

CURRICULUM VITAE

Aneela Zameer Durrani

PERSONAL DATA:

Date of Birth: April 21, 1969
Citizenship: Pakistan.
CNIC 373012125959-6

PRESENT: POSITION

Professor of Medicine, UVAS, Lahore.
Chairperson, Department of Clinical Medicine and Surgery.
In charge UVAS 24/7 Extension service
Director, Office of research innovation and Commercialization (ORIC)
University of Veterinary and Animal Sciences, Lahore, Pakistan
27th April 2016 to date.
Phone: 092-03234032673; E-Mail aneela_nadeem8@hotmail.com.
Director, Nobel Foundation (Private, NGO)

PREVIOUS POSITIONS:

Punjab Livestock and Dairy Development Department, Lahore
1991-1992: Veterinary Officer, Extension and Animal Health
1992-1994: Women Livestock Production Officer
1994-1997: Co-ordinator Women Extension Programme
1997-2001: Technical officer, GTZ Project
2001-2002: Veterinary Officer, Extension and Animal Health
University of Veterinary and Animal Sciences, Lahore, Pakistan.
2004-2005: Lecturer, Inst of Continuing Education and Extension
2005-2006: Asst Prof, Inst of Continuing Education and Extension
2006-2009: Asst Prof, Dept Clinical Medicine & Surgery to date
with additional duty as Director Continuing Education and
Extension till 19-7-2010.

Pakistan Dairy Development Company
2008-2009: Training Manager, Vocational and Rural Women

EDUCATION:

Doctor of Veterinary Medicine, College of Veterinary Sciences,
University of Agriculture Faisalabad, Lahore, Pakistan, 1988.
M.Sc. (Hons), Veterinary Parasitology, College of Veterinary Sciences,

University of Agriculture Faisalabad, Lahore, Pakistan. 1991.

Ph.D., Veterinary Medicine, University of Veterinary and Animal Sciences, Lahore, Pakistan. 2008.

Post Doc ,Medical and Biological Sciences, University of Minnesota, 2011.

PROFESSIONAL AFFILIATIONS:

Pakistan Veterinary Medical Council
Pakistan Society of Parasitology
Alumni Association, University of Vet and Anim Sci, Lahore
Vets Care Organization. Univ of Vet and Anim Sci, Lahore
SAVER's. University of Veterinary and Animal Sciences, Lahore
Poster & Art club, University of Veterinary and Animal Sciences, Lahore
Executive Member Society for Prevention of Cruelty to Animals, Lahore
Indian Society for Advancement of Canine Practice, India
Indian Association of Public Health Veterinarians, India
Third World Association for Women in Science
Society for Conservation of Environment, Pakistan
Country Councilor, Commonwealth Veterinary Association
Patron, Vet Crescent Society, Uni of Vet and Anim. Sci, Lahore
Patron Vets Care Society, Lahore
American Society of Rickettsiology.
Zoological; society of Pakistan
Society for Extension Education, Agra, India
Director, Nobel Foundation, Lahore.
Member steering committee, WWF, Pakistan.

NUMBER OF YEAR EMPLOYED IN UVAS: 12 years

SUBJECT TAUGHT DURING 2012-13:

Sr. No	Subject	Class
1	General Medicine	DVM
2	Systemic Medicine-I	DVM
3	Systemic Medicine-II	DVM
4	Medicine Clinic-I	DVM
5	Medicine Clinic-II	DVM
6	Biotechnology in Animal Health	M.Phil/PhD
7	Veterinary Medicine and Human Health	M.Phil/PhD
8	Advanced Readings in Veterinary Medicine	M.Phil/PhD

TRAININGS ATTENDED:

Institution	Year	Certificate
HEC ,Islamabad	Feb,2013	Corporate Social Responsibility
ASF, Lahore	Feb 2012	Global Gap , Livestock Farm Management
University of Veterinary and animal Sciences, Lahore	2012	Livestock Emergency Guidelines
University of Veterinary and animal Sciences,Lahore	Sept.2011	National Necropsy Workshop
University of Agriculture ,Faisalabad	June2011	Workshop on Strengthening Extension Skills in Young Professionals in Afghanistan and Pakistan
University of Minnesota,USA	2010	<p>Department of Environmental Health and Safety (DEHS).</p> <p>The training information was broken into the following categories:</p> <p>Biological Materials</p> <p>Chemicals and Other Substances</p> <p>Equipment and Protective Clothing</p> <p>Chemical Waste</p> <p>Public and Facility Safety</p> <p>Radioactive Materials</p> <p>Research Safety Supervision</p> <p>Animal allergens exposure control program.</p>

