

CURRICULUM VITAE



NAME: Dr. Rizwan Aslam

AGE: 39 Years

DESIGNATION: Assistant Professor

ORGANIZATION: Institute of Microbiology, University of Agriculture, Faisalabad

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IMPACT FACTOR: 51.302

CITATIONS: 593

H-INDEX: 11

EDUCATIONAL QUALIFICATION:

- 2009-13 - Ph.D – Molecular and cellular aspects of biology**
 - Inserm U-1121, University of Strasbourg, France
- 2008-09 - Master 2 – Molecular and cellular physiopathology**
 - Inserm U-575, University of Strasbourg, Strasbourg, France
- 2006-09 - M.Sc. (Hons) – Microbiology:**
 - Department of Microbiology, University of Agriculture, Faisalabad, Pakistan
- 2002-06 - DVM – Doctor of veterinary medicine:**
 - Faculty of Veterinary Science, University of Agriculture, Faisalabad, Pakistan
- 2000-02 - F.Sc – Premedical:**
 - Board of intermediate and secondary education, Multan, Pakistan
- 1998-00 - Matric – Science:**
 - Board of intermediate and secondary education, Faisalabad, Pakistan

PROFESSIONAL EXPERIENCE:

- **Assistant Professor (TTS) – (09 Years)**
 - Febraury 11, 2015-Febraury 10, 2024
 - Institute of Microbiology, University of Agriculture, Faisalabad, Pakistan
- **Assistant Professor (contract) – (02 months)**
 - December 02, 2013–December 01, 2014
 - Institute of Microbiology, University of Agriculture, Faisalabad, Pakistan
- **Assistant Professor (IPFP) – (01 years)**
 - December 02, 2013–December 01, 2014
 - Institute of Microbiology, University of Agriculture, Faisalabad, Pakistan
- **Associated Assistant (Research) – (01 year 6 Months)**
 - March 01, 2010 – August 31, 2010
 - January 18, 2012 – July 18, 2012
 - September 01, 2012 – December 31, 2012
 - July 01, 2013 – August 31, 2013
 - Inserm U1121, University of Strasbourg, Strasbourg, France

TEACHING OF COURSES

- 43 credit hours (average number for academic year excluding summer session)
 - Undergraduate courses: 20
 - Postgraduate courses: 11

POST-GRADUATE STUDENTS SUPERVISED:

As Supervisor:

1. Ph. D. Completed	:	1 Student
2. Ph. D. Ongoing	:	3 Students
3. M. Phil Completed	:	54 Students
4. M. Phil Ongoing	:	3 Students

PUBLICATIONS:

1. Shahid Nadeem*, **Rizwan Aslam***, Sajjad Ur Rahman, Muhammad Kasib Khan. (2024). Risk analysis and seroprevalence of bovine ephemeral fever virus in Punjab, Pakistan. **Veterinari Medicina**. 69:67-76. DOI: 10.17221/95/2023-VETMED (**Impact factor: 0.7**)
2. Faisal Masoud, Muhammad Shahid Mahmood, Rao Zahid Abbas, Hafiza Masooma Naseer Cheema, Azhar Rafique*, Sultan Ali, **Rizwan Aslam**, Muhammad Kasib Khan. 2023. Engineered Newcastle disease virus expressing the haemagglutinin protein of H9N2 confers protection against challenge infections in chickens. **Process Biochemistry**. 130: 281–290. <https://doi.org/10.1016/j.procbio.2023.04.014>. (**Impact Factor: 4.885**)
3. Asma Riaz, Muhammad Armaghan Shahzad, Aitezaz Ahsan, **Rizwan Aslam**, Muhammad Usman, Basit Rasheed, Munib Hussain, Maryam Irtash, Muhammad Kashif Saleemi, Abdul Ali, Sajid Mahmood Sajid and Hamid Irshad*. 2023. Investigations into the Role of Zoo Animals in Transmitting the Extended Spectrum Beta Lactamases (ESBL) *E. coli* in the Environment. **International Journal of Veterinary Science**. <https://doi.org/10.47278/journal.ijvs/2023.046> (**Impact Factor: 0.277**)
4. Kainat Ishaq, Aqsa Ahmad, Azhar Rafique, **Rizwan Aslam**, Sultan Ali, Muhammad Akbar Shahid, Noreen Sarwar, Muhammad Aamir Aslam, Bilal Aslam and Muhammad Imran Arshad*. 2022. Occurrence and Antimicrobial Susceptibility of *Proteus mirabilis* from Chicken Carcass. **Pakistan Veterinary Journal**. 42(4): 576-579. DOI: 10.29261/pakvetj/2022.026 (**Impact Factor: 2.3**)
5. Rasti Abbas, Zeeshan Nawaz, Abu-Bakar Siddique, **Rizwan Aslam**, Azhar Rafique, Muhammad Asif Zahoor, Muhammad Usman Qamar, Muhammad Zishan Ahmad, Muhammad Moazzam Jalees, Muhammad Qasim and Abdullah F Alsayeqh. 2022. Molecular detection of biofilm production among multidrug resistant isolates of *Pseudomonas aeruginosa* from meat samples. **Pakistan Veterinary Journal**, 42(4): 505-510. <http://dx.doi.org/10.29261/pakvetj/2022.074> (**Impact Factor: 2.3**)

