

Munib Ullah, DVM, M.Phil., PhD

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Home: Pakistan/China



- 10 years of multifaceted work experience in Vet. Epidemiology and Public health
- 5 years of experience in laboratory diagnostics and management
- Teaching and training of undergraduate and postgraduate students since 2016
- Global and country-level research in the domain of human & animal interface
- Cross-disciplinary scientific and research expertise

SKILLS & EXPERTISE

- Veterinary science
- Epidemiology
- Public Health
- Global Health threats investigation
- Zoonoses
- Emerging Infectious Diseases
- Transboundary Diseases
- One Health Strategy

EDUCATION

- **Ph.D (Preventive Veterinary Science, Epidemiology)** 2019-2023
Chinese Academy of Agricultural Sciences (CAAS), Beijing China
- **M.Phil. (Epidemiology and Public Health)** 2013-2015
University of Veterinary & Animal Science, Lahore Pakistan
- **Doctor of Veterinary Medicine (DVM)** 2008-2012
KPK Agricultural university Peshawar, Pakistan

PROFESSIONAL EXPERIENCE

- **Lecturer** 2016-Present
Department of Clinical Studies, Epidemiology Section,
PMAS Arid Agriculture University, Rawalpindi Pakistan
www.uair.edu.pk/vas/faculty_details.php?dept_id=19&fac_id=295
- **Visiting Lecturer** 2015-2016
Department of Animal Health
KPK Agricultural university Peshawar, Pakistan
- **Clinical Consultant and Epidemiologist** 2015-2017
Dairy Science Park – Veterinary Clinic and Marketing Center KPK, Pakistan
<http://dairysciencepark.org.pk/panel-of-experts>
- **High School Teacher** 2007-2008
SHAH WALIULLAH MODEL SCHOOL Bangladesh Mingora Swat Pakistan

CERTIFICATION

- **Fellowship Certificate on China Pakistan Economic Corridor (CPEC)** July 2024-Oct 2024
Government of Pakistan and Embassy of the People Republic of China, Islamabad
- **Advanced Agriculture Bio Risk Training certification** Aug 2018-Oct-2018
The University of TENNESSEE USA
- **Veterinary Clinical Procedures in Large and Small Animals Certification** Oct 2017-Dec 2017
PVMC/HEC and UVAS, Pakistan
- **BSL-2 Laboratory & Artificial Insemination tool certification** 2014-2015
USAID, USA and Agribusiness Support Fund, Pakistan

TEACHING EXPERIENCE

UNDER GRADUATE COURSES:

- **EPID-402 Veterinary Epidemiology & Public Health 4(2-2)**
PMAS Arid Agriculture University, Rawalpindi, Pakistan
- **MED-405 Technical Report Writing and Presentation 2(2-0)**
PMAS Arid Agriculture University, Rawalpindi, Pakistan
- **MED-304 Dairy Herd Health 2(1-2)**
PMAS Arid Agriculture University, Rawalpindi, Pakistan
- **THER-402 Introduction to Reproductive Biotechnology 2(2-0)**
PMAS Arid Agriculture University, Rawalpindi, Pakistan
- **MED-403 Medicine Clinic-I 2(0-4)**
PMAS Arid Agriculture University, Rawalpindi, Pakistan
- **MED-501 Medicine Clinic-III 2(0-4)**
PMAS Arid Agriculture University, Rawalpindi, Pakistan
- **EPID-301 Zoonoses and Food Safety 3(2-2)**
PMAS Arid Agriculture University, Rawalpindi, Pakistan
- **EPID- 501 Veterinary Epidemiology & Public Health 4(3-2)**
PMAS Arid Agriculture University, Rawalpindi, Pakistan

POST- GRADUATE COURSES:

