

## CURRICULUM VITAE

March, 2019

### 1. PERSONAL INFORMATION

**Name:** PROF. DR.UMER SADIQUE KHATTAK

**Address:** Department of Animal Health, Faculty of Animal Husbandry and Veterinary Sciences,  
The University of Agriculture Peshawar.  
Phone Office: 0092 91 9221027, Mobile No: 0092 300 9030316

**Languages:** **English** (Writing, Reading, Listening, Speaking)  
**Urdu** (Writing, Reading, Listening, Speaking)  
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### 2. PRESENT TITLE AND AFFILIATION

**Professor:** Department of Animal Health, FAH&VS  
The University of Agriculture Peshawar-Pakistan

### 3. PROFESSIONAL EXPERIENCE (30 years)

**2014-todate** **PROFESSOR** Pathology, Department of Animal Health, FAH&VS  
The University of Agriculture Peshawar-Pakistan

**2012-2014** **ASSOCIATE PROFESSOR** Pathology, Department of Animal Health, FAH&VS  
The University of Agriculture Peshawar-Pakistan

**2010-2012** **ASSISTANT PROFESSOR** Pathology, Department of Animal Health, FAH&VS  
The University of Agriculture Peshawar-Pakistan

**2005-2010** **LECTURER** Pathology, Department of Animal Health, FAH&VS  
The University of Agriculture Peshawar-Pakistan

- 1996-2005**                    **LECTURER**, Agriculture Training Institute, Directorate of Livestock and Dairy Development Peshawar-Pakistan
- 1989-1996**                    **VETERINARY OFFICER**, Directorate of Livestock and Dairy Development Peshawar-Pakistan

#### **4. ADMINISTRATIVE EXPERIENCE (8.5years)**

**Chairman Department of Animal Health (From Jan 2011 to 27<sup>th</sup> Aug 2018)**

#### **5. EDUCATION**

- 2007-2010**                    PhD (Pathology), Department of Pathology, Faculty of Veterinary Sciences, University of Veterinary & Animal Sciences Lahore-Pakistan.
- 1987-1989**                    Master of Science (Honors) in Veterinary Pathology, Faculty of Veterinary Sciences, University of Agriculture Faisalabad, Pakistan.
- 1983-1987**                    Doctor of Veterinary Medicine (DVM), Faculty of Veterinary Sciences, University of Agriculture Faisalabad, Pakistan.

#### **6. SKILLS AND INTERESTS**

##### **i) TEACHING/RESEARCH**

- Theory and lab sessions in Biological Sciences (General Microbiology, Animal Physiology and Pharmacology, Clinical Toxicology, General and Systemic Histology, Animal Anatomy, General Pathology, Systemic Vet. Pathology, Vet. Clinical Pathology, Molecular Pathology, Oncology, Poultry Science, Pathology of Diseases of Camel, Ruminant Pathology).
- Isolation, Identification and Molecular characterization of different Pathogens of Animal and Human Being
- Study Pathogenesis of Mycotoxicosis in Avian and Fish species.

##### **ii) ADMINISTRATION**

**Duties performed as Chairman Department of Animal Health (From Jan 2011 to 27<sup>th</sup> Aug 2018)**

##### **Achievements as Chairman**

1. Successfully launched **Two Postgraduate (M. Phil and PhD) Degree Programs** in Subject of Pathology and Theriogenology.
2. Won a grant of **50 Million (Pkr)** project from Khyber Pakhtunkhwa Government for the **Establishment of Fisheries and Aquaculture Academic Block** for Launching of postgraduate Degree program in Fisheries and Aquaculture in the Faculty of Animal Husbandry and veterinary Sciences.
3. Developed PC-I for the **Establishment of Quality Control Lab in Animal Health Department** under the Mega Project “Establishment of Technology Development Centre at the University of Agriculture Peshawar. **1.79 Billion**”

