

ARFAN AHMAD (DVM, MSc (Hons) -Microbiology, PhD-Microbiology)

Professor/In-charge UDL

Institute of Microbiology, University of Veterinary and Animal Sciences, Lahore 54000, Pakistan

Technical Assessor, Pak National Accreditation council: ISO 17025:2017

IFBA certified Professional

Member National Disease Control Committee, Pak Poultry Association

Ex-Production Manager, Poultry vaccine production unit-Ottoman Pharma, Lahore

E. mail: iffivet@uvas.edu.pk; Cell: 0092-300-5517500**Teaching and Research:**

Teaching various undergraduate and postgraduate courses and research on pathogens of Poultry and Livestock. Beside teaching and research, diagnosis of various diseases of poultry and Livestock is also one of the areas of concern.

Employment History:

Professor of Microbiology	(2022 – to-date)
Associate Professor of Microbiology	(2018 – 2022)
Assistant Professor of Microbiology	(2013 - 2018)
Lecturer of Veterinary Disease Diagnostics	(2006 – 2012)

Honors, Awards and Professional Memberships:

- Member of the **125th year History Book Committee** of UVAS
- HEC Scholarship for one year **PhD split program**
- Completed 2 research projects as **PI** and one national research project of worth over 20 million is under process
- Completed 3 Internationally funded research projects as team member
- Working in **UVAS-24/7 Extension services**
- Membership, Pakistan Veterinary Medical Council (**PVMC**)
- Lifetime Membership, Pakistan Society of Parasitology (**PSP**)
- Lifetime Membership, Pakistan Biological Safety Association (**PBSA**)
- Member BS (Hons) Microbiology internship Placement
- Secretary UVAS harassment committee
- Convener UVAS auction committee
- Secretary PhD synopsis committee, UVAS
- Technical Assessor, ISO17025:2017
- IFBA certified professional
- Member intuitional biosafety committee, UVAS
- Focal person UVAS Turnitin accounts

Research Projects:

1. Development and Evaluation of Bovine Ephemeral Fever (BEF) Vaccine. Funded by PARB 19.54 millions Rs. 2024-2027 (PI)
2. In depth genetic diversity and molecular epidemiology of newly emerging Bovine Leukemia virus (BLV) in dairy animals of Punjab and development of strategies to control disease in Pakistani herds. Funded by higher Education Commission, Pak.3.9 millions Rs. (PI)
3. Mapping an in-depth genetic diversity of infectious Bronchitis virus (IBV) in Pakistan and development of serotype-matched recombinant IBV vaccine. (CO-PI)
4. Molecular approach to use Avian cytokines for the control of indigenous avian influenza H9N2 in commercial Poultry.
5. Molecular characterization of bovine pestivirus isolates from dairy animals of Pakistan and their use in diagnostic, biosecurity and biological development to control disease in Pakistani herds. (PI)
6. Defense Threat Reduction Agency, USA (2010-15). Spatial ecology and epidemiology of soil-borne human and animal bacterial pathogens and its public health significance in Pakistan. Funded by PennState University, USA. \$ 3,60,000(Team Member)
7. A Metagenomic Approach to unbiased identification of pathogens endemic to Pakistan Funded by PennState University, USA, \$ 5,90000 (Team Member)
8. Characterization of *Mycoplasma gallisepticum* isolates from Pakistan and their use in production of biologics. BEP, USA under PAK-US S&T Coop.Program \$ 2,25,440 (Team Member)

Selected Peer-reviewed Publications:

1. Shakil Abbas, Aamir Ghafoor, **Arfan Ahmad**, Muhammad Zahid Iqbal, Muhammad Hassan Mushtaq (2026). Detection and genetic characterization of circulating bovine leukemia virus in dairy cattle from Punjab, Pakistan Microbial Pathogenesis 210 (2026) 108175
2. Jawad Ashfaq, Muti-Ur-Rehman Khan, Asim Aslam, **Arfan Ahmad**, Adeel Sattar, Waqas Ahmad (2025). Dual evaluation of Citrullus colocynthis fruit extract for anti-rheumatic activity: integrating in silico docking and in vivo murine RA model analysis. Inflammopharmacology
3. Aatif Masood Ahmad Khan, Masood Rabbani, **Arfan Ahmad**, Muhammad Wasim and Sohail Raza (2024) Molecular Characterization of Indigenous Isolates of *Avibacterium paragallinarum* and Media Optimization of its Growth for Vaccinal Seed Production. Pakistan J. Zool., vol. 56(4), pp 1569-1575, 2024
4. Quart ul Ain, **Arfan Ahmad**, Aftab Ahmad Anjum and Mamoon Chaudhry (2024). Viral Shedding Evaluation is Critical for Determining Efficacy of Avian Influenza (H9) Vaccines in Broiler Chickens. Pakistan J. Zool., vol. 56(4), pp 1569-1575, 2024
5. Hafiz M. A.-ul-Haq, Muhammad Yasin T., Raheela A. and **Arfan A.** (2023) Histopathology: A technique for confirmatory diagnosis and monitoring of inclusion body hepatitis infections in commercial poultry. Pak. J. Agri. Sci., Vol. 60(1), 163-175; 2023 ISSN (Print) 0552-9034, ISSN (Online) 2076-0906 DOI:10.21162/PAKJAS/23.129.
6. Qurat-ul-Ain, **Arfan A.**, Farhat N.A, Masood R and Muhammad, H. M (2022) Molecular characterization and phylogeny of bovine viral diarrhea virus isolated from persistently infected exotic cattle in Punjab, Pakistan" Published in "Pakistan Journal of Agricultural Sciences" Vol. 59(4), 677-683: 2022
7. Qurat-ul-Ain, **Arfan A.**, Farhat N.A, Masood R and Muhammad, H. M (2022) Sero-epidemiology and evaluation of first self-prepared bovine viral diarrhea virus vaccine in cattle of Punjab, Pakistan" accepted for Publication in "Pakistan Journal of Zoology
8. Quart ul.A, **Arfan A.**, Aftab A.A and Mamoon Ch. (2023) Transmissibility of H9 subtype of avian influenza virus in vaccinated and non-vaccinated broiler chicken exposed to experimentally challenged birds. Accepted in The Japs.
9. Jaspal, M. H., Badar, I. H., Usman Ghani, M., Ijaz, M., Yar, M. K., Manzoor, A., & **Ahmad, A.** (2022). Effect of Packaging Type and Aging on the Meat Quality Characteristics of Water Buffalo Bulls. Animals, 12(2), 130.
10. Ijaz, M., Ali, M. M., Awan, F., Ishaq, M., & **Ahmad, A.** (2022). FMD virus spillover from domestic livestock caused outbreak in captive wild ungulates: First report from Pakistan. Acta Tropica, 231, 106439.
11. Jaspal, M. H., Ijaz, M., Akhtar, M. J., Nasir, J., Ullah, S., Badar, I. H., & **Ahmad, A.** (2021). Effect of carcass electrical stimulation and suspension methods on meat quality characteristics of Longissimus lumborum of young buffalo (*Bubalus bubalis*) bulls. Food Science of Animal Resources, 41(1), 34.
12. R.M. Ramiz, **A. Ahmad**, A. Ghafoor, M.Avais, Qurat-ul-Ain, M. Zahid. Genotype detection and sero- prevalence of Bovine Leukemia Virus along with associated risk factors in Exotic and local breeds of cattle in and around Lahore, Punjab, Pakistan. Pakistan J. Zool. Pp 1-4 2021
13. Siddiq, H. M. U., Ahmad, A., Anjum, A. A., Chaudhary, M., & Hussain, I. (2020). Fungal Load, Coliform and Aflatoxins in Wheat Flour of Lahore Metropolitan City. Abasyn Journal of Life Sciences, 3(2).
14. Nadeem, S. M., Aslam, A., Sheikh, A. A., Ahmad, A., & Anees, M. (2020). Molecular characterization and phylogeny of chicken anemia virus detected in broiler poultry flocks in Punjab, Pakistan. Pakistan Journal of Zoology, 52(1), 421.
15. Raza, Z. H., Nadeem, A., Javed, M., Hassan, F. U., Shehzad, W., Ahmad, A., ... & Ali, M. M. (2020). Polymorphic status and phylogenetic analysis of myostatin gene in pak-thoroughbred. Genetika, 52(3), 1281-1290.
16. Hammad-ur-Rehman, Ahmad A, Rabbani M, Tipu M. 2020. Comparison of analytical sensitivity and specificity of reverse transcription loop-mediated isothermal amplification (RT-LAMP) and reverse transcription polymerase chain reaction (RT-PCR) for detection of local Pestivirus A. JAPS: Journal of Animal & Plant Sciences. 30(1)
17. A.Raheem, A. Ahmad, M. Rabbani, A.Ghafoor, A.A. Anjum, M. Avais, Qurat-ul-Ain, R.M. Ramiz and H. Ur-Rehman. Determination of Seroprevalence and associated risk factors of Bovine Viral Diarrhea Virus (BVDV) in Bovine population from southern Punjab, Pakistan, JAPS, 2020 March 25, DOI:10.36899/JAPS.2020.3.0064
18. Malik Z, Ahmad A, Anjum AA, Aslam A, Shabbir MZ, Ghafoor A, Muhammad J, Avais M, Ahmad N, Saleem MH, Rabbani M. In process quality control factors affecting the quality of locally prepared salmonella gallinarum antigen. JAPS, Journal of Animal and Plant Sciences. 2018 Apr 1; 28(2):656-9.
19. J. Muhammad, M. Rabbani, K. Muhammad, M. Wasim, K. Dewan, AA. Anjum, AA. Sheikh, A. Ahmad, F. Akhtar, M. Nisar, I. Khattak, B. M. Jayarao, G. S Kirimanjeswara 2017: Lipopolysaccharide gene based development and optimization of diagnostics for Francisella tularensis, J Ani. Plant Sci, 27(4):1116-1166