		<p>Blood borne pathogen exposure control program</p> <p>Respiratory protective program for lab animal allergens</p> <p>Personal protective equipment for animal care and use.</p>
University of Minnesota	2010	<p>ROHP trainings:</p> <ul style="list-style-type: none"> • General Information • Zoonotic diseases • Allergens • Gastrointestinal diseases • Tetanus
University of Minnesota	2010	<p>Standard operating procedures in Necropsy:</p> <p>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 Decontamination</p>
University of Minnesota	2010	<p>IACUC Training on Animal Use.</p> <p><i>Part I: Ethics of Animal Use in Research</i></p> <p>Laws and regulations</p> <p>Reporting Concerns</p> <p>Other guidelines</p> <p>Pain and distress</p> <p><i>Part II: Use of Animals in Research & Teaching</i></p>

		<p><i>at the U</i></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</p> <p>Research Animal Resources (RAR)</p> <p>Other University Policies and Groups</p> <p><i>Part III: Biomedical Research Animal Use</i></p> <p>Minimizing pain and distress in laboratory animals</p> <p>Relief of pain and distress</p> <p>Surgery</p> <p>Euthanasia</p> <p>Procedures</p> <p>Husbandry and Housing</p> <p>Safety and Security</p>
University of Minnesota	2010	RefWorks: Training on the use of RefWorks software for preparing manuscripts for publication
University of Minnesota	2010	Mouse Necropsy Workshop
International Centre for Genetic Engineering and Biotechnology, Italy	2010	Molecular Methods in Leishmania Research
University of Veterinary and Animal Sciences	2009	Workshop on research projects
International Centre for Genetic Engineering and Biotechnology, New	2008	Molecular Methods in Malaria Research.

Delhi, India		
University of Veterinary & Animal Sciences, Lahore, Pakistan.	2007	One month certificate course on Research
University of Veterinary & Animal Sciences, Lahore, Pakistan.	2006	RT-PCR for diagnosis of Foot and mouth disease.
University of Veterinary & Animal Sciences, Lahore, Pakistan.	2006	Immunoassay for diagnosis of Foot and Mouth Disease.
University of Veterinary & Animal Sciences, Lahore, Pakistan.	2005	Preparation and Evaluation of Rabbit anti buffalo IgG antibody Turnip Peroxidase Conjugate
University of Veterinary & Animal Sciences, Lahore, Pakistan.	2005	Cultivation and Maintenance of BHK-21 cell line.
University of Veterinary & Animal Sciences, Lahore, Pakistan.	2006	Preparation & Evaluation of Trivalent Foot & Mouth Vaccine
Planning and Evaluation cell, GTZ, L&DD Lahore, Pakistan.	2000	Microsoft Access.
Planning and Evaluation cell, GTZ , L&DD Lahore, Pakistan.	2000	Scanner Applications.
British Council, Lahore, Pakistan.	2000	M.S Word processing.
Population welfare training institute Lahore, Pakistan.	1991	Population and development objectives.

PUBLICATIONS:

1. Poultry Management handbook for rural women.(in Urdu).
2. Urdu booklet on Theileriosis and PPR for farmers.
3. Importance of water, Importance of teddy goats. (Urdu article for farmers in local magazine Chopal)
4. The Black Jewel of Pakistan, classification, breeds and potentiality of buffalo in Pakistan. The Professional Times, October 2004.

5. The Sahiwal Cattle of Pakistan. The Professional Times. Feb 2005.
6. Role of Rangelands and Livestock in Punjab, The fulfillment of the basic Subsistence needs of the pastoral communities. The Professional Times.Feb 2006.
7. Developed 20 training modules and flip chart series for rural women training Nestle CELDEC project. Modules for vocational training of field staff –Farm production advisors, Community farm advisors, Regional extension officers of Pakistan Dairy Development Company.
8. Handbook of prevalent diseases in field in Punjab.
9. Hand book on Diagnostic techniques in Parasitology
10. Famous Livestock Breeds of the Punjab, Pakistan. January 2000.
11. Proceedings on expert consultation on breeding status and Future policy requirements for increased productivity 27th to 30th April, 1997. Held at Lahore, Pakistan.
12. Proceedings of Conference on successful and sustainable livestock organizations.26th to 29th Octobar, 1999. Held at Lahore, Pakistan.
13. Developed Training Manual for National Rural Support Programme, Balochistan Environmental Education Journey, Quetta.Baluchistan,DOABA foundation, Awaaz Foundation etc. for field AIT's and Extension workers.(2011).
14. Veterinary Clinical Medicine and Epidemiology .Text Book for Livestock Assistant Two Years Diploma course.