- **MED-706 Epidemiological Approaches to Disease Investigation and Control 4(4-0)**
PMAS Arid Agriculture University, Rawalpindi, Pakistan
- **MED-709 Veterinary Public Health 4(3-2)**
PMAS Arid Agriculture University, Rawalpindi, Pakistan
- **MED-701 Design and Analysis of Clinical Trials 4(3-2)**
PMAS Arid Agriculture University, Rawalpindi, Pakistan
- **MED-708 Advanced Neonatology 3(3-0)**
PMAS Arid Agriculture University, Rawalpindi, Pakistan
- **MED-712 Advanced Readings in Veterinary Medicine 1(1-0)**
PMAS Arid Agriculture University, Rawalpindi, Pakistan
- **SURG-709 Advanced Readings in Veterinary Surgery 1(1-0)**
PMAS Arid Agriculture University, Rawalpindi, Pakistan

STUDENT MENTORING

2016-2024

PMAS Arid Agriculture University Rawalpindi, Pakistan

- Umar Khayam (16-Arid-2856) M.Phil. (Veterinary Surgery) 2023-2024
Supervised five (5) DVM undergraduate students 2024
Supervised five (5) DVM undergraduate students 2018
Supervised five (5) DVM undergraduate students 2017
Co-supervised five (5) DVM undergraduate students 2016

PERSONAL MEETINGS

- **4th World Conference on Sheep** 2024
Beijing, China
Ullah et al. Regional Seroepidemiology, Associated Risk Factors and GIS-Based Investigation of Pest des Petits Ruminants (PPR) in Pakistan's Northern Border Regions (oral presentation)
- **International Conferences on Major Transboundary Animal Diseases** 2023
Chengdu, China
Ullah et al. Regional Epidemiology and Associated Risk Factors of Pest des Petits Ruminants (PPR) in the Northern Border Regions of Pakistans (Oral presentation)
- **International Seminar** 2023
Lanzhou Gansu, China
Ullah et al. Regional Epidemiology and Associated Risk Factors of Pest des Petits Ruminants (PPR) and Foot and Mouth Disease (FMD) in the Northern Border Regions of Pakistan's (Oral presentation)
- **International Workshop on Prevention and Control of Animal Infectious Diseases** 2023
Lanzhou Gansu, China
Ullah et al. Regional Epidemiology and Associated Risk Factors of Pest des Petits Ruminants (PPR) and Foot and Mouth Disease (FMD) in the Northern Border Regions of Pakistan's (Poster presentation)
- **Training Workshop on "Advanced Agriculture Bio Risk Management"** 2018
Jakarta, Indonesia
Ullah et al. Surveillance for major poultry diseases in Barakoh Islamabad, Pakistan (Oral presentation)
- **3rd International Conference on Agriculture, Food and Animal Sciences (ICAFAS 2017)** 2017
Sindh, Pakistan
Ullah et al. GIS Based Investigation of Incidence of Animal Bite Injuries in Three Tehsil Headquarter Hospitals of District Swat, Khyber Pakhtunkhwa (KPK), Pakistan. (Oral presentation)
- **3rd International Conference on Agriculture, Food and Animal Sciences (ICAFAS 2017)** 2017
Sindh, Pakistan
Ullah et al. Crimean-Congo Hemorrhagic Fever a Threat to Public Health. (Oral presentation)
- **3rd International Conference on Agriculture, Food and Animal Sciences (ICAFAS 2017)** 2017
Sindh, Pakistan
Ullah et al. Incidence of Repeat Breeding in Cattle and Buffaloes of Pakistan. (Oral presentation)
- **Asian Buffalo Congress** 2015
Istanbul, Turkey
Ullah et al. Tick infestation rate in cattle and buffalo in different areas of Khyber Pakhtunkhwa, Pakistan (Poster presentation)

TRAINING & WORKSHOPS

Participation in more than Forty (40) national and international seminars, conferences, dialogues, workshops, trainings and symposiums (2016-2024)