20. J. Muhammad, M. Rabbani, K. Muhammad, M. Wasim, A. Ahmad, AA Sheikh, F. Akhtar, A. Rasool, I. Khattak, T. Bashir, Z. Islam, M. Rasheed 2017: Physicochemical factors affecting persistence of *Francisella tularensis* in soil" *J Ani. Plant Sci*, 27(3):1047-1050
21. F.Akhtar, M. Rabbani, K. I. Muhammad, M. Younus, AA.Sheikh, A. Ghafoor, A Ahmad, J.Muhammad, A. Rasool, A.Y.Shaheen 2016: Comparative antibiotic resistance profile of the multidrug resistant *E. coli* isolated from commercial and backyard poultry *J Ani. Plant Sci*, vol 26(6): 1628-1632.
22. A. Rasool, S. Akhtar¹, K. Muhammad, M. Rabbani, A. A. Anjum, J.Muhammad, A.Ahmad, A.A.Sheikh, F. Liaqat, F. Akhtar, R. Tahir). (2016): Comparative Evaluation Of Factors Affecting Hemagglutinatingactivity Of Avian Influenza (H9) Virus. *Turk J Vet Anim Sci* 40: 102-106
23. Shabbir MZ, Akram S, Hassan Z, Hanif K, Rabbani M, Muhammad J, Chaudhary MH, Abbas T, Ghori MT, Rashid H, Jamil T, Islam Z, Rasool H, Bano A, Ahmad A, Ali MA, Yaqub T, McVey W, Jayarao BM 2016: Evidence of *Coxiella burnetii* in Punjab province, Pakistan. *Acta Tropica*. 163: 61 – 69.DOI: 10.1016/j.actatropica.2016.07.017
24. Shabbir MZ, Akhtar S, Tang Y, Yaqub T, Ahmad A, Mustafa G, Alam MA, Santhakumar D, Nair V and Munir M 2016: Infectivity of wild bird-origin avian paramyxovirus serotype 1 and vaccine effectiveness in chickens. *Journal of General Virology*. 97 (12): 3161–3173 DOI: 10.1099/jgv.0.000618
25. Z. Shabbir, T. Jamil, M. Asad, A. Ali, A. Ahmad, M. Naeem, M. H. Chaudhary, M. Bilal, M.A. Ali, K. Muhammad, T. Yaqub, A. Bano, A.I. Mirza, M.A.B. Shabbir, W.R. McVey, K. Patel, S. Francesconi, B.M. Jayarao and M. Rabbani (2015) Prevalence and distribution of soil-borne zoonotic pathogens in Lahore district of Pakistan. *Frontiers in Microbiology* ISSN: 1664-302X, 6 (917): 1-9
26. A. Raza, A. Ahmad, M. Rabbani, A. Mahmood, M. Younus, Z. Ali and A. Ahad (2015) Optimization of quality control factors for indigenous *Mycoplasma gallisepticum* bacterin preparation and their impact on immunoprophylaxis in broilers. *PVJ*, ISSN 0253-8318 (PRINT) ISSN 2074-7764 (ONLINE)
27. A. Ahmad, M. Rabbani, K. Muhammad, M. Younus, M. Z. Shabbir, A. Ghafoor, A. A. Anjum, J. Nazir, M. K. Saleemi, J. Muhammad, A. A. Ali and A. Cepica. 2014: applications of antigen capture elisa and immunohistochemistry for detection of bovine viral diarrhoea persistent infection. *Journal of Animal and Plant Sciences*. 24(4): .1019-1025
28. Muhammad Kashif Saleemi, Muhammad Fayyaz UI Hussan, Muhammad Zargham Khan, Ahrar Khan, Rao Zahid Abbas and Arfan Ahmad. Hemato-Biochemical Effects of Colistin Administered Intramuscularly in Growing Broiler Birds. *Pakistan Veterinary Journal*. 34(1): 78-81
