

BIOGRAPHICAL SKETCH
PROF. DR. ANEELA ZAMEER DURRANI

NAME: DURRANI, ANEELA
COMMONS USER NAME (credential, e.g., agency login): Aneela
POSITION TITLE: Professor
CNIC No: 373012125959-6
E-mail: aneela@uvas.edu.pk
Contact No: +923234032673
Google Scholar: https://scholar.google.com/citations?user=e5xpjggAAAAJ&hl=en
Web of Science Researcher ID: AFL-5259-2022

SUMMARY

Qualification	PhD, Post Doc (USA)
Length of service	34 years
Current Position	Tenured Professor of Veterinary Medicine
Research Publications	111
Book chapter	06
PhD produced	15
Cited by	2010+
PhD completed as member	17
PhD in progress as member	5
MPhil produced	52
MPhil completed as member	71
MPhil in progress as member	07
Project awarded and completed	11
Organizer of conferences/seminars/congress	16
Travel grants won	04
Courses developed post graduate	05
Training completed	149
Honors awarded	3
Educational administrative positions at UVAS	24
Member of Curriculum/Syllabi review committee (Post Graduation)	Pakistan veterinary medical council
Academic administrative initiative	<ol style="list-style-type: none"> 1. 24/7 extension 2. Diagnostic Lab. development for Tick borne diseases 3. Riding club at UVAS
National Resource Person	Faculty Development program of NAHE , HEC
Expert for the bank of Pakistan-China TVET, Industrial center of Excellence	Contributor in Pak-china cooperation in technical and vocational training
Subject expert for postdoctoral fellowship program interviews	Higher education commission on February 25, 2025.
Member Board of Trustees	Brooks Hospital For Animals
WOAH Regional Representation for Asia and the Pacific	Focal Person For Pakistan
Honorary Secretary SPCA	Livestock and Dairy Development Punjab

EDUCATION/TRAINING

INSTITUTION AND LOCATION	DEGREE	COMPLETION (M/Y)	FIELD OF STUDY
University of Agriculture, Faisalabad	DVM	08/1988	Veterinary sciences.
University of Agriculture, Faisalabad	MS	08/1991	Veterinary parasitology
University of Veterinary and Animal Sciences, Lahore	Ph.D.	08/2008	Clinical Medicine
University of Minnesota, USA	Other training (POST-DOC)	02/2012	Post-doctoral Training Medical and biological sciences

PERSONAL STATEMENT

I have 34 years' experience in Clinical Medicine and Livestock Extension. I am, teaching undergraduate, postgraduate and diploma course in University of Veterinary and Animal Sciences. Currently I am serving as Dean Faculty of veterinary Sciences ,UVAS, Lahore. I also Hold the office of the principal officer students Affairs. I am the member of the curriculum/Syllabi review committee of Pakistan veterinary medical council for the review of the post-graduation degree programs of veterinary and animal husbandry.

My research work is on Tick borne infections. During Post-doc period in Medical and Biological Sciences, at University of Minnesota, I studied Lyme Borreliosis in elk, moose and wolf. I also worked at VDL Saint Paul campus on the role of type-2 turkey astrovirus in poultry enteritis syndrome during my Post-doc period. On my return back to Pakistan, I was assigned responsibility of Chairperson, Department of Clinical Medicine and Surgery. I developed Clinical Medicine laboratory and initiated UVAS 24/7 Extension service. I also served as Director, Office of Research Innovation and Commercialization (ORIC) and Director Continuing Education and Extension in university on account of my experience in livestock extension. I worked as Field Officers Training Manager, Vocational and Rural Women in Federal Govt. Project of Pakistan Dairy Development Project on deputation from UVAS for one year. I am affiliated with many organizations in veterinary and animal sciences at national and international level. I am member of steering committee WWF.I have developed extension material for CELDAC project Nestle Pakistan and hand books for field work with farming community. Won Star Laureate Award on Women in Science and Technology, 2008.I have won HEC grants on Epidemiology of Theileriosis in Bovine (completed). Bacterial, Viral and Parasitic Causes of Foal Diarrhea. (NRPU, HEC). I have also completed HEC funded project on Awareness of water borne diseases and provision of safe drinking water to rural community in Pattoki, Punjab Pakistan and Rural women— invisible guardians in goat farming in district Kasur, Pakistan (Funded by HEC, Pak).HEC project on Novel drug development from Calotropis procera (2023). Civic Engagement Project is ongoing extension Project along with Pak-US Collaborative project on Capacity Building of neglected vector borne diseases of livestock (Funded by HEC, Pak) started

2017 till to date, Pilot Project on sustainable forage and herbal deworming in rangelands in Chakwal. (Funded by HEC, Pak) and Biogas plant an alternative to save trees and restore soil degradation in Pattoki District Kasur (Funded by HEC, Pak). I am supervising 5 PhD students while 15 students have completed their PhD under my supervision and member of supervisory committee of 17 students who have completed PhD degree Programme. Eight MPhil Students are currently being supervised while 123 MPhil Students have completed M.Phil. degree program major supervisor and as member of supervisory committee. My student research is mostly on disease diagnosis, prevention and epidemiological aspect of livestock and wildlife. I have plans to work on neglected and nosocomial diseases, antibiotic resistance in domestic animals. My mission is capacity building of professionals, paraprofessionals and livestock owners for community development for welfare of livestock sector by providing research as service taking into account the easily measured efficiency indicators analysis and their application to stake holders as per their needs. The overall aim is to work towards efficiency of service management including research as component in Livestock Development

POSITIONS AND HONORS

LENGTH OF SERVICE (POSITION AND EMPLOYMENT)

Duration	Position and Employment
1991-1992	Veterinary Officer, Extension and Animal Health
1992-1994	Women Livestock Production Officer
1994-1997	Coordinator Women Extension Programme
1997-2001	Technical officer, GTZ Project
2001-2002	Veterinary Officer, Extension and Animal Health
2004-2005	Lecturer, Institute of Continuing Education and Extension
2005-2006	Assistant Professor, Institute of Continuing Education and Extension
2006-2009	Assistant Professor, Department of Clinical Medicine & Surgery to date with additional duty as Director Continuing Education and Extension till 19-7-2010.
2009-2010	Associate Professor, Clinical Medicine
2011-2012	Post doc period
2012-to date	Professor of Medicine. Performed duty of Chairperson Department of CMS and Director ORIC during this period.
2023-to date	Tenured Professor of Medicine

OTHER EXPERIENCE AND PROFESSIONAL MEMBERSHIPS

1. Member Board of Trustees: Brooks Hospital Pakistan
2. Member Post Graduation syllabus review committee : Pakistan veterinary medical council
3. Pakistan Society of Parasitology
4. Alumni Association, University of Veterinary and Animal Sciences, Lahore
5. Vets Care Organization. University of Vet and Animal Sciences, Lahore
6. SAVERS. University of Veterinary and Animal Sciences, Lahore
7. Poster & Art Club, University of Veterinary and Animal Sciences, Lahore
8. Executive Member Society for Prevention of Cruelty to Animals, Lahore
9. Indian Society for Advancement of Canine Practice, India
10. Indian Association of Public Health Veterinarians, India
11. Third World Association for Women in Science
12. Society for Conservation of Environment, Pakistan
13. Country Councilor, Commonwealth Veterinary Association
14. Patron, Vet Crescent Society, University of Veterinary and Animal. Sciences, Lahore
15. Patron Vets Care Society, Lahore
16. American Society of Rickettsiology.
17. Zoological; society of Pakistan
18. Society for Extension Education, Agra ,India
19. Director, Nobel Foundation, Lahore.
20. Member steering committee, WWF, Pakistan.
21. The British Equine Veterinary Association (33187)
22. International Union against Tuberculosis and Lung Diseases
23. Reviewing of the Thai Journal of Veterinary Medicine
24. Royal Veterinary British Society
25. American society of Microbiology
26. Asian Council of Science Editors
27. Full membership in SIGMA XI, THE SCIENTIFIC RESEARCH HONOUR SOCIETY
28. National Resource Person at the National Academy of Higher Education (NAHE) for the National Outreach Program, dedicated to faculty development in higher education.
29. Expert for the bank of Pakistan-China TVET, Industrial center of Excellence
30. Subject expert for postdoctoral fellowship program interviews at Higher education commission on February 25, 2025.