6. Asif Masih, Azhar Rafique, Abu Baker Siddique, Zeeshan Nawaz, Sultan Ali, **Rizwan Aslam**, Muhammad Shahid Mahmood, Rao Zahid Abbas and Tahir Mehmood. 2022. Babesia bovis in Large Ruminants in Pakistan - Molecular Detection and Haemato-Biochemical Alterations. **Acta Scientiae Veterinariae**, 2022. 50: 1890. DOI: 10.22456/1679-9216.121920 (**Impact Factor: 1.008**)
7. Sanam Naz, Tahir Farooq, Arruje Hameed, Haseeb Anwar, **Rizwan Aslam**, Shoaib Ahmad Malik, Rabia Akram, Faiqa Sajid, Zakia Saeed, Ghulam Hussain. 2022. Thuja Occidentalis L. Expedites Functional Recovery after Sciatic Nerve Crush Injury in Mice. **Pakistan Journal of Medical and Health Sciences**. 16(03): 396-400. DOI: <https://doi.org/10.53350/pjmhs22163396>.
8. Azhar Rafique, Muhammad Shahid Mahmood, Rao Zahid Abbas, Sultan Ali, Mian Hafeez Ahmad and **Rizwan Aslam**. 2022. Anthelmintic activity of *Moringa oleifera* and *Azadirachta indica* against gastrointestinal nematodes of wild sheep. **Journal of the Hellenic Veterinary Medical Society**, 73(2), 3989–3996. <https://doi.org/10.12681/jhvms.25876> (**Impact Factor: 0.174**)
9. Sami Ullah Khan*, **Rizwan Aslam**, Muhammad Ashraf, Sultan Ali, Muhammad Saqib, Muhammad Arshad Khattak, Umer Sadique Khattak, Haq Amanullah, Hastari Wuryastuty, R. Wasito, Aris Haryanto, Farman Ullah, Menggen Ma. Sardar Ali. 2022. Prevalence of antibiotic resistance pattern in shigella isolates procured from pediatric patients at Faisalabad – Pakistan. **Pakistan Journal of Pharmaceutical Sciences**. 35 (1): 041-048. doi.org/10.36721/PJPS.2022.35.1.REG.041-048.1 (**Impact Factor: 0.863**)
10. Muhammad Shahid Mahmood, Asma Ashraf, Sultan Ali, Abu Bakar Siddique, Farkhanda Asad, Rao Zahid Abbas, Faisal Siddique, Azhar Aslam, **Rizwan Aslam**, Azhar Rafique*. 2021. Portrayal of Punica granatum L. peel extract through High Performance Liquid Chromatography and antimicrobial activity evaluation. **Brazilian Journal of Biology**, 2023, vol. 83, e244435. <https://doi.org/10.1590/1519-6984.244435> (**Impact Factor: 1.36**)
11. Aqsa Ahmad, Noreen Sarwar, **Rizwan Aslam**, Sultan Ali, Bilal Aslam, Muhammad Adnan Arshad, Hira Hameed, Muhammad Imran Arshad*. 2021. Pattern of clinical drug resistance and occurrence of Gram negative bacterial neonatal sepsis at a tertiary care hospital. **Pakistan Journal of Pharmaceutical Sciences**. 34(5): 1873-1878. doi.org/10.36721/PJPS.2021.34.5.SUP.1873-1878.1 (**Impact Factor: 0.863**)
12. Muhammad Ashraf, Sajjad-ur-Rahman, Muhammad Jawad Bashir*, **Rizwan Aslam**, Sultan Ali, Abdul Jabbar. 2021. Transferring of Lactobacillus antibiotic resistant genes to Salmonella. **Abasyn Journal of Life Sciences**. 4 (1): 145-151. DOI: 10.34091/AJLS.4.1.17.
13. Aqsa Ahmad, Syeda Momna Ishtiaq, Junaid Ali Khan, **Rizwan Aslam**, Sultan Ali, Muhammad Imran Arshad. (2020). COVID-19 and comorbidities of hepatic diseases in a global perspective. **World Journal of Gastroenterology**. 27(13): 1296-1310. (**Impact Factor: 5.742**)
14. Zeeshan Nawaz, Bilal Aslam, Muhammad Asif Zahoor, Abu Baker Siddique, Azhar Rafique, **Rizwan Aslam**, Muhammad Usman Qamar, Sultan Ali, Mutshera ul Mubeen. (2020). Frequency of Extended Spectrum Beta Lactamase Producing Escherichia coli in