4. **Established Zoonotic Information Resource Center & Zoonotic Disease Diagnostic Laboratory** with the collaboration of Relief International.
5. **Won Research grant of Rs. 4 million from Pakistan Science Foundation (PSF)** on contagious Caprine Pleuropneumonia in goat of KPK.
6. **Won Research grant of Rs. 1.578 million from HEC on TB**
7. **Published 43 research papers** in various National and International impact factor journals & published a book from LAMBERT ACADEMY Germany.
8. Established **Pharmacy Shop at Veterinary Teaching Hospital.**
9. **Signed MoU** with Relief International for establishment of diagnostic facilities and research grants for postgraduate students.
10. **Signed MoU** with Brooks Hospital for establishment of Incinerator at Vet. Teaching Hospital for disposal of organic matters.
11. **Established Farmer Linkages with Mardan Dairy Farmers Association.**
12. **Arranged Field days & Veterinary camps at different areas of KPK including Peshawar, Mardan.**
13. **Arranged a Vet. Camp at Bannu for the IDPs of North Waziristan Agency.**
14. **Established State of the Art Pathology Lab** with advanced molecular diagnostic techniques including ELISA, PCR, Immuno-histochemistry, Histopathology, Toxioco Pathology and biochemical Assays.
15. **Supervised 35 postgraduate students** of the faculty of Animal Husbandry & Veterinary Sciences.
16. Established **Semen Production Unit (SPU)** for providing fresh semen of elite bulls to livestock farming community.
17. Extended research facilities to postgraduate's students of neighboring Universities including **University of Peshawar, Khyber Medical University, Kohat University of Science and Technology, Islamia College University Peshawar, The University of Swat, Abdul Wali Khan University Mardan & University of Veterinary & Animal Sciences, Lahore.**
18. Taught the subject of Systemic Pathology, General Pathology and Poultry Pathology to DVM Students.
19. Taught the subject of Advance General Pathology, Immuno-Pathology, molecular pathology, fish pathology, camel pathology and Pathology of Infectious & non infectious Disease of Poultry to M. Phil and PhD students.
20. Supervised **about 40 staff** members including **24 faculty** and **16 ministerial staff.**
21. About **500 Veterinary Graduates** successfully completed their degrees under the supervision of chair.
22. Review Projects of different Donor Agencies including **HEC, PSF, TUBITEC, PAK-USAID and ALP.**

### iii) **RESEARCH**

Histology; Histopathology; Immunohistochemistry; Blood chemistry; Urinalysis; PCR; Chromatography Enzyme Linked Immunosorbent Assay (ELISA); Food & Feed Mycology; Mycotoxins testing; Food and Feed chemistry; Bacteriology; Confocal & Fluorescent Microscopy; Isolation, identification and Molecular characterization of different bacteria including Mycoplasma, salmonella, E.coli, Mycobacterium, strepto and styplococcus.

## 7. **HONORS AND AWARDS**

- **Research Productivity Award**, 2013-14, Ministry of Science and Technology, Pakistan

## **8. RESEARCH PROJECTS**

1. PSF/NSLP/KP-AU (219) Entitled “Prevalence & Molecular Characterization of contagious Caprine Pleuropneumonia Isolates in Small Ruminants in Khyber Pakhtunkhwa (**3.99 millions**). (**COMPLETED**)
2. No. 20/4718 R&D/NRPU/HEC/2014 “Molecular epidemiology of Bovine Tuberculosis in dairy animal, dairy products and human being” (**1.578 million**). (**ON GOING**)
3. Molecular Characterization of *Mycoplasma Capricolum* Subsp. *Capripneumoniae* Pakistan strain for the establishment of effective diagnostics and Vaccines Pak-US Science & Technology cooperation program, Phase 7, 2017, HEC, Islamabad, Pakistan (**Rs. 20.47 Million**). **CO-PI**.
4. Establishment of Quality Control Lab in Animal Health Department under the Mega Project “Establishment of Technology Development Centre at the University of Agriculture Peshawar. **1.79 Billion**” (**ON GOING**)
5. Molecular characterization of multi-drug resistant ESBL- and Carbapenamase producing Escherichia coli isolates from bovine milk and broiler chicken in KPK: focusing on dissemination of resistance encoding genes to humans **7.00 million PI(submitted to ALP)**
6. Molecular Characterization of local isolates of *Mycoplasma gallisepticum* for the development of improved diagnostics, treatment and efficient vaccine **6.5 million PI (SUBMITTED TO PSF/NSLP)**
7. Molecular epidemiological and serological studies of newly emerging Enzootic Bovine Leukosis in cattle population of Khyber Pakhtunkhwa province **7.20 million PI(submitted to PSF/NSLP)**
8. Comparative study on molecular difference between Chinese and Pakistan isolates of *Mycoplasma Bovis* from Bovines and its role in differentiation of T cell subsets **7.00 million PSF-NSFC (Pak-China)Co PI**
9. Identification of local isolates of prevalent Tick population in Tick born Hemoparasitic diseases in Dairy cattles for the Development of improved diagnostic, Treatment and efficient Vaccine. **6.88 million (Submitted to PSF/NSLP) Co PI**
10. PK/PD Model for dose optimization of cefquinome against *Pasturella multocida* causing hemorrhagic septicemia in buffalo calf. **2.92 million (ALP APPROVED) CO PI**.

## 9. TEACHING ACTIVITIES

**My 30 years of Professional and intensive teaching experience include Teaching at Bachelor, Master and PhD level. The course I taught are listed below;**

### **At Bachelor Level:**

- |  |         |
|--|---------|
| 1. Applied Anatomy                       | 1 (0-1) |
| 2. General Physiology                    | 3 (2-1) |
| 3. Histopathology                        | 2 (0-2) |
| 4. General Microbiology                  | 3 (2-1) |
| 5. Avian Production and Management       | 3 (2-2) |
| 6. Poultry Pathology                     | 3(2-1)  |
| 7. General Veterinary Pathology          | 4 (3-2) |
| 8. Necropsy Practices                    | 1 (0-2) |
| 9. Systemic Veterinary Pathology         | 4 (3-2) |
| 10. Veterinary Clinical Pathology        | 2 (0-4) |
| 11. Veterinary Medicine and Pharmacology | 4 (3-2) |
| 12. Introduction to Poultry Practices    | 2 (1-2) |

