# Faqir Muhammad, DVM, M.Sc(Hons.), Ph.D

**Professor/Dean**
**Faculty of Veterinary Sciences**
**Bahauddin Zakariya University, Multan, Pakistan**

## A. BRIEF RESUME

**1. Personal Information:**
**Date of Birth**: 15 February, 1972
**Nationality:** Pakistan
**Marital Status**: Married, two children
**Address**: House No. 466, B block, Ghulam Muhammad Abad, Faisalabad, Pakistan.
**Telephone**: 92-41-2682404; Cell: 92-305-9712950
**Email**: drfaqirmuhammad@bzu.edu.pk; faqirmuhammad33@gmail.com

**2. Education Background:**
**Ph.D.**, Pharmacology (Toxicology), 2004, North Carolina State University, Raleigh, NC, U.S.A.
**M.Sc (Hons.)**, Veterinary Pharmacology, 1997, University of Agriculture Faisalabad, Pakistan.
**D.V.M.** 1995, University of Agriculture Faisalabad, Pakistan.
**F.Sc.** (Pre-medical), 1989, Board of Intermediate and Secondary Education Faisalabad, Pakistan.
**Matriculation** (Science), 1987, Board of Intermediate and Secondary Education Sargodha, Pakistan.

**3. Professional experience:**
**Dean,** Faculty of Veterinary Sciences, Bahauddin Zakariyya University, Multan, Pakistan, May 15, 2024 to date
**Dean (Additional Charge)**, Faculty of Veterinary and Animal Sciences, University of Layyah, Pakistan, June 17, 2026 to date.
**Director**, Adanced studies and Research (DASR), Bahauddin Zakariyya University, Multan, Pakistan, March 27, 2025 to date.
**Chairman,** Department of BioSciences, Faculty of Veterinary Sciences, Bahauddin Zakariya University, Multan, Pakistan, October 28, 2021 to date
**Professor of Pharmacology,** Department of BioSciences, Faculty of Veterinary Sciences, Bahauddin Zakariya University, Multan, Pakistan, October 8, 2021 to date
**Visiting Professor**, College of Veterinary Medicine, National Chung-Hsing University, Taichung, Taiwan, November 10, 2024 to Feburary 9, 2025.
**Incharge/Director**, Institute of Pharmacy, Physiology and Pharmacology, University of Agriculture Faisalabad Pakistan, April 15, 2016 to October 8, 2021.
**Associate Professor,** Institute of Pharmacy, Physiology and Pharmacology, University of Agriculture Faisalabad Pakistan, May 29, 2013 to October 8, 2021.
**Research Assistant Professor**, Department of Anatomy and Physiology, Kansas State University, United State of America from November 11, 2013 to November 10, 2015. (Ex-Pakistan leave from October 28, 2013 to November 27, 2015)
**Assistant Professor**, Department of Physiology and Pharmacology, University of Agriculture Faisalabad, Pakistan, October 20, 2004 – May 28, 2013.
**Lecturer**, Department of Veterinary Anatomy, University of Agriculture Faisalabad, Pakistan, August 10, 1999 to October 19, 2004.
**Veterinary Officer** (health), Livestock and Dairy Development Department, Punjab, Pakistan, 14 November, 1997 to August 9, 1999.
**Lecturer**, Department of Veterinary Physiology and Pharmacology, University of Agriculture, Faisalabad, Pakistan, December 1996 to October, 1997.

**4. Scholarly and creative activities**

| *Refereed/non-refereed Activity* | *Number* |
|---|---|
| **Patents granted (Patent No. 144069 by IPO, Pakistan)** | **1** |
| **Patents filed (Applications 56/2020, 50/2021 IPO, Pakistan)** | **2** |
| **Book/monograph/Manual** | **11** |
| **Book Chapters** | **10** |
| **Research Manuscripts** | **165** |
| **Conferences/Abstracts** | **60** |
| **Extension Articles** | **6** |
| **Technical Reports** | **6** |
| **Invited Talks** | **16** |
| **PhD students** | **7** |
| **MPhil students** | **56** |
| **Research Projects completed** | **5** |
| **Research Projects ongoing** | **1** |
| **Worth of completed projects (million Rs)** | **14.6** |
| **Worth of ongoing project (million Rs)** | **4.6** |
| **Total Impact factor** | **303.57** |
| **Total Citations** | **5569** |
| **H-index** | **41** |
| **i10- index** | **136** |

**5. Membership in professional organizations**

- Full Member, Society of Toxicology USA since 2014
- Life time Member, Pakistan Biological Safety Association
- Member, Pakistan Veterinary Medical Council (PVMC) as registered veterinary medical practionar (RVMP # 12017)
- Member, Pakistan Veterinary Medical Council (PVMC) as registered veterinary medical faculty (RVMF # 498)
- Member, Finance and Planning Committee, University of Layyah, Pakistan.
- Member, International Bioethics Committee of UNESCO (IBC) for 2018-2021 (nominated)
- Member, American Society for Medicinally Active Plants for year 2012
- Member Sigma Xi, The Scientific Research Society, 2004 (North Carolina chapter).
- Member, Editorial board, Journal of Veterianry Pharmacology and Therapeutics.
- Associate Editor and Treasurer, Pakistan Veterinary Journal Faculty of Veterinary Science, University of Agriculture Faisalabad from 2016-2021.
- Member, Editorial Board, Pakistan Journal of Life and Social Sciences (2008 - present).
- Member of Pakistan Veterinary Medical Council (PVMC) working group pertaining to the strengthening/revision of DVM curriculum, March 2008.

**6. Scholarly and Professional honors/Awards**

- Certificate of appreciation from the Vice Chancellor Bahauddin Zakariyya University Multan in recognition of efforts for successfully completing the target admissions in the Faculty of Veterinary Sciences in 2025.
- Shield of appreciation from the Vice Chancellor Bahauddin Zakariyya University for executing the PSF funded research project from 2023-26 in University.
- Certificate and Shield of appreciation from the Vice Chancellor Bahauddin Zakariyya University in recognition of exceptional contributions to excellence, which have greatly enhanced the prestige of BZU Multan in 2025.

- Best Innovation and invention award 2024 in provincial contest of Universities held by Punjab Higher Education Commission, Government of Punjab, Pakistan.
- Received permanent accreditation of DVM and MPhil programs from Pakistan Veterinary Medical Council as Dean, Faculty of Veterinary Sciences BZU, Multan.
- Appreciation letter from Vice Chancellor, University of Agriculture Faisalabad for obtaining NOC from Pharmacy Council of Pakistan for the initiation of Pharm-D degree program in University.
- Member, panel of judges to evaluate the DICE-AFS 2018 Innovation Idea Competition on October 3, 2018, University of Agriculture Faisalabad.
- Member, panel of judges to evaluate the DICE-AFS 2017 Innovation Idea Competition on November 7, 2017, University of Agriculture Faisalabad.
- Member of Committee constituted by Government of Punjab to formulate "The Punjab Veterinary Drug Regulatory Act, 2017"
- Member, Board of studies in Biosciences, Faculty of Veterinary Science, B.Z University Multan since 2017 to 2021.
- Member, Board of Studies of Department of Physiology, GC University Faisalabad since 2017 to date.
- Cash award (Performance Honorarium on securing 5$^{th}$ position among 29 faculty participants) by the Dean, Faculty of Veterinary Science, University of Agriculture Faisalabad in August 2013.
- Research Productivity Award for year 2012 by Pakistan Council for Science and Technology, Government of Pakistan.
- Nominated as Subject Expert (Pharmacology) for Higher Education Commission (HEC) of Pakistan Curriculum Revision Committee 2011-12.
- Member, National Curriculum Revision Committee, Higher Education Commission of Pakistan in BS, MS and PhD Physiology Program held on May 9-11, 2012.
- The Millennium Life Time Award 2008, South Asia Publications, Pakistan.
- Star Laureate 2005, given by South Asia Publications, Pakistan.
- Shield for best presentation in 42$^{nd}$ Society of Toxicology annual meeting 2003, Salt Lake City, Utta, U.S.A.
- Cash Award in Dermal Specialty Section, Society of Toxicology annual meeting, 2003, Salt Lake City, Utta, U.S.A.
- Taylor & Francis Gift Certificate in recognition of the outstanding achievement in Toxicology Research.
- Certificate of Honor from Dean, Faculty of Veterinary Science for acting as member, Finance Committee in annual function of faculty 2008.
- Appreciation Letter from the Vice Chancellor, University of Agriculture Faisalabad, Pakistan in recognition of contribution for imparting training on "***Atomic Absorption Spectrophotometery***" in the Research Orientation Program (4$^{th}$ Course) that was held from August 13-27, 2007.
- Appreciation Letter from the Vice Chancellor, University of Agriculture Faisalabad, Pakistan in recognition of contribution for imparting training on "***Atomic Absorption Spectrophotometery***" in the Research Orientation Program (3$^{rd}$ Course) that was held from August 08-20, 2005.
- Appreciation award for research from Dean, Faculty of Veterinary Science, University of Agriculture, Faisalabad, Pakistan in faculty annual function 2005.
- Quida-i-Azam/Merit scholarship for PhD studies in U.S.A. by the Ministry of Education, Government of Pakistan (2001-2004).
- Distinction in M.Sc.(Hons.) Veterinary Pharmacology (1997).
- Throughout Ist Division and Merit Scholarship Holder.

**7. Professional services on campus:**

- Convener, IPR Preparation Committee, Institutional Quarlity Circle (IQC), BZU from 14-01-2026 to date.
- Focal Person for HEC pilot project "CLEAR-PLUS FRAMEWORK" from BZU w.e.f. May 20, 2026.
- Covener, Institutional Biosafety Committee, FVS-BZU Multan from 02-07-2024 todate.
- Editor, FVS newsletter, A biannual publication of FVS-BZU Multan.
- Chairman, Faculty Scrutiny Committees for the recruitment of faculty members.
- Chairman, Faculty Examination Committee, FVS, BZU Multan from 17-01-2023 to date.
- Member, Stretegic Planning Committee of BZU Multan from 02-10-2024 to date
- Member, Grievance Committee of BZU Multan from 28-11-2023 to date
- Memebr, Masjid Committee of BZU Multan from 12-07-2024 to date.
- Member, University Admission Committee BZU from 15-05-2024 to date
- Member, Faculty Examination Committee, FVS, BZU Multan from 22-11-2021 to 16-01-2023.
- Member, Dept. Disciplinary Committee, FVS, BZU from 24-11-2021 to date.
- Convener Purchase Committee, FVS BZU from 15-08-2022 to date.
- Convener, Faculty Admission Committee, FVS, BZU from 21-01-2023 to date.
- Member, Faculty Admission committee, FVS, BZU from 21-07-2022 to 20-1-2023.
- Member, ORIC Steering Committee/ORIC liaison member, University of Agriculture Faisalabad for 2020-2023.
- Member, Committee regarding permanent display/showcasing of technologies/models in the Exhibition center, UAF (2019 to 2021)
- Member, seminar and synopsis scrutiny committee, Faculty of Veterinary Science, University of Agriculture, Faisalabad, Pakistan (2007 -2013) (2016 to 2021)
- Secretary Mosques Committee, University of Agriculture Faisalabad November 11, 2020 to October 7, 2022.
- Member, Departmental Tenure Review Committee for evaluation of application dossier of Dr. M Saqib, Dr. Farah Deeba, Dr. Bilal Aslam, Dr. Junaid Ali Khan in 2017.
- Member, Scrutiny Committee constituted by the Vice Chancellor, UAF to scrutinize the applications for the posts of Associate Professors and Lecturers in May 2017.
- Member, program team, Quality Enhancement Cell, University of Agriculture, Faisalabad, Pakistan (2005 to 2013)
- Member, board of studies, Department of Physiology and Pharmacology, University of Agriculture, Faisalabad, Pakistan
- Member, Faculty board of studies, Faculty of Veterinary Science, University of Agriculture, Faisalabad, Pakistan.
- Joint Secretary, Academic Staff Association (2007), University of Agriculture Faisalabad, Pakistan.
- Tutor, Iqbal-4, Directorate of Student Affairs, University of Agriculture, Faisalabad, Pakistan.
- Co-Advisor, DVM session 2005-2009 University of Agriculture, Faisalabad, Pakistan.
- Member, Livestock Symposium Committee held on March 17, 2011 in connection with Golden Jubilee Celebrations of University of Agriculture Faisalabad, Pakistan.
- Member, vigilance committee of Faculty of Veterinary Science, University of Agriculture Faisalabad, Pakistan for academic year of 2010-2011.
- Member, vigilance committee for final examinations 2008-09, 2009-10, 2010-11, 2016-17 , 2018-19 Faculty of Veterinary Science, University of Agriculture Faisalabad.
- Member, Reception committee for 2nd All Pakistan Veterinary Degree Awarding Institutes Talent Competition held on 2-5 December, 2018.
- Member, Hostel Cleanliness Competition committee on 23rd March, 2018.
- Member, Penal of experts for DVM internee's class 2018, 2019, Faculty of Veterinary Science, University of Agriculture Faisalabad.

## 8. Innovation Idea/Product

1. Patent No. 144069 granted by Intelectual Property Organization (IPO), Government of Pakistan titled "Novel process for rapid detection of sulfonamide residues in milk" Date of seal 07-08-2023.

2. Filed patent vide application No. 56/2020 to Intelectual Property Organization (IPO), Government of Pakistan titled "Development of user friendly diagnostic kits for detection of Penicillin residues in milk" Receipt issue date 31 January 2020 the Patent office Karachi.

3. Filed a patent vide application No. 50/2021 to Intelectual Property Organization (IPO), Government of Pakistan titled "a novel immune stimulant nanoformulation against salmonella gallinarum in poultry" Reveipt issue date 12 January 2021 the Patent Office Karachi.

**9. Achievments as Dean FVS**

- Got permanent accreditation of DVM program from PVMC in 2025
- Got accreditation of MPhil programs in subject of Pharmacology & Toxicology, Microbiology, Pathology, Parasitology, Theriogenenology, Clinical Medicine & Surgery, Animal breeding & genetics and Animal Nutrition from PVMS in 2025.
- Started new BS programs in subjects of Toxicology and Biomedical Sciences in 2025.
- Established Horse riding school in FVS
- Established Integrated Agriculture-Livestock Ecosystem at experimental livestock farms of FVS
- Installed Bio-gas power plant as experimental livestock farms of FVS

**B. TEACHING AND MENTORING OF UNDERGRADUATE AND GRADUATE STUDENTS**

**Graduate Student Courses**

| Course Name | Course Code | Credit Hours | Number of Students |
|---|---|---|---|
| Pharmacokinetics | Pharm 704 | 4(3-1) | 15-25 |
| General Principles of Toxicology | Pharm 710 | 3(2-1) | 30-65 |
| Systemic Toxicology | Pharm 711 | 3(2-1) | 20-40 |
| Biochemical Pharmacology | Pharm 712 | 3(2-1) | 20-30 |
| Risk Assessment | Pharm 705 | 3(2-1) | 20-30 |
| Special Problem | Pharm 719 | 1(1-0) | 5-10 |
| Seminar in Pharmacology | Pharm 720 | 1(1-0) | 5-10 |

**Undergraduate Student Courses**

| Course Name | Course Code | Credit Hours | Number of Students |
|---|---|---|---|
| Integration | Integration-1 | 1 | About 100 |
| General Pharmacology and Toxicology | Pharm 201 | 4(3-1) | 120-150 |
| Systemic Pharmacology and Therapeutics | Pharm 302 | 4(3-1) | 120-150 |
| Environmental Toxicology | Pharm 303 | 3(2-1) | 30-40 |
| Veterinary Toxicology and Chemotherapy | Pharm 304 | 2(1-1) | 150-190 |

**GRADUATE STUDENTS**

**Major Supervisor**

| Year | Degree | Name |
|---|---|---|
| 2019 | PhD Pharmacology (completed) | Bushra Akhtar |
| 2021 | PhD Pharmacology (completed) | Sidra Altaf |
| 2021 | PhD Pharmacology (completed) | Nida Rana |
| 2021 | PhD Pharmacology (completed) | Rida Siddique |
| 2022 | PhD Pharmacology (Completed) | Majid Anwar |
| 2023 | PhD Pharmacology (Completed) | Dawood Naseer |
| 2023 | PhD Pharmacology (Completed) | Abdul Aleem |
| 2026 | PhD Food Science , GCWU, (Supervisor-II) | Hafiza Sadia Younas |
| 2026 | PhD Pharmacology (Completed) | Syeda Asloob Fatima |
| 2025 | MPhil Human Nutrition & Dietetics (Supervisor-II) (Completed) | Rameen Arshad |
| 2025 | MPhil Human Nutrition & Dietetics (Supervisor-II) (Completed) | Aqmsha Saleem |
| 2021 | MPhil Pharmacology (Completed) | Saima Zahid |
| 2021 | MPhil Pharmacology (Completed) | Ghufran Ahmad Khan |
| 2021 | MPhil Pharmacology (Completed) | Ifraha Abbas |
| 2021 | MPhil Pharmacology (Completed) | Ahmad Jamal |
| 2021 | MPhil Pharmacology (Completed) | Marvah Munir |
| 2021 | MPhil Epidemiology and Public Health (Completed) | Zia-ud-Din |
| 2020 | MPhil Pharmacology (Completed) | Waqar Hussain |
| 2020 | MPhil Pharmacology (Completed) | Asher Umer |
| 2020 | MPhil Pharmacology (Completed) | Muhammad Umair Murtaza |
| 2020 | MPhil Pharmacology (Completed) | Hafeez Ahmad |
| 2020 | MPhil Pharmacology (Completed) | Yasir Ali Yasir |
| 2020 | MPhil Pharmacology (Completed) | Syeda Asloob Fatima |
| 2020 | MPhil Pharmacology (Completed) | Zartashia Kanwal |
| 2019 | MPhil Pharmacology (Completed) | Maham Ashraf |
| 2019 | MPhil Pharmacology (Completed) | Haris Mazhar |
| 2019 | MPhil Pharmacology (Completed) | Adil Munir |
| 2019 | MPhil Pharmacology (Completed) | Maira Anwar |
| 2019 | MPhil Pharmacology (Completed) | Laraib Anam |
| 2019 | MPhil Pharmacology (Completed) | Kashif Iqbal |
| 2019 | MPhil Physiology (Completed) | Nimra Iqbal |
| 2018 | MPhil Pharmacology (completed) | Aamina Shahzadi |
| 2018 | MPhil Pharmacology (completed) | Aroosa Fazal Illahi |
| 2018 | MPhil Pharmacology (completed) | Areesha Nausher |
| 2018 | MPhil Pharmacology (completed) | Faiza Irshad |
| 2018 | MPhil Pharmacology (completed) | Nimra Tariq |
| 2018 | MPhil Pharmacology (completed) | Amara Sharif |
| 2018 | MPhil Pharmacology (completed) | Kashif Iqbal |
| 2018 | MPhil Pharmacology (completed) | Yahya Amjad |
| 2018 | MPhil Pharmacology (completed) | Kiran Shahzadi |
| 2018 | MPhil Physiology (completed) | Azka Anam |
| 2018 | MPhil Physiology (completed) | Sadia Khalil |
| 2018 | MPhil Physiology (completed) | Rabia Akram |
| 2018 | MPhil Physiology (completed) | Kanwal Zahra |
| 2017 | MS Community Health and Nutrition, AIOU | Ms. Fatima Majeed (Co-Superv) |

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|---|---|---|
| 2017 | MPhil Pharmacology (completed) | Anam Ahsan |
| 2017 | MPhil Pharmacology (completed) | Nayab Amber |
| 2017 | MPhil Pharmacology (completed) | Sadaf Ishtiaq |
| 2017 | MPhil Pharmacology (completed) | Samia Mahjbeen |
| 2017 | MPhil Pharmacology (Completed) | Rahat Uzma |
| 2016 | MPhil Pharmacology (Completed) | Arooma Munir |
| 2016 | MPhil Pharmacology (Completed) | Sarmad Siddique |
| 2016 | MPhil Pharmacology (Completed) | Um Ul Baneen |
| 2016 | MPhil Pharmacology (Completed) | Ayesha Noor |
| 2016 | MPhil Pharmacology (Completed) | Shamsa Nawaz |
| 2012 | MPhil Pharmacology (Completed) | M. Shoaib Zafar |
| 2012 | MPhil Pharmacology (Completed) | Nadia Hashmi |
| 2012 | MPhil Pharmacology (Completed) | Rehan Khalid |
| 2012 | MPhil Pharmacology (Completed) | Sameea Haroon |
| 2012 | MPhil Pharmacology (Completed) | M. Sharjeel Aslam |
| 2012 | MPhil Pharmacology (Completed) | Abdul Waheed |
| 2010 | MPhil Pharmacology (Completed) | Muzzamil Waheed |
| 2010 | MPhil Pharmacology (Completed) | Hafiz M. Umer Farooq |
| 2009 | MPhil Pharmacology (Completed) | Huma Haider |
| 2007 | M.Sc(Hons.) Pharmacology (Completed) | Ibadullah Jan |
| 2006 | MSc(Hons.) Pharmacology (Completed) | M. Asif Riaz |