29. Ahmad A, Rabbani M, Younus M, Zahid MN, Javed A, Ghafoor A (2014). Diagnostic approaches for detection of bovine viral diarrhoea virus persistent infection. *J. Inf. Mol. Biol.* 2 (4): 53 – 60
30. Muhammad Zubair Shabbir, Siamak Zohari,Tahir Yaqub, Jawad Nazir,Muhammad Abubakr Shabbir,Nadia Mukhtar, Muhammad Shafee, Muhammad Sajid, Muhammad Anees, Muhammad Abbas, Muhammad Tanveer Khan, Asad Amanat Ali,Aamir Ghafoor,Abdul Ahad, Aijaz ALI Channa, Aftab Ahmad Anjum, Nazeer Hussain, Arfan Ahmad, Mohsan Ullah Goraya, Zahid Iqbal, Sohail Ahmad Khan, Hassan bin Aslam, Kiran Zehra,Muhammad Umar Sohail, Waseem Yaqub Nisar Ahmad, Mikael Berg,and Muhammad Munir.2013: Genetic diversity of Newcastle disease virus in Pakistan: a countrywide perspective. *Virology Journal*. 10:170-179
31. Ahmad A, Rabbani M, Shabbir MZ, Muhammad K, Yaqub T, Saleemi MK, Khalid RK, Shabbir MA, Alvi SY. Comparative Suitability of Ear Notch Biopsy and Serum Pairs for Detecting Nature of Bovine Viral Diarrhoea Virus Infection in Dairy Herds. *Pakistan Veterinary Journal*. 2012 Jul 1;32(3).
32. Ahmad A, Rabbani M, Muhammad K, Shabbir MZ, Yaqub T, Munir K, Akhter F, Cepica A. Prevalence of bovine viral diarrhoea virus persistency in 12 Holstein cattle dairy herds of Charlottetown, Canada. *Pakistan Journal of Zoology*. 2011;43(2):255-61.
33. Ali H, Ahmed A, Ali AA, Atta MS, Hanna P, Cepica A. Detection, genotyping, and antigen distribution of bovine viral diarrhoea virus in archival formalin fixed paraffin embedded tissues. *Revue de Médecine Vétérinaire*. 2012;163(5):219-26.
34. Ahmad A, Rabbani M, Muhammad K, Shabbir MZ, Yaqub T, Munir K, Akhter F, Cepica A. Prevalence of bovine viral diarrhoea virus persistency in 12 Holstein cattle dairy herds of Charlottetown, Canada. *Pakistan Journal of Zoology*. 2011;43(2):255-61.
35. Shabbir MZ, Rabbani M, Ahmad A, Yaqub T, Muhammad K, urRehman Z. Detection of rabies virus from equines showing nervous signs. *Pakistan J. Zool*. 2011 Jun 1;43(3):608-11.
36. Shabbir MZ, Nazir MM, Maqbool A, Lateef M, Shabbir MA, Ahmad A, Rabbani M, Yaqub T, Sohail MU, Ijaz M. Seroprevalence of *Neosporacanium* and *Brucella abortus* in dairy cattle herds with high abortion rates. *Journal of Parasitology*. 2011 Aug;97(4):740-2.
37. Shabbir MZ, Rabbani M, Ahmad A, Ahmed A, Muhammad K, Anwar I. Comparative evaluation of clinical samples from naturally infected dogs for early detection of canine distemper virus. *Turkish Journal of Veterinary and Animal Sciences*. 2011 Feb