RESEACH PUBLICATIONS

1. Epidemiology of Theileriosis and tick infestation in Bovine and small ruminants. A.Z. Durrani, M.S. Khan and N. Kamal (2005). Incidence of Theileriosis and chemoprophylaxis with herbal medicine in cattle of union council. Jia Bagga, Lahore, Pakistan. *J Animal and Plant Science*, 15(3-4). (ISSN: 1018- 7081). (LOCAL)
2. A.Z. Durrani, N. Kamal and M.S. Khan (2006). Incidence of Theileriosis and estimation of Packed Cell Volume, Total erythrocytic count and Hemoglobin in Buffalo. *J Animal and Plant Science*, 16(3- 4). (LOCAL)
3. A.Z. Durrani, M. Ashraf, A. Mukhtar, N. Kamal and N. Mumtaz (2008). Prevalence of Theileriosis in Buffalo through Blood Smear Examination and PCR in District Lahore. *J Animal and Plant Science*, 18(2-3):57-60. (LOCAL)
4. A.Z. Durrani, A.R. Shakoory and N. Kamal (2008). Bionomics of Hyalomma ticks in three districts in Punjab, Pakistan. *J Animal and Plant Science*, 18(1):20-23. (LOCAL)
5. A.Z. Durrani, N. Kamal, A.R. Shakoory and N. Mehmood (2011). Prevalence of Ovine Theileria Species In District Lahore, Pakistan. *Pakistan J.Zool.*, Vol 43(1) : 57-60. (LOCAL)
6. A.Z. Durrani and N. Kamal (2008) Identification of ticks and detection of blood protozoa in Friesian cattle by Polymerase chain reaction test and estimation of blood parameters in district Kasur, Pakistan. *Trop. Animal Health and Production*, 40: 441-447. (INTERNATIONAL)
7. A.Z. Durrani, A. Maqbool, N. Mahmood, N. Kamal and A.R. Shakoory (2009). Chemotherapeutic trials with Calotropis procera Against Experimental Infection with Theileria annulata in Cross Bred Cattle in Pakistan. *Pakistan J. Zool.*, 41(5): 389-397. (LOCAL)
8. A.Z. Durrani and A.R. Shakoory (2009) Study on Ecological Growth Conditions of Cattle Hyalomma tick in Punjab, Pakistan. *Iranian Journal of Parasitology*. 4(1) : 24-30. (INTERNATIONAL)
9. A.Z. Durrani, A.R. Shakoory, N. Mehmood (2010). Comparison of three diagnostic methods for Theileria annulata in Sahiwal and Friesian cattle in Pakistan. *Pakistan J. Zool.*, Vol 42(4) : 467-472. (LOCAL)
10. Sadaqat Ali, Muhammad Ijaz, Aneela Zameer Durrani, Azhar Maqbool, Muhammad Mudassir Ali and Khalid Mehmood (2016) Epidemiological Aspects of Bovine Tick Infestation in the River Ravi Region, Lahore. *Pakistan J. Zool.*, vol. 48(2), pp. 563-567. (LOCAL)
11. Epidemiology of Leishmaniasis and comparative efficacy of therapeutic trials A.Z. Durrani, H.Z. Durrani and N. Kamal (2010). Comparative efficacy of different therapeutic agents in experimental infection of leishmaniasis in hamsters. *J Animal and Plant Sciences* 19(3): 160-162. (LOCAL)
12. A.Z. Durrani, H.Z. Durrani and N. Kamal (2011). Prevalence of cutaneous Leishmaniasis in Humans and Dogs in Pakistan. *Pakistan J.Zool.*, Vol 43(2) pp 263-271. (LOCAL)
13. A.Z. Durrani, H.Z. Durrani and N. Kamal (2012). Prevalence of Leishmania in Sand Fly in Pakistan. *Pak. J. Zoology*. 45(2) :266-277 (LOCAL)

14. H.Z. Durrani,A.Z.Durrani and Nadeem Kamal.(2010).Comparative efficacy of different therapeutic agents in experimentally induced Leishmaniasis in Hamsters.J. Anim. Plant Sci.20(1):13-16.(LOCAL)
15. Research Work During Post Doc period in Minnesota.A.Z.Durrani and S.M.Goyal.(2011). Retrospective study on seroprevalence of *Borrelia burgdorferi* in Elk and Moose in Minnesota J. Anim. Plant Sci.21(3):17-20.(LOCAL)
16. A.Z.Durrani and S.M.Goyal.(2011). Retrospective study on seroprevalence of *Borrelia burgdorferi* antibodies in Horses in Minnesota .J.Equine vety Science.31(8):427-498.(INTERNATIONAL)
17. A.Z.Durrani and S.M.Goyal.(2012). Retrospective study on seroprevalence of *Borrelia burgdorferi* antibodies in Dogs in Minnesota .Turkish J. Vet. Anim. Sci. 36(2): 137-141(INTERNATIONAL)
18. A.Z.Durrani and S.M.Goyal.(2012). A retrospective study of *Anaplasma* in cattle in Minnesota Turkish J. Vet. Anim. Sci. 36(2): 131-136.(INTERNATIONAL)
19. H.Amira,A.Z.Durrani and ,Goyal S.M.(2010). Retrospective study of different pathogens causing diarrhoea in horses in Minnesota.RJAS.,42(2) : 77-82(INTERNATIONAL)
20. K. Mor , M. Abin , G. Costa , A. Durrani , N. Jindal , S. M. Goyal , and D. P. Patnayak.(2011) The role of type-2 turkey astrovirus in poult enteritis syndrome. Poultry Science 90 :2747–2752.(INTERNATIONAL)
21. Ahmad I.,A.Z.Durrani,M.S.Khan,M.Ashraf,M.Avais,M Ijaz.(2016) Fascioliosis in small ruminants and its association with higher altitudes regions of AJK.J.Animal and Plant science.Vol 26(6) pp 0-0 .(LOCAL)
22. Ahmad I.,A.Z.Durrani,M.S.Khan,M.Ashraf,M.Avais,M Ijaz.(2016) Morphometric and Molecular Identification of Fasciolids at different altitudesof AJK. J.Animal and Plant science.Vol 27(1) 2017 (LOCAL)
23. Anisa Mushtaq, Nisar Ahmad, Haroon Akbar, Aneela Zameer Durrani,Muhammad Waqas, Mohsin Nawaz, Zulfiqar Ahmad, Sajid Mahmood Sajid,Muhammad Akhtar Qureshi and Abid Hussain,(2015) Therapeutic efficacy of Fumaria caealpinia and oxclozanide against Fascioliosis in naturally infected sheep in Rawalakot AJK, Pakistan.World Journal of Zoology 10(2)pp 118-123.(INTERNATIONAL)
24. Aneela.Z.Durrani, ,Imtiaz Ahmad.(2012). Participatory Disease Surveillance of Transboundary Animal Diseases in South Azad Jammur & Kashmir.Pakistan J. Zool., vol. 47(3), pp. 857-860, 2015.(LOCAL)
25. A.Z. Durrani,N. Kamal and M.S. Khan (2007). Prevalence of Fascioliosis and estimation of Packed Cell Volume, Total erythrocytic count and Hemoglobin in Buffalo of Union Council Jia Bagga, District Lahore. JAnimal and Plant Science,17(1-2):27-29.(LOCAL)
26. Ahmad,Aneela Zameer Durrani,K.Ashraf,K.Hameed (2017) Risk factor Analysis of Fascioliosis in buffaloes in AJK.Pakistan J bioresorce management Science,69(4)pp:351-354.(LOCAL)
27. Khalid Mehmood, Aneela Zameer Durrani, Hui Zhang.(2017) A review on epidemiology,global prevelance and economical losses of fasciolosis in ruminants J.Micro-Path 109 253-262 (INTERNATIONAL)
28. Prevalence of Bovine Cysticercosis in Punjab, Pakistan. M. Saeed, A.Z. Durrani, M.A. Khan, A. Maqbool, M. Avais, M. Ijaz, I. Ahmad, M.Younus, K. Mehmood, M. Siddiq,