**Member Supervisory Committee**

| **Year** | **Degree** | **Name** |
|---|---|---|
| | **PhD Students** | |
| 2023 | PhD Pharmacology (Completed) | Bushra Fatima |
| 2022 | PhD Pharmacology (Completed) | Shaneel Kauser |
| 2020-22 | PhD Pharmacology (on going) | M. Usman Bari |
| 2019 | PhD Pathology (on going) | Muhammad Waseem Tahir |
| 2023 | PhD Microbiology (Completed) | Sabahat Abdullah |
| 2017 | PhD Microbiology (on going) | Deeba Naz |
| 2020 | PhD Physiology (Completed) | Haroon Rashid |
| 2015-19 | PhD Physiology (Completed) | Aisha Mehmood |
| 2021 | PhD Physiology (Completed) | Zulfia Hussain |
| 2018 | PhD Pharmacology (Completed) | Asra Iftikhar |
| 2017-21 | PhD Pharmacology (Completed) | Faiza Hassan |
| 2022 | PhD Pharmacology (Completed) | Aqsa Mushtaq |
| 2017-21 | PhD Pharmacology (Completed) | Asif Hussain |
| 2013 | PhD Pharmacology | Tariq Hussain |
| 2013 | PhD Parasitology | M. Irfan Ullah |
| 2013 | PhD Parasitology | Mian Muhammad Awais |
| 2012 | PhD Clinical Medicine and Surgery | M. Nadeem Asi |
| 2012 | PhD Biochemistry | Bushra Munir |
| 2011 | PhD Physiology | Riffatullah Khan |
| 2011 | PhD Physiology | Haseeb Anwar |
| 2013 | PhD Biochemistry | Naila Rafiq |
| | **MPhil Students** | |
| 2021 | MPhil Pharmacology (completed) | Tooba Amir |
| 2021 | MPhil Pharmacology (completed) | Tahira Aslam |
| 2021 | MPhil Pharmacology (completed) | Shaista Jabin |
| 2021 | MPhil Pharmacology (completed) | Saman Anwar |

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|---|---|---|
| 2021 | MPhil Pharmacology (completed) | M. Usman Iqbal |
| 2021 | MPhil Pharmacology (completed) | Maria Daud |
| 2021 | MPhil Pharmacology (completed) | Komal Javed |
| 2021 | MPhil Pharmacology (completed) | Habib ur Rehman |
| 2021 | MPhil Pharmacology (completed) | Aneela Gul |
| 2020 | MPhil Pharmacology (completed) | Abdul Hannan |
| 2020 | MPhil Pharmacology (completed) | Rehman Nazir |
| 2020 | MPhil Pharmacology (completed) | Maryam Ghafoor |
| 2020 | MPhil Pharmacology (completed) | Sadia Sarwar Rana |
| 2020 | MPhil Pharmacology (completed) | Muhammad Junaid |
| 2018-19 | MPhil Pharmacology (completed) | Samia Munier |
| 2018-19 | MPhil Pharmacology (completed) | Tasneem Akram |
| 2018-19 | MPhil Pharmacology (completed) | Kainat Ashraf |
| 2018-19 | MPhil Pharmacology (completed) | Amreen Ashraf |
| 2018-19 | MPhil Pharmacology (completed) | Nazuk Qayyum |
| 2018-19 | MPhil Pharmacology (completed) | Bakhtawar Arshad |
| 2018-19 | MPhil Pharmacology (completed) | Faiza Saleem |
| 2018-19 | MPhil Pharmacology (completed) | Sana Marium |
| 2018-19 | MPhil Physiology (completed) | Abdul Rehman |
| 2018-19 | MPhil Physiology (completed) | Asad Qayyum |
| 2018-19 | MPhil Physiology (completed) | Hira Anjum |
| 2018-19 | MPhil Physiology (completed) | M. Zain ul Abideen |
| 2018-19 | MPhil Physiology (completed) | Noor Fatima |
| 2018-19 | MPhil Physiology (completed) | Saba |
| 2020 | MPhil Biochemistry (Completed) | Zarka Zia |
| 2020 | MPhil Biochemistry (Completed) | Maira Raoof |
| 2019 | MPhil Biochemistry (Completed) | Komal Shehzadi |
| 2019 | MPhil Biochemistry (Completed) | Ramsha Shabbir |
| 2019 | MPhil Biochemistry (Completed) | Hajra Noureen |
| 2019 | MPhil Biochemistry (Completed) | Ayesha Waheed |
| 2017 | MPhil Pharmacology (Completed) | Aamra Batool |
| 2017 | MPhil Pharmacology (Completed) | Aqsa Mubeen |
| 2017 | MPhil Pharmacology (Completed) | Hafiza Sidra Aslam |
| 2017 | MPhil Pharmacology (Completed) | Shafaq Naeem |
| 2018 | MPhil Pharmacology (Completed ) | Iqra Waheed |
| 2018 | MPhil Pharmacology (Completed) | Muhammad Furqan |
| 2018 | MPhil Pharmacology (Completed) | Samen Saeed Ahmad |
| 2018 | MPhil Pharmacology (Completed) | Muhammad Usman Bari |
| 2018 | MPhil Pharmacology (Completed) | Mahreen Aslam |
| 2018 | MPhil Pharmacology (Completed) | Syeda Mehak Munawar |
| 2018 | MPhil Pharmacology (Completed) | Misbah Mahmood |
| 2018 | MPhil Physiology (completed) | Tahira Maqsood |
| 2018 | MPhil Physiology (completed) | Shahida Parveen |
| 2018 | MPhil CABB | Umm-ul-Buneen |
| 2020 | MPhil CABB | Iqra Manzoor |
| 2017 | MPhil Pathology (completed) | Fahim Ahmad |
| 2017 | MPhil Biochemistry (Completed) | M. Asif Rafiq |
| 2017 | MPhil Microbiology (completed) | Sabahat Abdullah |
| 2017 | MPhil Microbiology (completed) | Qamar Majeed |
| 2017 | MPhil Microbiology (completed) | Ujala Ashraf |
| 2017 | MPhil Biochemistry (completed) | Muhammad Asif Rafiq |
| 2016 | MPhil Pharmacology (completed) | Arzoo Shahzad |
| 2016 | MPhil Pharmacology (completed) | Amina Arshad |

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|---|---|---|
| 2016 | MPhil Pharmacology (completed ) | Ambreen Mahmood |
| 2016 | MPhil Pharmacology (completed ) | Anam Iqbal |
| 2016 | MPhil Pharmacology (completed ) | Ayesha Gillani |
| 2016 | MPhil Pharmacology (completed ) | Hafiz Khalid Mehmood |
| 2016 | MPhil Pharmacology (completed ) | M Qasim Barkat |
| 2016 | MPhil Pharmacology (completed ) | Nafeesa Akhtar |
| 2016 | MPhil Pharmacology (completed ) | Nimra Nazar |
| 2016 | MPhil Pharmacology (completed) | Sadia Mahvish |
| 2016 | MPhil Pharmacology (completed) | Sobia Fiaz |
| 2016 | MPhil Pharmacology (completed) | Anam Maqsood |
| 2016 | MPhil Pharmacology (completed) | Sobia Sarwar |
| 2016 | MPhil Pharmacology (completed) | Ammara Ahmad |
| 2016 | MPhil Pharmacology (completed) | Safaq Naeem |
| 2016 | MPhil Pharmacology (completed) | Maida Rizwan |
| 2016 | MPhil Pharmacology (completed) | Ayesha Pervaiz |
| 2016 | MPhil Pharmacology (completed) | Sumra Komal |
| 2016 | MPhil Pharmacology (completed) | Zulfia Hussain |
| 2016 | MPhil Pharmacology (completed) | Sana Khalid |
| 2013 | MPhil Parasitology | M. Shoaib Zafars |
| 2013 | MPhil Biochemistry | Imtiaz Mahmood Tahir |
| 2013 | MPhil Biochemistry | Muhammad Imtiaz Sohail |
| 2013 | MPhil Biochemistry | Bilal Ahmed |
| 2013 | MPhil Biochemistry | M. Wasim Ashraf |
| 2012 | M Phil Pharmacology | Faiza Mumtaz |
| 2012 | M Phil Pharmacology | Asra Iftikhar |
| 2012 | M Phil Pharmacology | Hafiza Nayyab |
| 2012 | M Phil Pharmacology | Uzma Shaheen |
| 2012 | M Phil Pharmacology | Muhammad Riaz |
| 2012 | M Phil Pharmacology | M Imran Arshaad |
| 2012 | M Phil Pharmacology | Sana Javed |
| 2012 | M Phil Pharmacology | Hassan Arshad Khan |
| 2012 | M Phil Pharmacology | Humaira Naseer |
| 2012 | M Phil Pharmacology | Faiza Rasheed |
| 2012 | M Phil Pharmacology | Wafa Majeed |
| 2012 | M Phil Pharmacology | Bushra Ishaq |
| 2012 | MPhil Physiology | Mahmood Asif |
| 2012 | MPhil Pharmacology | Beenish Tanweer |
| 2012 | MPhil Pharmacology | Amama Kanwal |
| 2012 | MPhil Parasitology | Qari Muhammad Kaleem |
| 2011 | MPhil Physiology | Musaddiq Idrees |
| 2012 | MPhil Pathology | Adeel Sattar |
| 2012 | MPhil Biochemistry | Asifa Nazir |
| 2012 | MPhil Pathology | Salman Latif Butt |
| 2012 | M Phil Biochemistry | M. Azhar Hussain |
| 2011 | MPhil Clinical Medicine and Surgery | Awais-ur-Rahman Sial |
| 2011 | MPhil Biochemistry | Zunera Anjum |
| 2011 | M.Phil Anatomy | Adeel Sarfraz |
| 2010 | MPhil Biochemistry | Madeeha Anwar |
| 2010 | MPhil Biochemistry | Sumaira Sharif |
| 2010 | MPhil Biochemistry | Robina Bibi |
| 2011 | MPhil Pharmacology | Sajjal Sajjad |
| 2011 | MPhil Pharmacology | Rabiah Kanwal |
| 2011 | MPhil Pharmacology | Mamoona Anwar |

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|---|---|---|
| 2011 | MPhil Physiology | Mubashar Ali Khaliq |
| 2009 | MPhil Pharmacology | Andleeb Shehzadi |
| 2010 | MPhil Pharmacology | Imran Faisal |
| 2011 | MPhil Pharmacology | Imran Mukhtar |
| 2009 | MPhil Pathology | Rana M. Faheem Aslam |
| 2009 | MPhil Chemistry | Sadia Mushtaq |
| 2010 | MPhil Biochemistry | Aqsa Zafar |
| 2010 | MPhil Biochemistry | Farheen Iqbal |
| 2008 | MPhil Biochemistry | Faiza Habib |
| **M.Sc students** | | |
| 2013 | M.Sc. Biochemistry | Hina Fatima |
| 2012 | M.Sc. Biochemistry | Madiha Mumtaz |
| 2012 | M.Sc. Biochemistry | Zobia Masood |
| 2011 | M.Sc. Biochemistry | Uzma Rani |
| 2011 | M.Sc. Biochemistry | Attia Rasool Tabassum |
| 2011 | M.Sc. Biochemistry | Ghulam Mohiuddin Bhatti |
| 2011 | M.Sc. Biochemistry | Muhammad Naim |
| 2011 | M.Sc. Biochemistry | Imtiaz Mahmood Tahir |
| 2011 | M.Sc. Biochemistry | M. Usman Qamar |
| 2012 | M.Sc. Biochemistry | Tahira Batool |
| 2011-13 | M.Sc. Biochemistry | Saba Younas |
| 2010 | M.Sc. Biochemistry | Sumera Perveen |
| 2009 | M.Sc. Biochemistry | Muhammad Azhar Hussain |
| 2009 | M.Sc. Biochemistry | Sumaira Tasleem |
| 2009 | M.Sc. Biochemistry | S. Jawad Raza |
| 2008 | MSc.(Hons.) Microbiology | Muhammad Adnan Liaqat |
| 2008 | M.Sc. Biochemistry | Ashar Allah Ditta |
| 2007 | M.Sc(Hons.) Pathology | Syed Farrukh Riaz |
| 2006 | M.Sc(Hons.) Clinical Medicine and Surgery | Abeera Noureen |
| 2006 | M.Sc(Hons.) Pharmacology | Hafiz Muhammad Amin |
| 2006 | M.Sc(Hons.) Pathology | Muhammad Riaz |
| 2006 | M.Phil Biochemistry | Farah Naz |

**SERVICE ACTIVITIES**

- Teaching undergraduate and postgraduate classes.
- Conducting and supervising postgraduate research.
- Advisory services to the under and post graduate students.
- Administrative work as Chairman/Director/Dean

**Talks, popular articles, essays etc.**

- Oral presentation of paper titled "ENHANCED IMMUNE RESPONSE AND PROTECTION AGAINST SALMONELLA GALLINARUM INFECTION IN POULTRY BIRDS USING OUTER MEMBRANE PROTEIN-COATED GOLD NANOPARTICLES (OMPs-AuNPs)" in . INTERNATIONAL FOOD, AGRICULTURE AND VETERINARY SCIENCES CONGRESS May 29-31, 2025 Konya Food and Agriculture University, Konya, Turkieya.
- Invited Speaker in Pakistan Veterinary Medical Association Multan annual get together on April 26, 2025. Title of talk "Exploring AMR and Residue concerns in the Veterinary Profession"
- Invited speaker in Interprofessional Asia Pacific AMR Youth Forum 1.0, 6th January 2024 (online webinar). Title of Talk "Exploring AMR in veterinary Profession"

- Invited Speaker in "TOT workshop, Action to support the implementation of Codex AMR Texts" from 6-7 March 2024 at Avari Express Multan Pakistan. Title of Talk "**Disease Management (Role of Biosecurity, Herd Health Management, Vaccination)**
- Invited Speaker in hands on training workshop "Green synthesis of nanomaterials and applications in biomedical sciences, Department of Physiology, The Islamia University Bahawalpur, November 24, 2022.
- Delivered talk (Use of nanoparticulate systems in biodetoxification) in second international webinar on science, sustainable development and ecosystems in Saudi Arabia, Febuarary 14-16, 2022, Organized by Imam AbdurRahma bin Faisal University Kingdom of Saudi Arabia.
- Urdu article titled development of test strip for detection of penicillin and sulfonamide residues in biological fluids, Nida Noreen and Faqir Muhammad, published in Zari digest UAF July-September issue 2022.
- Deliverd talk (xenbiotic residues in one health perspectives) in 3rd national symposium on One Health, September 8, 2021 CAS-AFS, University of Agriculture Faisalabad.
- Delivered talk in international Red Meat seminar 1 on food safety concerning red meat organized by association of food laboratories and food auditors (GLADER) Turkey on 8th May 2021.
- Delivered talk in International Conference on Farriery and Allied Veterinary Sciences, December 07, 2020, Online conference organized by Afyon Kocatepe University Turkey in collaboration with Ss. Cyri and Methodius University, North Macedonia; Latvia University of life sciences and technologies, Latvia and Faculty of Veterinary Science, B.Z. University, Multan Pakistan.
- Invited Speaker in 4th International conference on materials science and nanotechnology, March 3-5, 2020, GC University Faisalabad. Topic of Talk "Nanoparticulate systems for biodetoxification and drug delivery)
- Delivered talk in one day symposium on nanomedicine current scenario and future prospectives on August 6, 2019 CAS auditorium UAF. Topic of talk "Nanoparticle based technologies for biodetoxification and drug delivery"
- Invited Speaker in 3rd International conference on materials science and nanotechnology, February 18-20, 2019, GC University Faisalabad. Topic of Talk "Polymeric nanoparticles in biodetoxification)
- Invited Speaker in one day symposium on Frontiers of nanotechnology. Applications in Pakistan: Present scenario and future avenues, October 24, 2018, National Institute of Biotechnology and Genetic Engineering, Faisalabad. Topic of talk "PLGA nanoparticles in biodetoxification and drug delivery"
- Delivered lecture on "Chromatography" in two days workshop on "Applied Physiology and Pharmacology Techniques for Young Scientists" Feburary 12-13, 2016, Institute of Pharmacy, Physiology and Pharmacology, University of Agriculture Faisalabad.
- Gave a talk/lecture on rational use of drugs and hormones in animals at district Kot Momin (November 30, 2016) during outreach activity Funded by Endowment Fund, University of Agriculture Faisalabad.
- Delivered faculty seminar titled "nanoparticles based technologies for biodetoxification" in faculty of Veterinary Science UAF on 12-11-2016
- Misbah Mahmood, Bushra Akhtar. Faqir Muhammad, Ali Sharif. Major health risks associated with fast food use and alarming need of community awareness. Published in weekly Technology Times January 15, 2018-Pakistan's first ever newspaper on S&T.
- Ahmad Raza, Faqir Muhammad, Bilal Aslam. 2014. Pesticide residues in milk and meat posing risks to public health (urdu article). Veterinary news and views, Faisalabad No. 44, dated 22-30 September 2014.
- Ahmad Raza, Faqir Muhammad, Bilal Aslam, Tanweer Khaliq, Asghar Ali. 2013. Pleuropneumonia in sheep/goat and its prevention (urdu article). Veterinary news and views, Faisalabad No. 25, dated 16-23 November 2013.

- Ahmad Raza, Faqir Muhammad, Bilal Aslam, Tanweer Khaliq, Asghar Ali. 2013. Haemorrahgic Septicaemia in cows/buffaloes: extreme weather and vaccination (urdu article). Veterinary news and views, Faisalabad No. 06, dated 9-16 December 2013.
- Faqir Muhammad, M. Irfan Anwar, Ahmad Raza. 2013.Drinking water: a risk factor to the poultry industry. Veterinary news and views, Faisalabad No. January 2013.
- Samea Haroon, Faqir Muhammad, Ijaz Javed Hassan, Masood Akhtar.2011. Smoking in perspective of history (urdu article). Veterinary news and views, Faisalabad No. 04, dated 24-30 November 2011.

**External Examiner/Internal Examiner**

- **2005,** Gomal Veterinary College, Gomal University Dera Ismail Khan, Paper setter and external examiner in **Chemotherapy and Toxicology** (Annual and Supplementary examination).
    - **2005,** Gomal Veterinary College, Gomal University Dera Ismail Khan, Paper setter and external examiner in **Systemic Pharmacology and Therapeutics** (Annual examination).
    - **2006,** Gomal Veterinary College, Gomal University Dera Ismail Khan, Paper setter and external examiner in **General Pharmacology and Toxicology** (Annual examination).
    - **2008,** PhD written and oral comprehensive examination of Mr. Zahoor-ul-Hassan, Deptt. of Pahthology, University of Agriculture Faisalabad.
    - **2008,** PhD written and oral comprehensive examination of Mr. Haseeb Anwar, Deptt. of Physiology and Pharmacology, University of Agriculture Faisalabad.
    - **2009,** PhD written and oral comprehensive examination of Mr. Riffatullah Khan, Deptt. of Physiology and Pharmacology, University of Agriculture Faisalabad.
    - **2009**, PhD written and oral comprehensive examination of Miss Rahila Ilyas, Reg. No. 2006-ag-513, Deptt. of Zoology, University of Agriculture Faisalabad.
    - **2010,** PhD written and oral comprehensive examination of Miss Naila Rafique, Reg. No. 2004-ag-579, Deptt. of Chemistry and Biochemistry, University of Agriculture Faisalabad.
    - **2010**, PhD written and oral comprehensive examination of Miss Ayesha Masood, Reg. No. 2000-ag-707, Deptt. Anatomy, University of Agriculture Faisalabad.
    - **2010, 2011,** Livestock Assistant Diploma (LAD) course, annual examination first year for LAD 103 (Pharmacology), University of Agriculture Faisalabad.
    - **2011,** Gomal Veterinary College, Gomal University Dera Ismail Khan, Paper setter and external examiner in **Systemic Pharmacology and Therapeutics** (Annual examination).
    - **2011**, PhD written and oral comprehensive examination of Miss Riffat Iqbal, Reg. No. 2003-ag-277, Deptt. Chemistry and Biochemistry, University of Agriculture Faisalabad.
    - **2011**, PhD oral comprehensive examination of Mr. Moin-ud-din, Reg. No. 2003-ag-281, Deptt. Chemistry and Biochemistry, University of Agriculture Faisalabad **(VC Nominee)**
    - **2011**, PhD oral comprehensive examination of Miss. Madiha Rohi, Reg. No. 2003-ag-1501, NIFSAT, University of Agriculture Faisalabad **(VC Nominee)**
    - **2011**, PhD oral comprehensive examination of Miss. Tanzila Sahar, Reg. No. 2005-ag-144, Department of Chemistry and Biochemistry, University of Agriculture Faisalabad **(VC Nominee)**
    - **2011, Deputy Superintendent,** Entry test, BSc(Hons.) Agri. Engineering, Faculty of Agricultural Engineering and Technologies, University of Agriculture Faisalabad, dated 09 September 2011.