38. Shabbir MZ, Rabbani M, Yaqub T, Ahmad A, Zia-ur-Rehman US. Comparative clinical epidemiology of toxocariasis in dogs and cats. *Pakistan Journal of Zoology*. 2010 Apr 1;42(2):129-33.
39. Shabbir MZ, Rabbani M, Muhammad K, Ahmad A, Anwar I, Yaqub T. Detection of Canine Distemper Virus from Lymphopenic Dogs by RT-PCR Amplification of Nucleoprotein Gene. *Pakistan J. Zool.* 2009;41(5):424-8.
40. Shabbir MZ, Rabbani M, Yaqub T, Ahmad A, Akhtar F, Muhammad K, Hussain M, Ahmad M. Trend in isolation and antimicrobial susceptibility of mastitis causing pathogens of Nili Ravi Buffalo. *Pakistan J. Zool. Suppl. Ser.* No.9, pp. 273-279, 2009
41. Ahmad A, Rabbani M, Yaqoob T, Ahmad A, Shabbir MZ, Akhtar F. Status of IgG antibodies against *Mycoplasma gallisepticum* in non-vaccinated commercial poultry breeder flocks. *Int. J. Poult. Sci.* 2008 Jan 1;18(2-3):61-3.
42. Hussain M, Mehmood M, Ahmad A, Shabbir M, Yaqub T. Factors affecting hemagglutination activity of avian influenza virus subtype H5. *J Vet Anim Sci.* 2008;1:31-6
43. Shabbir MZ, Ghafoor AA, Ahmad AR, Anjum AA, Yaqub TA. Immunomodulatory effect of polyimmune (*Astragalus membranaceus*) extract on humoral response of layer birds vaccinated against Newcastle disease virus. *Int. J. Agri. Biol.* 2008;10(5):585-7.
44. Ahmad A, Hanif A, Shahid A, Najeeb MI, Ahmad MD. Study of disease outbreak in layer flocks in and around Samundri area. *Pakistan Journal of Life and Social Sciences.* 2008;6:59-62
45. Shahid MA, Siddique M, Abubakar M, Arshed MJ, Asif M, Ahmad A. Status of oxytetracycline residues in chicken meat in Rawalpindi/Islamabad area of Pakistan. *Asian J. Poult. Sci.* 2007;1(1):8-15.
46. Khalid G, Muhammad K, Rabbani M, Ahmad A, Khan S.A. *Passive immunization against hydropericardium syndrome in chicken.* *Pakistan Journal of Science* (Vol. 56, 1-2, 2004).
47. Maqbool A, Hayat CS, Tanveer A, Ahmad I. Prevalence and ecology of *Lymnaea* snails in Punjab. *Iranian Journal of Veterinary Research.* 2003;4(2):132