Fresh and Frozen Meat. **Pakistan Veterinary Journal**. DOI: 10.29261/pakvetj/2020.059
(Impact Factor: 1.318)

15. Tayyab ur Rehman, **Rizwan Aslam**, Amjad Islam Aqib, Mashkooor Mohsin, Asad Manzoor, Muhammad Shoaib, Muhammad Aamir Naseer, Ali Hasan, Huma Sattar, Muhammad Fakhar-e-Alam Kulyar, Iqra Muzammil, Wangyuan Yao. (2020). Phylogeny of hospital acquired MRSA, and its comparative phenotypic clinico-epidemiology with vancomycin resistant *S. aureus* (VRSA). **Microbial Pathogenesis**. 149:104537. (Impact factor : 2.914)
16. Kashaf Yaseen, Muhammad Sohail Sajid, Muhammad Imran Arshad, **Rizwan Aslam**, Sultan Ali*, Muhammad Saqib, Waseem Akram, Haider Abbas, Abdullah Malik, Umar Khalid, Faiz Ahmad Raza. (2020). Metagenomics of Mosquito-borne Flaviviruses in Various Geoclimatic Districts of Punjab, Pakistan. **Pakistan Veterinary Journal**. 40(4): 407-412. DOI: 10.29261/pakvetj/2020.091 (Impact Factor: 1.318)
17. Muhammad Ashraf, Sidra Anam, Faisal Rasheed Anjum, Sultan Ali, **Rizwan Aslam**. (2019). Detection of antibiotic resistance genes in *Lactobacillus* and its role in transferring these genes to *Salmonella*. **Pure and Applied Biology**. 8(3): 2007-2014.
18. Sultan Ali, Muhammad Imran Arshad, Fakiha Akhtar, Muhammad Saqib, **Rizwan Aslam**, Ghazanfar Abbas, Muhammad Ashraf, Sajjad Ur Rahman.(2017). Seroprevalence and Risk Factor Association of Feline Immunodeficiency Virus in Cats. **Pakistan Veterinary Journal**. 37(3) : 368-371. ISSN : 0253-8318 (Impact factor : 1.217)
19. Sabeen Gohar, Ghazanfar Abbas, Maliha Sarfraz, Sultan Ali, Muhammad Ashraf, **Rizwan Aslam**, Kashaf Yaseen. (2017). Prevalence and antimicrobial resistance of *Listeria monocytogenes* isolated from raw milk and dairy products. **Matrix Science Medica**. 1(1): 10-14.
20. Umer Khalid. Muhammad Ashraf, Sultan Ali, Attia Iram, **Rizwan Aslam**, Ghazanfar Abbas, Sajjad Ur Rahman, Kashaf Yaseen (2017). Isolation and Screening of Biodegrading Fungi from Kitchen Waste and Optimization of Physico-chemical Conditions for Enhanced Biodegradation. **Journal of Agriculture and Basic Sciences**. 02(01): 1-7. ISSN: 2518-4210
21. Adeela Iqbal*, Muhammad Shafi Hasni, Sajjad-ur-Rahman, **Rizwan Aslam** and Muhammad Kasib Khan. (2016). Preparation and Evaluation of Bacteriophage Lysate Specific for *Salmonella typhimurium*. **International Journal of Current Microbiology and Applied Sciences**. 5(11): 828-835.
22. Muhammad Zubair, Aitzaz Ahsan, Muhammad Ashraf, Sultan Ali, **Rizwan Aslam**, Sajjad Ur Rahman. (2016). Isolation and screening of polyethylene degrading fungi from solid waste material. **Journal of Agriculture and Basic Sciences**. 01(01): 1-6.
23. **Rizwan Aslam**, Benoît-Joseph Laventie, Céline Marban, Gilles Prévost, Daniel Keller, Jean-Marc Strub, Alain van Dorsselaer, Youssef Haikel, Corinne Taddei, Marie-Hélène Metz-Boutigue (2013). Activation of neutrophils by two component leukotoxin LukE/D from *Staphylococcus aureus*: a proteomic analysis of the secretions. **Journal of Proteome Research**. 12:3667–3678. (Impact Factor: 5.001)