- **2011**, PhD written and oral comprehensive examination of Miss Nila Rafique, Reg. No. 2004-ag-579, Deptt. Chemistry and Biochemistry, University of Agriculture Faisalabad.
- **2012**, PhD oral comprehensive examination of Miss. Robina Rashid, Reg. No. 2001-ag-805, Department of Chemistry and Biochemistry, University of Agriculture Faisalabad **(VC Nominee)**
- **2012**, PhD oral comprehensive examination of Mr. Moin-ud-din, Reg. No. 2003-ag-281, Deptt. Chemistry and Biochemistry, University of Agriculture Faisalabad **(VC Nominee)**
- **2012**, PhD oral comprehensive examination of Mr. Ghulam Abbas, Reg. No. 2004-ag-1146, Institute of soil and environmental sciences, University of Agriculture Faisalabad **(VC Nominee)**
- **2012**, PhD oral comprehensive examination of Miss Asia Atta, Reg. No. 2002-ag-743, Deptt. Chemistry and Biochemistry, University of Agriculture Faisalabad.
- **2013**, PhD oral comprehensive examination of Mr. Mian Muhammad Awais, Reg. No. 2003-ag-2076, Deptt. Parasitology, University of Agriculture Faisalabad.
- **2013**, PhD written comprehensive and oral examination (Chairman board of Examiners) of Mr. Muhammad Mudassar Ashraf, Regd. No. 2010-ag-74, Deptt. Physiology and Pharmacology, University of Agriculture Faisalabad.
- **2013**, PhD written and oral comprehensive examination of Miss Aisha Khatoon, Regd. No. 2003-ag-2042, Deptt. Pathology, University of Agriculture Faisalabad
- **2013**, PhD written comprehensive and oral examination of Miss Zinayyera Subhani, Regd. No. 2012-ag-42, Deptt. Chemistry and Biochemistry, University of Agriculture Faisalabad
- **2013**, External examiner for MPhil thesis of Miss Saadia Abbasi at faculty of Pharmacy, University of Sargodha dated 17-6-2013.
- **2013**, PhD oral comprehensive examination of Miss Saira Sultan, Reg. No. 2009-ag-1179, National Institute of Food Science and Technology, University of Agriculture Faisalabad **(VC Nominee)**
- **2013**, PhD oral comprehensive examination of Miss Saima Naz, Reg. No. 2006-ag-470, Department of Chemistry & Biochemistry, University of Agriculture Faisalabad **(VC Nominee)**
- **2013,** Examiner to set question paper with 200 MCQs in the subject of Pharmacology for GRE (SUBJECT) test for admission in PhD at University of Agriculture Faisalabad.
- **2013**, PhD oral comprehensive examination of Mr. Awais Altaf, Reg. No. 2007-ag-362, Department of Chemistry & Biochemistry, University of Agriculture Faisalabad **(VC Nominee)**
- **2013**, PhD written comprehensive and oral examination of Miss Saman Hina, Regd. No. 2006-ag-560, Deptt. Chemistry and Biochemistry, University of Agriculture Faisalabad
- **2013**, PhD oral comprehensive examination of Mr. Abdul Ahid Rashid, Reg. No. 96-ag-1482, National Institute of Food Science and Technology, University of Agriculture Faisalabad **(VC Nominee)**
- **2013**, PhD oral comprehensive examination of Miss Asia Atta, Reg. No. 2002-ag-743, Deptt. Chemistry and Biochemistry, University of Agriculture Faisalabad.
- **2013**, PhD oral comprehensive examination of Miss Sadia Noreen, Reg. No. 2005-ag-254, Deptt. Chemistry and Biochemistry, University of Agriculture Faisalabad.
- **2013**, PhD written comprehensive examination of Miss Saman Hina, Reg. No. 2006-ag-560, Deptt. Chemistry and Biochemistry, University of Agriculture Faisalabad.
- **2015,** External examiner for MPhil thesis evaluation, University of Karachi.
- **2015,** Reviewer for project evaluation titled toxico-pathological effects of glyphosate in dairy animals and its residues in meat and milk, HEC, Islamabad.
- **2016**, External examiner for MPhil thesis evaluation, The University of Faisalabad.

- **2016,** Reviewer for project evaluation, Endowment Fund Secretariat, University of Agriculture Faisalabad.
- **2016**, PhD written comprehensive and oral examination of Miss Sehrish Murtaza, Reg. No. 2012-ag-762,Institute of Pharmacy, Physiology and Pharmacology, University of Agriculture Faisalabad.
- **2016**, PhD oral comprehensive examination of Mr. Muhammad Kshif, Reg. No. 2014-ag-8621, Department of Chemistry, University of Agriculture Faisalabad **(VC Nominee)**
- **2016**, PhD oral comprehensive examination of Miss Farah Ahmad, Reg. No. 2006-ag-1603, National Institute of Food Science and Technology, University of Agriculture Faisalabad **(VC Nominee)**
- **2016**, PhD oral comprehensive examination of Miss Fariha Latif, Reg. No. 2012-ag-550, Department of Zoology, Wildlife and Fishries, University of Agriculture Faisalabad **(VC Nominee)**
- **2016**, PhD oral comprehensive examination of Mr. Muneeb Khan, Reg. No. 2008-ag-2529, National Institute of Food Science and Technology, University of Agriculture Faisalabad, dated 21-12-2016 **(VC Nominee)**
- **2016**, PhD oral comprehensive examination of Miss Nighat, Reg. No. 2007-ag-539, Department of Biohemistry, University of Agriculture Faisalabad dated 27-07-2016 **(VC Nominee)**
- **2017,** PhD oral comprehensive examination of Miss Asma Jabeen, Reg. No. 2010-ag-1648, Department of Chemistry, University of Agriculture Faisalabad dated 21-01-2017 **(VC Nominee)**
- **2017**, PhD oral comprehensive examination of Miss Asma Jabeen, Reg. No. 2010-ag-1648, Department of Chemistry, University of Agriculture Faisalabad dated 21-01-2017 **(VC Nominee)**
- **2017**, PhD oral comprehensive examination of Miss Nighat, Reg. No. 2007-ag-539, Department of Biohemistry, University of Agriculture Faisalabad dated 30-01-2017 **(VC Nominee)**
- **2017** PhD written and oral comprehensive examination of Miss Sidra Altaf, Reg. No. 2012-ag-1119, Institute of Pharmacy, Physiology and Pharmacology, University of Agriculture Faisalabad.
- **2017** PhD written and oral comprehensive examination of Miss Aqsa Mushtaq, Reg. No. 2012-ag-765, Institute of Pharmacy, Physiology and Pharmacology, University of Agriculture Faisalabad.
- **2017** PhD written and oral comprehensive examination of Mr. Ahsan Naveed, Reg. No. 2008-ag-2901, Institute of Microbiology, University of Agriculture Faisalabad.
- **2017** Mphil thesis evaluation and viva voce of two students (Faisal Razzaq and Maryam Zaib) on 3-4-2017, The University of Lahore, Pakistan.
- **2017** PhD written and oral comprehensive examination of Miss Bushra Akhtar, Reg. No. 2015-ag-3626, Institute of Pharmacy, Physiology and Pharmacology, University of Agriculture Faisalabad.
- **2017** PhD written and oral comprehensive examination of Miss Kanwal Akhtar, Reg. No. , Department of Physics, University of Agriculture Faisalabad.
- **2017** PhD oral comprehensive examination of Muhammad Shoaib Aslam, Reg. No. 2015-ag-2316, National Institute of Food Science and Technology, University of Agriculture Faisalabad **(VC Nominee)**
- **2017** Examiner for DVM final class internees, FVS, UAF vide NO./D/DFVS 1398 dated 15-5-17.
- **2017** PhD oral comprehensive examination of Faiqa Javed, Reg. No. 2007-ag-1010, National Institute of Food Science and Technology, University of Agriculture Faisalabad **(VC Nominee)**
- **2017** PhD oral comprehensive examination of Muhammad Kaleem, Reg. No. 2013-ag-6229, Department of Botany, University of Agriculture Faisalabad **(VC Nominee)**

- **2017** PhD oral comprehensive examination of Muhammad Khalid Qadeer, Reg. No. 96-ag-1317, Institute of Animal and Dairy Sciences, University of Agriculture Faisalabad **(VC Nominee)**
- **2017** PhD oral comprehensive examination of Muhammad Atif, Reg. No. 2011-ag-1497, Department of Chemistry, University of Agriculture Faisalabad **(VC Nominee)**
- **2017** PhD oral comprehensive examination of Muneeb Khan, Reg. No. 2008-ag-2529, National Institute of Food Science and Technology, University of Agriculture Faisalabad **(VC Nominee)**
- **2017** Paper setter for MCQs for GRE (Subject) and shortlisting test, by controller of Examinations, University of Agriculture Faisalabad.
- **2018** Paper setter for MCQs for GRE (Subject) and shortlisting test, by controller of Examinations, University of Agriculture Faisalabad.
- **2018** Paper setter for MCQs for MPhil based on Pharm-D degree and shortlisting test, by Dean, Faculty of Veterinary Science, University of Agriculture Faisalabad.
- **2018** PhD oral comprehensive examination of Zafar Ullah Razzaq, Reg. No. 2006-ag-1553, National Institute of Food Science and Technology, University of Agriculture Faisalabad. **(VC Nominee)**
- **2018** PhD written and oral comprehensive examination of Miss Zulfia Hussain, Reg. No. 2014-ag-1757, Institute of Pharmacy, Physiology and Pharmacology, University of Agriculture Faisalabad.
- **2018** PhD written and oral comprehensive examination of Miss Rida Siddique, Reg. No. 2014-ag-2643, Institute of Pharmacy, Physiology and Pharmacology, University of Agriculture Faisalabad.
- **2018** PhD written and oral comprehensive examination of Mr. Asif Hussain, Reg. No. 2014-ag-1054, Institute of Pharmacy, Physiology and Pharmacology, University of Agriculture Faisalabad.
- **2018** PhD written and oral comprehensive examination of Miss Shaneel Kousar, Reg. No. 2013-ag-932, Institute of Pharmacy, Physiology and Pharmacology, University of Agriculture Faisalabad.
- **2018** PhD written and oral comprehensive examination of Miss Nida Noreen, Reg. No. 2014-ag-1759, Institute of Pharmacy, Physiology and Pharmacology, University of Agriculture Faisalabad.
- **2018** PhD oral comprehensive examination of Muhammad Mansoor Javed, Reg. No. 2008-ag-1839, Institute of Animal and Dairy Sciences, University of Agriculture Faisalabad. **(VC Nominee)**
- **2018** PhD oral comprehensive examination of Muhammad Zulqurnain Shakir, Reg. No. 2009-ag-3343, Department of Pathology, University of Agriculture Faisalabad. **(VC Nominee)**
- **2018** PhD oral comprehensive examination of Muhammad Ashar Ayub, Reg. No. 2011-ag-3001, Institute of Soil and Environmental Sciences, University of Agriculture Faisalabad. **(VC Nominee)**
- **Superintendent** for conduct of entry test for MPhil admission in the subject of Pharmacy (paper setting, marking) on 9-7-2018 at Faculty of Veterinary Science University of Agriculture Faisalabad.
- **Panel Evaluation** of DVM 10$^{th}$ semester students regarding their internship reports for 2018.
- **External Examiner** for MPhil Pharmacology thesis evaluation of Dr. Shabana Arzoo Dow University of Health Sciences Karachi February 2019.
- **Candidate Evaluation** for the appointment of Associate Professor of Physiology in the Department of Basic Sciences, University College of Veterinary and Animal Sciences, Islamia University Bahawalpur on May 17, 2019.
- **2019** Paper setter for MCQs for GRE (Subject) and shortlisting test, by controller of Examinations, University of Agriculture Faisalabad.
- **2019** Paper setter for MCQs for MPhil based on Pharm-D degree and shortlisting test, by Dean, Faculty of Veterinary Science, University of Agriculture Faisalabad.

- **Superintendent** for conduct of entry test for MPhil admission in the subject of Pharmacy (paper setting, marking) on 30-7-2019 at Faculty of Veterinary Science University of Agriculture Faisalabad.
- **Superintendent** for conduct of entry test for undergraduate admissions in UAF on 21-7-2019 for BLOCK-6 at Faculty of Veterinary Science University of Agriculture Faisalabad.
- **External Examiner** for MPhil Physiology thesis evaluation of Jawad Ahmad, Roll No. 6509, GC University Faisalabad, September 2019.
- **External Examiner** for MPhil Physiology thesis evaluation of Muhammad Akif Saeed, Roll No. 6508, GC University Faisalabad, September 2019.
- **External Examiner** for MPhil Physiology thesis evaluation of Huma Javed, Roll No. 6511 GC University Faisalabad, September 2019.
- **2019** PhD written and oral comprehensive examination of Miss Sabahat Abdullah, Reg. No. 2009-ag-3241, Institute of Microbiology, University of Agriculture Faisalabad.
- **2019** PhD written and oral comprehensive examination of Miss Amina Faheem, Reg. No. 2012-ag-31, Institute of Pharmacy, Physiology and Pharmacology, University of Agriculture Faisalabad.
- **2019** PhD written and oral comprehensive examination of Miss Syeda Momna Ishtiaq, Reg. No. 2015-ag-392, Institute of Pharmacy, Physiology and Pharmacology, University of Agriculture Faisalabad.
- **External Examiner** for PhD Physiology thesis evaluation of Mr. Imran Mukhtar, GC University Faisalabad, October, 2019.
- **External Examiner** for MPhil Physiology thesis evaluation of Ms. Khadija Uraib, GC University Faisalabad, October, 2019.
- **Superintendent** for entry test Pharm-D held on 27 October, 2019 in Faculty of Veterinary Science, University of Agriculture Faisalabad.
- 2019 **Paper setter** of 100 MCQs for subject (Pharmacology) GRE test for PhD candidates.
- **External Examiner** for MPhil Physiology thesis evaluation of Ms. Yasmin Mushtaq, GC University Faisalabad, January 2020.
- **External Examiner** for MPhil Physiology thesis evaluation of Ms. Saba Abid, GC University Faisalabad, January 2020.
- **Focal Person** for MPhil entry test for admissions to various disciplines in Faculty of Veterinary Science 2020.
- **Paper Setter** for short listing of lecturers in the subject of Pharmacology, University of Agriculture Faisalabad 2020
- **2020** PhD written and oral comprehensive examination of Miss Amna fahim, Reg. No. 2012-ag-31, Institute of Physiology and Pharmacology, University of Agriculture Faisalabad.
- **2020** PhD written and oral comprehensive examination of Miss Noreen Aslam, Reg. No. 2016-ag-1889, Institute of Physiology and Pharmacology, University of Agriculture Faisalabad. (Chairman board of Examiners)
- **2020** PhD written and oral comprehensive examination of Miss Alishbah Roobi, Reg. No. 2016-ag-1890, Institute of Physiology and Pharmacology, University of Agriculture Faisalabad. (Chairman board of Examiners)
- **2020** PhD written and oral comprehensive examination of Mr. Rana Dawood Naseer, Reg. No. 2012-ag-1133, Institute of Physiology and Pharmacology, University of Agriculture Faisalabad. (Chairman board of Examiners)
- **2021** PhD written and oral comprehensive examination of Mr. Muhammad Usman Bari, Reg. No. 2016-ag-1739, Institute of Physiology and Pharmacology, University of Agriculture Faisalabad. (Chairman board of Examiners)
- **2021** PhD written and oral comprehensive examination of Miss Ambreen Mehmood, Reg. No. 2014-ag-1552, Institute of Physiology and Pharmacology, University of Agriculture Faisalabad. (Chairman board of Examiners)

- **2021** PhD oral comprehensive examination of Mr. Syed Muhammad Abrar Ul Haq, Reg. No. 2017-ag-25, Institute of Food Science and Technology, University of Agriculture Faisalabad. (**VC nominee**)
- **2021** PhD written and oral comprehensive examination of Mr. Abdul Aleem, Reg. No. 2016-ag-1344, Institute of Physiology and Pharmacology, University of Agriculture Faisalabad. (Chairman board of Examiners)
- **2021** PhD oral comprehensive examination of Miss Summayia Inam, Reg. No. 2015-ag-576, Department of Chemistry, University of Agriculture Faisalabad. (**VC nominee**)
- **2021** PhD oral comprehensive examination of Miss Amna Ayub, Reg. No. 2015-ag-1843, Department of Chemistry, University of Agriculture Faisalabad. (**VC nominee**)
- **2021** PhD written and oral comprehensive examination of Miss Maham Abdul Bari, Reg. No. 2018-ag-4053, Department of Biochemistry, University of Agriculture Faisalabad.
- **2021** PhD written and oral comprehensive examination of Miss Maria Fatima, Reg. No. 2015-ag-1731, Department of Biochemistry, University of Agriculture Faisalabad.
- **2021** PhD written and oral comprehensive examination of Miss Rimsha Younas, Reg. No. 2013-ag-4794, NIFSAT, University of Agriculture Faisalabad.
- **2021** External Examiner for PhD thesis defense of Miss Asifa Afzal, National Institute of Biotechnology and Genetic Engineering, Faisalabad, on December 29, 2021.
- **2022** External Examiner for PhD thesis defence of Mr. Muzzamal Sattar, Department of Physiology, GC University Faisalabad dated January 10, 2022.
- **2022** External Examiner for PhD thesis defense of Miss Aysha Shaheen, National Institute of Biotechnology and Genetic Engineering, Faisalabad, on June 08, 2022.
- **2022** External Examiner for PhD thesis defense of Miss Shabih Fatma, National Institute of Biotechnology and Genetic Engineering, Faisalabad, on June 24, 2022.
- **2022** External Examiner for PhD thesis defense of Miss Khizra Bano, National Institute of Biotechnology and Genetic Engineering, Faisalabad, on July 01, 2022.
- **2022** External Examiner for PhD thesis defense of Mr. Muhammad Usman, National Institute of Biotechnology and Genetic Engineering, Faisalabad, on July 27, 2022.
- **2022** External Examiner for PhD thesis defense of Miss Ayesha Taj, National Institute of Biotechnology and Genetic Engineering, Faisalabad, on August 25, 2022.
- **2023** External reviewer of MPhil Thesis Biomedical Sciences (Pharmacology) of Dr. Asma Qamar, Dow University of Health Sciences, Karachi (24 August 2023).
- **2024** External reviewer of MPhil Thesis Biomedical Sciences (Pharmacology) of Ms. Syeda Hiba Jaffar, Dow University of Health Sciences, Karachi (11 January 2024).
- **2025** External reviewer of PhD thesis Physiology of Ms. Liza, Registeration Number 2020-GCUF-08599, Department of Physiology, Government College University Faisalabad (16-03-2025).
- **2025** External Examiner for PhD thesis defense of Miss Aimen Saleem, National Institute of Biotechnology and Genetic Engineering, Faisalabad, on October 6, 2025.
- **2025** External reviewer of PhD thesis Physiology of Ms. Saima Malik, Registeration Number 2016-GCUF-000086, Department of Physiology, Government College University Faisalabad (28-10-2025).
- **2026** External Evaluator of PhD thesis defence Physiology of Ms. Saima Malik, Registeration Number 2016-GCUF-000086, Department of Physiology, Government College University Faisalabad (07-07-2026).
- **2026** External Evaluator of PhD thesis defence Physiology of Ms. Sana Saleem, Registeration Number 2015-GCUF-18102, Department of Physiology, Government College University Faisalabad (07-07-2026).
-

**Teacher Exchange Programme/Agreements**

- Taught Systemic Pharmacology and Therapeutics to DVM students at Buhauddin Zakaria University Multan under Short term teacher exchange programme sponsored by the Higher Education Commission, Islamabad in October **2008.**
- Focal person for Material Transfer Agreement between UAF and Kansas State University for providing nanoparticles for research since 30-6-2016.
- Focal person for signing the MOU between UAF and Aziz Fatimah Trust Hospital Faisalabad to provide clinical pharmacy trainings to the Pharm-D students since January 2017.