### **At Post Graduate Levels (Master and PhD Scholars)**

- |                                   |         |
|-----------------------------------|---------|
| 1. Pathology of Diseases of Camel | 3 (2-1) |
| 2. Molecular Pathology            | 3 (2-2) |
| 3. Advance General Pathology      | 3 (2-1) |
| 4. Advanced Clinical Pathology    | 3 (1-4) |
| 5. Pathology of Intoxication      | 3 (2-2) |
| 6. Advanced Diagnostic Pathology  | 3 (1-4) |
| 7. Oncology                       | 3 (2-2) |
| 8. Fish Pathology                 | 3 (2-1) |
| 9. Canine Pathology               | 3 (2-1) |
| 10. Wild Life Pathology           | 3 (2-1) |
| 11. Ruminant Pathology            | 3 (2-1) |

## 10. STUDENT SUPERVISION

**M.Phil Thesis (31 Students as Major Supervisor)-Completed**

Sr. No.	Name	Title
1	S. Sajjad Ali Shah	Clinico-pathological studies of Contagious Caprine pleuropneumonia in district Buner and Swat of Khyber Pakhtunkhwa.
2	Hanif ur Rahman	Molecular characterization of Mycoplasma species in small ruminants of district swat & Buner in Khyber Pakhtunkhwa
3	Rahim Ullah Shah	Immuno-Toxicological effects of concurrent oral administration of endosulfan and ochratoxin A in rabbit

4	Rafi Ullah Jan	Toxico-pathological effects induced by concurrent oral administration of ochratoxin-A & endosulfan in pregnant rabbits ( <i>Oryctolagus cuniculus</i> )
5	Muhammad Iqbal	Seroprevalance & clinicopathological studies of toxoplasmosis in goats
6	Nayab Saleem	Seroprevalence of Avian Influenza and infectious bronchitis in poultry birds of District Dir (Lower) Khyber Pakhtunkhwa
7	Farida Tahir	To study the pathogenesis and selection of effective antibiotic for avian Mycoplasmosis (CRD)
8	Mushtaq Ahmad	Zoonotic potential of poultry organs & eggs as source of human infection
9	Azmat Ullah	Pathogenesis, isolation and molecular characterization of <i>M.gallisepticum</i> in naturally infected broiler chicks
10	Arshia Juniad	Use of $\alpha$ -tocopherol to combat ochratoxin A induced toxicities in Avian embryos and hatched chicks
11	Anum Javed	Antimicrobial & histopathological response of <i>Mirabilis Jalapa</i> methanolic extract in broilers
12	Sagheer Ahmad	Role of mycoplasma bovis & staphylococcus aureus in mastitis & its antibiogram in dairy animals of district Peshawar.
13	Abdul Ahad	Genotoxic and histopathological effects of ammonia in common carp, <i>Cyprinus carpio</i> .
14	Tasbeehullah	Table chicken eggs as potential source of drug resistant <i>Escherichia coli</i> in district Peshawar
15	Nazeer Muhammad	Origin, persistence & spread of drug resistant <i>Escherichia coli</i> in broiler chicken at Peshawar
16	Hayatullah	Genotoxic & Toxicopathological effect of aflatoxin B1 in common grass carp ( <i>Ctenopharyngodon idella</i> )
17	Asfandyar Khan	Study on prevalence of drug resistant <i>E.coli</i> in bovine mastitic milk samples in district Peshawar
18	Subhanullah	Therapeutic effect of herbal plants extract in broiler chicken challenged with <i>Coccidia</i> .
19	Faisal Ahmad	Study on toxicopathological effect of ochratoxin A in different species of birds
20	Ibrar Muhammad Khan	Comparison of fresh & frozen semen quality in pure & cross breed cattle bulls
21	Adnan Khan	Effect of different equilibration times on post-thaw cryo-preserved semen quality of cattle & buffalo bulls
22	Zakir Ullah	Effects of Cysteine and Vitamin E addition in extender on post-thaw quality of Achai and Fresien bull semen
23	Abdul Wahab	Assessment of biochemical indicators of Rabbit(Doe), its amniotic fluid and placental morphometry during pregnancy