- S.Naz .(2016). Prevalence of bovine and bubalinecysticercosisin Punjab, Pakistan. *J. Anim. Plant Sci.*, 26 (2) (LOCAL)
29. M. Saeed, A.Z. Durrani, M.A. Khan, A. Maqbool, M. Avais, M. Ijaz, I. Ahmad, M.Younus, K. Mehmood, M. Siddiqa, S.Naz (2016). Cysticercous bovis induced haematological and biochemical changes in cattle and buffalo .*J. Anim. Plant Sci.*, 26 (3)(LOCAL)
 30. Khalid Mehmood, Muhammad Ijaz, Aneela Zameer Durrani (2013) Infection Rate and Therapeutic Trials on Various Gastrointestinal Parasites in Sheep and Goats in and Around Lahore, Pakistan Pakistan *J. Zool.*, vol. 45(2), pp. 489-494, 2013.(LOCAL)
 31. A.Z. Durrani,N. Kamal and M.S.Khan (2007). Serodiagnosis of Haemonchosis in small ruminants. *J Animaland Plant Science*, 17(3-4):56-58.(LOCAL)
 32. Muhammad Hassan Saleem,1 Muhammad Sarwar Khan,1 Aneela Zameer Durrani (2013) Leptospirosis: An Emerging Zoonosis in Pakistan. *Pakistan J. Zool.*, vol. 45(4), pp. 909-912, 2013.(LOCAL)
 33. Beenish Zahid,1 Muti-ur-Rehman Khan,1 Asim Aslam,1 Aneela Zameer Durrani (2013) Effect of a Herbal Supplement Livol on the Growth Performance and Antibody Response against Infectious Bursal Disease Virus in Broiler Chicks. *Pakistan J. Zool.*, vol. 45(5), pp. 0-0, 2013 (PJZ- 1414-13)(LOCAL)
 34. Mukhtar Anhad,M.Ashraf,M.S.Khan,A.Z.Durrani.(2013) Toxic effect of chloroform and aquous extract of peganum Harmala on hematological and growth pattern in Rabbits. *Pak.J.Zool.*,vol 45(4),pp:0-0(PJZ-1248-13)(LOCAL)
 35. M.Waqas,M.S.Khan,A.Z.Durrani.M.Arif Khan (2014) Prevalence of GIT parasites,chemotherapy and hematology of strongylosis in donkeys of District Lahore, Pakistan.*Interl.J.Current Microbiol.and Applied Sciences*.Vol3(7) pp:198-207.(INTERNATIONAL)
 36. Akhtar Ali,M.Ijaz,A.Z.Durrani Khalid Mehmood.(2014) Prevalence and chemotherapy of Anaplasmosis in clinically affected small ruminants in River Ravi region ,Lahore.(2014) *Pak.J.. Zoology*. Vol 46(3) pp:876-880(LOCAL)
 37. S. Iqbal, A. Riaz, S. M. H. Andrabi, Q. Shahzad, A. Z. Durrani & N. Ahmad.(2016) L Cysteine improves antioxidant enzyme activity, post-thaw quality and fertility of Nili-Ravi buffalo (*Bubalus bubalis*)bull spermatozoa. *Andrologia* , xx, 1–7,. DOI: 10.1111/and.12520(INTERNATIONAL).
 38. Habibun Nabi,Imran Rasheed,Nisar Ahmad,A.Z.Durrani (2017) Induction of specific humoral immune response with ROP18 nanospheres from *Toxoplasma gondii*. *Parasitol Res*.DOI 10.1007/s00436-016-5298-5*Parasitology Research*, vol. 116, issue 1 (2017)(INTERNATIONAL)
 39. Habibun Nabi ,Sahar Islam,Imran Rasheed,Nisar Ahmad,Aneela Durrani (2017) Sequence Analysis of SAG2 gene of feline *Toxoplasma gondii* oocysts in Paklistan.*Pak.J.Zool* ,49(6) pp 2067-2077,2017(LOCAL)
 40. M. Ijaz, M. S. Khan, A. Z. Durrani, M. H. Saleem, A. S. Chaudhry & K. Mehmood (2011).Prevalence and haematological-Biochemical studies of Strangles (*Strptococcus equi*) affected horses in Pakistan.Published in *JAPS*(LOCAL)
 41. Habibun Nabi,Khalid saeed,Muhammad latif,A.Z.Durrani,M.Haroon akbar.(2013) Comparative efficacy of two dose levels of Albendazole against naturally acquired

- nematode infections in goats.(2013) J.Advances in Parasitol.1(1)pp1-3.(INTERNATIONAL)
42. Sadia Ibrahim,Azhar Maqbool,M.Ijaz,A.Z.Durrani (2012) Seroprevalence of Anti-Toxoplasma gondii antibodies in captive birds in Lahore.Pak.J.Zool.,vol 44(4)pp:1174-1176.(LOCAL)
 43. A.Z. Durrani and N. Kamal (2009). Prevalence of Genital Tract Problems in Clinical Cases of Various Species of Animals. J Animal and Plant Science, 19(3): 160-162 ISSN: 1018-7081.(LOCAL)
 44. A.Z. Durrani, N. Kamal, A.R. Shakoory and R.M.Younus (2010).Prevalence of post parturient haemoglobinuria in Buffalo and therapeutic trials with toltrix sodium and tea leaves in Pakistan.Turkish J. Vet. Anim. Sci. 34(3):25-28.(INTERNATIONAL)
 45. A.Z. Durrani, A.R. Shakoory and N. Mehmood (2010). Prevalence of Peste des Petits Ruminants(KATA) in Sheep and Goats of Punjab. Pakistan J. Zool., 42(3): 211-216.(LOCAL)
 46. Muhammad Rizwan, Aneela Zameer Durrani, Muhammad Ijaz, Muhammad Kashif and Sehrish Firyal. Clinico-Bacteriological Investigation of Sub-Clinical and Clinical Mastitis in Dairy Goats. Veterinaria., 2016. vol. 4, pp. 4-6.(INTERNATIONAL)
 47. Sidra Aslam, Aneela Zameer Durrani, Muhammad Rizwan and Muhammad Kashif. Comparative Efficacy of Metronidazole in Combination Colistin sulphate and Probiotics against Clostridium Perfringens and Their Effects on Histopathological Features of Visceral Organs in Broiler. Veterinaria., 2016.vol. 4, pp. 11-17(INTERNATIONAL)
 48. Abdul Sattar, Farah Younas, Syed Murtaza Hasan Andrabi, Nasim Ahmad, Muhammad Usman Mehmood, Aneela Zameer Durrani. Cysteine and glutathione improves post-thaw quality of Sahiwal bull spermatozoa. Animal Reproduction Sciences. DOI: 10.1016/j.anireprosci.2016.03.029 (INTERNATIONAL).
 49. M.Kashif, M.Rizwan,A.Z.Durrani,Amar Nasir (2016) Therapeutic trials to evaluate the efficacy of topical clotrimazole and Nystatin on clinical cases of otitis externa in dogs caused by Malassezia pachyderma in district Lahore and its suburbs in Pakistan.(2016) J.Biomal.Transl.Res.Vol 17(2) pp:26(INTERNATIONAL)
 50. Aneela Zameer Durrani,Zubair Bashir,Khalid Mehmood,Muhammad Avasi,Haroon Akbar,Waqas Ahmad,Muhammad Azeem (2017) use of physiological biomarkers in diagnosis along with field trials of different trypanicidal drugs in camels of Cholistan desert.Microbiological pathogenesis ,volume 108 doi:10.1016/j.micpath.2017.04.014Pp: 6-12.(INTERNATIONAL)
 51. Amjad Islam Aqib, Muhammad Ijaz,Riaz Hussain, Aneela Zameer Durrani,Aftab Ahmad Anjum.(2017)Identification of coagulase gene in Staphylococcus aureus isolates recovered from subclinical mastitis in camels . Pakistan Veterinary Journal ISSN 02538318. 2074-7764 (online)(LOCAL)
 52. Aneela Zameer Durrani,Zubair Bashir,Imran Rasheed,Noorul A'in (2017) Epidemiological study of common diseases and their risk factors in camels in south Punjab Pakistan.Microbiological pathogenesis ,volume 108,doi:10.1016/j.micpath.2017.04.011 Pp:1-5)INTERNATIONAL)
 53. Amjad Islam Aqib¹, Muhammad Ijaz^{1,*}, Aneela Zameer Durrani¹, Aftab Ahmad Anjum², Riaz Hussain³, Saba Sana², Shahid Hussain Farooqi¹, Kashif

