/Research in Physiology and Pharmacology, College of Pharmacy, GC University, Faisalabad 2013
- Clinical application of Kuliat (laws of nature) and Treatment of Hepatitis C with Herbal Medicines, College of Pharmacy, GC University, Faisalabad

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