24	Hamid Rehman	Relationship of Age, breed & libido with semen traits of cattle bulls
25	Chahat Ali	The effect of L-carnitine supplementation on oxidative stress, metabolic & hormonal profile of pregnant rabbit doe
26	Shahzada Khurram Adrian Shah	The Effect of L-Carnitine Supplementation in pregnant rabbit doe on health performance of neonates
27	Shah Murad Khan	Evaluation of two different ovulation synchronization protocols for inducing fertile estrus in Achai cows
28	Majid Ali	Evaluation of the anti-coccidial efficiency of pytogenic (Ginger and Garlic) in broilers.
29	Sumaira Haider	Molecular characterization of HCV Subtypes among HCV positive hepatocellular carcinoma Patients in Khyber Pakhtunkhwa
30	Ibrar Husasin	Molecular Identification and Antibiogram Study of Local Isolates of <i>Mycobacterium Bovis</i> in District Peshawar.
31	Muhammad Faraz Khan	Sero-Prevalence and Hematological Study of Enzootic Bovine Leukosis in Cattle Populations in and Around District Charsadda
32	Junaid Javed	Physicochemical effects of Electroacupuncture combined with Intramuscular Administration of Morphine to provide analgesia in goats.
33	Muhammad Waqas	Physiological & Biochemical Effect of Electroacupuncture Combined With Intramuscular Administration of Xylazine to Provide Analgesia in Goats
34	Sundus	Study on Isolation, Pathogenesis and Susceptability Break Point of Escherichia Coli Against Enrofloxacin
35	Sidra Shehzadi	Study on isolation identification and molecular characterization of clostridium perferinges in goats in district Peshawar.

## PhD Scholars Supervised

1	Muhammad Kamal Shah	Pathogenesis, Molecular Characterization, Chemotherapy And Vaccine Development For Mycoplasmosis In Small Ruminants
2	Asad Ullah	Study on Prevalence And Molecular Characterization of <i>Mycobacterium</i> In Large Ruminant In Central Zone of Khyber Pakhtunkhwa
2	Irfan Khattak	Epidemiology of bovine tuberculosis and its public health significance in Peshawar
3	Umar Farooq	Studies on Pathogenicity and Immunogenicity of Field Strains of Foot and Mouth Disease Virus in Pakistan
4	Said Sajjad Ali Shah	Sero-Prevalence, Molecular Identification And Pathological Study of Theileriosis In Cattle Population of Khyber Pakhtunkhwa

5	Farida Tahir	<b>Molecular Epidemiological and Serological Studies of Newly Emerging Enzoitic Bovine Leukosis in Cattle Population of Khyber Pakhtunkhwa Province.</b>
6	Maryam Iqbal	<b>Combinatorial Therapeutic Potential of Stem Cells and New Chemical Entities for the Attenuation of Liver Fibrosis.</b>

## **11. RESEARCH PUBLICATIONS IN PPER REVIEW IMPACT FACTOR JOURNALS**

### **Number of Publications (43), Impact Factor (I.F = 28.688)**

1. **U, S. Khattak.**, M. Siddique, A. Ahmad and A. Ali (1991). Clinical chemistry and pathological studies of hydropericardium syndrome in broiler chicks. J Ani Health and Prod 11(1-4):51-58. (HEC Recognized Journal)
2. M, Iqbal., M. A. Khan, B. Daraz and **U. Sadique (2004)** Bacteriology of mastitic milk and in-vitro antibiogram of the isolates. Pak Vet J 4(4): 161-164 (**IF: 0.813**)
3. M, Iqbal., M. Amjad, M. A. Khan, M. S. Qureshi and **U. Sidique (2006)**. Comparative efficiency of some indirect diagnostic tests for the detection of sub clinical mastitis in cattle and buffalo. Pak Vet. J., 26(2):73-79. (**IF: 0.813**)
4. M, Iqbal., M. Amjad, M. A. Khan, M. S. Qureshi and **U. Sidique (2006)**. Competitiveness of diagnostic test for sub clinical mastitis. Pak J of Science 58 (1-2): 9-14.
5. Asadullah, R Ahmad, and **U. Sadique**, M. Humayun (2006). Seroservillance of hemorrhagic septicemia in cattle and buffalo in District Malakand. J of Animal and Vet Advances 5(11): 912-915 (**IF: 0.390**)
6. M, Idrees., Z. Mahmood, D. Hussain, M. Shafi and **U. Sidique (2007)**. General problems regarding extension services with livestock and dairy farmers of Peshawar district, Pakistan. Sarhad J. Agric. 23(2): 527-531. (HEC Recognized Journal)
7. M, Idrees., Z. Mahmood, M. Shafi and **U. Sidique (2007)**. Performance evaluation of Extension services of Livestock and Dairy development Department in District Peshawar (NWFP). (2007). Sarhad J. Agric. 23(2):520-526. (HEC Recognized Journal)
8. **U, Sadique**, Z. I. Chaudhry, M. Y. Rana, A. A. Anjum, M. Mushtaq and A. Sajid. (2011). Pathobiological characterization of Contagious Caprine Pleuropneumonia (CCPP) in Small Ruminants of Khyber Pukhtoonkhwa Pakistan. Pak J Zool. (**IF: 0.491**)
9. S, M. Subtain., Z. I. Choudhary, A. A. Anjum, A. Maqbool and **U. Sadique (2011)**. Study on pathogenesis of low pathogenic avian influenza virus H9 in broiler chickens. Pak J Zool . vol 43(5), pp. 999-1008. (**IF: 0.491**)
10. A, Sajid., Z. I. Chaudhary, A. Maqbool, M. A. Anjum, S. Qureshi and **U. Sadique (2010)**. Prevalence of Capripox virus in Slaughter Houses, Goats and Hide Markets in Punjab Province of Pakistan. Pak J Zool. (**IF: 0.491**)