PUBLICATIONS

1. **MunibUllah**, Li Y, Munib K and Zhang Z (2023). Epidemiology, host range, and associated risk factors of monkeypox: an emerging global public health threat. *Front. Microbiol.* 14:1160984. doi: 10.3389/fmicb.2023.1160984. IF=6.064.SCI, Q1
2. **Munibullah**, Habibullah, Rashid HB, Mushtaq MH, Sadiq S, Hasan S, Chaudhry M. Incidence of Animal-Bite Injuries Registered in Public Hospitals of Post-Conflict Swat District, Pakistan in 2014. *Am J Trop Med Hyg.* 2020 Oct 12;104(1):329-337. doi: 10.4269/ajtmh.20-0208. PMID: 33544696; PMCID: PMC7790077. IF=3.707.SCI, Q1
3. **Munibullah**, Li, Y., Munib, K., Zhang, Z., & Zhang, Z. (2024). Prevalence and associated risk factors of peste des petits ruminants in selected districts of the northern border region of Pakistan. *BMC Veterinary Research*, 20(1), 1-13. <https://doi.org/10.1186/s12917-024-04033-8>. IF=2.6. SCI, Q1
4. **MunibUllah**.; Li, Y.; Munib, K.; Rahman, H.U.; Zhang, Z. Sero-Epidemiology and Associated Risk Factors of Foot-and-Mouth Disease (FMD) in the Northern Border Regions of Pakistan. *Vet. Sci.* 2023, 10, 356. <https://doi.org/10.3390/vetsci10050356>. IF=2.518. Q1
5. **Munibullah**, Y. Li, K. Munib, Z. Zhang. (2022). Regional epidemiology and associated risk factors of PPR in Asia-A Review. *Slovenian Veterinary Research*, 59 (2): 75–87. DOI 10.26873/SVR-1464-2022. IF= 0.922.
6. Wu, Yongshu, Yang Yang, Xiaodong Qin, Zhixiong Zhang, **Munib Ullah**, Yanmin Li, and Zhidong Zhang. "Unfolded proteins in the mitochondria activate HRI and inhibit mitochondrial protein translation." *Cellular Signalling* (2024): 111353. IF=4.4, SCI, Q1
7. **Munibullah**, Yousaf A, Shah MA, et al. Crimean–Congo hemorrhagic fever a threat to public health. *J Bacteriol Infec Dis.* 2018;2(1):1-7
8. Rahman, Sajid Ur, Rongsheng Mi, Shasha Zhou, Haiyan Gong, **Munib Ullah**, Yan Huang, Xianghan Han, and Zhaoguo Chen. "Advances in therapeutic and vaccine targets for *Cryptosporidium*: challenges and possible mitigation strategies." *Acta Tropica* (2021): <https://doi.org/10.1016/j.actatropica.2021.106273>. IF=3.222 SCI, Q1
9. **Munibullah**., A.Yousaf, M.A. Zafar., M. Yaqoob, Z. Naseer., M. Nawaz., and A. Khan. 2017. Canine parvovirus infection in dog: a case report. *J. Appl. Agric. Biotechnol.* 2(1): 26-28.
10. **Munibullah**, Arfan yousaf and Ayaz Hassan. 2017. Epidemic Diseases of Animals, their Control and Prevention Stratigies. Baran-Pub- PMAS-AAUR. Vol. No. 02, Serial No.1-2 Page No. 148-150.
11. **Munibullah**, 2017.Cloning What, Why and How? Baran-Pub- PMAS-AAUR. Vol. No. 03, Serial No.3-4 Page No. 80-82.
12. **Munibullah**, 2018. Swine Flu. Baran-Pub- PMAS-AAUR. Vol. No. 03, Series No. 01 Page 80-81
13. **Munibullah et al.**, 2019, Rectal and Vaginal Prolapse in Sheep: A Case Report, *FUUAST J.BIOL.*, 9(1): 171-173.
14. Anwar K., H. Uddin, Hamidullah, **Munibullah**, T. Akhtar. Milk Yield, Feed Intake and Weight Gain of Cross Bred Lactating Dairy Cattle Fed Concentrate Ration with Varying Levels of Molasses. *J. Vet. Anim. Sci.* (2014), Vol. 4 No. (1): 1-4.
15. Amjad khan¹, Muhammad Hassan Mushtaq², Mansoor uddin Ahmad³, Yasin Tipu⁴, Asghar khan⁵, Munibullah⁶. Tick Infestation Rate in Cattle and Buffalo in Different Areas of Khyber Pakhtunkhwa, Pakistan. *J. Vet. Anim. Sci.* (2013), Vol. 3 No. (1-2): 31-35.
17. Maan, M. K., Mustafa, G., **Munibullah**, & Umar, S. (2019). Bovine's Ocular Squamous Cell Carcinoma: Clinico-pathological Report of Twenty-Five Cases. *PAKISTAN JOURNAL OF ZOOLOGY*, 51(1), 387-389. DOI: <http://dx.doi.org/10.17582/journal.pjz/2019.51.1.SC9>. IF=