**Reviewer of Journals**

- Drug Delivery, an impact factor journal
- Dose Response, an impact factor journal
- Toxicology Mechanims and Methods, an impact factor journal
- Inflammopharmacology, an impact factor journal
- Cutaneous and Ocular Toxicology, an impact factor journal
- International Journal of Biological Macromolecules, an impact factor journal
- Pharmaceutical Biology, an impact factor journal
- Journal of Veterinary Pharmacology and Therapeutics, an impact factor journal
- Natural Product Research Part A, an impact factor journal
- Journal of Ecology and Natural Environment, an impact factor journal
- British Journal of Pharmaceutical Research
- Pakistan Veterinary Journal, an impact factor journal
- Pakistan Journal of Life and Social Sciences, HEC recognized journal
- Evidense based complementary and alternative medicine

**RESEARCH INTERESTS**

Quantitative Structure Activity Relationship (QSAR) analysis of different xenobiotics such as drugs, heavy metals, pesticides, and hydrocarbons in different occupational scenarios for residue predictions. Dermal absorption kinetics and irritation studies of toxicants in *invitro* and *invivo* models to screen the chemicals for their safety. Pharmacokinetics of drugs, health protective effects of plant extracts against induced toxicological insults in animal models, penetration enhancement of drugs by compounds of natural origin. Currently, my focus is on the use of polymeric nanoparticles in bio-detoxification and drug delivery systems. I am funded to develop diagnostic kits for antibiotic residue detection in animal tissues as well as developing immune-stimulation products for control of salmonellosis and collibacillosis in poultry using gold nanoparticles.

**MONOGRAPHS/ MANUAL/BOOK CHAPTERS IN INTERNATIONAL BOOKS**

Rida Siddique, **Faqir Muhammad,** Uzma Saleem, Tourki A. S. Baokbah, Muhammad Qasim, Aqel Albutti, Samia Al-Shouli, Nazir Ahmad, Kaisun Nesa Lesa, Jawaher H. Alqahtani. 2025. Therapeutic effects of flavonoids in breast cancer. In: Phytonutrients in the treatment of Breast Cancer. Ist Edition, CRC Press NY, USA.

Bushra Aktar, **Faqir Muhammad**, Ali Sharif 2023. Nanomedicine in treatment of diseases. Book published by Springer Nature. ISBN 978-981-99-7625-6. https://doi.org/10.1007/978-981-99-7626-3

Rida Siddique, Ammara Saleem, **Faqir Muhammad**, M Furqan Akhtar, Bushra Akhtar, Ali Sharif 2023. Nanomedicine for the treatment of bacterial diseases. In: B Akhtar, F Muhammad and A Sharif (eds), Nanomedicine in treatment of diseases. Book published by Springer Nature. pp 89-122. https://doi.org/10.1007/978-981-99-7626-3

Majid Anwar, **Faqir Muhammad**, Bushra Akhtar, Sana Fatima, Hassnain Khan, Chi-Chung Chou 2023. Nanomedicine in the treatment of skin diseases. In: B Akhtar, F Muhammad and A Sharif (eds), Nanomedicine in treatment of diseases. Book published by Springer Nature. pp 285-306. https://doi.org/10.1007/978-981-99-7626-3

Anwar M, **Muhammad F**, Fatima S, Farooq MA, Shafeeq M, Ahmad HMW, Chughtai SA and Aleem A, 2023. Innovative strategies for the control of zoonotic diseases by using nanotechnology. In: Khan A, Rasheed M and Abbas RZ (eds), Zoonosis, Unique Scientific Publishers, Faisalabad, Pakistan, Vol. I: 198- 210. https://doi.org/10.47278/book.zoon/2023.014

Bushra Akhtar, **Faqir Muhammad**, Ali Sharif, Tahira Aslam, 2022. Toxicity of nanomaterials in drug delivery. In: Applications of nanotechnology in drug discovery and delivery by Egbuna C; Gaman M A; Jeevanandam J. Elsevier, Radarweg 29, PO Box 211, 1000 AE Amsterdam, pp: 345-366. ISBN: 978-0-12-824408-1

**Faqir Muhammad**, Bilal Aslam, Faiza Hassan and Kashif Iqbal, 2021.Manual of Veterinary Chemotherapy and Toxicology. Institute of Physiology and Pharmacology, University of Agriculture, Faisalabad.1st Edition. ISBN: 978-969-8237-91-2

**Faqir Muhammad**, Bilal Aslam, Kashif Iqbal and Faiza Hassan 2020. Manual of General and Systemic Pharmacology. Institute of Physiology and Pharmacology, University of Agriculture, Faisalabad.1st Edition. ISBN: 978-969-8237-90-5

N Noreen, MA Shah, F Khan, K Niaz, **F Muhammad**, I Shah, M Abdollahi (2020). Meditarranean diet for active and healthy aging. In: Nutrients and Nutraceuticals for Active & Healthy Ageing, 239-264. DOI https://doi.org/10.1007/978-981-15-3552-9, Springer Nature Singapore Pte Limited.

**Faqir Muhammad,** Bilal Aslam, Faiza Hassan, Kashif Iqbal (2018). Manual of General Veterinary Pharmacology and Pharmaceutics. Institute of Pharmacy, Physiology and Pharmacology, University of Agriculture Faisalabad 38040 Pakistan. Ist Edition, ISBN: 978-969-8237-73-1

**Faqir Muhammad,** Bilal Aslam, Faiza Hassan, Kashif Iqbal (2018). Manual of Veterinary Toxicology and Chemotherapy. Institute of Pharmacy, Physiology and Pharmacology, University of Agriculture Faisalabad 38040 Pakistan. Ist Edition, ISBN: 978-969-8237-74-8

**Faqir Muhammad**, Bushra Akhtar (2018). Laboratory guide to Systemic Toxicology. Institute of Pharmacy, Physiology and Pharmacology, University of Agriculture Faisalabad 38040 Pakistan. Ist Edition, ISBN: 978-969-8237-73-8

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**Faqir Muhammad**, Bilal Aslam, Ahsan Naeem (2014). Laboratory Manual of Systemic Pharmacology and Therapeutics. Department of Physiology and Pharmacology, University of Agriculture Faisalabad Pakistan, First Edition, ISBN: 978-969-8237-65-3.

Muhammad Irfan anwar, **Faqir Muhammad**, Asim Rafiq, Ahmad Raza, (2013). Ostrich Farming (Urdu Book). The Elite Scientific Publications Faisalabad, Pakistan. ISBN:978-969-8753-08-5

**Muhammad, F**., and Riviere, J.E. (2012). Dermal Toxicity. In: *Veterinary Toxicology: Basic and Clinical Principles*, editor, Remesh Gupta. Academic Press Elsevier Inc., Oxford: Academic Press, pages 337-350. ISBN. 9780123859266, http://store.elsevier.com/Veterinary-Toxicology/isbn-9780123859273/

**Faqir Muhammad,** (2010). Topical absorption and toxicity studies of hydrocarbons in skin, Methods and protocols for investigation of jet fuel induced dermal irritation. VDM Verlag Dr. Muller, Saarbrucken, Germany. ISBN = 978-3639229622

**Muhammad, F.,** and Riviere, J.E. (2006). In vivo models. In: *Dermal absorption models in toxicology and pharmacology*, editor, Jim.E. Riviere. CRC Taylor and Francis publishing's, Florida, USA. Pages 49-70. ISBN 978-0415700368

**Muhammad, F**., and Riviere, J.E. (2007). Dermal Toxicity. In: *Veterinary Toxicology: Basic and Clinical Principles,* editor, Remesh Gupta. Elsevier Inc., San Diego, California, U.S.A. pages 263-277. ISBN: 978-0-12-370467-2

**CONFERENCES/MEETINGS/WORKSHOPS/SYMPOSIUM/TRAININGS**

**International**

- Certificate of participation as oral presenter of paper titled "ENHANCED IMMUNE RESPONSE AND PROTECTION AGAINST SALMONELLA GALLINARUM INFECTION IN POULTRY BIRDS USING OUTER MEMBRANE PROTEIN-COATED GOLD NANOPARTICLES (OMPs-AuNPs)" in INTERNATIONAL FOOD, AGRICULTURE AND VETERINARY SCIENCES CONGRESS May 29-31, 2025 Konya Food and Agriculture University, Konya, Turkieya.
    - Certificate of recognition as speaker in Interproessional Asia-Pacific AMR Youth Forum 1.0 on 6th January 2024 (online webinar).
    - Organzied Second International workshop on Food and Water borne Zoonoses in one Health Perspective, March 08, 2024, Faculty of Veterinary Sciences BZU Multan Pakistan.
    - Session Chair, 2nd International brain and biomedicine conference, G.C. University Faisalabad Pakistan, May 8-9, 2024.
    - Chief organizer for one day international symposium on antimicrobial use in food animals and its significance to antimicrobial resistance, November 29, 2022 held at Department of Biosciences, Faculty of Veterinary Sciences, Bahauddin Zakariyya University Multan-Pakistan.
    - Member-organizing committee for one day international workshop on food and water borne Zoonosis in one health perspective, September 20, 2022 held at Department of Pathobiology, Faculty of Veterinary Sciences, Bahauddin Zakariyya University, Multan-Pakistan
    - Speaker in second international webinar in science, sustainable development and ecosystems in Saudi Arabia, Febuarary 14-16, 2022, Organized by Imam Abdur Rahman bin Faisal University Kingdom of Saudi Arabia.
    - Certificate of attendance on IEEE standards: What, Why and How? Held on 22 June 2022. Online training session organized by IEEE Asia.
    - Certificate of participation in 2nd International Conference on Engineering and Applied Natural Sciences on 15-18 October 2022 at Konya/Turkey (Online Conference).
    - Certificate of participation in oral and technical presentation in AHI EVRAN 2nd International Conference on Scientific Research held on 21-23 October, 2022 at Kirsehir Ahi Evran University, Kirsehir, Turkey (Online Conference)
    - Certificate of Completion, Countering Biological Threats and Securing Dual Use Information, Technology and Expertise in Pakistan, August 29-31, 2022. The Center for Agriculture and Food Security and Preparedness, University of Tennessee USA (online training).
    - Speaker in international Red Meat seminar on food safety concerning red meat organized by association of food laboratories and food auditors (GLADER) Turkey on 8th May 2021.
    - Member, Scientific Committee and Speaker in International Conference on Farriery and Allied Veterinary Sciences, December 07, 2020, Online conference organized by Afyon Kocatepe University Turkey in collaboration with Ss. Cyri and Methodius University, North Macedonia; Latvia University of life sciences and technologies, Latvia and Faculty of Veterinary Science, B.Z. University, Multan Pakistan.
    - Online conference of American Association of Veterinary Medicine (AAVM) 23-25 November, 2020.

- Attended COMSTECH-UPSIGN- A virtual Seminar-One Health organized by COMSTECH the Ministerial standing committee on Scientific and Technological co-operation of the OIC. December 2020.
- 2nd International conference on nanoscience and nanotechnology, Lahore University of Management Sciences, Lahore November 1-2, 2019.
- 3rd International Conference on Materials Science and Nanotechnology, GC University Faisalabad February 18-20, 2019.
- Research Methods and the Role of Molecular Biology, a training sponsored by Sandia National Laboratories, USA in Irbid, Jordan from 29 April to 1 May 2018.
- International Poultry expo and conference, Expo center Lahore, 28-29 September, 2018.
- Biennial conference of South Asian Association of Physiologists (SAAP-VI) and Pakistan Physiological Society (PPS-16) from 13-15 December, 2018 at University of Lahore, Pakistan
- 2nd International conference of Biochemistry, Biotechnology and Biomaterials, Department of Biochemistry, University of Agriculture Faisalabad, December 10-11, 2018.
- Two days international conference on dairy animal health challenges (DAHC-2018) 17-18 January, 2018, Faculty of Veterinary Science, UAF.
- Advanced Community Based Prevention, Detection, and Response to All Hazard Training Program by the Center for Agriculture and Food Security and Preparedness, University of Tennessee, Knoxville, USA in Bangkok, Thailand from July 31st to August 3rd, 2017.
- Two days international conference on Dairy Animal Health Challenges (DAHC-2018), Faculty of Veterinary Science, University of Agriculture Faisalabad Pakistan, 17-18, January 2018.
- Community Based Prevention, Detection and Response to all Hazards training program by the Center for Agriculture and Food Security and Preparedness, University of Tennessee, Knoxville, USA from August 15-18, 2016 at Kuala lumpur, Malaysia.
- 54th Annual meeting of Society of Toxicology, March 22-26, 2015, San Diego, California, USA.
- Central States Society of Toxicology Annual Conference, October 16-17, 2014, Kansas City, Missouri, USA.
- 53rd Annual meeting of Society of Toxicology, March 23-27, 2014, Phoenix, Arizona, USA.
- Ist international conference on global environment changes, Government college University, Faisalabad, Pakistan, January 15-16, 2013
- 3rd Annual Conference of American Council for Medicinally Active Plants, Jonesboro, Arkansas, USA, May 22-25, 2012.
- First International Conference of Biological Sciences, Cairo-Egypt, September 27-29, 2010.
- 11th World Congress of Pediatric Dermatology, Bangkok, Thailand, November 17-19, 2009.
- International Livestock and Poultry Congress, April 14-15, 2009. Ewan-i-Iqbal, Lahore, Pakistan.
- 22nd Malaysian Society of Pharmacology and Physiology Scientific Meeting, April 5-6, 2008. University of Malaya, Kuala Lumpur, Malaysia.
- Powerlab 4th workshop, innovative ways of teaching medical/life sciences and research with powerlab April 3-4, 2008. University of Malaya, Kuala Lumpur, Malaysia.
- Workshop on Problem-Based Learning and Computer-Aided Learning, April 7, 2008. University of Malaya, Kuala Lumpur, Malaysia.
- Twenty-First Triangle Chromatography Symposium, 2004, Raleigh, North Carolina, U.S.A.

- 43rd Society of Toxicology annual meeting, March 21-25, 2004, Baltimore, U.S.A.
- 42nd Society of Toxicology annual meeting, March 2003, Salt Lake City, Utta, U.S.A.
- International Poultry Congress and Exhibition, August 25-26, 2006, Hotel Pearl Continental, Lahore, Pakistan.
- International symposium on agriculture in 21st century, In: Centenary celebrations of University of Agriculture, Faisalabad, Pakistan, March 14-16, 2006. Acted as Reporter in animal sciences session.
- International Workshop on rational application of veterinary pharmaceuticals and biologicals,1996, Quetta, Pakistan.

**National**

- Certificate of attendance "National Higher Education Leadership Engagment Series on PSG-2023 organized by HEC at the University of Faisalabald dated 16 July 2026.
- Certificate of Attendacne "National Security and Stretagic Leadership Workshop" organized by ISPR- Pak Army at Garrison Public Library Multan Cantonment from May 18-22, 2026.
- Certificate of attendance "Stretegic Leadership and Institutional Management (SLIM)" training program for the Deans organized by the Punjab Higher Education Commission at Lahore College for Women University Lahore from May 4-6, 2026.
- Co-Chaired the first technical session on October 23, 2025 at Expo Center, Lahore-Pakistan in International Poultry Expo (IPEX-Pakistan).
- Chief organizer World Egg Day 2025 at Faculty of Veterinary Sciences BZU, Multan.
- Participated in the 4 days "level 1 training program" held on 5th to 8th May, 2025, Bahauddin Zakariyya University Multan Pakistan.
- Organized Meat quality awareness activity and seminar at the Department of Pathobiolog, Faculty of Veterinary Science, BZU dated May 8, 2025.
- Attended Anuual get together of Pakistan Veterinary Medical Association Multan as guest speaker on Aril 26, 2025. Title of presentation was exploring AMR and residue concerns in the veterinary profession.
- Organized Pet Show in Faculty of Veterinary Sciences BZU on April 15, 2025.
- Organized Annual Sports Gala 2025 in Faculty of Veterinary Sciences, BZU.
- TOT Workshop, Action to support the implementation of Codex AMR Texts (ACT, dated 6-7 March 2024 Avari Express Multan Paksitan as Invited Speaker.
- Organizer, one day workshop on small animal dentistry on January 3, 2024, Faculty of Veterinary Sciences, Bahauddin Zakariyya University Multan.
- Certificate of Participation in workshop titled developing an ISO 35001 accreditation process in Pakistan held on May 11-14, 2024 in Islamabad, organized by Pakistan Biological Safety Association in collaboration with CHROME Biorisk Management, and Fogarty International Center, NIH-USA.
- Certificate of Participation in Closing Personnel Reliability workshop held on September 26-27, 2023 in Islamabad organized by Pakistan Biological Safety Association in collaboration with CHROME Biorisk Management, and Fogarty International Center, NIH-USA.
- Certificate of completition of 5-day training on Biorisk Management at Hi-Tech Lab, Bahauddin Zakariyya University, Multan organized by Association for Biorisk Management Pakistan in collaboration with Health Security Partners January 02-06, 2023.
- Convener Organizing Committee, FVS Sports gala 2023, held from 28th Feburary to 02nd March 2023 at Faculty of Veterinary Sciences, Bahauddin Zakariyya University Multan.
- Invited Speaker in hands on training workshop "green synthesis of nanomaterials for biomedical applications", Department of Physiology, The Islamia University Bahawalpur, November 24, 2022.

- Personnel Reliability Workshop organized by Pakistan Biological Safety Association, 9-10 November 2022, Pearl Continental Hotel Karachi Pakistan.
- Member organizing committee, 3rd national training course on diagnosis of poultry diseases through modern diagnostic techniques, February 8-9, 2022, organized by FVS, BZU, Multan and world veterinary poultry association Pakistan branch.
- Certificate for Participation in World Physiology Day, November 12, 2021 at G.C. University Faisalabad.
- Member organizing committee, 3rd national symposium on One Health, September 8, 2021, CAS-AFS, Faculty of Veterinary Science, University of Agriculture Faisalabad
- One day symposium on Patent/Claims drafting techniques, industrial design and trade mark registration November 21, 2019 organized by Technology and Innovation Support Centre, University of Agriculture Faisalabad.
- One day symposium on nanomedicine current scenario and future prospectives August 6, 2019, University of Agriculture Faisalabad (Chief Organizer).
- Seminar on Biosafety Measures in Agriculture: issues and options, March 19-20, organized by ORIC, University of Agriculture Faisalabad.
- Seminar on Investigation of circulatory liver-specific microRNAs as non-invasive diagnostic biomarkers of hepatitis: A novel diagnostic tool, Institute of Microbiology, University of Agriculture Faisalabad, February 27, 2018.
- One day symposium on Frontiers of nanotechnology. Applications in Pakistan: Present scenario and future avenues, October 24, 2018, National Institute of Biotechnology and Genetic Engineering, Faisalabad.
- The World Physiology Day, October 12, 2018, Institute of Pharmacy, Physiology and Pharmacology, University of Agriculture Faisalabad (as Organizer).
- 2nd National one day symposium on one health, Organized by Faculty of Veterinary Science, University of Agriculture Faisalabad, December 12, 2018.
- Internees-Stakeholders interactive workshop, Faculty of Veterinary Science January 8-2018.
- Seminar on Hepatitis B and C in Pakistan, diagnosis, treatment and prevention, Faculty of Veterinary Science UAF Feburary 27, 2018
- The World Physiology Day, October 12, 2017, Institute of Pharmacy, Physiology and Pharmacology, University of Agriculture Faisalabad (as Organizer).
- Three days workshop on use of statistical packages for veterinary and animal sciences, University of Agriculture Faisalabad, July 17-19, 2017.
- One day workshop on Scientific Writing, April 22, 2017, organized by Society of Animal Sciences, Institute of Animal and Dairy Sciences, University of Agriculture Faisalabad.
- Capacity building workshop "Biosafety Measures for Animal Sciences" February 21, 2017, Organized by ORIC- UAF.
- National Workshop on the Teaching and Research Techniques in Anatomy on Wednesday, February 15, 2017, New Senate Hall, University of Agriculture Faisalabad.
- Consultative Session with USPCAS-AFS Stakeholders on Research Priorities 4 March 2017, New Senate Hall, University of Agriculture Faisalabad.
- Two days workshop on "Applied Physiology and Pharmacology Techniques for Young Scientists" Feburary 12-13, 2016, Institute of Pharmacy, Physiology and Pharmacology, University of Agriculture Faisalabad. (As organizer and attendee)
- Pre-conference National Seminar on Leading Persuasion in Metabolic Disorders, March 15, 2016, Institute of Pharmacy, Physiology and Pharmacology, University of Agriculture Faisalabad. (As organizer and attendee).
- A workshop on "holding effective seminars: Engaging the Audience" on January 12, 2016 at Video Conferencing room, University of Agriculture Faisalabad, organized by ORIC.
- A seminar on "Water and Sanitation" in Faisalabad Division jointly organized by WASA and UAF, at New Senate Hall, UAF on July 21, 2016.