PEER REVIEWED PUBLICATIONS:

1. 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).
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).
3. A.Z. Durrani,N. Kamal and M.S. Khan (2007). Prevalence of Fasioliosis 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.
4. 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.
- 5, A.Z. Durrani,M. Ashraf, A. Mukhtar, N.Kamal and N. Mumtaz (2008).Prevalence of Theileriosisin Buffalo through Blood Smear Examination and PCRin District Lahore. J Animal and Plant Science, 18(2-3):57-60.
6. A.Z. Durrani, A.R. Shakoori and N. Kamal (2008). Bionomics of Hyalomma ticks in three districts in Punjab, Pakistan. J Animal and Plant Science, 18(1):20-23.

7. 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.
8. 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.
9. A.Z. Durrani and N. Kamal (2007) 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.
10. A.Z. Durrani, A. Maqbool, N. Mahmood, N. Kamal and A.R. Shakoori (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.
11. A.Z. Durrani and A.R. Shakoori (2009) Study on Ecological Growth Conditions of Cattle Hyalomma tick in Punjab, Pakistan. *Iranian Journal of Parasitology*. 4(1) : 24-30.
12. A.Z. Durrani, A.R. Shakoori, 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.
13. A.Z. Durrani, N. Kamal, A.R. Shakoori and N. Mehmood (2011). Prevalence of Ovine Theileria Species In District Lahore, Pakistan. *Pakistan J. Zool.*, Vol 43(1) : 57-60..
14. A.Z. Durrani, N. Kamal, A.R. Shakoori and R.M. Younus (2010). Prevalence of post parturient haemoglobinuria in Buffalo and therapeutic trials with toltrimfos sodium and tea leaves in Pakistan. *Turkish J. Vet. Anim. Sci.* 34(3):25-28.
15. A.Z. Durrani, A.R. Shakoori and N. Mehmood (2010). Prevalence of Peste des Petits Ruminants (KATA) in Sheep and Goats of Punjab. *Pakistan J. Zool.*, 42(3): 211-216.
16. 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..
17. 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
18. 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.
19. 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.

20. A.Z.Durrani and S.M.Goyal.(2011). Seroprevalence of *Borrelia burgdorferi* in Horses in Minnesota .J.Equine Science.31(8):427-498.
21. A.Z.Durrani and S.M.Goyal.(2012). Seroprevalence of *Borrelia burgdorferi* in Dogs in Minnesota .Turkish J. Vet. Anim. Sci. 36(2): 137-141
22. 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.
23. 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.
- 24.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
25. Aneela.Z.Durrani, Muhammad Younus*,Imtiaz Ahmad.(2016).Clinicopathological Study Of Deg Nala Among Buffaloes And Cattle In Muridkey And Narang Mundi In Punjab, Pakistan.submitted to Turkish Journal of Veterinary and Animal Science. (Accepted for publication,In Press).
26. S. 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.
27. Aneela.Z.Durrani, ,Imtiaz Ahmad.(2012). Participatory Disesae Surveillance of Transboundary Animal Diseases in South Azad Jammur & Kashmir.Pakistan J. Zool., vol. 47(3), pp. 857-860, 2015.

28. 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.
29. 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.
30. 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)
31. M. Saeed, A.Z. Durrani, M.A. Khan, A. Maqbool, M. Avais, M. Ijaz, I. Ahmad, M. Younus, K. Mehmood, M. Siddiqar S.Naz.(2016). Prevalence of bovine and bubaline cysticercosis in Punjab, Pakistan. *J. Anim. Plant Sci.*, 26 (2)
32. M. Saeed, A.Z. Durrani, M.A. Khan, A. Maqbool, M. Avais, M. Ijaz, I. Ahmad, M. Younus, K. Mehmood, M. Siddiqar S.Naz.(2016). *Cysticercous bovis* induced haematological and biochemical changes in cattle and buffalo. *J. Anim. Plant Sci.*, 26 (3).
S.
33. Ahmad I. A.Z. Durrani, M.S. Khan, K. Ashraf, M. Avais, M. Ijaz, M.H. Saleem, M. Saeed, N. Ahmad, K. Hameed. (2016). Fasciolosis in Small Ruminants and its association with higher altitude regions of Azad Jammu and Kashmir. *Pakistan. J. Anim. Plant Sci.*, 26 (6)
34. Ahmad I., A. Z. Durrani¹, M. S. Khan¹, K. Ashraf, M. Avais, M. Ijaz, M. H. Saleem, N. Ahmad, M. Saeed¹, N. Mehmood, K. Hameed. (2017) Morphometric and Molecular Identification of Fasciolids at different Altitudes of Azad Jammu and Kashmir. *Pakistan. J. Anim. Plant Sci.*, 27(1) pp:
- 35, 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 caelipinia* and oxclozanide against Fasciolosis in naturally infected sheep in Rawalakot AJK, Pakistan. *World Journal of Zoology* 10(2) pp 118-123.