0.687, SCI

18. Shahid Jaleel, Muhammad Younus, Asif Idress, Muhammad Arshad, Aman Ullah Khan, Syed Ehtisham-ul-Haque, Muhammad Irfan Zaheer, Muhammad Tanweer, Farhan Towakal, **Munibullah**, Muhammad Yasin Tipu, Muhammad Luqman Sohail, Sajid Umar.2017. Pathological alterations in respiratory system during co-infection with low pathogenic avian influenza virus (H9N2) and Escherichia coli in broiler chickens. J Vet Res 61, 253-258, 2017 DOI: 10.1515/jvetres-2017-0035. IF. 0.462.
19. Nawaz, M., Khan, I., Shakeel, M., Yousaf, A., Naseer, Z., **Munibullah**, A.Z., Hussain, R. and Ullah, Q., Bovine and Caprine Brucellosis Detected by Milk Indirect ELISA and Milk Ring Test in Islamabad Capital Territory, Pakistan. Pakistan J.Zool., pp1-4, 2021. DOI: <https://dx.doi.org/10.17582/journal.pjz/20190906150953>. IF= 0.687.
20. Khan MA., M.H. Mushtaq, **Munibullah***, M.R. Sohoo, M. Nawaz, A. khana, and H. Sadia.2016. Incidence of Repeat Breeding in Cattle and Buffaloes of Pakistan. J.Vet.Vol.4 (1): 18-20.
21. Hussain Z., K. Sarzamin, A. Yousaf, N. Ahmad, Rafiullah and H.S. **Munibullah***. 2016. Pregnancy diagnosis in dairy animals through inhibition of seed germination. J. Appl. Agric. Biotechnol., 1(2): 77-82.
22. Alam S., S. Khan, N. Ahmad, Rafiullah, F. Tahir, H. Sadia, **Munibullah***. 2016. Comparative Efficacy of three Newcastle Disease Vaccine Strain in Layers. J.Vet.Vol. 4(2): 4-8.
23. Tick infestation rate in cattle and buffalo in different areas of Khyber Pakhtunkhwa, Pakistan. (Asian Buffalo Congress (Book of Abstracts) Istanbul, Turkey April 21-25, 2015) Mansur Ud Din AHMAD, Amjad KHAN, Muhammad Hassan MUSHTAQ, Yasin TIPU, Asghar KHAN, **MUNIBULLAH**, Muhammad NISAR. Page no 15.
24. GIS Based Investigation of Incidence of Animal Bite Injuries in Three Tehsil Headquarter Hospitals of District Swat, Khyber Pakhtunkhwa (KPK), Pakistan. (3rd International Conference on Agriculture, Food and Animal Sciences (ICAFAS 2017) (Book of Abstracts) Sindh Agriculture University, Tandojam January 10-11, 2017). ***Munibullah**, Mamoona Chaudhry, Habibullah, Hamad Bin Rashid and Muhammad Hassan Mushtaq.
25. Crimean-Congo Hemorrhagic Fever a Threat to Public Health. (3rd International Conference on Agriculture, Food and Animal Sciences (ICAFAS 2017) (Book of Abstracts) Sindh Agriculture University, Tandojam January 10-11, 2017). **Munibullah***, Arfan Yousaf, Muhammad Ali Shah, Habibullah, Halima Sadia and Mujeeb Ur Rehman Sohoo.
26. Incidence of Repeat Breeding in Cattle and Buffaloes of Pakistan. (3rd International Conference on Agriculture, Food and Animal Sciences (ICAFAS 2017) (Book of Abstracts) Sindh Agriculture University, Tandojam January 10-11, 2017). Muhammad Athar khana, Muhammad Hassan Mushtaq, **Munibullah***, Mujeeb Ur Rehman Sohoo, Muddusar Nawazb, Amjad khana, and Halima Sadiad.