- Hussain and Syed Saleem Ahmad (2017) Prevalence and Antibigram of *Staphylococcus aureus*, a Camel Mastitogen from Pakistan Pakistan J. Zool., vol. 49(3), pp 861-867, 2017.
DOI:<http://dx.doi.org/10.17582/journal.pjz/2017.49.3.861.867>.(LOCAL)
54. Shahzad H ,Khan M ,Bokhari S ,Durrani A ,Asif M ,Khan I ,Khan M ,Ijaz F (2016) Comparative evaluation of conventional method and stapled suture technique for intestinal anastomosis in dogs Journal of Animal and Plant Sciences, vol. 26, issue 6.(LOCAL)
 55. Khalid Mehmood , Hui Zhang , Ahmad Jawad Sabir, Rao Zahid Abbas, Muhammad Ijaz , Aneela Zameer Durrani (2017) A review on epidemiology, global prevalence and economical losses of fasciolosis in ruminants. Microbial Pathogenesis 109 (2017) 253-262.(INTERNATIONAL)
 56. Khan N, Saleem M, Durrani A, Ahmad N, Hassan A, Ayaz S, Umar S, Sohail M, Shafee M, Khan I, Khan M, Khan A, Malik N, Razzaq A (2017) Cryptosporidium: An emerging zoonosis in southern Khyber Pakhtunkhwa (KPK), Pakistan. Pakistan Journal of Zoology, vol. 49, issue 4 (2017)(LOCAL)
 57. Ramzan M, Ahmad N, Ashraf K, Saeed K, Durrani A, Jan S, Rafiuddin, Khan M (2017) Epidemiology and control of gastrointestinal nematodes of buffalo in Balochistan. Journal of Animal and Plant Sciences, vol. 27, issue 4 (2017)(LOCAL)
 58. Ramzan M, Ahmad N, Ashraf K, Saeed K, Durrani A, Jan S, Rafiuddin, Khan M (2017) Epidemiology and therapeutic studies on nematodes infection in cattle at district qilla abdullah, balochistan. Journal of Animal and Plant Sciences, vol. 27, issue 3 (2017)2.(LOCAL)
 59. Nabi H, Aneela Zameer Durrani, Rashid H (2018) Prevalence of *Toxoplasma gondii* oocyst through copro-PCR in cats at Pet center UVAS Lahore, Pakistan. Journal of the Pakistan Medical Association 68(1) 115-118.(LOCAL)
 60. Muhammad Usman Saleem, Aneela Zameer Durrani, Hafsa Zaneb.(2018) Histophysiological Changes in broilers in fed on diet supplemented with Mannan oligosaccharide and organic acid blend. Pakistan Journal of Zoology Vol.50(2),pp 473-480(LOCAL)
 61. Muhammad Usman Saleem, Aneela Zameer Durrani, Hafsa Zaneb.(2018) Combined supplementation of organic acid blend and hydrolysed yeast mixture increase growth performance and tibia bone strength in broilers. indian.j.animal. reseach. ISSN 0976-0555 DOI 10.18805/ijar.B-858.(INTERNATIONAL)
 62. Bacterial Counts and predisposing factors of *Cl. perferengenes* infection along with antimicrobial sensitivity in diarrhoeic sheep in Pakistan. (2018) Tropical Biomedicine 35(2) :434-441.(INTERNATIONAL)
 63. Haq Aman Ullah, Aneela Zameer Durrani, Muhammad Ijaz and Aqeel Javeed.(2016) Aflatoxin B1 Contamination Status of Concentrate Feeds of Dairy Goats in Lahore, Pakistan. SJA., 32(2): 57-61(LOCAL)
 64. Haq Aman Ullah, Aneela Zameer Durrani, Muhammad Ijaz and Aqeel Javeed (2017) Dietary mycotoxins binders; a strategy to reduce aflatoxin m1 residues and improve milk quality of lactating beetal goats. Journal of Consumer Protection and Food Safety DOI 10.1007/s00003-016- 1046-0. Pp:306-309(LOCAL)
 65. Haq Aman Ullah, Aneela Zameer Durrani, Muhammad Ijaz and Aqeel Javeed

- (2017) A study on effects of dietary aflatoxin B1 and its transfer from feed into milk in lactating beetal goats.
DOI: <https://dx.doi.org/10.17582/journal.pjz/2020.52.1.sc10> (Local)
66. Ikramul Haq, Aneela Zameer Durrani, Muhammad Sarwar Khan, Muhammad Hassan Mushtaq, Imtiaz Ahmad. (2017) A Study on Causes of Pathogenic Diarrhea in Foals in Punjab, Pakistan. *Journal of Equine Veterinary Science* 56 (2017) 88–92 (INTERNATIONAL)
67. Ikramul Haq, Aneela Zameer Durrani, Muhammad Sarwar Khan, Muhammad Hassan Mushtaq, Imtiaz Ahmad. (2017) Study of antimicrobial resistance and physiological biomarkers with special reference to Salmonellosis in diarrheic foals in Punjab, Pakistan. *Acta Tropica* 176:144-149 (INTERNATIONAL)
68. Ikramul Haq, Aneela Zameer Durrani, Muhammad Sarwar Khan, Muhammad Hassan Mushtaq, Imtiaz Ahmad. (2018) *Pakistan J. Zoology*. Vol 50(1) pp 1-4 (LOCAL)
69. Mumtaz Ali Khan, Aneela Zameer Durrani, Sher Bahadar Khan, Muhammad Arif Khan, Ali Ahmad Sheikh, Naimat Ullah Khan, Kashif Prince, Naimat Ullah, Azmat Ullah Khan. 2017 Association between bacterial strain type and host biomarkers in *Clostridium perfringens* infected goats -09 *Microbial Pathogenesis* | journal-article
DOI: 10.1016/j.micpath.2017.09.059 URL: <https://doi.org/10.1016/j.micpath.2017.09.059> (INTERNATIONAL)
70. Kashif Hussain, Aneela Zameer Durrani, Muhammad Ijaz. Molecular typing of *Clostridium perfringens* Toxins ($\alpha, \beta, \epsilon, i$) and Type A multidrug resistance profile in diarrheic goats in Pakistan. *Kafkas Univ Vet Fak Derg* 24(2): 251-255, 2018. (INTERNATIONAL)
71. Naimat Ullah, Aneela Zameer Durrani, Muhammad Avais, Nisar Ahmad, Sanaullah. (2018) A first report on prevalence of caprine theileriosis and its association with host biomarkers in southern KPK, Pakistan. *Small Ruminant Research*, 159, pp: 56-61. (INTERNATIONAL)
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94. Ridda Haroon Durrani, AA sheikh, A.Z.Durrani (2022) In Vivo Effect of Novel Lytic Phage Cocktail against Salmonella Pullorum Pakistan *J. Zool.*, vol. 54(6), pp 2585-2590, 2022 DOI: <https://dx.doi.org/10.17582/journal.pjz/20210822090852>(LOCAL)
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96. Bushra Nisar Khan, Nageen Hussain, Aneela Durrani ,Amina Tufail (2023) Evaluation of zoological gardens in Punjab in Public Education and captive wildlife conservation .*LGU Journal of Life Sciences* 7(1) (Local) if 4.4
97. Muhammad Nadeem, Muhammad Rizwan, A.Z.Durrani et al (2022)Participatory surveillance of infectious and non-infectious diseases of Livestock in Pakistan Punjab University Journal of Zoology 37(2):143-148.(LOCAL)
98. Nasir Hameed, Muhammad Zubair, Nasim Ahmad, Aneela Zameer Durrani, Muhammad Irfan-ur-Rehman Khan,Effect of cooling rate, extender type, and storage temperature on chilled sperm quality and pregnancy rate in Kail sheep,Small Ruminant Research,Volume 231,2024,107202,ISSN 0921-4488, (International)
99. Presence of antibiotic residues of Penicillin and Oxytetracyclin in Beef, Mutton and