- National One Day Symposium on One-Health organized by U.S-Pakistan center for advanced studies in agriculture and food security on August 8, 2016.
- One-Day workshop on the "Strategic use of digital technology in University instructions" on October 17, 2016 at UAF.
- Seminar on "New Technological Tools and Applications in Biological Research" Organized by BIO-RAD (Chemical House) and ORIC at University of Agriculture Faisalabad on September 26, 2013.
- 58th Alumni Meet March, 29-30, 2013, University of Agriculture Faisalabad.
- Spring Festival March 26-31, 2013, University of Agriculture Faisalabad.
- Workshop/training on self assessment report preparation organized by Quality Enhancement Cell, University of Agriculture Faisalabad on December 8, 2012.
- National Equine Breeding Conference, organized by Faculty of Veterinary Science and Remount Veterinary &Farms Corps on March 15, 2012 at University of Agriculture Faisalabad.
- Goat distribution ceremony of TIKA funded project "Goat breeding for reducing poverty and strengthening the role of women in rural areas" June 19, 2012 at Department of Clinical Medicine and Surgery, Faculty of Veterinary Science, University of Agriculture Faisalabad.
- Mastitis control training workshop, organized by Department of Clinical Medicine and Surgery on 18-02-2012 in the Faculty of Veterinary Science, University of Agriculture FaisalaSbad.
- Workshop for demonstration of adjuvanted IBH-HPS vaccine production, organized by Institute of Microbiology on 27-02-2012, University of Agriculture Faisalabad.
- One day seminar on How to write a winning research proposal, May 7, 2011, New senate hall, University of Agriculture Faisalabad, Pakistan, Organized by ORIC and PARB.
- One day seminar on epidemiology and control of major diseases of poultry in Pakistan, March 26, 2011, Institute of Microbiology, University of Agriculture Faisalabad, Pakistan.
- One-day symposium on Livestock Production-National and Global Prospective, March 17, 2011. University of Agriculture Faisalabad, Pakistan.
- Sahiwal Cow Festival, Livestock Farms, University of Agriculture Faisalabad, Pakistan, March 15, 2011.
- Alumni Association Meet, University of Agriculture Faisalabad, Pakistan, March 16-17, 2011.
- Golden Jubilee Festival, University of Agriculture Faisalabad, Pakistan, March 13-20, 2011.
- Kissan convention/farmers gathering, Athara Hazari (Moza Kharal Sapra, flood affected area) on November 6, 2010.
- National Poultry Conference, March 23, 2010, University of Agriculture Faisalabad.
- University Festival, March 22-26, 2010, University of Agriculture Faisalabad.
- Workshop on developing modules for trainers and trainees of DVM internship programme, February 02, 2010, Faculty of Veterinary Science, University of Agriculture Faisalabad.
- 56th Alumni Association Meet, March 27-29, 2009 University of Agriculture Faisalabad 38040 Pakistan.
- National Seminar on "Animal Health-Reflections & Future Horizons" March 05, 2008, Faculty of Veterinary Science, University of Agriculture Faisalabad.
- First reunion of FVS alumuni meeting, November, 29, 2008, Faculty of Veterinary Science, University of Agriculture Faisalabad.
- National Conference on Prospects of Ethno-veterinary (Traditional) Medicine Research and Development in Pakistan, February 16-17, 2007, University of Agriculture, Faisalabad.
- Workshop on use of digital library/ebooks organized by Higher Education Commission, at NIBGE, Faisalabad on October 22, 2007.

- National Poultry Conference and Exhibition, January 17-18, 2007, Serena Hotel, Faisalabad.
- Layer Poultry Workshop, December 12, 2006, Al-Hamara Hall II, Lahore Arts Council Lahore.
- One day workshop on role and functions of quality enhancement cell, University of Agriculture, Faisalabad, May 31, 2006.
- Workshop on scientific presentations, July 25-30, 2005, University of Agriculture, Faisalabad, Pakistan. (member organizing committee).
- One day seminar on Environmental Anthropology, May 11, 2005, Quid-i-Azam University, Islamabad, Pakistan (guest speaker).

**ABSTRACTS**

Rida Siddique, Faqir Muhammad, Aisha Sehti, Shaneel Kousar. Oleanic acid attenuate complete freund Adjuvant-induced arthritis in rats via targeting the RANKL/OPG signaling pathway. Abstract # O-204/ICAZ-2025. 8th International Conference on Applied Zoology-2025, 13-14 October, 2025. GC University Faisalabad Pakistan.

**Faqir Muhammad**, Majid Anwar, Muhammad Kashif Saleemi, Muhammad Irfan Anwar, Sajjad-ur-Rehman, Mian Muhammad Awais. Immunomodulation with bacterial outer membrane protein coated nanoparticles in the control of salmonellosis in poultry. Abstract book page 43, Poultry Science Conference, IPEX, Expo Center Lahore November 21-23, 2023.

Abdul Aleem, Bushra Akhtar, **Faqir Muhammad**. Development of lateral flow assay based kit for detection of ceftiofur residues in dairy milk. 61st annual meeting and toxexpo of Society of Toxicology, San Diego, CA, USA, March 27-31, 2022.

Rida Siddique and **Faqir Muhammad.** Gingerol nanoparticles attenuates complete freund adjuvant induced arthritis in rats. 2nd International Conference on Engineering and Applied Natural Sciences, October 15-18, 2022, Konya, Turkey.

**Faqir Muhammad**. Xenobiotic residues- A threat to public health. 3rd national symposium on One Health, September 8, 2021, CAS-AFS, Faculty of Veterinary Sciece University of Agriculture Faisalabad.

Majid Anwar, **Faqir Muhammad**, Sajjad-ur-Rehman. Immuno-stimulatory nanotechnology for the control of salmonellosis in poultry. 3rd national symposium on One Health, September 8, 2021, CAS-AFS, Faculty of Veterinary Sciece University of Agriculture Faisalabad.

Nida Noreen, Bushra Akhtar, **Faqir Muhammad**. Development of User-Friendly diagnostic kit for detection of Sulphonamide residues in dairy milk. Society of Toxicology Annual Meeting and ToxExpo virtual event March 2021, USA, Published in The Toxicologist, supplement to Toxicological Sciences, March 12, 2021 PS 2054.

Hafiz Muhammad Salman khalid, Muhammad Kashif Saleemi, **Faqir Muhammad,** Farzana Rizvi et al. Mycotoxicosis at human animal interface: A call for an open one health debate. 4th WPSA international (virtual) one health conference, 9-10 September, 2021.

Muhammad Kashif Javed, Muhammad Kashif Saleemi, Aisha Khatoon, **Faqir Muhammad** et al. Antimicrobial resistance: Future perspectives. 4th WPSA international (virtual) one health conference, 9-10 September, 2021.

Muhammad Waseem Tahir, Muhammad Kashif Saleemi, **Faqir Muhammad**, Farzana Rizvi et al. Cadmium toxicity: Its resulting hazards for animal and human health. 4th WPSA international (virtual) one health conference, 9-10 September, 2021.

Ahad Fiaz, Muhammad Kashif Saleemi, Shafia Tahseen Gul, Mashkoor Mohsin, **Faqir Muhammd** et al. Molecular epidemiology of Infectious bronchitis in Faisalabad division and immunopathogenesis of IB varients in white leghorn layer. 4th WPSA international (virtual) one health conference, 9-10 September, 2021.

Qasim Saleem Raza, Muhammad Kashif Saleemi, **Faqir Muhammad**, Farzana Rizvi et al. Essential oil: An alternative to antibiotic growth promoter in poultry. 4th WPSA international (virtual) one health conference, 9-10 September, 2021.

Ronette Gehring; Sarah Capik; Brad White; **Faqir Mohammad**; Jim E Riviere. Can activity monitors be a tool to explain inter-individual variability in exposure for group treatment with

antibiotics? Online conference of American Association of Veterinary Medicine (AAVM) 23-25 November, 2020.

Bushra Akhtar, **Faqir Muhammad**, Ali Sharif, Rehman Nazir. "Peel extracts of *Citrus paradisi* based nanoparticles as therapeutic alternatives for wound infections". "A virtual One Health International Conference" organized by Department of Pathobiology, College of Veterinary and Animal Sciences, Jhang. 25-26 November, 2020.

**Faqir Muhammad**, Bushra Akhtar, Nida Noreen. "Development of user-friendly diagnostic kit for detection of penicillin residues in dairy milk". "A virtual One Health International Conference" organized by Department of Pathobiology, College of Veterinary and Animal Sciences, Jhang. 25-26 November, 2020.

**Faqir MUHAMMAD**, Anam AHSAN, Bushra AKHTAR, Asif MAHMOOD, Sajjad-ur-RAHMAN, Faiza RAFIQUE. Formulation and Therapeutic Evaluation of Hydrogel Patches Containing Silver Nanoparticles Prepared Following Green Approach. 15th Nanoscience and nanotechnology conference, Antalya, Turkey, November 3-6, 2019.

Bushra AKHTAR, **Faqir MUHAMMAD**, Bilal ASLAM, Muhammad Kashif SALEEMI Pharmacokinetics and Safety Profile of Gentamycin Loaded Surface Modified Poly Lactic Co Glycolic Acid Nanoparticles for Oral Use in Rabbits. 15th Nanoscience and nanotechnology conference, Antalya, Turkey, November 3-6, 2019.

Bushra Akhtar, **Faqir Muhammad**, Bilal Aslam, Muhammad Kashif Saleemi. Formulation, characterization and pharmacokinetics of transdermal patch of gentamicin loaded poly lactic co glycolic acid nanoparticles. 2nd International conference on nanoscience and nanotechnology, November 1-2, 2019, LUMS Lahore Pakistan

Kashif Iqbal, **Faqir Muhammad**, Bushra Akhtar, Bilal Aslam, Ashar Mahfooz and Adil Munir.Preparation, characterization and in vivo wound healing study of topical formulations of curcumin and quercetin loaded PLGA nanoparticles. 2nd International conference on nanoscience and nanotechnology, November 1-2, 2019, LUMS Lahore Pakistan

A. Munir, **F. Muhammad**, A. Ihsan, B. Akhtar, B. Aslam, M. K. Saleemi, U. Rasool. Synthesis of naringenin loaded lipid based nanocarriers and their anti-inflammatory potential in arthritis induced animal model. 2nd International conference on nanoscience and nanotechnology, November 1-2, 2019, LUMS Lahore Pakistan

Maira Anwar, **Faqir Muhammad**, Bushra Akhtar, Kanwal Rehman, Sajjad-ur-Rahman, M. Naeem Faisal, Kashif Iqbal, Nida Noreen, Majid Anwar, Adil Munir. Nephroprotective effects of curcumin loaded chitosan nanoparticles in cypermethrin induced nephrotoxicity in rabbits. One-day symposium on nanomedicine: current scenario and future perspectives, August 6, 2019, Institute of Pharmacy, Physiology and Pharmacology, University of Agriculture Faisalabad.

Maham Ashraf, **Faqir Muhammad**, Bushra Akhtar, Junaid Ali Khan, Bilal Aslam, Kashif Iqbal, Faiza Hassan. Hepatoprotective effects of Quercetin-loaded chitosan nanoparticles in cypermethrin induced hepatotoxicity in rabbits. One-day symposium on nanomedicine: current scenario and future perspectives, August 6, 2019, Institute of Pharmacy, Physiology and Pharmacology, University of Agriculture Faisalabad.

Z. Hussain, J.A. Khan, A. Pervaiz, A. Iqbal, H. Rashid, **F. Muhammad**, A.S. Qureshi. Therapeutic potential of phytochemicals from Glycyrrhiza glabra L. (Glycyrrhizin) and curcuma longa L. (Curcumin) against concanavalin A-induced acute liver injury. International conference on Food Processesing and Entrepreneurship A way towards economic sustainability, 29-30 January, 2019, NIFSAT, University of Agriculture Faisalabad.

Moeter Batool, Bilal Aslam, **Faqir Muhammad**, Zia-ud-Din Sandhu, Asif Hussain and Muhammad Usman Bari. Determination of antibiotic growth promoter (Polymyxin E) residues in layers. 3rd WPSA international layer quality conference, 23-24 October, 2019, Institute of Animal and Dairy Sciences, University of Agriculture Faisalabad.

Ujala Yaseen, Bilal Aslam, **Faqir Muhammad**, Mashkoor Mohsin, Sultan Ali, Asif Hussain, and M. Usman Bari. Estimation of tylosin tartrate and dehydroacetic acid residues used as growth promoter in layers. 3rd WPSA international layer quality conference, 23-24 October, 2019, Institute of Animal and Dairy Sciences, University of Agriculture Faisalabad.

Asif Hussain, Muhammad Furqan, Bilal Aslam, **Faqir Muhammad**, M. Naeem Faisal, Mashkoor Mohsin, M Usman Bari. Estimation of antibiotic growth promoters (procaine penicillin and colistin sulphate) residues in broilers. 3rd International conference on Innovative Biological and Public Health Research. 13-14 November, 2019, Department of Zoology, GC University Lahore.

Hira Anjum, Haroon Rashid, **Faqir Muhammad**, Syeda Momina Ishtiaq, Junaid Ali Khan. Evaluation of protective effects of quercetin on alloxan-induced diabetic nephrotoxicity in male wister rats. 2nd International conference on applied zoology, 19-20 December, 2019 Department of Zoology, Govt. College University Faisalabad.

**F. Muhammad**, N. Amber, B. Akhtar, M.K. Saleemi, M.N. Faisal, M.I. Anwar. Pharmacological evaluation of antiwrikle creams containing estrogen, vitamin C and E. 3rd International Health Trigon Summit 17-18 April, 2018, The University of Lahore Pakistan.

**F. Muhammad**, S. Mahjabeen, B. Akhtar, B. Aslam, W. Majeed, D. Naseer, M.Z. Khan. Antibacterial and antioxidant potential of Yucca Elephantipes and comparative safety profile of its various extracts. 3rd International Health Trigon Summit 17-18 April, 2018, The University of Lahore Pakistan.

Aisha Mahmood, Muhammad Naeem Faisal, Tanweer Khaliq, Junaid Ali Khan, **Faqir Muhammad**, Humaira Muzaffar, Chaodong Wu. Progression of High Fat Diet Induced Obesity and Metabolic Stress in Wistar Rats. Texas A & M Nutrition Obesity Research Symposium, Friday, April 27, 2018. TIPS Building, TAMU, College Station, Texas A & M University, USA.

W. Majeed, T. Khaliq, M.N. Faisal, A. Iftikhar, B. Aslam, **F. Muhammad**, B. Akhtar. Polyherbal formulation prevents hyperglycemia by modulating the biochemical parameters and upregulating the insulin signaling cascade in alloxan induced hyperglycemic rats. 3rd International Health Trigon Summit 17-18 April, 2018, The University of Lahore Pakistan.

Marryum Ashraf, Bushra Akhtar, **Faqir Muhammad**, Yasir Javeed, Ali Sharif, Amreen Ashraf. OPTIMIZATION OF QUERCETIN LOADED POLYMER COATED IRON OXIDE NANOPARTICLES, THEIR THERAPEUTIC POTENTIAL AND SUB-ACUTE TOXICITY STUDIES. 2nd International Conference of Biochemistry, Biotechnology and Biomaterials, December 9-11, 2018, University of Agriculture Faisalabad Pakistan

Yahya Amjad, **Faqir Muhammad**, Bushra Akhtar, Muhammad Irfan Anwar, Bilal Aslam, Junaid Ali Khan, Muhammad Naeem Faisal. PHYTOCHEMICAL AND THERAPEUTIC INVESTIGATIONS OF CITRUS PARADISI (GRAPE FRUIT) PEEL ESSENTIAL OIL. 2nd International Conference of Biochemistry, Biotechnology and Biomaterials, December 9-11, 2018, University of Agriculture Faisalabad.

Aroosa Fazalillahi, **Faqir Muhammad** and Bushra Akhtar. OPTIMIZATION OF QUERCETIN LOADED PLGA NANOPARTICLES, THEIR ANTIBACTERIAL POTENTIAL AND COMPARATIVE PHARMACOKINETICS. 2nd International Conference of Biochemistry, Biotechnology and Biomaterials, December 9-11, 2018, University of Agriculture Faisalabad.

Bilal Aslam, Aniza Ashraf, **Faqir Muhammad**, Mashkoor Mohsin, Asif Hussain. EFFECT OF CURCUMIN PRE-TREATMENT ON PHARMACOKINETICS OF VALSARTAN IN ALBINO RATS. 2nd International Conference of Biochemistry, Biotechnology and Biomaterials, December 9-11, 2018, University of Agriculture Faisalabad.

Muhammad Usman Bari, Bilal Aslam, **Faqir Muhammad**, Sultan Ali and Asif Hussain. PHYTOCHEMICAL ANALYSIS AND GASTROPROTECTIVE POTENTIAL OF RICINIUS COMMUNIS AGAINST NSAID INDUCED ULCER IN ADULT RABBITS. 2nd International Conference of Biochemistry, Biotechnology and Biomaterials, December 9-11, 2018, University of Agriculture Faisalabad.

Bilal Aslam, Tayyeba Ramzan, **Faqir Muhammad**, Asif Hussain and Zia-ud-Din Sandhu.Evaluation of the comparative anti-diabetic efficacy of Ocimum sanctum and metformin in alloxan diabetic rats 2nd International Conference of Biochemistry, Biotechnology and Biomaterials, December 9-11, 2018, University of Agriculture Faisalabad.

M. Batool, B. Aslam, **F. Muhammad**, J.A. Khan, S. Ali, A. Hussain. Pathophysiological role of glucocorticoid receptor (GR) ligands in acetaminophen induced liver injury in mice. 2nd International Conference of Biochemistry, Biotechnology and Biomaterials, December 9-11, 2018. University of Agriculture Faisalabad.

B. Aslam, M Rizwan, **F. Muhammad**, M. Mohsin, A. Hussain. Pharmacokinetic and bioavailability study of oral sitagliptin in healthy adult female subjects. 2nd International Conference of Biochemistry, Biotechnology and Biomaterials, December 9-11, 2018. University of Agriculture Faisalabad.

M. Aslam, J.A.Khan, Z. Hussain, H. Rashid, S.M.Ishtiaq, **F. Muhammad**. Effect of alloxon-induced diabetes on adrenal glands histology and hormonal profile in albino rats. 2nd International Conference of Biochemistry, Biotechnology and Biomaterials, December 9-11, 2018. University of Agriculture Faisalabad.

R. Siddique, M.N. Faisal, **F. Muhammad**, W. Majeed, H. Muzaffar, A. Mahmood, A.A. Sadiq, C.M.N. Faisal and F. Azam. Metronidazole induces oxidative and cellular toxicity in adult rabbits. International conference on recent advances in clinical research, UVAS-Lahore, Pakistan, 19-20 December, 2017.