24. **Rizwan Aslam**, Celine Marban, Christian Corazzol, François Jehl, François Delalande, Alain Van Dorsselaer, Gilles Prévost, Youssef Haïkel, Corinne Taddei, Francis Schneider, Marie-Hélène Metz-Boutigue. (2013) Cateslytin a chromogranin A derived peptide is active against Staphylococcus aureus and resistant to degradation by its proteases. **PlosOne**. 8(7):e68993. **(Impact Factor: 3.534)**
25. Gwenaëlle Cado*, **Rizwan Aslam***, Lydie Séon*, Tony Garnier, Roxane Fabre, Audrey Parat, Armelle Chassepot, Jean Claude Voegel, Bernard Senger, Francis Schneider, Yves Frère, Loic Jierry, Pierre Schaaf, Halima Kerdjoudj, Marie-Helene Metz-Boutigue, Fouzia Boulmedais. (2013). Self-defensive biomaterial coating against bacteria and yeasts: polysaccharide multilayer film with embedded antimicrobial peptide. **Advanced Functional Materials**. 23:4801–4809. **(Impact Factor: 10.439)**
26. **Rizwan Aslam***, Menonve Atindehou*, Thomas Lavaux, Youssef Haikel, Francis Schneider, Marie-Helene Metz-Boutigue (2012). Chromogranin A-derived peptides are involved in innate immunity. **Current Medicinal Chemistry**. 19:4115-4123. **(Impact Factor: 4.070)**

BOOKS / BOOK CHAPTERS / MANUALS:

1. Muhammad Shahid Mahmood, Sultan Ali, Noor Fatima, Mavra Chouhdary. **(2024)**. A concise laboratory manual of microbiology and Immunology. First edition. Eds. Muhammad Imran Arshad, Rizwan Aslam. **Society for Applied Research Aspects, Pakistan. ISBN: 978-969-23446-0-9.**
2. Noor Fatima, Muhammad Shahid Mahmood, Muhammad Naveed Anwar, **Rizwan Aslam**, Muhammad Imran Arshad, Zeeshan Nawaz, Muhammad Umar Zafar Khan, Mudassir Ali, Mavra Chouhdary and Sultan Ali*. **(2023)**. Bacterial Biofilms and their Regulatory Approaches. PP: 1-7. In: One Health Triad. Volume II. Ed. Rao Zahid Abbas, Nahla Mohammed Saeed, Muhammad Younus, Liliana Aguilar-Marcelino, and Ahrar Khan. **Unique Scientific Publishers, Faisalabad, Pakistan. ISBN: 978-969-2201-06-3.** <https://doi.org/10.47278/book.oh/2023.34>
3. Muhammad Adnan Liaqat, Muhammad Shahid Mahmood, Muhammad Numan Akram, Muhammad Imran Arshad, **Rizwan Aslam**, Muhammad Kasib Khan, Muhammad Umar Zafar Khan, Noor Fatima and Sultan Ali*. **(2023)**. Bacterial Biofilms and their Regulatory Approaches. PP: 8-17. In: One Health Triad. Volume II. Ed. Rao Zahid Abbas, Nahla Mohammed Saeed, Muhammad Younus, Liliana Aguilar-Marcelino, and Ahrar Khan. **Unique Scientific Publishers, Faisalabad, Pakistan. ISBN: 978-969-2201-06-3**
4. Saad Zafar, Muhammad Umar Zafar Khan, Muhammad Shahid Mahmood, Rao Zahid Abbas, Muhammad Numan Akram, Muhammad Naveed Anwar, Muhammad Imran Arshad, **Rizwan Aslam**, Mavra Chouhdary, Noor Fatima and Sultan Ali*. **(2023)**. *Clostridium difficile* Infection (CDI) in Human-Animal Interface: A One Health Perspective. PP: 201-208. In: One Health Triad. Volume II. Ed. Rao Zahid Abbas, Nahla Mohammed Saeed, Muhammad Younus, Liliana Aguilar-Marcelino, and Ahrar Khan. **Unique Scientific Publishers, Faisalabad, Pakistan. ISBN: 978-969-2201-06-3.** <https://doi.org/10.47278/book.oh/2023.61>