- Chicken(Meat)(2024): One Health Paradigm shift legislation and Policy Formulation, Punjab University Journal of Zoology, DOI: 10.17582/journal.pujz (Local)(IF 0.144)
100. Antibiotic Residues of Penicillin and Oxytetracycline in Yoghurt: One Health Needs Paradigm Shift, Legislation and Policy Formulation in Pakistan, Punjab University Journal of Zoology, PUJZ, ISSN-2313-8556 (Online) 1016-1597(Print),(IF 0.144)(LOCAL)
101. Muhammad Haneef, Aneela zameer Durrani , Muhammad Zahid Iqbal” Environmental contamination with Nosocomial bacteria and their control, UDC:579.831:504.3.054(International)
102. Aneela Zameer Durrani, "Effects of Essential Oils Aroma Therapy on Stress-Ladened Solitary Carnivores: Changes in Anxiety-Related Behavior and Cortisol Concentration", Journal of Wildlife and Biodiversity(IF 0.7) DOI: <https://doi.org/10.5281/zenodo.11625078> (International)
103. Muhammad Nadeem , Aneela Zameer Durrani, Absar Ahmad, First Molecular characterization of *Borrelia Burgdorferi* sensu lato alongwith risk factor analysis in camel in punjab Pakistan, 2023 , pakistan journal of zoology,(Local) IF (0.687)
104. Ajmal Nisar Mengal, Aneela Zameer Durrani,Muhammad Hassan Saleem,Aftab Ahmad Anjum,Muhammad Oneeb, Isolation , Biochemical and Molecular identification of *E.coli*, *Salmonella* and *Clostridium* in the migratory birds from Balochistan Province, Pakistan, Pakistan Journal of Zoology(IF 0.687)(Local)
105. Impact of Farm Management Practices on Tick Infestation in Punjab’s Livestock: A Comprehensive Epidemiological Study Muhammad Husnain Ali Alvi 1,* , Abdul Rehman 2 , Tariq Jamil 3 , Muhammad Zahid Iqbal 4 , Aneela Zameer Durrani 4 , Aman Ullah Khan 5 , Muhammad Usman 4 , Carola Sauter-Louis 1 and Franz J. Conraths 1, Animal IF (3.00), (International)
106. Fawad Khalil Pitafi, Hamid Akbar, Ayesha Safdar, Aneela Zameer Durrani, Muhammad Abid Hayat, Ghulam Mustafa, Effect of Autologous platelets rich plasma alone or with hydrofiber dressing on cutaneous wound healing in rescued donkeys.Egyptian journal of veterinary science P(1-14), IF 0.9, (International)
107. Fawad Khalil Pitafi, Hamid Akbar, Ayesha Safdar, Aneela Zameer Durrani, Muhammad Abid Hayat. Effect of Autologous platelets rich plasma alone or with hydrofiber dressing on cutaneous wound healing in experimental rabbits. Pakistan journal of zoology P(1-9), IF 0.5(Local)
108. Farid Ahmed Khan1 , Nadia Mukhtar1*, Hassaan Bin Aslam1 , Hamda Pervaiz1 , Muhammad Waqar Aziz3 , Muhammad Furqan Shahid4 , Muhammad Nawaz1 , Aneela Zameer Durrani2 and Tahir Yaqub1, Sequence based Characterization of Lumpy Skin Disease Virus from Punjab, Pakistan, 2024 pakistan journal of zoology P(1-11), IF:0.5
109. Yusra Ashfaq, Dr. Bushra Nisar Khan, Dr. Muhammad Rizwan Khan , Dr. Muhammad azhar, Dr. Amina Tufail, Dr. Aneela Zameer Durrani, Advancing wildlife management: pioneering non invasive urine-analysis protocols in captive ungulates for the first time in Pakistan.Journal of wildlife biodiversity, 2024, international , if 0.7

110. Shamsa Ashraf, Bushra Nisar Khan, Aneela Anwar, Ayesha Sadiqa, Awais Ahmad, Aneela Zameer Durrani, Eman Javed, Song Gang, Samar A, Aldossari, Mohammad Sheikh Saleh Mushab, Effect of citrus extract Nanocomposites and nanoparticles on growth inhibition and biofilm creation against against pathogenic Bacteria isolated from zoo and Water fowls. Journal of Biotechnology and Bioprocess Engineering (I.F 2.76)
111. The role of mentorship in veterinary practice: An empirical study of the Animal Health Mentoring Framework in Pakistan, Ujala Fatima Shan , Aneela Zameer Durrani , Muhammad Zahid Iqbal , Shakera Sadiq Gill b, Esha Binte Iqbal , Sadia Sanaullah , Muhammad Aftab , Mahrukh Ahmed , Safdar Aman, **The Veterinary Journal (National)(2025) IF: 2.5**

<u>Impact Factor</u>	143.79
<u>Citations</u>	2107
<u>h-index</u>	24
<u>i10-index</u>	45

Developed and patented a novel herbal formulation for the treatment of theileriosis, focusing on efficacy and safety for veterinary use.

BOOK CHAPTERS (Published)

Total 06

ACADEMIC PERFORMANCE

Ph.D.

NO. of Ph.D. produced	15
Completed Ph.D. as member	17
Ph.D. in progress as member	5

M.Phil.

No of MPhil produced	50
M.Phil. in progress as member	7
Completed M.Phil. as member	63

ONGOING AND COMPLETED PROJECTS

1. Novel drug development from Calotropis procera (NRPU, HEC), 2023
2. Epidemiology of Theileriosis in Bovine.(completed) (NRPU, HEC), 2008
3. Bacterial, Viral and Parasitic Causes of Foal Diarrhea .(Completed, NRPU, HEC) ,2017
4. Civic Engagement Project (extension Project).(In progress) started 2014 till to date
5. Effects of mycotoxin on dairy goats(approved by HEC) budget awaited
6. Awareness on Waterborne Zoonosis in Pattoki (Completed) 2017.
7. Pak-US project on Capacity Building of neglected vector borne diseases of livestock (Funded By HEC, Pak) Completed 2021
8. Rural women—invisible guardians in goat farming in district Kasur, Pakistan (Funded by HEC, Pak) (Completed) 2017.

9. Pilot Project on sustainable forage and herbal deworming in rangelands in Chakwal. (Funded by HEC, Pak) (Completed). 2018
10. Biogas plant an alternative to save trees and restore soil degradation in Pattoki district Kasur. (Funded by HEC, Pak) (Completed). 2018
11. ORGANIZER OF WORKSHOPS/FIELD DAYS: Organized Two international and six National workshops. Organized six field days for rural community.
12. Conferences Attended: Attended 20 international and 10 National conferences and presented paper on different topics.

FUNDING OF CONFERENCES / WORKSHOPS/FIELD DAYS/CAMPS

1. Organized FOUR international Conferences (Two funded by PARB, Two funded by HEC)
2. six National workshops
3. Organized field days for rural community collaborated by Private Sector.
4. Veterinary treatment camps in Eid and Rabies Vaccination camps is regular feature since 2010.

TRAVEL GRANTS WON

Attended 20 international and 10 National conferences and presented papers. Four times won travel grant from PARB and HEC.

COURSES DEVELOPED FOR POSTGRADUATE DEGREE CLINICAL MEDICINE

- | | | | |
|----|--|--------|---------|
| 1. | MIGRATORY BIRDS DISEASES AND ECOLOGY | 4(3-1) | (PhD) |
| 2. | INDEGINOUS HERBAL MEDICINE | 3(3-0) | (MPhil) |
| 3. | Current Trends in Indigenous Herbal Medicine | 3(3-0) | (PhD) |
| 4. | Current Topics in Veterinary Medicine | 1(1-0) | (PhD) |
| 5. | Animal Care and Behavior | 4(3-1) | (PhD) |

TRAININGS (NATIONAL AND INTERNATIONAL)

Resource Person: Official Resource Person of National Academy of Higher Education -National Outreach Program for Faculty development.

Sr. #	Module	Institute	Date
1.	Master Trainers of MPhil/ PhD Supervisors Training	University of veterinary and Animal sciences Lahore	19-30August2024
2.	Master Trainers of Microteaching Skills Training	Women University Bagh, Azad Kashmir	06-09 January 2025
3.	Master Trainers of Communication skills for Higher Education Teaching	King Edward Medical University, Lahore.	13-14 January 2025

4.	Assessment & Evaluation in Higher Education Teaching	Fatima Jinnah Medical University, Lahore.	29-30 January 2025
5.	Assessment & Evaluation in Higher Education Teaching	Nishtar Medical University Multan	26-27 February 2025
6.	Assessment & Evaluation in Higher Education Teaching	University of veterinary and animal sciences, Cholistan	7-8 May 2025
7.	Master Trainers of Microteaching Skills in higher education, Training	The Women University Swabi	23-27 June 2025
8.	Organized the Training on "Creating a safe workplace environment: Understanding and implementing the protection against Harassment of women at workplace, Act, 2010", Training of Admin employees.	University of Veterinary and Animal Sciences Lahore	4 JULY 2025
9.	Organized the Training on "Creating a safe workplace environment: Understanding and implementing the protection against Harassment of women at workplace, Act, 2010", Training of Faculty.	University of Veterinary and Animal Sciences Lahore	14 JULY 2025

Trainings attended as a participant

Sr No.	Institution	Year	Area
1.	World Organization of Animal Health	26 July 2025	Stewardships on AMR in terrestrial Animals
2.	World Organization of Animal Health	26 July 2025	General Introduction to AMR with WOAHS lenses
3.	Indian institute of Technology Kharagpur	1-4 July 2025	Advancement in agriculture and Food Engineering in India
4.	Food and Agriculture Organization, United Nations and Ministry of Food and Drug Safety, Republic of South Korea	10 July 2025	Training of Trainers on Codex AMR Texts and addressing foodborne AMR
5.	COMSTECH, ISLAMABAD, Pakistan	20-22 May 2024	International workshop on "Drug Design and Development: The Arts And Science
6.	Regional Training of Trainers Workshop on Mass Dog Vaccination	2024	Rabies control by WHO