11. Mushtaq M, F. R. Durrani, N. Imtiaz, **Umer Sadique**, A. Hafeez, S. Akhtar and S. Ahmad **2012**. Effect of Administration of *Withania somnifera* on Some Hematological and Immunological Profile of Broiler Chicks Pak Vet J, 32(1): 70-72. **(IF: 0.813)**
12. Hassan Z U, M Z Khan, A Khan, I Javed, **U Sadique** and M R Hameed, **2012**. Effect of ochratoxin a (OTA)-contaminated feed on several health and economic parameters in white leghorn cockerels. Pak Vet J, 32(1): 35-40. **(IF: 0.813)**
13. **U. Sadique**, Z. I. Chaudhry, M. Y. Rana, A. A. Anjum, Z. Hassan, A. Sajid and M. Mushtaq. **2012**. Pathogenesis and Immunohistochemical studies of contagious caprine Pleuropneumonia in experimentally inoculated goat. Pak. Vet. J. 32(3): 427-431. **(IF: 0.813)**
14. Hassan Z U, M Z Khan, A Khan, I Javed, **U Sadique** and A. Khatoon. , 2012. Ochratoxicosis in white leghorn breeder hen: production and breeding performance. Pak Vet J, 32 (4), 557-561. **(IF: 0.813)**
15. **Sadique, U**, Z. I. Chaudhry<sup>1</sup>, M. Y. Rana<sup>2</sup> , A. A. Anjum <sup>3</sup>, Z. Hassan, M. Mushtaq, Sajid and S. Sabtain. **2012**. Molecular Characterization of Contagious Caprine Pleuropneumonia (CCPP) in Small Ruminants of Khyber Pakhtunkhwa, Pakistan. J. Ani. Plant Sci, 22(Supl 2) 33-37. **(IF: 0.422)**
16. Sajid, A. Z. I. Chaudhary, A. Maqbol, M. A. Anjum, **U. Sadique**, M. Idress, Rafiullah and M. Shahid. **2012**. Prevalence of Goatpox Disease in Punjab Province of Pakistan. J. Ani. Plant Sci, 22(Supl 2) 28-32. **(IF: 0.422)**
17. **Sadique U**, Z. I Chaudhry, M. Y Rana, A. A Anjum, M Idrees Z. Hassan, M. Mushtaq and A. Said **2012**. Clinico-pathological study of Contagious Caprine pleuropneumonia CCPP) in Small Ruminants Pakistan. J. Ani. Plant Sci, 22(Supl 2) 45-50. **(IF: 0.422)**
18. Ijaz Ahm a d, Taufeeq Ahm a d Qu reshi<sup>1</sup>, Farhan Anwar Khan, Shah zad Akbar Khan M u ghal, **Umer Sadique**, Zahir Shah, Sarzamin Khan, Zahoor Ul Hassan. 2012. Evaluation of biochemical effects of diclofenac sodium in goats. J Anim Plant Sci, 22(Sup 2). 1-4. **(IF: 0.422)**
19. Muhammad Aftab, Abdur Rahman, Muhammad Subhan Q u reshi, Sohail Akhter, **U. Sadique**, A bdul Sajid and S. Zaman. **2012**. Level of Salmonella in Beef of Slaughtered Cattle at Peshawar. J Anim Plant Sci, 22(Supl 2) 24-27. **(IF: 0.422)**
20. Abdul Sajid, Zafer Iqbal Chaudhary, Azher Maqbol, Muhammad Aftab Anjum, **Umer Sadiue**, Zahid Ali Shah and Muhammad Idrees **2013**. Comparative sensitivity of PCR and cell culture technique for the identification of goatpox virus. J Animal and Plant Sciences, 23(1), 31-34 **(IF: 0.422)**
21. Tanweer, A.J. N. Chand, S. Khan, M. S. Qureshi, **U. Sadique**, A. Akhtar, M. Shakir, A. Sultan, M. Arshad and Alamzeb (2012). Association of peganum harmala l. Supplementation with liver Function test of broiler chicks. Pak. J. Sci.64 (1) 75-79. (HEC Recognized journal)
22. Khan, S. B., **U. Sadique**, F. A. Khan, I. Ahmad, Z. U. Rehman, M. A. Khan, M. Idrees and Z. Shah **(2013)** Factors affecting efficacy and immunological response of peste des petits ruminants (PPR) vaccines in small ruminants. J Animal Plant Sci, 23(Sup 1): 43-46. **(IF: 0.422)**
23. Khan, M. A. , A. H. Shah, A. Maqbol, S. B. Khan<sup>1</sup>, **U. Sadique** and M. Idress **(2013)** Study of *Tecomella undulata* G. DON. methanolic extract against *sarcoptes scabiei* In vivo and in vitro. J