Abstracts Published:

- Hammadur Rehman, **Arfan Ahmad**, Masood Rabbani, Muhammad Yasin Tipu, Aamir Ghafoor. "Geographical distribution of bovine viral diarrhea virus (BVDV) antibody in bovine serum samples collected from seventeen districts of central Punjab, Pakistan". Proceedings of IX Asian Buffalo Congress-2018 "Climate Resilient Buffalo Production for Sustainable Livelihood", Feb. 1-4, 2018, ICAR-Central Institute for Research on Buffaloes, Hisar, Haryana, India. p.157
- Abdul Raheem, **Arfan Ahmad**, Aamir Ghafoor, Aneela Zameer Durrani and Hammad Ur Rehman. "Determination of seroprevalence and associated risk factors of bovine viral diarrhea virus (BVDV) in bovine population from southern Punjab, Pakistan". Proceedings of IX Asian Buffalo Congress- 2018 "Climate Resilient Buffalo Production for Sustainable Livelihood", Feb. 1-4, 2018, ICAR- Central Institute for Research on Buffaloes, Hisar, Haryana, India. p.157.
- M.U.S. Khan, **A. Ahmad**, M. Rabbani, Muti-ur-Rehman Khan, A. Ghafoor, A.A. Ajnum, M. Avais and Hammad-ur-Rehman. Detection of bovine viral diarrhea virus and bacterial contaminants in commercial bovine semen in Pakistan. Proceedings of IX Asian Buffalo Congress-2018 "Climate Resilient Buffalo Production for Sustainable Livelihood", Feb. 1-4, 2018, ICAR-Central Institute for Research on Buffaloes, Hisar, Haryana, India. p.62
- Quratul Ain, **Arfan Ahmad**, Muhammad Nawaz, Mamoon Chaudhry, Muhammad Avais, Aqeel Javed, Hammad Ur Rehman. Study on the effects of antibiotics and vaccine administration on tissue tropism and shedding pattern of local isolate of *salmonella enterica* serovar enteritidis in commercial broiler chicken. Proceedings of OHC 2017 One Health International Conference held in UVAS Lahore, Pakistan: 13-15 Nov, 2017.
- **Arfan Ahmad**, Aamir Ghafoor, Hammad ur Rehman, Fareeha Akhtar. Retrospective study on Lab Samples for Diagnosis of Fecal and Blood Parasite of Small Ruminants in Pakistan. p. 22. Iran J Parasitol. ISSN :1735-7020, Vol. 12, Supplementary Issue, No. 1, 2017. Proceedings of PARACON 2017 International Parasitology Conference "Recent Advances and Emerging Issues in Parasitology" held in UVAS Lahore, Pakistan: 25-26 Oct, 2017..

Book Published:

- Ahmad, A., M. Rabbani, K. Muhammad, (2011). Comparison of diagnostic approaches for the detection of Bovine Viral Diarrhea persistency in dairy herds. Lambert Academic Press (LAP), Germany (ISBN-NR: 978-3-8465-2927-0).

Trainings, Workshops, Conferences And Symposiums:

- Participated as organizer in 45 days CUVASA, Bangladesh students Externship Program dates 01-11-2025 to 15-12-2025
- Participated as secretary in 45 days CUVASA, Bangladesh students Externship Program dates 01-11-2025 to 15-12-2025
- Participated as secretary in Orientation to problem-based learning (PBL) dated 28th Nov, 2025 organized by FVS, UVAS, Lahore
- Participated in one day workshop on Targeted Mastitis Therapy and AMR control dated August 07, 2025, organized by Department of Veterinary Medicine (Resource Person)
- Participated in a seminar on Creating a safe workplace: understanding and implementing the Protection against harassment of women at the work place act 2010 dated July 21, 2025 organized by Institutional Harassment committee, UVAS, Lahore
- Participated in a seminar on Creating a safe workplace: understanding and implementing the Protection against harassment of women at the work place act 2010 dated July 14, 2025 organized by Institutional Harassment committee, UVAS, Lahore
- Participated as trainee in 2 days training of trainers on codex AMR (Antimicrobial Resistance) Texts and Addressing Foodborne AMR dated July 10, 2025.
- Participated as convener Society for Microbiology and organized one day seminar on Tuberculosis and Awareness walk on May 22, 2025
- One day National symposium on Bovine Ephemeral Fever: Challenges and control strategies dated 14-04-2025 organized by FVS and Orient Traders International
- Two days training on Institutional Biosafety and Biosecurity dated Feb 6-7, 2025 organized by Institutional Biosafety committee (IBC), UVAS
- Two days training workshop on Table of specifications related to construction of assessment dated Jan 28-29, 2025 organized by CEPA.
- Four days Training on Techniques in Microbiology organized by IoM, UVAS Dated Feb, 21-23, 2024
- One day seminar on World Veterinary Day organized by FVS, UVAS, Dated April 26, 2024
- One day seminar on Assessment of Impact and Overcoming Challenges of EPI in Punjab, organized by UVAS Society for Microbiology and ASM student chapter, UVAS dated April, 30, 2024
- Two days training on Genomic Analysis of infectious Bronchitis Virus and Disease control Interventions under NRPU Project 12046, organized by IoM, UVAS, Dated May, 2-3, 2024
- Two days training on Genomic Analysis of infectious Bronchitis Virus and Disease control Interventions under NRPU Project 12046, organized by IoM, UVAS, Dated May, 2-3, 2024
- One day Training on Patent Drafting organized by ORIC, UVAS, dated May 23, 2024
- One day training workshop on Rapid On-Farm Culture system for Mastitis Management organized by DVM, UVAS, dated July 10, 2024
- Five Days workshop on Master Trainers Program for M.Phil and PhD Supervisors dated Sept, 9-13 2024, organized by Faculty of Veterinary Science, UVAS, Lahore
- Three days Poultry Science Conference organized by University of Veterinary and Animal Sciences (UVAS), Lahore and Pakistan Poultry Association (PPA) dated Sept, 26-28
- Three days Poultry Science Conference organized by University of Veterinary and Animal Sciences (UVAS), Lahore and Pakistan Poultry Association (PPA) dated Sept, 26-28
- One day National Symposium on Bovine Brucellosis and Control strategies jointly organized by University Diagnostic Lab (UDL) and UM Enterprises, at UVAS, Lahore dated 28 Nov, 2024.
- Two days refresher training on bio-risk management organized by Association of Bio-risk Management in collaboration with Health Security Partner, USA dated Jan 13-14, 2022
- Training course on diagnosis and control of Lumpy Skin Disease held at National Veterinary Laboratory, Islamabad on March 16-17, 2022
- Five Day Virtual training on Biorisk Management organized by Association of Bio-risk Management by Association of Biorisk Management in collaboration with Health Security Partner, USA on Jan 18-22, 2021

- Attended 4 day Virtual Training on Safe and Secure Sample collection and Transportation by Association of Biorisk Management in collaboration with Health Security Partner, USA, Oct 28-31 2021
- Attended 3 days' workshop on Establishing Zoonosis Control Committees for Integrated Surveillance Detection and Reporting of High-Risk Pathogens in Punjab, organized by Association of Biorisk Management in collaboration with Health Security Partner, USA on Nov 25-27, 2021
- Attended 2 days congress entitled "International Buffalo congress"(IBC-2019) organized by University of Veterinary and Animal Sciences on Feb 18-19, 2019
- Attended two days' workshop on Advanced level biosafety organized by Faculty of Veterinary Science, University of Veterinary and Animal Sciences dated Nov 26-27, 2018
- Attended 5 days Assessor Training Course on ISO/IEC 17025:2017, organized by Pakistan National Accreditation Council (PNAC), Ministry of Science & Technology, GOP, Islamabad on June 24-28, 2019
- Participated in 2 days Training Workshop on "Analytical Model Building and Proposal / Project Development" held on 28th-29th December, 2017 Organized by Department of Statistics and Computer Science, University of Veterinary and Animal Sciences, Lahore, Pakistan.
- Participated in 1 day National Workshop on "Basics Tools in Bioinformatics" held on 29th November, 2017 Organized by Institute of Industrial Biotechnology, GC University Lahore, Pakistan.
- Participated in 2 days National Workshop on "Handling and Restraining of Migratory Birds with Tick Identification" From November, 22-23, 2017 Organized by Department of Clinical Medicine and Surgery, University of Veterinary and Animal Sciences, Lahore, Pakistan.