7.	University of Veterinary and Animal Sciences Lahore and NAHE	19 th – 30 th August 2024	Organized Training for M Phil/PhD supervisors Under umbrella of NAHE
8.	University of Veterinary and Animal Sciences Lahore and NAHE	9 th – 13 th September 2024	Organized second phase of Training for M Phil/PhD supervisors Under umbrella of NAHE
9.	WOAH & UVAS	22 nd July 2024	WOAH Trends Regarding AMR and Responsibility of Veterinary Practitioners in combating AMR
10.	Indian Institute of Technology(IITK) Kanpur India	06-09 May 2024	Design Thinking for Sustainable Agriculture
11.	SCO Agricultural base	May 09, 2024	lecture on 'irrigation , water quality and water brackish water irrigation
12.	Government college university Lahore	May 15-16, 2024	Two Day Workshop on Data Analysis
13.	The UWI Mona campus	May 19 2024	Preparing for mental health explosion: The role of family physician ,
14.	Department of Research and publication, A2Z EduLearnigHub LLP	April 2024	Data Analysis & Visualization using Tableau
15.	Webinar	23 April 2024.	Ophthalmology: 'Get on the case' An interactive case- based approach to the management of a range of common corneal disorders,
16.	Coventry University NAHE, HEC	3-11 March 2024	PhD supervisors Capacity Building Program (2023) , phase III
17.	Webinar (China)	1-6 Feb 2024	Training Course on Inspection and Quarantine Technology of Fruit Exports
18.	Ministry of commerce and Academy for international business officials	6-19 July 2023	Training workshop on traditional Chinese veterinary Medicine and Techniques
19.	NAHE, HEC	17-21 July 2023	PhD supervisors Capacity Building Program (2023) ,

			phase I & II
20.	International exchange center for Yangling agricultural HI-TEC demonstration zone China	10-23 march ,2023,	Modern Agri economy management for developing countries,
21.	International exchange center for Yangling agricultural HI-TEC demonstration zone China	9-22 march 2023	Governance and social development for B&R countries
22.	African Asian Rural Development Organization	27-30 March,3rd-4th April ,2023	Emerging trends in agricultural technology
23.	European Union, CIRAD & National Veterinary Research institute, Nigeria	6 th Feb 2024	EU support to Livestock Disease Surveillance Knowledge Integration- Official meeting with stakeholders.
24.	Webinar vet	25th Feb 2023	A Clinical perspective of foot and mouth disease
25.	Institute of Zoology, PU, Lahore	Feb,2023	Avian Fauna of Qinghai Tibet plateau distribution pattern and evolution
26.	Sandoz.	March 26th 2023	AGPJ/SANDOZ Health care summit
27.	Alltech	4th April2023	2023 Feed Production Workshop
28.	European Union	30-31st May 2023	Conference on Restore our oceans and water
29.	African Asian Rural Development Organization	March to 4 April 2023	Emerging Trends in Agriculture Technologies
30.	African Asian Rural Development Organization	13-16th Feb 2023	Millets for Global Food Security
31.	Beckman Coulter USA	March 21,2023 ,	Flow cytometry analysis
32.	FAO and WOAHA	24th March 2023	Conference of PPR Global Research and Expertise
33.	International exchange center for Yangling agricultural HI-TEC demonstration zone China	21st March 2023	International Training on Governance capability and social development for B&R countries
34.	WE -WILL UVAS	1-12-22 to 16-2-23	Women Leadership Development Program Women Leaders as Change

			Agents
35.	Jiangsu Inspection and Quarantine Institute of Quality (JSIQ)	(From October 20th to November 2nd ,14 day in total)	Seminar on Inspection and Quarantine Cooperation for Pakistan,
36.	FAO	11 to 13 th Oct 2022	Small Ruminants Stakeholder meeting on Peste des Petits Ruminants Global Eradication Programme (PPR-GEP)
37.	International exchange center for Yangling agricultural HI-TEC demonstration zone china	October 13, 2022 - November 2, 2022)	Seminar on Regulation of Agricultural Production Environment in 2022 for Developing Countries
38.	UVAS and UAF	October 25-26, 2023	Two-Day Workshop on Primer Designing & Phylogenetic Analysis and its Application in Life Sciences
39.	Medical Council of Jamaica	May 15th ,2022	World Family Doctors Day conference,
40.	WHO.	May 26 th 2022	Monkey pox epidemiology ,preparedness and response for African outbreak contexts, may 26th ,2022
41.	SANDOZ and association of General Practitioners Jamaica	,9th and 10th Oct,2022	Antibiotic Hybrid Conference
42.	AARDO and RDA Bangladesh	21-30 sep 2021	Green innovation in agriculture and rural development
43.	Ministry of commerce china	3rd sep to 16th sep 2021	Supervision cooperation in import and export food safety for developing countries.
44.	Medical Council of Jamaica	,May 15th ,2022	World Family Doctors Day conference

45.	COMSTECH Secretariat, Pakistan	July 27-28, 2022	International Advanced Training Course on Intellectual Property
46.	NELGA Morocco	march 10th 2022	The evolution of skills in land governance
47.	Pakistan society of neuro oncology	March 5th 2022	Advances in vestibular schwannoma management
48.	WHO	April 2nd,2022	Safety in administering medicines for neglected tropical diseases
49.	Pakistan society of neuro oncology	Jan 8th 2022	Case based discussion on cavernomas
50.	International exchange center for Yangling agricultural HI-TEC demonstration zone china	30 June to 20 th July	Rural e –commerce seminars
51.	Department of international how cooperatives MINST CHINA	11th oct to 22nd oct 2021	Major transboundary animal diseases diagnosis technology.
52.	National Academy of Higher Education HEC Islamabad	29th Nov to 4th Dec 2021	Women Leadership.
53.	Lanzhou Institute of husbandry and pharmaceutical sciences CAAS, China	6th Dec to 24th Dec 2021	Traditional Chinese’s veterinary medicine and techniques
54.	International exchange center for Yangling agricultural HI-TEC demonstration zone china	24th Nov 2021 to 8th Dec 2021	Water Saving Agriculture for Pakistan
55.	Rural Development Academy Bangladesh	21-30 th sep,2021	International online training on Green innovation in agriculture and rural development
56.	Jiangsu Inspection and Quarantine Institute of Quality (JSIQ) china	3 rd to 16 th September,2021	Supervision cooperation in import and export food safety for developing countries
57.	Department of Botany,UVAS	8th September,2021.	International seminar on plant biodiversity and eco system services
58.	International Neuro Oncology webinar Organized by PASNO	on 7th August,2021	Role of palliative and ablative radiotherapy for spinal cord metastases

59.	University Hospital Basel and Geneva university hospital.	17th August 2021	Virtual One health Meet sequencing 2.0
60.	Organized by Webinar vet sponsored by Mind matters	6th September,2021..	International Virtual Webinar on Managing stress with right brain
61.	FMD virtual learning Center for Asia and pacific	Started from 8 th July 2021 onward for 4 Weeks	4 week FMD training course for Asia
62.	FMD VIRTUAL LEARNING CENTER FOR ASIA AND PACIFIC	12 th March,2021	Simulation exercise for animal disease emergencies
63.	Food and Agriculture Center of Excellence, Confederation of Indian Industry	7 th June 2021	Prevention and control of Avian Influenza and Covid 19
64.	Aviculture Society Of Pakistan	6 th June 2021	Diagnostic Approach to Avian Diseases
65.	Jiangsu Inspection and Quarantine Institute of Quality (JSIQ) china	May.12 to June.1, 2021	Cooperation in animal epidemic prevention and control for belt and road countries.
66.	The association of General Practitioners of Jamaica	March 23,2021	Antibiotic virtual webinar
67.	Department of Zoology GC UNIVERSITY	May 2021	Malaria vector biology and control
68.	World Veterinary association	2 nd May 2021	WVA-Food security
69.	SANDOZ	2nd march 2021	Antibiotic selection in the management of STD in Jamaica
70.	Islamia University Bahawalpur	25 th May 2021	International webinar on The Nature of cyst nematodes population suppression
71.	Department of Botany GC University	24 th April,2021	Rooftop gardening

72.	Department of Botany GC University	22 nd April 2021	Molecular pathways of cathepsin B in aging and Alzheimer's disease
73.	World veterinary association	14 th April 2021	Impact of covid 19 pandemic on veterinary profession
74.	US LGE,USA	27 th Jan,2021	Maximizing genetic potential with embryo transfer and IVF technology
75.	Department of molecular biology, Virtual university of Pakistan. Conference	18 TH March,2021	The YAK :Lifeline in high mountains
76.	First vet through Webinar vet	17 th March,2021	Veterinary telehealth : remote consulting in 2020and beyond
77.	Burgees Excel through Webinar vet	1 st April,2021	Small mammals, what we afraid to ask?
78.	ICAVESS CONFERENCE, Indonesia	March 28-29,2021	Advanced veterinary science and technologies for sustainable development
79.	Elegance science through Webinar vet	4 th April,2021	Clinical use of Hemp extracts in the management of osteoarthritis in dogs and emergency evidence in their use in the management of neuropathic and acute pain states
80.	Links group through Webinar vet	19 th jan,2021	Animal and domestic abuse: the impact of covid 19 on the link
81.	Nationwide laboratories through Webinar vet	6 th April 2021	Hypercalcemia in dogs and cats-an overview