36. 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.

37. Sadaqat Ali, Muhammad Ijaz,Aneela Zameer Durrani, Azhar Maqbool,Muhammad Mudassir Ali and Khalid Mehmood(2016)Epidemiological Aspects of Bovine Tick Infestationin the River Ravi Region, Lahore1.Pakistan J. Zool., vol. 48(2), pp. 563-567.

38. 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.

39. Sidra Aslam, Aneela Zameer Durrani, Muhammad Rizwan and Muhammad Kashif. Comparative Efficacy of Metronidazole in Combination Colistinsulphate and Probiotics against *Clostridium Perfringes* and Their Effects on Histopathological Features of Visceral Organs in Broiler. *Veterinaria.*, 2016.vol. 4, pp. 11-17.

40. M. Saeed 1 , A.Z. Durrani 1 , M.A. Khan 1 , A. Maqbool 2 , M. Avais 1 , M. Younus 3 , A. I. Aqib 1 , I. Ahmad 1 and M. Ijaz. *Cysticercus Bovis* Induced Hemato-Biochemical Changes In Cattle And Buffaloes. 2016. *J. Anim. Plant Sci.* 26(3):2016. Pp.

Haq Aman Ullah1, Aneela Zameer Durrani, Muhammad Ijaz and Aqeel Javeed. Aflatoxin B1 Contamination Status of Concentrate Feeds of Dairy Goats in Lahore, Pakistan. *SJA.*,32(2): 57-61

COURSES ATTENDED IN CONNECTION WITH POST DOC RESEARCH

Medical Entomology Course (EN 5275) during Fall 2010 at University of Minnesota,USA.

The course contents were:

Introduction to vector pathogen and their Interaction.
Morphological/physiological adaptations of vectors.
Global change and emergence of vector borne diseases.
Mosquitoes- identification and biology.
Public health perspectives, current issues in Minnesota.
Mosquitoes and Viruses.
Mosquitoes and Malaria
Vector population dynamics-1.
Vector population dynamics-2
Epidemiology.
Fleas and plague.
Leishmaniasis and phlebotomine flies
African trypanosomiasis and Tsetse flies
South American Trypanosomiasis and Reduviid bugs
Muscoid flies and myiasis
Onchocerciasis and Blackflies.
Human immunity: responses to vector borne pathogens.
Lice and louse borne rickettsiosis
Bedbugs make a comeback
Tick biology surveillance and control

Tick borne diseases
Emerging tick borne diseases
New age vector control

NATIONAL AWARDS :

Star Laureate Award on Women in Science and Technology,2008.

CONFERENCES ATTENDED: National 10 and International 20.

PAPER PRESENTED ON INTERNATIONAL CONFERENCES: 4.Travel Grants Won: One from HEC and three from PARB.

REVIEWER OF JOURNALS:

African Journal of Microbiology Research.

Journal of International Business Management (JIBM) ISSN:. 2224-6800. Pakistan

Journal of Animal & Veterinary Advance Research (JAVAR) ISSN:. 2224-2406.Pakistan.

African Journal of Biotechnology, ISSN 1684-5315,ISI Indexed Journal; impact factor 0.568

Journal of Buffalo Science,1927-520X

LINKAGESWITH ORGANIZATIONS:

The Brooke Pakistan. Assessed and certified as Director ICE&E ,UVAS CHW course trainees at Shadara,Peshawar and Karachi.

Dairy and Rural Development Foundation: Regular monthly assessments of WLEW of DRDF ,USAID project at Vehari, Multan. Certifying Farm Manager batches of DRDF project on monthly basis as Incharge 24/7 extension service,UVAS.

WWF, Pakistan.coordinated training if farmers at Nathia Gali.Member Steering Committee.

Common wealth Veterinary association: Country Councillor from Pakistan.

Kissan Wing: Regularly contributing to the magazine. Coordinating training of farmers.

PROJECTS WON :

1. **Epidemiology of Theileriosis in Bovine.(completed) (NRPU, HEC)**
2. **Bacterial, Viral and Parasitic Causes of Foal Diarrhoea .(In progress, NRPU, HEC))**
3. **Civic Engagement Project (extension Peoject).(In progress,Funded by USA).**