5. Sajjad Ur Rahman, Ghazanfar Abbas, Muhammad Shahid Mahmood, Faisal Rasheed Anjum, Muhammad Ashraf, Mashkoor Mohsin Gilani, **Rizwan Aslam**, Muhammad Aamir Aslam. (2020). A concise laboratory manual of systemic bacteriology. First edition. Eds. Sultan Ali, Muhammad Imran Arshad. **ISBN: 978-969-23446-0-8**.
6. Muhammad Tariq Javed, Ghulam Muhammad, Nazir Ahmad, Laeeq Akbar Lodhi, Zafar Iqbal, Sajjad-ur-Rahman, Ahmad Din Anjum, Faqir Muhammad, Zafar Iqbal Qureshi, Muhammad Sohail Sajid, Muhammad Kashif Saleemi, Farah Deeba, Bilal Aslam, Aisha Khatoon, Muhammad Imran, Muhammad Imran Arshad, **Rizwan Aslam**. (2018). Livestock and Poultry Health Issues and Way Forward. In: Developing Sustainable Agriculture in Pakistan. Iqrar Ahmad Khan, Muhammad Sarwar Khan (Ed.). **Taylor and Francis Group**. DOI: 10.1201/9781351208239-26
7. Sultan Ali*, **Rizwan Aslam**, Muhammad Imran Arshad, Muhammad Shahid Mahmood, Zeeshan Nawaz. (2021). Meat Borne Bacterial Pathogens. PP: 216-236. In: Veterinary Pathobiology and Public Health, Ed. Rao Zahid Abbas, Ahrar Khan. **Unique Scientific Publishers, Faisalabad, Pakistan. ISBN: 978-969-2201-00-1** <https://doi.org/10.47278/book.vpph/2021.018>
8. Ménonvè Mègnissè Atindehou*, **Rizwan Aslam***, Jean Francois Chich, Youssef Haïkel, Francis Schneider and Marie-Helene Metz-Boutigue. (2012). The natural antimicrobial chromogranins/secretogranins- derived peptides – production, lytic activity and processing by bacterial proteases, Antimicrobial Agents, Dr. Varaprasad Bobbarala (Ed.), ISBN: 978-953-51-0723-1, **InTech**, DOI: 10.5772/33263.

TECHNOLOGIES DEVELOPED AND PUBLISHED:

1. Sajjad Ur Rahman, **Rizwan Aslam**. 2016. BIOMOSKILL PLUS: Technology for the Control of Mosquito larvae population in water. **Innovation catalogue (101) UAF-2016**.

ABSTRACTS PUBLISHED:

- Number of abstracts published in international/national scientific conferences: **35**

NCBI SEQUENCE PUBLISHED:

- Number of gene sequences published: **09**

TRAININGS RECEIVED:

- Training on Bio-Risk Management held on 02-04 September 2020, Organized by Sandia National Laboratory and Pakistan Veterinary Medical Council
- International workshop entitled “COMSTECH – ICCBS international workshop on Chemical Safety and security in academic and industrial laboratories” on 24-25 August, 2021 organized COMSTECH – OIC ministerial standing committee on scientific and technological cooperation, Islamabad, Pakistan.