Farah Siddique, M. Naeem Faisal, Wafa Majeed, **Faqir Muhammad**, Hamza Nazeer, Humaira Muzaffar, Aisha Mahmood, Jazib Hussain, Jawad Aslam. Evaluating the expression of Micro-RNA and Wnt signaling cascade behind the up regulation of CTNNB1 gene in colorectal carcinoma. EMBL conference, Mammalian Genetics and Genomics: from Molecular Mechanisms to Translational Applications, 24-27 October 2017. EMBL Advanced Training Centre, Heidelberg, Germany.

Samen Saeed, M. Naeem Faisal, Wafa Majeed, **Faqir Muhammad**, Jazib Hussain, Humaira Muzaffar, Aisha Mahmood, Jawad Aslam, Hamza Nazir. *ABCG2*Gene Down Express in Adjuvant Chemotherapy in Female Breast Cancer. EMBL conference, Mammalian Genetics and Genomics: from Molecular Mechanisms to Translational Applications, 24-27 October 2017. EMBL Advanced Training Centre, Heidelberg, Germany.

M. Naeem Faisal, Tanweer Khaliq, Junaid Ali Khan, **Faqir Muhammad**, Humaira Muzaffar, Aisha Mahmood. High fat diet induces metabolic disorder following oxidative stress in rat model. EMBL conference, Mammalian Genetics and Genomics: from Molecular Mechanisms to Translational Applications, 24-27 October 2017. EMBL Advanced Training Centre, Heidelberg, Germany.

Zulfia Hussain, Junaid Ali Khan, Naila Andleeb, **Faqir Muhammad,** Anas Sarwar Qureshi, Hafeez Anwar. In vivo efficacy of zinc oxide nanoparticles on the toxic effects of carbon tetrachloride. Proceedings of Ist International conference on Biotechnology (ICB): Challenges and Oppertunities in Pakistan, October 11-12, 2017, Lahore Garrison University Lahore Pakistan.

**Faqir Muhammad,** Ayesha Noor, Arooma Munir, Um-Ul-Baneen, Bushra Akhtar, Bilal Aslam. Phytochemical screening and in-vitro pharmacological evaluation of three vegetable peel extracts. The 8th Joint Symposium of Veterinary Research among Universities of Veterinary Medicine in East Asia, Feburary 19-21, 2017, National Chung Hsing University, Taichung, Taiwan.

Aisha Mahmood, M. Naeem Faisal, Tanweer Khaliq, Junaid Ali Khan, **Faqir Muhammad,** Humaira Muzaffar. High fat diet induced metabolic stress and inflammatory remodeling in rat model. Nature Conference on Inflammatory Diseases, September 17-20, 2017, Beijing, China.

Muhammad Jamal, Tanweer Khaliq, Muhammad Naeem Faisal, Wafa Majeed, **Faqir Muhammad**, Jazib Hussain, Humaira Muzaffar, Aisha Mahmood, Hamza Nazeer. Comparative evaluation of gut toxicity induced by lincomycin and tetracycline in broiler chicks. International conference Foods of Animal Origin, March 30-31, 2017, University of Agriculture Faisalabad.

**Muhammad F**, Jaberi-Douraki M, de Souza D, Riviere JE. Modulation of Chemical Dermal Absorption by 14 Natural Products: A Quantitative Structure Permeation (QSPR) Analysis of Components Often Found in Topical Cosmeceuticals. The Toxicologist 150, p. 590, #3511, 2016.

M Irfan Anwar, Faqir Muhammad, Ahmad Raza, Mian Muhammad Awais and Masood Akhtar. One health approach to prevent food-borne salmonellosis: A review. 2nd International Conference on Zoonosis October 20-21, 2016, Faculty of Veterinary Science, B.Z. University Multan Pakistan.

**Faqir Muhammad,** Jim E Riviere. 2015. Differential effects of some natural compounds on the transdermal penetration of caffeine and salicylic acid. 54th annual meeting of society of Toxicology, March 22-26, San Diego, CA, USA.

**Faqir Muhammad,** Jim E Riviere. 2014. Differential effects of some natural compounds on the transdermal penetration of caffeine and salicylic acid. Central States Society of Toxicology Annual Conference, October 16-17, 2014, Kansas City, Missouri, USA.

**Muhammad, F**., Waheed, M., Rahman, Z.U., Javed, I., Akhtar, M., Khaliq, T., Anwar, M.I. 2012.Skin protective effects of some plant extracts (genus ficus) against induced toxicological insults in rabbits. 3rd Annual Conference of the American Council for Medicinally Active Plants (ACMAP), Arkansas State University, Jonesboro, AR, USA, May 22-25, 2012.

M. Akhtar, A. Hai, **F. Muhammad**, M.M. Awais, M.I. Anwar. 2011. Immunostimulatory and protective effects of Aloe vera components against coccidiosis in broilers. Planta Medica: 77. DOI: 10.1055/s-0031-1282186.

**Faqir Muhammad**, Zia Ur Rahman, Ijaz Javed, Masood Akhtar, Tanweer Khaliq, and M.I. Anwar. Multi-residue determination of pesticides in the milk of cattle and goat in Faisalabad Pakistan. Abstract ID # 1891, The Toxicologist An official journal of the Society of Toxicology, Volume 114, Number 1, 49th Annual meeting of Society of Toxicology at Salt Lake City, Utah, USA March 7-11, 2010.

M. Kashif Saleemi, M. Fakhar ud Din Ahmed, M. Zargham Khan, Ahrar Khan, **Faqir Muhammad**, Sheraz Ahmed Bhatti, Aisha Khatoon, R.Z. Abbas and Najam ul Islam. Toxicological effects of ochratoxin A in White Leghorn cockerels and their amelioration with silymarin and vitamin E. International Mycotoxin Conference-MycoRed 2010 Penang, Malaysia 1-4 December 2010.

Akhtar, M., **F. Muhammad,** A.U. Haq, I. Hussain, M.M. Awais, K. Ashraf and M.I. Anwar. 2010. Effect of induced coccidiosis in three hybrid strains of industrial broiler chicken. British Society for Parasitology, Spring Meeting and Trypanosomiasis and Leishmaniasis seminar. Cardiff University, Wales, UK. (March 29th-April 1st).

**Faqir Muhammad**, Huma Haider, Zia-ur-Rahman, Ijaz Javed, Zargham Khan, Masood Akhter, Tanweer Khaliq, M. Irfan Anwar. Dermatotoxic effects of orally administered ciprofloxacin in sweating and non-sweating animal models. 11th World Congress of Pediatric Dermatology, Bangkok, Thailand, November 17-19, 2009.

M.M. Ayaz, M. Akhtar, I. Hussain, **F. Muhammad**, A.U. Haq. Immunoglobulin producing cells in chickens immunized with egg propagated *eimeria tenella* gametocyte vaccines. 5th International Poultry Conference, Taba - Egypt, 10-13 March 2009.

**Faqir Muhammad**, Ijaz Javed, Masood Akhtar, Ibadullah Jan, Zia-ur-Rahman, M. Irfan Anwar, Faqir Hussain Khan and Mian Abdul Hafeez. Comparative Determination of Heavy MetalResidues in the Milk of Cattle and Goat with Quantitative Structure Residue Relationship Analysis.29th World Veterinary Congress, Vancouver, Canada, July 27-31, 2008.

Karim Yar Abbasi[1], **Faqir Muhammad**, Faqir Hussain Khan[1], Zia-ur-Rahman[1], Ijaz Javed[1], Masood Akhtar[2] Tanweer Khaliq[1], M Irfan Anwar PHARMACOKINETIC BEHAVIOUR OF NORFLOXACIN IN FEBRILE AND HEALTHY DOGS. 22nd Scientific Meeting of Malaysian Society of Pharmacology and Physiology, Kuala lumpur, Malaysia, April 5-6, 2008.

M. Ramzan, M. Akhtar, I. Hussain, **F. Muhammad**, E. Hiszczynska-Sawickaa, A.U. Haq, M.S. Mahmood. Seroprevelance of Toxoplasma gondii in sheep and goats in the area of Rahim Yar Khan (Punjab), Pakistan. 13th ICID conference of International Society of Infectious Diseases, Kuala Lumpur, Malayasia, June 19-22, 2008.

M.I. Anwar, M. Akhtar, I. Hussain, A.U. Haq, **F. Muhammad,** M. A. Hafeez, M.S. Mahmood and S. Bashir. 2008. Field evaluation of local gametocytes vaccines and its comparative efficacy with imported live vaccine, Livacox. BIT's Ist Annual World Vaccine Congress Foshan, China, December 1-5.

A Noureen, M. Saqib, G. Muhammad and **F. Muhammad**. Minimum inhibitory concentration of 20 antibiotics against isolates of Burkholderai Mallei-A causative agent of glanders. Proceeding: International livestock and poultry congress, March 27-27, 2007, Pakistan.

**F. Muhammad,** M. Akhtar, Z.U. Rahman, F.H. Khan, and M.I. Anwar. How can veterinarians play their role in safeguarding the public health. International Conference on Agriculture Food and Animal Sciences. Sindh Agriculture University Tandojam-Pakistan. November 27-29, 2007.

**F. Muhammad**, A. Riaz, M.I. Anwar, I. Javed and T. Khaliq. Estimation of Atrazine in the stratum corneum and its toxic effects in skin following its topical application. Abstract ID # 1287, The Toxicologist CD- An official journal of the Society of Toxicology, Volume 96, Number S-1, March 2007.

Akhtar, M., Hafeez, M.A., **Muhammad, F**., and Haq, A.U. (2007). Immunomodulatory and protective effect of sugar cane juice in chickens against Eimeria infection. Seattle Parasitology Conference, May 17-18, Seattle, Washigton, USA.

**Muhammad, F.**, Baynes, R.E., Monteiro-Riviere, N.A., Xia, X.R., and Riviere, J.E. (2003). Percutaneous absorption of jet fuel hydrocarbons analyzed by gas chromatography and solid phase microextraction technique with head space sampling. 42nd annual meeting of Society of Toxicology, Salt Lake City, Utah, U.S.A.

**Muhammad, F.**, Monteiro-Riviere, N.A., and Riviere, J.E. (2004). Topical hydrocarbon absorption in porcine skin previously exposed to JP-8 jet fuel. 43rd annual meeting of Society of Toxicology, March 21-25, Baltimore, Maryland, U.S.A.

## COMPLETED/ON GOING RESEARCH GRANTS AND CONTRACTS

1) Multi-residue determination of pesticides in edible animal tissues with novel solid phase micro-extraction and chromatographic techniques. (Rupees 1.468 millions) Approved by Higher Education Commission of Pakistan. (PI) Completed 2006-2009
2) Determination of heavy metal residues in animal tissues, A threat to public health. (Rupees 1.35 million) Approved by Higher Education Commission of Pakistan. (Co-PI) Completed
3) Rational use of drugs in animals. Extension project funded by Endowment Fund, University of Agriculture Faisalabad (As PI)
4) Evaluation of sugar cane polysaccharides and glycoproteins as biological response modifiers and their therapeutic effects on Eimeria infection in chickens. (Rupees 1.971 millions) Approved by Pakistan Science Foundation (Co-PI), No. P-AU/Bio (412), Completed
5) Evaluation of endocrine disruption by commonly used pesticide (lamda-cyhalothrin) in female albino rats. Higher Education Commission, (Rs. 0.5million), (Co-PI) Completed.
6) Development and invitro, invivo evaluation of crosslinked polymeric nanocomposites for controlled delivery of Lovastatin, Higher Education Commission (Rs. 0.5 millions (PI) (2017-18) Completed
7) Developement and In-vitro, In-vivo evaluation of proniosomal powders for solubility enhancement of Telmisartan, Higher Education Commission (Rs. 0.5 millions (PI) (2017-18) Completed
8) Immuno-modulation with subunit outer membrane protein coated nanoparticles in the control of salmonellosis in poultry birds. ALP Total funds Rs. 5.17 millions (PI) 2018-22 (completed)
9) Development of user friendly diagnostic kits for detection of antibiotic residues in biological fluids. NRPU HEC, total funds Rs. 4.7 millions (PI) 2018-2022 (completed)
10) Immunostimulation with subunit outer membrane protein coated nanoparticles in the control of colibacillosis in poultry. NSLP-PSF Rs. 4.6millions ongoing 2023-2026
11) Development of nanosponge to detoxify pesticide poisoning. ORIC-BZU Rs. 200,000 on going 2024-2025

## PREVIOUSLY SUBMITTED RESEARCH GRANTS

- Development of a rapid response food safety network to mitigate contamination of livestock products in Pakistan. Pak-US Joint Science and Technology Co-operation Programme 2012. (US$ 362,250 Pakistan side, US$112,700 US side) (PI)
- Initiation of comprehensive program under the establishment of Center for Residue Avoidance in Food Animals (CRAFA). US Agency for International Development (USAID) (Rupees 614.31 millions) (PI)

- Documenting and mitigating the impact of pesticides and heavy metals on indigenous livestock production and health. Punjab Agriculture Research Board (PARB) (Rupees 13 millions) (PI)
- Toxicological screening of common weeds grown in fodders with reference to their impact on animal health and growth. Agricultural Linkage Program, Pakistan Agriculture Research Council, Islamabad, Pakistan. (Rs. 6.00 millions) (PI)
- Screening of some indigenous plants for their health protective effects against drug induced toxicities. Higher Education Commission Islamabad. (Rs. 5.00 millions) (PI)
- Establishment of local withdrawal times of drugs in livestock and poultry: A strategic intervention for improving livestock exports and socioeconomic conditions of the farming communities. IFPRI-Pakistan Strategic Support Program 2012 (US$94645) (PI)
- Targeted delivery in breast cancer using green PLGA drug encapsulated nanoparticles. Submitted to US-Pakistan Center for Advanced Studies in Agriculture and Food Safety (USPCAS-AFS) in April 2016.
- Exploring the anti-inflammatory potential of medicinal plants with special focus on their mechanism of action. Submitted to HEC-NRPU on April 30, 2016. Total funds requested Rs. 8.140 millions.
- Hydrogel retaining toxin-absorbing Nanosponge as therapeutic alternative for drug resistant skin infections. Submitted to PSF-NSLP on August 24, 2016. Total funds requested Rs. 13 millions.
- Formulation and optimization of polyherbal antibacterial ointment for veterinary use. Submitted to EFS-UAF on June 21, 2016. Total funds requested Rs. 2.65 millions.
- Immunostimulation with subunit outer membrane protein coated nanoparticles in the control of colibacillosis in poultry. Submitted to PARB, Total funds requested 4.215 million rupees
- Detoxification of organophosphate poisoning using biomimetic Nanosponge. Submitted to PARB Total funds requested Rs. 2.745 millions
- Development of pH responsive polymeric networks for veterinary use; characterization and in-vitro evaluation. Submitted to Endowment Fund Secretariat, UAF on March 31, 2017.
- Development of nanosponge formulation to detoxify organophosphate poisoning in animals. Submitted to Endowment Fund Secretariat, UAF on March 31, 2017.
- Nanoformulations of Phytochemicals from fruit peels for immunostimulation in poultry against Newcastle disease. Submitted to NRPU HEC, total funds requested Rs. 5.04 millions (2017)

**Travel Grants**

- Travel grant of Rs. 172,190/- (Rupees one hundred seventy two thousand one hundred ninty only) was sanctioned by the Higher Education Commission of Pakistan for oral presentation of paper at 46$^{th}$ annual meeting of Society of Toxicology in Charlotte, North Carolina, USA on March 25-29, 2007.
- Travel grant of Rs. 108,546/- (Rupees one hundred eight thousand five hundred forty six only) was sanctioned by the Higher Education Commission of Pakistan for oral presentation of paper in 22$^{nd}$ Malaysian Society of Pharmacology and Physiology Scientific Meeting, April 5-6, 2008. University of Malaya, Kuala Lumpur, Malaysia.
- Travel grant of Rs. 55,000 and US$ 700 was sanctioned by the Endowment Fund Secretariate, University of Agriculture Faisalabad, for presenting the paper in 11$^{th}$ World Congress of Pediatric Dermatology, Bangkok, Thailand, November 17-19, 2009.
- Travel grant of Rs. 253,475 (Rupees two hundred fifty three thousands four hundred seventy five only) was sanctioned by the Higher Education Commission of Pakistan for oral presentation of Paper at 3$^{rd}$ Annual Conference of American Council for

Medicinally Active Plants, Arkansas State University, Jonesboro, USA on May 22-25, 2012.

## EXTENTION PROJECTS

- Faculty outreach program for farmers education regarding rational use of drugs in animals at districts Chiniot (December, 2011) and Toba Tek Singh (Feburary, 2012). Funded by Endowment Fund, University of Agriculture Faisalabad.
- Faculty outreach program for farmers education regarding rational use of drugs and hormones in animals at district Kot Momin (November 30, 2016). Funded by Endowment Fund, University of Agriculture Faisalabad.

## ACADEMIC RECORD

| Degree | Subject | Institution | Year | CGPA or marks |
|---|---|---|---|---|
| PhD | Comparative Biomedical Sciences (Pharmacology) | North Carolina State University, U.S.A | 2004 | 3.68/4.00 |
| M.Sc.(Hons) | Veterinary Pharmacology | University of Agriculture Faisalabad, Pakistan | 1997 | 3.95/4.00 |
| DVM | Veterinary Medicine | University of Agriculture Faisalabad, Pakistan | 1995 | 3.79/4.00 |
| F.Sc. | Pre-Medical | Board of intermediate and secondary education Faisalabad, Pakistan | 1989 | 750/1100 |
| Matriculation | Science | Board of intermediate and secondary eduation Sargodha, Pakistan | 1987 | 743/850 |

## ADDITIONAL QUALIFICATIONS/PROFESSIONAL TRAININGS

| Serial # | Certificate | Institution | Subject |
|---|---|---|---|
| 1 | Course Certificate | North Carolina State University, U.S.A. | Radiation Safety training |
| 2 | Course Certificate | University of Agriculture Faisalabad, Pakistan | Poultry Health |
| 3 | Course Certificate | Poultry Production Faisalabad, Pakistan | Poultry Management |
| 4. | Course Certificate | University of Agriculture Faisalabad, Pakistan | Research Orientation Program (4$^{th}$ Course) |
| 5. | Course Certificate | The Center for Agriculture and Food Security and Preparedness, University of Tennessee, Knoxville, USA from August 15-18, 2016 at Kuala lumpur, Malaysia. | All Hazards training program |
| 6. | Course Certificate | The Center for Agriculture and Food Security and Preparedness, University of Tennessee, Knoxville, USA from July 31 to August 3, 2017 at Bangkok, Thailand. | Advanced Community Based Prevention, Detection, and Response to All Hazard Training Program |
| 7. | Course Certificate | Department of Mathematics and Statistics, University of Agriculture | Three days training on Statistics for Veterinary |

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| | | Faisalabad, July 17-19, 2017 | and Animal Sciences using R |
| 8 | Course Certificate | Research Methods and the Role of Molecular Biology, a training sponsored by Sandia National Laboratories, USA in Irbid, Jordan from 29 April to 1 May 2018. | Research Methods and the Role of Molecular Biology |
| 9 | Course Certificate | Online training on Countering biological threats and securing dual use information technology and expertise in Pakistan. August 29-31, 2022, University of Tennessee USA | Biosecurity and biosafety |
| 10 | Course Certificate | Participated in Personal Reliability Workshop, held at Karachi on November 9-10, 2022 organized by Pakistan Biological Safety Association | Biosafety |
| 11 | Course Certificate | Closing Personnel Reliability workshop held on September 26-27, 2023 in Islamabad organized by Pakistan Biological Safety Association in collaboration with CHROME Biorisk Management, and Fogarty International Center, NIH-USA | Biosafety and Risk Management |
| 12 | Course Certificate | A workshop held from May 11-14, 2024 Islamabad Pakistan organized by Pakistan Biological Safety Association in collaboration with CHROME Biorisk Management, and Fogarty International Center, NIH-USA | Developing an ISO 35001 Accredidation Process in Pakistan |
| 13 | Course Certificate | Level 1 Training Program held on May 5-8, 2025 in Bahauddin Zakariyya University Multan Pakistan | Level 1 Training for improving teaching and research skills |
| 14 | Course Certificate | Certificate of attendance “Stretegic Leadership and Institutional Management (SLIM)” training program for the Deans organized by the Punjab Higher Education Commission at Lahore College for Women University Lahore from May 4-6, 2026. | Stretegic Leadership and Institutional Management (SLIM)” training program for the Deans |
| 15 | Course Certificate | National Security and Stretagic Leadership Workshop organized by ISPR- Pak Army at Garrison Public Library Multan Cantonment from May 18-22, 2026. | National Security and Stretagic Leadership Workshop |

## POSTGRADUATE RESEARCH

**Ph.D.** **2004** **North Carolina State University, U.S.A.**

Thesis Title: Topical absorption and toxicity studies of jet fuel hydrocarbons in skin.