UNDERDEVELOPMENT/UNDER REVIEW

1. **Munibullah**, Yanmin Li, Kainat Munib, Ayesha Tariq, Yongqiang Lin and Zhidong Zhang (2024). Occurrence, spread and associated risk factors of lumpy skin disease virus in Asian subcontinents (*under review in Frontiers of Veterinary Science*).
2. **Munibullah**, Rafia Bibi, Kainat Munib, Yanmin Li, Zhaidong Zhang (2024). Animal Host Range and One Health Mitigation Strategies of Covid-19: A Global Public Health Concern (*under development for Frontiers in Microbiology*)
3. **Munibullah**, Ayesha Tariq, Kainat Munib, Yanmin Li, Zhedong Zhang (2024). Milk adulteration and its Impact Public Health in and around Rawalpindi District of Northern Punjab, Pakistan (*under development for Public Health*)
4. **Munibullah**, Yanmin Li, Kainat Munib, Ayesha Tariq and Zhidong Zhang (2024). Advancement in monitoring and surveillance of vector borne diseases in domestic and wild animals: A Review(*under development for transboundary and emerging diseases*)

BOOK CHAPTER

1. “**Ullah M**, Li Y, Munib K and Zhang Z (2023). Epidemiology, host range, and associated risk factors of monkeypox: an emerging global public health threat. *Front. Microbiol.* 14:1160984. doi: 10.3389/fmicb.2023. “Frontiers e-book Zoonoses- A Rising Threat to Healthcare System | Frontiers Research Topic (frontiersin.org)”.
2. **Munibullah**, Rahman HU, Akram MS, Khan R, Rahman H, Abbas T, Munib K, Tariq A, Usman M and Zafar MA, 2024. Ethno-veterinary practices for disease control in Pakistan. In: Khan A, Mohsin M, Khan AMA and Aziz S (eds), *Complementary and Alternative Medicine: Chinese/Traditional Medicine*. Unique Scientific Publishers, Faisalabad, Pakistan, pp: 219- 225. <https://doi.org/10.47278/book.CAM/2024.386>
3. “Shahzad MN, Akram R, Bukhsh A, **Munibullah**, Kiran B, Raza AS and Zafar MA, 2023. Paratuberculosis; A Potential Zoonosis. In: Altaf S, Khan A and Abbas RZ, *Zoonosis*, Unique Scientific Publishers, Faisalabad, Pakistan, Vol 4: 70-81. <https://doi.org/10.47278/book.zoon/2023.139>”.
4. “Javed Z, Khan MA, **Munibullah**, Abbasi UBM, Rehmat T, Khan S and Zafar MA, 2023. Monkeypox: an emerging global threat. In: Aguilar-Marcelino L, Zafar MA, Abbas RZ and Khan A, *Zoonosis*, Unique Scientific Publishers, Faisalabad, Pakistan, Vol 3: 407-419. <https://doi.org/10.47278/book.zoon/2023.112>”.
5. Rahim MF, Raza AS, **Munibullah**, Kiran B, Somal S, Pasha RH, Khan MA, Naqvi FZ, Tahir AH and Zafar MA, 2024. Traditional Chinese medicine for the treatment of sepsis. In: Khan A, Mohsin M, Khan AMA and Aziz S, *Complementary and Alternative Medicine: Chinese/Traditional Medicine*. Unique Scientific Publishers, Faisalabad, Pakistan, pp: 197-206. <https://doi.org/10.47278/book.CAM/2024.387>
6. Zhidong Zhang, Yanmin Li, Meera Prajapati, Munibullah, Rui Zhang “Host Spectrum of Peste des Petits Ruminants Virus” (Under Review Process in International Publisher)
7. Two books i.e. “*Introduction and Laboratory Exercises of Epidemiology*” and “*Principle of writing technical reports*” are under compilation for publication in international publishers.
8. Two Book chapter under review and Compilation process for Unique Scientific Publishers, Faisalabad, Pakistan.