REVIEWER OF JOURNALS:

1. International Journal of Peptide Research and Therapeutics (Impact Factor Journal)
2. Pakistan Veterinary Journal (Impact Factor Journal)
3. Advances in Pharmaceutical Sciences (non-Impact Factor Journal)
4. Journal of Biology and Medicine (non-Impact Factor Journal)

RESEARCH PROJECTS:

Projects as PI

1. Investigation of potential antifungal peptides derived from indigenously isolated strains of Bacillus.
 - Amount : **4.488 Million PKR**
 - Funding Agency : **ALP-PARC**
 - Status : Ongoing
2. Determination of Biofilm forming ability of Mastitis causing Staphylococci using phenotypic assays.
 - Amount: **0.4945 Million PKR**
 - Funding Agency: **HEC (SRGP)**
 - Status: Completed

Projects as Co-PI

1. Seroprevalence of feline leukemia virus (FeLV) and feline immunodeficiency virus (FIV) infection among cats in Faisalabad, Pakistan.
 - Amount: **0.4991 Million PKR**
 - Funding Agency: **HEC (SRGP)**
 - Status: Completed

ADVISORY & ADMINISTRATIVE SERVICES RENDERED

1. Served as Assistant Superintendent, Liaquat Hall, University of Agriculture, Faisalabad (w.e.f. March 01, 2014 to August 18, 2015)
2. Served as **Secretary Board of Studies**, Institute of Microbiology, UAF. (w.e.f. 01 August 2016 to May 16, 2019).
3. Served as **Member Faculty Board of Studies**, Faculty of Veterinary Science, UAF. (w.e.f. March 16, 2018 to March, 2021).
4. Serving as **Focal person for learning management system (LMS)** for Institute of Microbiology, UAF. (w.e.f. 16 November 2016 to till date).
5. Served as **Member Synopsis Scrutiny Committee**, Institute of Microbiology, UAF, for academic year 2016-17.
6. Served as **Member inter-institutional collaborative research program**, Institute of Microbiology, UAF. (w.e.f. 05 April 2016 for a period of two years).
7. Serving as **Co-tutor Liaquat-5 TGM group, UAF** (w.e.f. January 20, 2017 to till date).
8. Served as **Co-advisor, DVM session 2019-2024, FVS, UAF** (From spring semester 2019-20 to spring semester 2020-21).
9. Serving as **Advisor, DVM session 2019-2024, FVS, UAF** (From winter semester 2021-22 to till date).

10. Serving as **Co-Advisor, B. Sc (Hons) Microbiology session 2019-2023, IOM, UAF** (From winter semester 2021-22 to till date).
11. Served as **Deputy Superintendent (Examination)** (2015 – 2017 and 2019) for undergraduate and diploma examinations, University of Agriculture, Faisalabad, Pakistan.
12. Served as **Member, courses revision committee**, vetted and revised course contents and course code according to recommendations of academic council for session 2016-17
13. Served as **Member Panel experts and internship evaluation committee** for DVM and B. Sc (Hons) Microbiology internship examination 2015 – 2019.
14. Served as **Member of Vigilance committee** examination (2015-2021).
15. Served as **Member, Ph. D oral comprehensive examination (2016 – 2021)**, Institute of Microbiology, University of Agriculture, Faisalabad.
16. Served as **Member, central admission scrutiny committee**, for undergraduate admission 2016-17 and postgraduate admission 2021-22.
17. Served as **Departmental Representative** in spring festival at University of Agriculture, Faisalabad Pakistan. (March, 2015 and 2017).
18. Served as **Deputy Superintendent during GRE/GAT (Subject)** for admission to postgraduate degree programs for academic year 2021-22.
19. Served as **Deputy Superintendent during admission entry test** for admission to undergraduate degree programs for academic year 2019-20 and 2021-22.
20. Served as **Member admission scrutiny committee** for postgraduate admission during academic session 2021-22
21. Served as **Member management committee**, Lyallpur art and literature festival-2018.
22. Served as **Vice president, and Member sports trail committee** for lawn tennis (2016 – 2021), sports board, UAF.