Research Advisor: Dr. Jim E. Riviere
Burroughs Wellcome Fund Distinguished Professor and Director
Center for Chemical Toxicology Research and Pharmacokinetics

College of Veterinary Medicine, North Carolina State University, Raleigh, U.S.A.

**M.Sc(Hons.) 1997 University of Agriculture Faisalabad, Pakistan.**
Thesis Title: Disposition kinetics of kanamycin in mules.

Research Advisor: Dr. Muhammad Nawaz
Professor
Department of Physiology and Pharmacology
University of Agriculture Faisalabad, Pakistan.

## PROFESSIONAL ACHIEVEMENTS

Higher Education Commission (HEC) Approved PhD Supervisor

Enlisted in the Directory of Productive Scientists of Pakistan

Enlisted in AD Scientific Index, Ranking for World Scientists

## COUNTRIES VISITED

| Countries | Purpose | Year |
|---|---|---|
| United States of America | PhD Studies in North Carolina State University (NCSU) | 2001-2004 |
| United Kingdom (London) | Transit | 2002 |
| United Arab Emirates (Dubai) | Transit | 2003 |
| Malaysia (Kuala Lumpur) | Conference | 2008 |
| Thailand (Bangkok) | Conference | 2009 |
| Saudi Arabia (Makkah, Madina) | Umrah | 2011 |
| United States of America | Conference (Arkansas State University) | 2012 |
| United States of America | Research Faculty in Kansas State University | 2013-2015 |
| Malaysia (Kuala Lumpur) | Short training course | 2016 |
| Thailand (Bangkok) | Short training course | 2017 |
| Jordan (Amman) | Short training course | 2018 |
| Kingdom of Saudi Arabia | Hajj (Pilgrimage) | 2018 |
| Kingdom of Saudi Arabia | Umrah | 2023 |
| Malaysia (Kuala Lumpur) | Visit | 2024 |
| Taiwan (Taichung) | Visiting Professor in National Chung-Hsing University (NCHU) | 2024-25 |

**M.Sc.(Hons.)/M.Phil theses produced as Major Supervisor**

| Year | Student Name | Reg. No | Title of theses |
|---|---|---|---|
| 2006 | Asif Riaz | 2000-ag-698 | Dermal Uptake and toxicity studies of atrazine in rabbits |
| 2007 | Ibadullah Jan | 2001-ag-528 | Comparative determination of heavy metal residues in the milk of cattle and goat in winter season |
| 2009 | Huma Haider | 2007-ag-997 | Dermatotoxic effects of orally administered ciprofloxacin in sweating and non-sweating animal models |
| 2010 | Muzzamil Waheed | 2001-ag-1390 | Dermatoprotective effects of different ficus species against toxicological insults |
| 2010 | H.M. Umar | 2003-ag-2104 | Multi-residue determination of pesticides in meat of |

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| | Farooq | | cattle and goat |
| 2012 | Samea Haroon | 2010-ag-63 | Evaluation of protective effects of *Ficus religiosa* (Peepal plant) against Isoniazid and Rifampicin induced toxicity in rabbits. |
| 2012 | Abdul Waheed | 2009-ag-607 | Protective effects of *Morus alba L.* (White Mulberry) against toxicity induced by Isoniazid in experimental rabbits. |
| 2012 | M. Sharjeel Aslam | 2010-ag-56 | Hepatoprotective effects of *Raphanus sativus* (Radish) leaves against toxicity induced by rifampicin in albino rabbits. |
| 2012 | Nadia Hashmi | 2010-ag-833 | Nephroprotective Effects of *Ficus religiosa Linn* (Peepal Plant) Stem Bark against Isoniazid and Rifampicin Induced nephrotoxicity in Albino Rabbits |
| 2012 | M. Shoaib Zafar | 2010-ag-805 | Nephroprotective Effects of *Morus Alba* Linn against Isoniazid-Induced Toxicity in Albino Rabbits |
| 2012 | Rehan Khalid | 2010-ag-806 | Nephroprotective effects of *Raphanus sativus* (Radish) leaves against toxicity induced by rifampicin in albino rabbits. |
| 2016 | Sarmad Siddique | 2014-ag-2062 | Phytochemical screening and in-vitro evaluation of pharmacological activities of banana *(Musa sapientum)* peel extracts. |
| 2016 | Ayesha Noor | 2014-ag-1478 | Phytochemical screening and in-vitro evaluation of antibacterial and antioxidant activities of *Brassica rapa* peel extracts. |
| 2016 | Shamsa Nawaz | 2014-ag-2613 | Phytochemical screening and in-vitro evaluation of antibacterial and antioxidant activities of *Carica papaya* peel extracts. |
| 2016 | Arooma Munir | 2014-ag-1477 | Phytochemical screening and in-vitro evaluation of antibacterial and antioxidant activities of potato (*Solanum tuberosum*) peel extracts. |
| 2016 | Umm-ul-Baneen | 2014-ag-9071 | Phytochemical screening and in-vitro evaluation of antibacterial and antioxidant activities of *Allium sativum* peel extracts |
| 2017 | Rahat Uzma | 2014-ag-1758 | Evaluation of hepatoprotective effects of *Cannabis sativa* against diclofenac sodium induced hepatoxicity. |
| 2017 | Sadaf Ishtiaq | 2015-ag-595 | Detoxification of doxorubicin by nanosponge in animal model (Rabbit) |
| 2017 | Samia Mahjabeen | 2015-ag-835 | Evaluation of antibacterial, antioxidant and subacute toxicity of Yucca elephantipes in albino rats |
| 2017 | Anam Ahsan | 2015-ag230 | Preparation and therapeutic evaluation of hydrogel patch containing silver nanoparticles prepared by green approach |
| 2017 | Nayab Amber | 2015-ag-2080 | Pharmacological evaluation of anti wrinkle creams containing estrogen, vitamin C and E |
| 2018 | Kanwal Zahra | 2016-ag-2903 | Determination of plasma reactive oxygen species in young male albino rats after treatment with gentamycin and renadyl |
| 2018 | Rabia Akram | 2016-ag1270 | Evaluation of complete blood cell count in young male albino rats treated with gentamycin and after treatment with renadyl |
| 2018 | Sadia Khalil | 2016-ag-1229 | Plasma biochemistry alteration in gentamycin treated male rats and effect of renadyl treatment |
| 2018 | Azka Anam | 2016-ag-1224 | Evaluation of renal alteration by gentamycin and effect |

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| | | | of renadyl on liver enzymes vitamin A, C and E in male albino rats |
| 2018 | Kiren Shazadi | 2016-ag-1089 | Comparative analysis of antibacterial, antioxidant and wound healing properties of transdermal preparation containing castor oil |
| 2018 | Yehya Amjad | 2011-ag-2465 | Phytochemical investigation and in-vitro evaluation of antibacterial and antioxidant activities of grape fruit peel essential oils |
| 2018 | Aamina Shahzadi | 2016-ag1404 | Transdermal patches of kanamycin loaded nanoparticles and comparative pharmacokinetic studies |
| 2018 | Nimra Tariq | 2016-ag-2249 | Optimization and characterization of oral formulation of kanamycin loaded PLGA based nanoparticles and comparative pharmacokinetic studies |
| 2018 | Faiza Irshad | 2016-ag-1405 | Development and invitro, invivo evaluation of proniosomal powders for solubility enhancement of telmisartan |
| 2018 | Areesha Nausher | 2016-ag-2250 | Preparation, characterization, in vitro antibacterial activity and comparative pharmacokinetic study of orally administered curcumin loaded PLGA nanoparticles |
| 2018 | Amara Sharif | 2016-ag-2421 | Development, invitro, invivo and toxicological evaluation of lovastatin loaded hydrogel nanocomposites |
| 2018 | Aroosa Fazal Illahi | 2016-ag-1403 | Preparation, characterization, invitro antibacterial activity, and comparative pharmacokinetics of orally administered quercetin loaded PLGA nanoparticles |
| 2019 | Laraib Anam | 2017-ag-1411 | Nephroprotective effects of quercetin loaded chitosan nanoparticles in cypermethrin induced renal toxicity in rabbits. |
| 2019 | Maham Ashraf | 2017-ag-1415 | Hepatoprotective Effect of quercetin Loaded Chitosan Nanoparticles in Cypermethrin (CYP) Induced Liver Toxicity in Rabbits. |
| 2019 | Adil Munir | 2017-ag-1417 | Synthesis of lipid based nanocarriers and their anti-inflammatory potential in arthritis induced model |
| 2019 | Maira Anwar | 2017-ag-1425 | Nephroprotective effects of curcumin loaded chitosan nanoparticles in cypermethrin induced kidney toxicity in rabbits. |
| 2019 | Kashif Iqbal | 2009-ag-3365 | Characterization and in vivo wound healing study of topically administered formulations of curcumin and quercetin loaded PLGAnanoparticles |
| 2019 | Haris Mazhar | 2017-ag-1412 | Antibacterial and wound healing potential of kinnow (*Citrus Mandarin*) peels essential oil |
| 2019 | Nimra Iqbal | 2016-ag-2129 | Histopathology and reactive oxygen species analysis of Adrenal Kidney Pituitary and thyroid gland of rats after gentamycin injection and followed by oral Renadyl |
| 2020 | Waqar Hussain | 2011-ag-2083 | Anti-arthritic potential of curcumin loaded chitosan nanoparticles in rat model |
| 2020 | Asher Umer | 2011-ag-2181 | Quercetin loaded solid lipid nanoparticles in the treatment of FCA induced Arthritis |
| 2020 | Hafeez Arshad | 2012-ag-2670 | Therapeutic efficacy of cream containing sulfur nanoparticles prepared from banana and orange peels extracts |
| 2020 | Muhammad | 2013-ag-2653 | Methotrexate-Curcumin loaded solid lipid nanoparticles |

| | | | |
|---|---|---|---|
| | Umair Murtaza | | in the treatment of Rheumatoid Arthritis |
| 2020 | Zartashia Kanwal | 2018-ag-1922 | Sub chronic toxicity study of methotrexate loaded chitosan and solid lipid nanoparticles in animal model. |
| 2020 | Asloob Fatima | 2018-ag-1925 | Sub-chronic toxicity studies of Quercetin loaded nanoparticles in rat model |
| 2020 | Farah Rafique | 2018-ag-1931 | Sub-chronic toxicity studies of Curcumin encapsulated chitosan and solid lipid nanoparticles in animal model |
| 2020 | Yasir Ali Yasir | 2018-ag-1938 | Methotrexate-Quercetin loaded solid lipid nanoparticles in the treatment of Freund's complete adjuvant induced Rheumatoid Arthritis |
| 2021 | Saima Zahid | 2019-ag-384 | Therapeutic efficacy of doxycycline loaded chitosan nanoparticles in poultry mycoplasmosis |
| 2021 | Ifraha Abbas | 2019-ag-381 | Hydroxychloroquine-riboflavin loaded ploy lactic-co-glycolic acid nanoparticles in the treatment of FCA induced rheumatoid arthritis |
| 2021 | Ghufran Ahmad Khan | 2019-ag-382 | Ceftiofur hydrochloride loaded solid lipid nanoparticles in the treatment of bovine mastitis |
| 2021 | Ahmad Jamal | 1997-ag-1555 | Efficacy of tylosine loaded chitosan nanoparticles against mycoplasmosis in poultry |
| 2021 | Marvah Munir | 2019-ag-387 | Detoxification of bacterial endotoxins by membrane coated PLGA nanoparticles |
| 2025 | Rameen Arshad | 2019-ag-733 | Therapeutic Potential of fresh and dermented cordia myxa L. fruit against liver fibrosis: In vivo study |
| 2025 | Aqmsha Saleem | 2015-ag-53 | Prevalence of anemia and the effect of iron supplementation among female medical staff |

**PhD STUDENTS PRODUCED AS MAJOR SUPERVISOR**

| Year | Student Name | Title of theses | Status |
|---|---|---|---|
| 2019 | Bushra Akhtar | Formulation, characterization and pharmacokinetics of nanoparticle based gentamicin preparations | Completed |
| 2021 | Ridda Siddique | Pharmacological evaluation of nanoformulations of Oxaprozin, Gingerol and Oleanic acid on FCA induced rehumatoid arthritis. | Completed |
| 2021 | Sidra Altaf | Detoxification of organophosphate poisoning using biomimetic nanosponge | Completed |
| 2021 | Nida Noreen | Development of user friendly diagnostic kits for determination of sulfonamide and penicillin residues in biological fluids | Completed |
| 2022 | Majid Anwar | Immunomodulation with subunit outer membrane protein coated nanoparticles in the control of salmonellosis of poultry | Completed |
| 2023 | Dawood Naseer | Preparation, characterization and pharmacological evaluation of geranium and lavender essential oils based nanoformulations in FCA-induced rheumatoid arthritis | Completed |
| 2023 | Abdul Aleem | Development of user friendly diagnostic kits for detection of ceftiofur and tetracycline residues in biological fluids | Completed |
| 2026 | Hafiza Sadia Younis | Therapeutic potential of Tulsi (*Ocimum sanctum*) as neutraceutical in arthritis | Completed |
| 2026 | Syeda Asloob Fatima | Flavone and organic acid loaded solid lipid nanoparticles for treatment of adjuvant induced rheumatoid arthritis in rat model | Completed |

**PUBLICATIONS (Total I.F = 303.57)**

1) Sidra Altaf, **Faqir Muhammad**, Rao Zahid Abbas, Mostafa A. Abdel-Maksoud, Salman Alrokayan, Ahmed Othman Alsabih, 2026. Nanotechnology-Based Detoxification of Profenofos Using Red Blood Cell Membrane- Coated Polymeric Nanoparticles. BMC Pharmacology and Toxicology **https://doi.org/10.1186/s40360-026-01152-w Q2 category** (**Impact factor 2.7**)
2) Muhammad Noor, Masood Akhtar, Mian Muhammad Awais, Muhammad Irfan Anwar, **Faqir Muhammad**, 2026. Nano-formulated β-glucans from Saccharomyces cerevisiae enhance immunity and protection against coccidiosis in broiler chickens. Veterinary Parasitology 347 (2026) 110859: https://doi.org/10.1016/j.vetpar.2026.110859 Q1 **catgoryImpact factor 2.7**
3) Chi-Ming Wu, Tirawat Rairat, Yi-Ping Lu, Po-Wen Chen, **Muhammad Faqir**, Channarong Rodkhum, Chi-Chung Chou. 2026. Effects of a Lactobacillus mixture on Florfenicol disposition, CYP3A activity and gut microbiota in Nile Tilapia (Oreochromis niloticus). Pakistan Veterinary Journal (accepted) **Q1 category** (**Impact factor 5.4**)
4) Mian Muhammad Awais, Mohamed Tharwat, Tahir Yaqoob, Masood Akhtar, Abdul Sammad Ali Khan Shirwany,Muhammed Ahmed, **Faqir Muhammad**, Saleh Alkhedhairi. 2026. Status of Cryptosporidiosis in Cattle Raised by Marginalized Nomadic Communities of Southern Punjab, Pakistan: An observational Study" Frontiers in Veterinary Science, **DOI** 10.3389/fvets.2026.1820598 **Q2 category** (**Impact factor 2.9**)
5) Syeda Asloob Fatima, Bushra Akhtar, **Faqir Muhammad**, Bilal Aslam, Muhammad Shahid 2025. Diosmetin-loaded solid lipid nanoparticles mitigate adjuvant-induced arthritis via modulating immune expression of cytokines and downregulation of MMP-13 and free redical production. Advanced Therapeutics **https://doi.org/10.1002/adtp.202500249 Q1 category** (**Impact factor 2.6**)
6) Maham Ashraf, Bushra Akhtar, Chi-Chung Chou, Muhammad Saeed, **Faqir Muhammad*.** 2025. Effect of nanoquercetin on cypermethrin induced liver injury in rabbits. Journal of Dietary Supplements. https://doi.org/10.1080/19390211.2025.2507612 **Q3 category**. (**Impact factor 1.9**)
7) Nida Noreen, Bushra Akhtar, Chi-Chung Chou, Muhammad Irfan Anwar, Mian Muhammad Awais, **Faqir Muhammad*.** 2025. A rapid screening method for detection of ampicillin residues in dairy milk. Research in Veterinary Science. https://doi.org/10.1016/j.rvsc.2025.105867. **Q2 category**. (**Impact factor 1.8**)
8) Kanwal Akhtar, M Khawar Abbas, Nida Muzammil, Naveed Akhtar Shad, Qaisar Iqbal, Wasim Abbas, **Faqir Muhammad**, Bushra Akhtar, Yasir Javed, Babiba Khadim, Anam

Munawar, 2025. Optimizing the anticancer action and toxicity evaluation of cobalt ferrite nanoparticles by different polyethylene glycol concentrations. Journal of Trace Elements in Medicine and Biology. https://doi.org/10.1016/j.jtemb.2025.127698. **Q1 category** (**Impact factor 3.3**)

9) ASAK Shirwany, MM Awais, Saad Masood, Aeyesha Riaz, Masood Akhtar, Hosny El-Adawy, **Faqir Muhammad,** MI Anwar, Mamoona Chaudhry. 2025. A snapshot of brucellosis as an occupational health hazard in animal handlers of an agroecological zone of southern Punjab, Pakistan. Journal of Agromedicine (Accepted). **Q2 category**. (**Impact factor 1.7**)
10) Rida Siddique, **Faqir Muhammad***, M. Naeem Faisal, Bushra Akhtar, Ammara Saleem, Shaneel Kousar, Ali Sharif, Muhammad Saeed, Safwan Muhammad. 2024. Gingerol nanoparticles attenuate complete freund adjuvant-induced arthritis in rats via targeting the RANKL/OPG signaling pathway. Inflammorpharmacology https://doi.org/10.1007/s10787-024-01537-5. (**Impact factor 5.09**) **(W-category) Q1 category**
11) Muhammad Kashif Saleemi, Ahmad Raza, Aisha Khatoon, Muhammad Zubair, Shafia Tehseen Gul, Xu Yongping, Bilal Murtaza, **Faqir Muhammad**, Bushra Akhtar, Farhat Jubeen, Farzana Rizvi, Khawar Zubair, Anas Ashraf, Muhammad Nabeel Ijaz, Asim Sultan. 2024. Pathological effects of feeding aflatoxin-contaminated feed on immune status and reproductive performance of juvenile white leghorn males and its mitigation with∝-tocopherol. Environmental Science and Pollution Research 31 (2): 2156-2166. https://doi.org/10.1007/s11356-023-31194-0 (**Impact factor 5.8**) **(W-category) Q1 category**
12) Bushra Fatima, Muhammad Naeem Faisal, Bilal Aslam and **Faqir Muhammad.** 2024. Phyto-profiling and therapeutic intervention of *Helianthus annuus* seeds and *Spinacia oleracea* leaves extracts against Dextran sodium sulphate induced colitis in Wistar rats. *Pak. J. Agri. Sci., Vol. 61(1), 277-284;2024 DOI:10.21162/PAKJAS/24.250.* (**Impact factor 0.86**)

13) Rana Dawood Naseer, **Faqir Muhammad***, Bilal Aslam, M. Naeem Faisal. 2023. Anti-arthritic effects of geranium essential oil loaded chitosan nanoparticles in Freund's complete adjuvant induced arthritic rats through down-regulation of inflammatory cytokines. Inflammopharmacology https://doi.org/10.1007/s10787-023-01233-w (**Impact factor 5.093**) **(W-category) Q1 category**
14) Abdul Aleem, Bushra Akhtar, **Faqir Muhammad**, Anas Sarwar Qureshi, Sajjad ur Rahman. 2023. Development of a Lateral-Flow Immunochromatographic Strip for the Detection of Oxytetracycline Residues in Biological Fluids. ACS Omega, https://doi.org/10.1021/acsomega.3c04759 (**Impact factor 4.1**) **(W-category) Q1 category**
15) Nida Shakir, Ali Sharif, Sajid Ali, Bushra Akhtar, Muhammad Furqan Akhtar, **Faqir Muhammad**, Ammara Saleem, Kanwal Akhtar, Imran Tariq, Muhammad Imran Khan 2023. Pirarubicin loaded biodegradable nanoparticles downregulate IL-6, COX-II and TNF-α along

with oxidative stress markers in comparison to conventional pirarubicin in healthy albino rats. Journal of drug Delivery Science and Technology, https://doi.org/10.1016/j.jddst.2023.104498. (**Impact factor 5.062**) **(W-category)**