82.	MARS pet care through Webinar vet	25 April 2021	Periodontal disease through the surgery loupes and the microscope lens
83.	Protein veterinary through Webinar vet	20 April 2021	The skin barrier-a key element in canine atopic dermatitis
84.	The Jamaica Midlife Health Society	2021	Boosting your Future Health: Vaccine or not vaccine
85.	Institute of Plant Protection MNS university Multan	Jan,27-28	Smart Plant Protection conference
86.	ProQuest Education	March 9,2021	Discover HEC resources using summon search and take your research to the next level using RefWorks reference management tool
87.	ProQuest and Economist Intelligence unit	March 11,2021	Sustainability and supply chain-how strong is the link
88.	Kazakh national agrarian research university , Almaty	15-27 feb 2021	Organized Winter school
89.	Department of Veterinary Medicine, UVAS, Lahore	03rd February, 2021	Diarrhea and electrolyte imbalance in ruminants”
90.	ELSEVIER-Science, Technology & Medical Journals	21st January, 2021	Elsevier-HEC Workshop on Journal Indexing in Scopus
91.	ELSEVIER-Science, Technology & Medical Journals	22nd October, 2020	Strengthening Research Planning using Elsevier tools-Scopus, Science Direct & Mendeley
92.	University of Veterinary and Animal Sciences, Lahore-Pakistan	2020	International webinar on cyanide poisoning
93.	ProQuest	19th October, 2020	How to utilize ProQuest Journals, Dissertations and varied content types in teaching and

			research
94.	ProQuest	14th October, 2020	HEC digital library collections for your next scholarly research
95.	ICABSHM 2020, 22nd International Conference on Advanced Breeding Strategies and Herd Management	24-25 , September, 2020	Oral and technical presentation on “Investigation of antibiotics residue’s in raw milk of camel species and milk markets through rapid test kits method”
96.	Agha Khan University	4-6 September, 2020	1st Annual Neuro Oncology Symposium (IANOS)
97.	Digital Pathology Palace, United Kingdom	21st of July, 2020	Active participation during the 5th X-Wow (Establishing Cancer Diagnosis without borders) Lecture: Veterinary Pathology Demystified by Dr. Aleksandra Zuraw
98.	Molecular Virology, University of Essex Honorary Senior Research Fellow, Imperial College, London, United Kingdom	31st of July, 2020	Active participation during 6th X-WOW (Establishing Cancer Diagnosis without Borders” Lecturer “Veterinary Public Health and Zoonosis” by Dr. Efstathios (Stathis) Giotis.
99.	University of Southern Mississippi, USA	4th of August, 2020	Active participation during the 7th X-WOW (establishing cancer diagnosis without borders) Lecture “Parasite: Friends or Foe? Seeing the eyes of a long term partner” by Abdulsalam Adegoke

100.	Institute of Biochemistry and Biotechnology, University of Veterinary and Animal Sciences, Lahore	21st of August, 2020	International webinar on COVID-19 (Biochemical Diagnosis & Community Response)
101.	Emerging respiratory viruses including COVID-19: methods for detection, prevention, response and Control.	16th of August, 2020	Health Emergencies program, World Health Organization
102.	Infection prevention and control (IPC) core components and multimodal strategies	21st of August, 2020	Health Emergencies program, World Health Organization
103.	E-conference promoting Applied Sciences in Pakistan- 2020	20-21 July, 2020	Conference organized by University of Cambridge, United Arab Emirates University and National University of Sciences and Technology, Pakistan
104.	The Alzheimer's Association International Conference 2020 (Virtual Event)	27-31 July 2020 (Annual Conference)	ISTAART Professional interest area scientific sessions and business meetings 3-14 August, 2020
105.	United States Department of State Global Innovation Through Science and Technology Initiative (GIST)	16th of July, 2020 to 14th of August, 2020	GIST-U.S – Pakistan Startup Training
106.	Future Learn, Health Education England	03 week 2020	Safeguarding Adults: Level 3 Training
107.	FMD VIRTUAL LEARNING CENTER FOR ASIA AND PACIFIC	1st Feb, 2020	FMD investigation training course for south Asia (FITC3)
108.	FMD VIRTUAL LEARNING CENTER FOR ASIA AND PACIFIC	31st Dec, 2020	Introduction to Lumpy skin disease
109.	GC University, Lahore	29th Jan 2019	Extraction Method for commercialization of Herbal Products.
110.	LUMS, Lahore	9-13 July 2018, Lahore	Senior Management Program for UVAS

111.	Punjab Halal Development Agency	18th April 2018,Lahore	Halal Food Safety Standards
112.	USAID/RTI Innovations	20th August - 13th September 2018 ,Dubai	Pak-US S&T start up and ideation training program
113.	University of Tennessee Center for Agriculture and Food Security and	21st to 26th July, 2018	One Health Training on Curriculum Development
114.	Preparedness. Venue at Bali Indonesia National Centerfor Rural Development	12-16Feb 2018	Role of livestock in rural economy for income generation
115.	University of Tennessee Center for Agriculture and Food Security and Preparedness. Venue at Thailand. Bangkok	5-12 Jan,2018	Isolating emerging infectious pathogens during disease outbreak.
116.	The Lanzhou Veterinary Research Institute CAAS, China	10-24 September 2017	International training on Major TBD FMD,PPR,Sheep/Goat pox Diagnosis Technology
117.	University of Washington. Northwest center of Public Health, USA	October 2017	Analysis and Interpretation of Public Health Data, Part 2
118.	University of Washington. Northwest center of Public Health, USA	October 2017	Analysis and Interpretation of Public Health Data, Part 2
119.	University of Washington. Northwest center of Public Health, USA	October 2017	Basic Infectious Disease Concepts in Epidemiology
120.	University of Sydney	August 2017	Introduction to learning and teaching in Higher Education
121.	University of Tennessee and Jordan University, Jordan	April 2017	International training on Disease prevention and Control.
122.		May 2017	Bioterrorism and Biosecurity

123.	University of Dundee	April,2017	Antimicrobial Resistance
124.	Arizona State University	February 8, 2017	Teach English Now! Theories of Second Language Acquisition
125.	University of Pennsylvania on Coursera	January 21, 2017"	"Entrepreneurship 1: Developing the Opportunity. Certificate.
126.	ArizonaState University on Coursera.	December 21, 2016"	"Teach English Now! Foundational Principles
127.	University of Cape Town on Coursera.	December 28, 2016"	"Becoming a changemaker: Introduction to Social Innovation
128.	IBA Karachi	HEC,2015	Leadership and Change management
129.	UVAS, Lahore	2015	Data Analysis
130.	HEC ,Islamabad	Feb,2013	Corporate Social Responsibility
131.	ASF, Lahore	Feb 2012	Global Gap , Livestock Farm Management
132.	University of Veterinary and animal Sciences, Lahore	2012	Livestock Emergency Guidelines
133.	University of Veterinary and animal Sciences, Lahore	Sept.2011	National Necropsy Workshop
134.	University of Agriculture ,Faisalabad	June2011	Workshop on Strengthening Extension Skills in Young Professionals in Afghanistan and Pakistan
135.	University of Minnesota, USA	2010	Department of Environmental Health and Safety (DEHS). The training information was broken into the following categories:

			<p>Biological Materials Chemicals and Other Substances Equipment and Protective Clothing Chemical Waste Public and Facility Safety Radioactive Materials Research Safety Supervision Animal allergens exposure control program. Blood borne pathogen exposure control program Respiratory protective program for lab animal allergens Personal protective equipment for animal care and use.</p>
136.	University of Minnesota	2010	<p>ROHP trainings: General Information Zoonotic diseases Allergens Gastrointestinal diseases Tetanus</p>
137.	University of Minnesota	2010	<p>Standard operating procedures in Necropsy: Specimen Handling, Safety in the BSL-2 Necropsy Lab Facility, BSL-3 Necropsy Lab Specimen Handling Facility, BSL-3 Necropsy Lab Personnel Entry and Exit BSL-3 Specimen Receiving: Identification and Communication Specimen Handling, BSL-3 Suspect Specimen Receiving, Initial Containment, Transport and</p>