Animal and Plant Sci, 23(1 Suppl.), Page: 47-53 (IF: 0.422)

24. Ullah, H. A., J. A. Khan, M. S. Khan, **U. Sadique**, M. Shah, M. Idrees, Z. Shah (2013) Clinico-therapeutical trials of lactic acidosis in small ruminants. J Animal and Plant Sci, 23(1 Suppl.): Page: 80-83 (IF: 0.422)
25. Ahmad, I., T. A. Qureshi, **U. Sadique**, S. A. Khan, S. Ahmed, Z. U. Rehman , S Bahadar and M . Mushtaq (2013) Hematological effects of diclofenac sodium in goat, J Animal and Plant Sci, 23(1 Suppl.), Page: 103-107. (IF: 0.422)
26. Tahir Usman, Syed Muhammad Suhail, Xu Zhang, Gang Guo, Ihsan Ullah, **Ummer Sadique** And Yachun Wang., 2014. Effects of non-genetic factors on age at first conception and calving interval in Holstein cattle under subtropical conditions. Indian Journal of Animal Sciences 84 (1): 45–49. (HEC Recognized Journal)
27. Tanweer AJ1, Chand N, **Saddique U**, Bailey CA, Khan RU., 2014. Antiparasitic effect of wild rue (*Peganum harmala* L.) against experimentally induced coccidiosis in broiler chicks. Parasitol Res. 2014 Aug; 113(8):2951-60. (IF: 2.329)
28. Irfan Khattak, Muhammad Hassan Mushtaq , Mansur ud Din Ahmad , Muhammad Sarwar Khan, Mamoonah chaudhry, **Umer Sadique** (2016) Risk factors associated With *Mycobacterium bovis* skin positivity in cattle and buffalo in Peshawar, Pakistan. Trop Anim Health Prod. DOI 10.1007/s11250-015-0976-3. (IF: 0.912)
29. Abdul Wahab, Hamayun Khan, Shakoor Ahmad, Muhammad Subhan Qureshi, Younas Muhammad, Sirzamin Khan, **Umar Sadique** and Muhammad Kamal Shah (2016) Biochemical Profile of Local Rabbits (*Oryctolagus cuniculus*) During Successful Pregnancy Under Backyard Production System. Pakistan J. Zool., vol. 48 (3), pp. 625-630. (IF: 0.491)
30. H. Rehman, I.A. Alhidary, R.U. Khan, M.S. Qureshi, **U. Sadique**, H. Khan, and S.H. Yaqoob (2016) Relationship of Age, Breed and Libido with Semen Traits of Cattle Bulls. Pakistan J. Zool., vol. 48(6), pp. 1793-1798. (IF: 0.491)
31. Umer Farooq, K. Naeem, Aamer Bin Zahur, M. Azeem Khan, **Umer Sidique** and Subhan Qureshi (2017) Epidemiological analysis and economic impact assessment of foot-and-mouth disease at Landhi dairy colony Karachi Asian J Agri & Biol.;5(1): 7-14. (HEC Recognized Journal)
32. Muhammad Kamal Shah, **Umer Saddique** , Shakoor Ahmad , Subhan Qureshi, Saddeq ur Rehman , Zahoor Ul Hassan, Murad Ali Khan , Tariq Ali , Farhan Anwar , Hamayun Khan and Haroon Khan (2017) Molecular Identification and Comparative Antimycoplasmal Activity of three Indigenous Medicinal Plants against *Mycoplasma Putrefaciens* isolated from Sheep. JAPS. Vol : 27 (5). (IF: 0.422)
33. Rafiullah Jan, **Umer Sadique**, Zahoor Ul Hassan, Kamran Farid, Shakoor Ahmad, Sarzamin Khan and Hayatullah Khan (2017) Toxicopathological and Reproductive Effects of Concurrent Oral Administration of Ochratoxin A and Endosulfan in Pregnant Rabbits (*Oryctolagus cuniculus*). Pak Vet J, 2017, 37(1): 19-24. (IF: 0.813)
34. Muhammad Kamal Shah, **Umer Saddique**, Shakoor Ahmad, Aqib Iqbal, Abid Ali, Waseem Shahzad,