16) Aisha Mahmood, Haseeb Anwar, M. Naeem Faisal, Junaid A Khan, Humaira Muzzafar, **Faqir Muhammad**, Jazeb Hussain, Jawad Aslam. 2023. Association of high-fat diet with I-FABP, as a biomarker of intestinal barrier dysfunction driven by metabolic changes in Wistar Rats". Lipids in Health and Disease. (Accepted) (**Impact factor 4.32**) **(W-category)**
17) Deeba Naz, Sajjad ur Rehman, M. Amir Aslam, **Faqir Muhammad**. 2023. Immunotherapeutic and immunomodulatory potentials of antigen-antibody complex vaccines. Medical Hypotheses 170: 111001. DOI: https://doi.org/10.1016/j.mehy.2022.111001 **(Impact factor 2.1)**
18) Muhammad Irfan Anwar, Muhammad Ali Tahir , Mian Muhammad Awais , Ahmad Raza, Masood Akhtar , **Faqir Muhammad** , Muhammad Raza Hameed and Nabeel Ijaz, 2023. Purification, Characterization and Protective Effects of Indigenous Yeast Derived β-glucans against Salmonellosis in Broilers. Pakistan Vet. J. DOI: 10.29261/pakvetj/2023.013. (**Impact factor 1.80**) **(X-category)**
19) Sabahat Abdullah, Mashkoor Mohsin, Sajjad ur Rahman, **Faqir Muhammad.** 2023. Association between antimicrobial consumption and resistance rate of Escherichia coli in hospital settings. Journal of Applied Microbiology 134 (1): 1xac003. Doi: 10.1093/jambio/Ixac003 (**Impact factor 4.06**) **(X-category)**
20) Muhammad Kashif Saleemi, Ahmad Raza, Aisha Khatoon, Muhammad Zubair, Xu Yongping, Bilal Murtaza, Xiaoyu Li, Maria Jamil, Muhammad Imran, **Faqir Muhammad**, Khawar Zubair, Sheraz Ahmed Bhatti, Muhammad Kamran Rafique, Ishtiaq Ahmed, Farhan Azal, Farhat Jubeen and Abdul Basit, 2023. Toxic Effects of Aflatoxin B1 on Hematobiochemical and Histopathological Parameters of Juvenile White Leghorn Male Birds and their Amelioration with Vitamin E and *Moringa oleifera*. Pakistan Vet. J. 43 (3): 405-411 http://dx.doi.org/10.29261/pakvetj/2023. (**Impact factor 2.3**) **(X-category)**
21) Samia Ali, M. Naeem Faisal, Junaid Ali Khan, **Faqir Muhammad** 2023. Role of monolaurin additive with medium chain fatty acids against dextran sulfate sodium induced acute colitis through down regulating the oxidative stress in wister rats. Pak. J. Agri. Sci. 60 (2):347-354 DOI: 10.21162/PAKJAS/23.30 (**Impact factor 0.856) (X-category)**
22) Muhammad Usman Saleem, **Faqir Muhammad**, Ali Sharif, Muhammad Imran Arshad, Kanwal Akhtar, Yasir Javed, Bushra Akhtar. 2022. Methotrexate-loaded biodegradable nanoparticles exert anti-arthritic efect by downregulating pro-infammatory cytokines in Freund's complete adjuvant-induced arthritic rats. Inflammopharmacology, http://doi.org/10.1007/s10787-022-00977-1 (**Impact factor 4.47**) **(W-category)**
23) Anas Ashraf, Muhammad Kashif Saleemi, Mashkoor Mohsin, Shafia Tehseen Gul, Muhammad Zubair, **Faqir Muhammad**, Sheraz Ahmad Bhatti, Muhammad Raza Hameed, Muhammad Imran, Hamid Irshad, Iqra Zaheer, Ishtiaq Ahmed, Ahmad Raza, Anas Sarwar Qureshi, Ahrar Khan. 2022. Pathological effects of graded doses of aflatoxin B1 on the Environmental development of testes in juvenile white leghorn males. Environmental Science and Pollution Research, http://doi.org/10.1007/s11356-022-19324-9 (**Impact factor 4.23**) **(W-category)**

24) Mian Muhammad Awais, Ujala Mehtab, M. Irfan Anwar, M. Raza Hameed, Masood Akhtar, Ahmad Raza, Riffat Ayesha, **Faqir Muhammad,** M. Kashif Saleemi, Ahad Fayaz. 2022. Mitigation potential of individual and combined dietary supplementation of local Bentonite Clay and Distillery Sludge against Ochratoxin-A induced toxicity in Broilers. BMC Veterinary Research 18:375 (**Impact factor 2.79**) **(W-category)**
25) Myeda Saeed, Ali Sharif, Saeed ul Hassan, Bushra Akhtar, Faqir Muhammad, Maryam Malik 2022. Cyperus iria aqueous-ethanol extract ameliorated hyperflycemia, oxidative stress, and regulated inflammatory cytokines in streptozotocin-induced diabetic rats. Environmental Science and Pollution Research 29(3):4769-4784. (**Impact factor 4.23**) **(W-category)**
26) Syeda Momna Ishtiaq, Junaid Ali Khan, Faqir Muhammad and Muhammad Shahid, 2022. Peroxisome Proliferator-Activated Receptor Gamma Agonists Modulate High-Fat Diet- and Carbon Tetrachloride-Induced Non-Alcoholic Fatty Liver Disease Pathophysiology and Transcriptional Expression of Inflammatory Markers in a Murine Model. Pakistan Vet. J. http://dx.doi.org/10.29261/pakvetj/2022.017. (**Impact factor 1.32**) **(X-category)**
27) Deeba Naz, Sajjad ur Rehman, M Amir Aslam, **Faqir Muhammad**, 2022. New castle disease virus in poultry with an interface as a human vetor. Veterinary Vaccine 1: 100003. https://doi.org/10.1016/j.vetvac.2022.100003.
28) Majid Anwar, **Faqir Muhammad***, Bilal Aslam, M. Kashif Saleemi, 2021. Isolation, characterization and invitro antigenicity studies of outer membrane proteins (OMPs) of *salmonella gallinarum* coated gold nanoparticles (AuNPs). Immunobiology 226: 152131. (**Impact factor 3.14**) **(X-category)**
29) Majid Anwar· **Faqir Muhammad*** · Bushra Akhtar · Muhammad Irfan Anwar · Ahmad Raza- Abdul Aleem 2021. Outer Membrane Protein Coated Nanoparticles as Antibacterial Vaccine Candidates. International Journal of Peptide Research and Therapeutics. https://doi.org/10.1007/s10989-021-10201-3(**Impact factor 1.93) (X-category)**
30) Maira Anwar, **Faqir Muhammad***, Bushra Akhtar 2021. Biodegradable nanoparticles as drug delivery devices. Journal of Dug Delivery Science and Technology 64 102638. https://doi.org/10.1016/j.jddst.2021.102638. (**Impact factor 3.98**) **(W-category)**
31) Bushra Akhtar, **Faqir Muhammad***, Ali Sharif, M. Irfan Anwar 2021. Mechanistic insights of snake venom disintegrins in cancer treatment. European Journal of Pharmacology, 899: 174022 https://doi.org/10.1016/j.ejphar.2021.174022 (**Impact factor 4.43) (W-category)**
32) Sidra Altaf, **Faqir Muhammad***, Bilal Aslam, M Naeem Faisal 2021. Cell membrane enveloped polymeric nanosponge for detoxification of chlorpyrifos poison: In-vitro and In-vivo studies: Human and Experimental Toxicology 40(8):1286-1295. DOI: 10.1177/0960327121993207 (**Impact factor 2.90) (W-category)**
33) Kanwal Akhtar, Yasir Javed, **Faqir Muhammad**, Bushra Akhtar, Naveed Akhtar Shar, M. Munir Sajid, Yasir Jamil, Ali Sharif, Waseem Abbad 2021.Biotransformation and toxicity evaluation of functionalized manganese doped iron oxide nanoparticles. Journal of Biomedical Materials Research Part B: Applied Biomaterials 109 (10):1563-1577 doi: 10.1002/jbm.b.34815 (**Impact factor 3.368) (X-category)**
34) AdilMunir,**FaqirMuhammad***,YumnaZaheer,AsimAli,MazharIqbal,MubasharRehman,Muhammad UsmanMunir,BushraAkhtar,Thomas J.Webster, AliSharif, AyeshaIhsan. 2021. Synthesis of naringenin loaded lipid based nanocarriers and their in-vivo therapeutic potential in a rheumatoid arthritis model. Journal of Drug Deliver Science and Technology https://doi.org/10.1016/j.jddst.2021.102854 (**Impact factor 3.98) (W-category)**
35) Kanwal Akhtar, Jasir Javed, Naveed Akhtar Shad, Muhammad Munir Sajid, **Faqir Muhammad**, Bushra Akhtar, M. Irfan Hussain, Ali Sharif, Waseem Abbas, Anam Munawar.

2021. In vivo toxicity and biodegradation studies in mimicked biological media of bare and functionalized hematite nanoparticles. Advances in Applied Ceramics doi.org/10.1080/17436753.2021.1956292 (**Impact factor 2.09) (X-category)**

36) Nida Noreen, **Faqir Muhammad***, Bilal Aslam, Junaid Ali Khan, 2021. Development of user friendly diagnostic kit for detection of sulfonamide residues in biological fluids. Pak J. Agri. Sci. 52(2): 667-675. (**Impact factor 0.75) (X-category)**
37) Rida Siddique, **Faqir Muhammad***, Bilal Aslam and M Naeem Faisal 2021. Characterization and in vivo evaluation of nanoformulations in FCA induced rheumatoid arthritis in rats. Pak J Pharmaceut Sci 34(2) Suppl: 787-793. (**Impact factor 0.684) (X-category)**
38) Hussain Z, Khan JA, Arshad MI, Muhammad F, Abbas RZ. 2021. Comparative characterization of cinnamon, cinnamaldehyde and kaempferol for phytochemical, antioxidant and pharmacological properties using acetaminophen-induced oxidative stress mouse model. *Latin American & Caribbean Bulletin of Medicinal & Aromatic Plants* 20 (4): 339 - 350. **(Impact factor 0.77)**
39) Humaira Muzaffar, Muhammad Naeem Faisal, Haseeb Anwar, Abid Hussain, Junaid Ali Khan, **Faqir Muhammad**, Bilal Aslam, Aisha Mahmood, Ahmed Abdelsadik, Jawad Aslam, Muhammad Faisal Manzoor, Nazir Ahmad, Emad Karrar 2021. Fish protein intake is a novel dietary approach for managing diabetes-associated complications in diabetic Wistar rat model. Food Science and Nutrition. 2021;9:1017–1024. (**Impact factor 2.86) (W-category)**
40) Zulfia Hussain, Junaid Ali Khan, Muhammad Imran Arshad, Faqir Muhammad and Rao Zahid Abbas, 2021. Protective Effects of Cinnamon, Cinnamaldehyde and Kaempferol against AcetaminophenInduced Acute Liver Injury and Apoptosis in Mouse Model. Pak Vet J. 41 (1), 25-32. DOI: 10.29261/pakvetj/2020.090 **(Impact factor 1.82) X-category**
41) Aqsa Mushtaq, Bilal Aslam, **Faqir Muhammad**, and Junaid Ali Khan 2021. Hepatoprotective activity of Nigella sativa and Piper nigram against concanavalin-A induced acute liver injury in mouse model. Pak Vet J. 41(1): 78-84 **(Impact factor 1.82) X-category**
42) Shaneel Kousar, Bilal Aslam, **Faqir Muhammad** and Junaid Ali Khan. 2021. Hepatoprotective and hypolipidemic activities of Caesalpinia bonduc seed kernels and Gymnema sylvestre leaves extracts in alloxan-induced diabetic rats. Pak. J. Pharm. Sci., Vol.34, No.1(Suppl), 307-311. (**Impact factor 0.68) (Y-category)**
43) Fareeha Subhan, Bilal Aslam, **Faqir Muhammad**, Muhammad Naeem Faisal, Asif Hussain, Muhammad Usman Bari, 2021. The efficiency of Cressa cretica (Linn.) extract in attenuating vancomycin-induced nephrotoxicity and oxidative stress in rabbits. Comparative Clinical Pathology , https://doi.org/10.1007/s00580-021-03263-8 (**Impact factor 0.66) (Y-category)**
44) Asif Hussain, Bilal Aslam, **Faqir Muhammad**, Muhammad Naeem Faisal, Shaneel Kousar, Aqsa Mushtaq, Muhammad Usman Bari, 2021. Anti-arthritic activity of Ricinus communis L. and Withania somnifera L. extracts in adjuvant-induced arthritic rats via modulating inflammatory mediators and subsiding oxidative stress. Iranian J Basic Med Sci 24:951-961. https://doi.org/10.22038/ijbms.2021.55145.12355 (**Impact factor 2.699) (X-category)**
45) Bushra Akhtar, **Faqir Muhammad***, Bilal Aslam, M, Kashif Saleemi, Ali Sharif. 2020. Pharmacokinetic profile of chitosan modified poly lactic co-glycolic acid biodegradable nanoparticles following oral delivery of gentamicin in rabbits, International Journal of Biological Macromolecules**(Impact factor 8.02) (W-category)** https://doi.org/10.1016/j.ijbiomac.2020.07.206
46) Maira Anwar, **Faqir Muhammad***, Bushra Akhtar, Sajjad-ur-Rahman, M. Kashif Saleemi,2020. Nephroprotective effects of curcumin loaded chitosan nanoparticles in cypermethrin induced renal toxicity in rabbits. Environmental Science and Pollution Research https://doi.org/10.1007/s11356-020-08051-5 **(Impact factor 4.22). W-category**
47) Bushra Akhtar, **Faqir Muhammad***, Bilal Aslam, Muhammad Kashif Saleemi, Ali Sharif, 2020. Biodegradable nanoparticle based transdermal patches for gentamicin delivery:

Formulation, characterization and pharmacokinetics in rabbits. Journal of Drug Delivery Science and Technology, 57, https://doi.org/10.1016/j.jddst.2020.101680 **(Impact factor 3.98) W-category**

**48)** Bushra Akhtar, **Faqir Muhammad***, Ali Sharif, Abdul Hannan. 2020. "Therapeutic options for treatment of COVID-19: A review from repurposed drugs to new drug targets". Current Drug Targets. DOI: 10.2174/1389450121999201006193329 **(IF=3.47) (X-category)**

49) Maham Ishfaq, Bushra Akhtar, **Faqir Muhammad***, Ali Sharif, Muhammad Furqan Akhtar, Irfan Hamid, Kashif Sohail and Hosh Muhammad. 2020. "Antioxidant and wound healing potential of essential oil from Citrus reticulata peel and its chemical characterization". Current Pharmaceutical Biotechnology. DOI: 10.2174/1389201021999200918102123. **(IF=2.84) (X-category)**

50) Bushra Akhtar, **Faqir Muhammad***, Bilal Aslam and M Kashif Saleemi, 2020. Toxicity studies of oral and transdermal formulations of gentamicin loaded PLGA nanoparticles in animal model. Pakistan Vet J. 40 (1): 67-72. **(Impact factor 1.32) X-category**

51) Kanwal Akhtar, Yasir Javed, Yasir Jamil, **Faqir Muhammad**. 2020. Functionalized cobalt ferrite cubes: toxicity, interactions and mineralization into ferritin proteins. Applied Nanoscience 10: 3659-3674 **(Impact factor 3.67)**

52) Mahroz Zafar, Ali Sharif, Darosham Khan, Bushra Akhtar, **Faqir Muhammad**, M Furqan Akhtar, Tuktum Fatima. 2020. Preventive effect of Euphorbia royleana Boiss on diabetes induced by streptozotocin via modulating oxidative stress and DNA damage. Toxin Reviews https://doi.org/10.1080/15569543.1780262 **(Impact factor 4.27) (Y-category)**

53) TAYYEBA RAMZAN, BILAL ASLAM, **FAQIR MUHAMMAD**, MUHAMMAD NAEEM FAISAL, ASIF HUSSAIN 2020. Influence of Ocimum sanctum (L.) Extract on the Activity of Gliclazide in Alloxan-induced Diabetes in Rats, Revista de Chimie https://doi.org/10.37358/Rev. Chim. 1949. Rev. Chim., 71 (10), 101-110 **(Impact factor 1.76)**

54) Maryam Malik, Ali Sharif, Saeed-ul-Hassan, **Faqir Muhammad**, Humaira Majeed Khan, Bushra Akhtar, Myeda Saeed 2020. Amelioration of hyperglycemia and modulation of pro-inflammatory cytokines by Tamarix gallica fractions in alloxan induced diabetic rats. *Archives of Physiology and Biochemistry* (IARP), DOI: 10.1080/13813455.2020.1788099. **(Impact factor 4.08) (X-category)**

55) Rashid H, Hussain Z, Ishtiaq SM, Rasheed MU, Faisal MN, Aslam B, **Muhammad F**, Babar W, Abbas RZ and Khan JA, 2020. Prebiotics supplementation ameliorates high fat high sugar diet-associated oxidative stress. Pak Vet J. 40(4) 467-473. **(Impact factor 1.32) (X-category)**

56) Haroon Rashid, Junaid Ali Khan, **Faqir Muhammad** and Rao Zahid Abbas, 2020. Probiotics Supplementation Reduces High Fat High Sugar Diet- Associated Oxidative Stress at Intestinal Epithelial Cells, Nephrons and Hepatocytes in Rat Model. INTERNATIONAL JOURNAL OF AGRICULTURE & BIOLOGY, 23 (2): 454–462. **(Impact factor 0.82) X-category**

57) Amina Naseer, Asif Hussain, Bilal Aslam, **Faqir Muhammad**, Mashkoor Mohsin, Muhammad Usman Bari, Aisha Sultana and Anum Masood. 2020. Vitamin E and Selenium Attenuate Hepatotoxicity, Nephrotoxicity and Oxidative Stress Induced by Rifampicin in Rabbits. Pakistan Vet. J http://dx.doi.org/10.29261/pakvetj/2020.026. **(Impact factor 1.32) X-category**

58) AMBREEN AISHA, MUHAMMAD ANJUM ZIA , MUHAMMAD ASGHER AND **FAQIR MUHAMMAD**, 2020. L-ASPARAGINASE, ACRYLAMIDE QUENCHING ENZYME PRODUCTION FROM LEAVES OF TAMARINDUS INDICA AND SEEDS OF VIGNA RADIATA–FABACEAE, Pak. J. Bot., 52(1): 243-249, DOI: http://dx.doi.org/10.30848/PJB2020-1(42) **(Impact factor 0.97) X-Category**

59) Asif Mahmood, Amara Sharif, **Faqir Muhammad***, Rai Muhammad Sarfraz, Muhammad Asad Abrar, Muhammad Naeem Qaisar, Naveed Anwer, Muhammad Wahab Amjad, Muhammad Zaman. 2019. Development and in vitro evaluation of (βcyclodextrin-g-methacrylic acid)/Na+ - montmorillonite nanocomposite hydrogels for controlled delivery of

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**HEC Recognized Non Impact factor publications**

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2) Nila Rifaque, Tahira Iqbal, Muhammad Shahid, Faqir Muhammad, 2014. Hematological and biochemical parameters in Pakistani Chronic lymphoblastic leukemia patients. Pakistan J life and social sci. 12(1):16-19.
3) **Muhammad,F**., Akhtar, M., Rahman, Z.U., Farooq, H.U., Khaliq, T., Anwar, M.I. 2010. Multi-residue determination of pesticides in the meat of cattle in Faisalabad-Pakistan. Egyptian Academic Journal of Biological Sciences F. Toxicology and Pest Control, 2 (2): 19-28.
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