			Decontamination
138.	University of Minnesota	2010	<p>IACUC Training on Animal Use. Part I: Ethics of Animal Use in Research</p> <p>Laws and regulations</p> <p>Reporting Concerns Other guidelines</p> <p>Pain and distress</p> <p>Part II: Use of Animals in Research & Teaching at the U</p> <p>Animal Care and Use Protocol (ACUP) Form</p> <p>Certification for animal use</p> <p>Additional Training</p> <p>Research Occupational Health Program</p> <p>Humane Treatment of Animals Research Animal Resources (RAR) Other</p> <p>University Policies and Groups</p> <p>Part III: Biomedical Research Animal Use</p> <p>Minimizing pain and distress in laboratory animals</p> <p>Relief of pain and distress</p> <p>Surgery</p> <p>Euthanasia Procedures</p> <p>Husbandry and Housing</p> <p>Safety and Security</p>
139.	University of Minnesota	2010	<p>Ref Works: Training on the use of Ref Works software for preparing manuscripts for publication</p>
140.	University of Minnesota	2010	<p>Mouse Necropsy Workshop</p>

141.	International Centre for Genetic Engineering and Biotechnology, Italy	2010	Molecular Methods in Leishmania Research
142.	University of Veterinary and Animal Sciences	2009	Workshop on research projects
143.	International Centre for Genetic Engineering and Biotechnology, New Delhi, India	2008	Molecular Methods in Malaria Research.
144.	University of Veterinary & Animal Sciences, Lahore, Pakistan.	2007	One month certificate course on Research
145.	University of Veterinary & Animal Sciences, Lahore, Pakistan.	2006	RT-PCR for diagnosis of Foot and mouth disease.
146.	University of Veterinary & Animal Sciences, Lahore, Pakistan.	2006	Immunoassay for diagnosis of Foot and Mouth Disease.
147.	University of Veterinary & Animal Sciences, Lahore, Pakistan.	2005	Preparation and Evaluation of Rabbit anti buffalo IgG antibody Turnip Peroxidase Conjugate
148.	University of Veterinary & Animal Sciences, Lahore, Pakistan.	2005	Cultivation and Maintenance of BHK-21 cell line.
149.	University of Veterinary & Animal Sciences, Lahore, Pakistan.	2006	Preparation & Evaluation of Trivalent Foot & Mouth Vaccine
150.	Planning and Evaluation cell, GTZ, L&DD Lahore, Pakistan.	2000	Microsoft Access.
151.	Planning and Evaluation cell, GTZ, L&DD Lahore, Pakistan.	2000	Scanner Applications.
152.	British Council, Lahore, Pakistan.	2000	M.S Word processing.
153.	Population welfare training institute Lahore, Pakistan.	1991	Population and development objectives.

COURSES ATTENDED

Sr. #	Institution	Year	Topic
1	Kazakh National Agrarian Research University, Kazakhstan	3-15 June 2024	Summer School 2024
2	Kazakh National Agrarian University, Kazakhstan	26th of May, 2020 to 9th of June, 2020	Organized Winter School
3	Kazakh National Agrarian Research University, Kazakhstan	15-27 Feb, 2021	Innovative Development of the Agro-Industrial Complex in the context of Economic Globalization
4	Horticulture society GC university Lahore	24 th April, 2021	Rooftop gardening
5	Department of Botany GC University Lahore	22 nd April 2021	Molecular pathways of cathepsin B in aging and Alzheimer's disease
6.	World Veterinary Association	14 April 2012.	Impact of covid 19 pandemic on the veterinary profession – ongoing assessment
7.	Caribbean College of Family Physicians Jamaica Chapter	31 st January, 2021	Infectious diseases, ethics and emergency medicine workshop
8	Vet Show Academy, London	01 st December, 2020	How to build Good Veterinary Workshop in Vet Show Autumn Series 2020
9	Kazakh National Agrarian Research University, Kazakhstan	3-4 December, 2020	Innovative Development of the Agro-Industrial Complex in the context of Economic Globalization
10	Vet Show Academy, London	1 st December, 2020	How to build good veterinary workplaces
11	IVSA, Pakistan	3 rd to 4 th , November, 2020	International conference on "One Health 2020" organizing on the day of "World One Health Day"

12	International Veterinary Student Association	3-4, November, 2020	International Conference on one health 2020.
13	International Veterinary Student Association (IVSA) Pakistan, Bahawalpur	10th October, 2020	Emphasizing Veterinary Mental Health
14	ProQuest, Dubai	14th October, 2020	HEC Digital Library Collections for your next scholarly research
15	Coursera: UCDAVIS	23rd of August, 2020	Equine Welfare and Management
16	Coursera: University of Toronto	30th of August, 2020	Mind Control: Managing your mental health during COVID-19
17	Coursera: University of Alberta	31st of August, 2020	Bugs 101: Insect-Human Interaction
18	Global Alliance for Rabies Control	21st of July, 2020	Animal Handling and vaccination certificate
19	Coursera: University of Pennsylvania	07th of July, 2020	Feeding the world
20	Coursera: ILLINOIS	20th of July, 2020	Sustainable food production through livestock health management
21	Coursera: University of Edinburgh	30 th of June, 2020	Animal Behavior and Welfare
22	Coursera: Arizona State University	08 th of February, 2017	Teach English Now! Theories of Second Language Acquisition
23	Coursera: University of Pennsylvania	21 st of January, 2017	Entrepreneurship 1: Developing the opportunity
24	Coursera: Arizona State University	21 st of December, 2016	Teach English Now! Foundational Principles
25	COURSES ATTENDED IN CONNECTION WITH POST DOC RESEARCH <u>Medical Entomology</u> Course (EN 5275) during Fall 2010 at University of Minnesota, USA		

HONORS

Year	Description
2010	Commonwealth Veterinary Medical Association 2010- till now
2011	Medical and biological sciences Fellowship, HEC.UMN, USA.
2008	NATIONAL AWARDS: Star Laureate Award on Women in Science and Technology

EDUCATION ADMISTRATION

● Dean Faculty of veterinary sciences
● Principal officer students affairs
● Member of curriculum/Syllabi review committee of Pakistan veterinary medical council for the review of post-graduation degree program
● Chairperson Department of Clinical Medicine and Surgery for three years
● In charge 24/7 Extension service i.e. 2012 to date
● Director ICE&E
● Executive Director Office of University Advancement and Financial Aid (Twice)
● Associate Director Student Affairs
● Convener Assessment Team for PhD Pharmacology and Toxicology
● Convener Assessment Team for MPhil Microbiology
● Head Examiner Veterinary Preventive Medicine -1,2020,2021 & 2022
● Head Examiner Medicine Clinic-1,2020
● Head Examiner Veterinary Internal Medicine-1,2023
● Head Examiner General and Systemic Veterinary Medicine ,2021 and 2022
● Examiner DVM Internship 10 semester 2020
● Chief Supervisor Civic Engagement Project
● Member Syndicate as Professor
● Convener Medicine Arrangement Committee for Flood affected areas 2022
● Convener Press Coverage and Event Capturing Committee UVAS Convocation
● Patron Still and Films, Vets Care, Vets Crescent ,Artistry Hub and IVSA UVAS
● Convener BEF awareness committee
● Head Zone Anti rigging Committee
● Member Gender Mainstreaming Committee
● Convener committee for selection of Head Girl/Chief Proctor
● Convener Building and Works Committee for International Accreditation of UVAS DVM degree Program
● Member Board of Faculty ,FAPT.2019-2022
● Involved in UG teaching at KBCMA, Narowal
● Convener Media and Photography Committee Spring Festival UVAS
● Convener Working Group on Poor Branding of Universities (Phase -1)

<ul style="list-style-type: none"> ● Convener Finance Committee IBC,2019
<ul style="list-style-type: none"> ● Organizing Member Bovine Udder Health Symposium 2018,2019 ● Chief Organizer ICHS,2023
<ul style="list-style-type: none"> ● Collaborations with other organizations Panchi Versa Foundation, WWF, Brooke Pakistan, Ghazi Brothers. Prix Pharmaceuticals.
<ul style="list-style-type: none"> ● Subject Expert for Selection Boards of IUB, BZU, University of Agriculture DI Khan
<ul style="list-style-type: none"> ● Expert Reviewer for applications University of Agriculture Multan ● Focal Person for MOU LVRI, Brooke Pakistan.
<ul style="list-style-type: none"> ● Convener Assessment team for PhD Microbiology ● Convener for Media. Publication and photography committee at Spring Festival City Campus , ● Convener Gender Mainstreaming Committee ● Convener monitoring and advisory committee , Continuing education and extension ● Convener Institutional Harassment committee
<ul style="list-style-type: none"> ● Organized The national level Consultative Meeting on Foot and Mouth , om march 03 ,2025

ACADEMIC ACHIEVEMENT

Development of Tick-born disease diagnostic laboratory at Department of Veterinary Medicine, UVAS under PAK-US technology development fund.