- Muhammad Sayyar Khan, Hamayun Khan, Hanif Ur Rahman, Said Sajjad Ali Shah and Muhammad Israr (2017) Molecular Characterization of Local Isolates of *Mycoplasma capricolum* Sub Specie *Capripneumoniae* in Goats (*Capra hircus*) of Khyber Pakhtunkhwa, Pakistan. *Pak Vet J*, 37(1): 90-94. (IF: 0.813)
35. Sajidur Rahman, SarzaminKhan, NailaChand, **UmarSadique**, Rifat UllahKhan (2017) In vivo effects of *Allium cepa* L. on the selected gut micro flora and intestinal histomorphology in broiler, *Acta Histochemica* 119 (5): 446-450. (IF: 1.360)
36. Said Sajjad Ali Shah, **Umer Sadique**, Zahoor Ul Hassan, Shakoor Ahmad, Hamayun Khan, Muhammad Kamal Shah, Muhammad Israr and Hanif ur Rahman (2017) Clinico-pathological profile and frequency of *Mycoplasma mycoides* subsp. *capri* infection in goats in northern zone of Khyber-Pakhtunkhwa, Pakistan. *Veterinaria*, 66 ( 2) : 73-76 (HEC Approved Journal)
37. Muhammad Zahoor Khan, Tahir Usman, **Umer Sadique**, Muhammad Subhan Qureshi, Mohammad Farooque Hassan, Muhammad Shahid and Adnan Khan (2017) Molecular Characterization of *Brucella abortus* and *Brucella melitensis* in Cattle and Humans at the North West of Pakistan. *Pak Vet J*, 37(3): 360-363. (IF: 0.813)
38. Tariq Ali, Sadeeq ur Rahman, Limei Zhang, Muhammad Shahid, Dandan Han, Jian Gao, Shiyao Zhang, Pamela L. Ruegg, **Umer Saddique** and Bo Han (2017). Characteristics and genetic diversity of multi-drug resistant extended-spectrum beta-lactamase (ESBL)-producing *Escherichia coli* isolated from bovine mastitis. *Oncotarget*, Advance Publications. <http://www.impactjournals.com/oncotarget/index.php?journal=oncotarget&page=article&op=view&path%5B%5D=21496&author-preview=gl4> (IF: 5.168).
39. Farhan Anwar khan, Muhammad Asif Rasheed, Muhammad faisal, Harish Menghwar, Muhammad Zubair, **Umar Sadique**, Huanchun Chen, Aizhen Guo (2017). Proteomic analysis and its role in elucidation of functionally significant proteins in *Mycoplasma bovis*. *Microbial Pathogenesis* 111 (50-59) (IF: 2.009)
40. Muhammad Kamal Shah, **Umer Saddique**, Shakoor Ahmad, yousaf Hayat, Sadeeq ur Rahman, Muhammad Farooque Hassan, Tariq Ali. (2017) Isolation rate and antimicrobial susceptibility profiles of *Mycoplasma Mycoides* subspecies *Capri* field isolates from sheep and goats in Pakistan. *Small ruminants Research* DOI: <http://dx.doi.org/10.1016/j.smallrumres.2017.06.002> (IF: 0.947).
41. Hanif Ur Rahman, **Umer Saddique**, Zahoor-ul-Hassan, Shakoor Ahmad, Muhammad Kamal Shah, Said Sajjad Ali Shah, Farhan Anwar Khan, Fazli Rabbani, Muhammad Asif Hussain, Attaur-Rahman, Irshad Ahmad and Sadeeq ur Rahman (2018). The Predominant Incidence of *Mycoplasma mycoides* subsp. *capri* in Suspected Cases of Contagious Caprine Pleuropneumonia in Sheep and Goats of Northern Pakistan *Pakistan J. Zool.*, Vol. 50, Iss. 5, pp 1995-1998. (IF: 0.547).
42. Sajid ur Rahman, Sarzamin Khan, Naila Chand , **Umar Sadique** , Rifat Ullah Khan (2018) In vivo effects of *Allium cepa* L. on the selected gut microflora and intestinal histomorphology in broiler. *Acta Histochemica* (IF:1.652)
43. Said Sajjad Ali Shah, Muhammad Ilyas khan, Hamayun khan and **Umar Sadique** (2108) TBD'S exploiting the black gold (Buffalo) of Pakistan. *Bufallo bulletin* vol 37.No 4, pp 569-576. **ISSN 01256726**

## **12. BOOK/ BOOK CHAPTER AUTHORED (INTERNATIONAL)**

1. Characterization of CCPP in small ruminants. **LAMBERT ACADEMY Germany**

## **13. INTERNATIONAL CONFERNCES/WORKSHOP ORGANIZED**

1. Organized **1<sup>ST</sup> International** workshop on Dairy Science Park Nov 21-23 **2011** in The University of Agriculture Peshawar-Pakistan
2. Organized **2<sup>nd</sup> International** workshop on Dairy Science Park Nov 18-20 **2013**, **The University of Agriculture Peshawar-Pakistan**
3. Organized **3<sup>nd</sup> International** workshop on Dairy Science Park Nov 16-18 **2015**, **The University of Agriculture Peshawar-Pakistan**
4. Organized **4<sup>th</sup> International** workshop on Dairy Science Park Nov 16-18 **2017**, **Selcuk University Turkey** in collaboration with **The University of Agriculture Peshawar-Pakistan**