RESEARCH SUPPORT / PROJECTS

Master research award (PI: Prof. Mamoona Chaudhary)

Department of Epidemiology and Public Health, University of Veterinary & Animal Science, Lahore Pakistan

- Incidence of Animal Bite Injuries in Three Tehsil Headquarter Hospital of District Swat, Pakistan

Role: M.Phil scholar

PhD fellowship Award (PI: Prof. Zhidong Zhang)

CAAS, 2019Y90100084/CSC, Chinese Academy of agricultural Sciences, Beijing China

- Regional epidemiology and associated risk factors of pest des petits ruminants and foot-and-mouth disease in the northern border regions of Pakistan.
- 巴基斯坦北部边境地区小反刍兽疫和口蹄疫流行病学调查及其相关风险因素分析 (2019-2023).

Role: PhD Scholar

Project Completion Award (PI: Prof. Zhidong Zhang; Co-PI: Dr. Munibullah)

CAAS, 2019Y90100084/CSC, Chinese Academy of agricultural Sciences, Beijing China; Epidemiology Section, Department of Clinical Studies, FV&AS, PMAS-AAUR, Pakistan

- Seroepidemiology and associated risk factors of foot-and-mouth disease in the northern border regions of Pakistan (2022-2023).

Role: Co-PI

China Pakistan Economic Corridor (CPEC) fellowship Award (PI: Mr. Shakeel

Ahmad Ramay)

Asian Institute of Eco-Civilization, Research and Development (AIERD) Pakistan and Embassy of China

- Understanding China Pakistan Mutual coordination for sustainable development in the region in various scientific, cultural, industrial, and environmental domains (2024)

Role: CPEC Fellow

***Submitted Projects:**

- Serological Investigation of Antibodies to Peste des Petits Ruminants Virus (PPRV) in Buffaloes in Pothwar Region, Northern Punjab, Pakistan; A potential sentinel for PPR Eradication. Submitted to National Science Foundation China (NSFC) in category of RIFC-2024. (巴基斯坦旁遮普省北部 Pothwar 地区水牛体内小反刍兽疫病毒 (PPRV) 抗体的血清学调查 ; 根除小反刍兽疫的潜在哨兵) (under review, 2024)
- Investigating the role of buffaloes in the transmission dynamics of Pest des Petitis Ruminants in Pakistan”. Submitted to Office of Research Innovation and Commercialization-AAUR and Ministry of Agriculture and Dairy Development, Government of Punjab, Pakistan. (under review, 2024)

HONORS & AWARDS

- Competitively awarded **CPEC fellowship award** by Pakistani and Chinese Authorities Under CPEC (2024)
- Competitively awarded 4-year **PhD fellowship** award by CAAS-China & China Scholarship Council CSC-China for Doctoral studies in China (2019-2023)
- **Chancellor’s award** for securing first position in “Master degree” (2012-2015), CGPA 3.98 out of 4.0
- **Chancellor’s award entitled “Ummed e Pakistan Talent Tribute”** for securing first position in before “Undergraduate program” (2008)
- **Certificate of excellence** (Lion of 5th laureate Award) in recognition of outstanding achievements in the field of Education (2000).
- Presented research work in various conferences held in China, Turkey, Indonesia and Pakistan.