## **14. INTERNATIONAL CONFERENCES/SEMINARS/WORKSHOPS ATTENDED**

1. Participated in the “Biorisk Management Curriculum Development Pakistan’s National DVM Curricula” at **Dubai, UAE** from **29<sup>th</sup> April – 01 May, 2019**.
2. Participated as Speaker at 10<sup>th</sup> International Animal Science Conference at **Antalya Turkey**, 25-27 October **2018**.
3. Research Methods and role of molecular biology **Jordan University of Science and Technology, Jordan** April 30 – May 2, **2018**.
4. 4<sup>th</sup> International Workshop on Dairy Science Park and industrial exhibition at **Selkuk University Konya Turkey**, 01-05 November, **2017**.
5. Curriculum Development for Bio risk Management, Sandia Labs, USA in **Sri lanka**, 03-07 September, 2017
6. Bio risk Management Raising Awareness Sandia Labs, USA in **Phuket, Thailand** April 19-22, 2017.
7. Participated as Speaker at International Poultry Expo conference at **Lahore Pakistan** 24-26 August 2017.
8. Curriculum Development for Bio risk Management, Sandia Labs, USA in **Bangkok**, 13-18 November, **2016**
9. Bio risk Management: scope & importance. Sandia Labs, USA in **UAE**, 21-25 May, **2016**
10. 2<sup>nd</sup> BCIM seminar & workshop on livestock production management & disease prevention techniques, **Yunan Academy of Science & Technology, China**, 2-11 March, 2016
11. 3<sup>rd</sup> International Workshop on Dairy Science Park, **The University of Agriculture, Peshawar**, November 16-18 November, **2015**

12. International Seminar on Poultry Diseases, **The University of Agriculture, Faisalabad**, 14-15 December, **2015**
13. 3<sup>rd</sup> International One Health congress, **The Netherlands**, 15-18 March, **2015**
14. Innovative Technologies & sustainable Development in Agriculture, **The University of Agriculture, Peshawar**, 19-22 August, **2014**.
15. 2<sup>nd</sup> International Workshop on Dairy Science Park, **The University of Agriculture, Peshawar**, November 12-14 November, **2013**
16. International conference on Climate Change: A Challenge for Agriculturists May 28-30, **2012** (**The University of Agriculture, Peshawar**)
17. 1<sup>st</sup> International Workshop on Dairy Science Park, **The University of Agriculture, Peshawar**, November 21-23 November, **2011**

#### **15. MEMBERSHIPS OF PROFESSIONAL ASSOCIATIONS**

1. Pakistan Poultry Association, National Disease Control Committee Pakistan.(**NDCC**)
2. Pakistan Biological Safety Association(**PBSA**)
3. Pakistan Veterinary Medical Council (**PVMC**) (**RVMP, RVMF**)
4. Pakistan Pathology Association (**PPA**)

#### **16. REVIEWER FOR INDEXED JOURNALS**

1. Sarhad Journal Of Agriculture
2. Journal of Animal And Plant Sciences
3. Tropical Animal Health and Production
4. Pakistan Veterinary Journal
5. Pakistan Journal of Zoology

#### **17. RECENT TRAINING AND CERTIFICATES**

##### **a) Trainer/ Resource Person:**

1	<b>Conducted two weeks training to farmers at D.I Khan</b>
2	<b>Work as a resource person in training organized for support of extension workers by the Kohistan development project (upper Dir)</b>
3	<b>Trained the Veterinary officers, Veterinary Assistants and Farmer at Khyber Pakhtunkhwa Agricultural University Peshawar on various advanced diagnostic skill of the infectious diseases</b>
4	<b>Worked as a resource person with Relief International Pakistan on control of Zoonotic Diseases</b>
5	<b>Prime Minister “Skill Development Program”</b>
6	<b>Conducted one month training to Community Animal Health Workers (CAHWs) of Kurram Agency</b>

##### **b) Trainings Received**

Name and Place	Type of Training	Duration		Certificate or Diploma obtained
		From	To	
NW FP Agriculture University, Peshawar	PC-I Development	16 <sup>th</sup> July 2007	18 <sup>th</sup> July 2007	Yes
NW FP Agriculture University Peshawar	Feeding Management of Dairy Animals	24 <sup>th</sup> March 2005	24 <sup>th</sup> March 2005	Yes
NW FP Agriculture University, Peshawar	Training of trainees in Forage Production	13 <sup>th</sup> Sept. 1999	18 <sup>th</sup> Sept. 1999	Yes
HEC & NWFP Agriculture University, Peshawar	Staff Development Course	26 <sup>th</sup> Feb. 2007	22 <sup>nd</sup> March 2007	Yes
NW FP Agriculture University, Peshawar	International Workshop on Dairy Science Park	21 <sup>st</sup> Nov.2011	23 <sup>rd</sup> Nov.2011	Yes
HEC Islamabad	National Awareness workshop on improving biosafety & bio-security.	1 <sup>st</sup> March 2011	2 <sup>nd</sup> March 2011	Yes

## 18. LIST OF REFEREES

### 1. Prof. Dr Subhan Qureshi

Ex-Dean FAH&VS,  
The University of Agriculture Peshawar, Pakistan  
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### 2. Prof. Dr Sarzamin Khan

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### 3. Dr Zahoor ul Hasan

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### 4. Prof. Dr Jamal Khan Khattak

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The University of Swat  
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