

April 5<sup>th</sup>, 1973IN SCIENCE, THE CREDIT DOES NOT GO TO THE ONE WHO FIRST  
HAD THE IDEA, BUT TO THE ONE WHO CONVINCES THE WORLD.336 B, Commerce College Rd. Cheema Town, Bahawalpur, PAKISTAN  
0092-333-3683888  
umer.farooq@iub.edu.pk**OBJECTIVE**

To establish myself as a successful professional by executing my skills acquired from my academic qualifications, rich experience and by personal approach to a given problem.

**PERSONAL**

|                          |                                                                                                                         |
|--------------------------|-------------------------------------------------------------------------------------------------------------------------|
| <b>NAME:</b>             | Umer Farooq                                                                                                             |
| <b>FATHER'S NAME:</b>    | Farooq Azam                                                                                                             |
| <b>DATE OF BIRTH:</b>    | April 05 <sup>th</sup> , 1973                                                                                           |
| <b>AGE:</b>              | 45 Years                                                                                                                |
| <b>NATIONALITY:</b>      | Pakistan                                                                                                                |
| <b>MARITAL STATUS:</b>   | Married (03 Sons & 01 Daughter)                                                                                         |
| <b>RELIGION:</b>         | Islam                                                                                                                   |
| <b>NIC #:</b>            | 31202-6149353-1                                                                                                         |
| <b>OFFICE ADDRESS:</b>   | University College of Veterinary & Animal Sciences<br>(UCV&AS), The Islamia University of Bahawalpur<br>(IUB), Pakistan |
| <b>PRESENT POSITION:</b> | Assistant Professor (BPS19)                                                                                             |
| <b>PASPORT N#:</b>       | EP8963532                                                                                                               |

**EDUCATION**

- University of Veterinary & Animal Sciences, Lahore, Pakistan 2013, **PhD** (Physiology)
- Quaid e Azam University, Islamabad, Pakistan 1998 , **M.Phil** (Reproductive Physiology)
- University of Veterinary & Animal Sciences, Lahore, Pakistan 1995, **Doctor of Veterinary Medicine** (DVM)

**TOPIC OF M.PHIL RESEARCH**

“Use of Milk Progesterone Concentrations In Assessing the Efficacy of Artificial Insemination in Cattle & Buffalo”

**TOPIC OF PH.D RESEARCH**

“Seasonal Variations in Testicular and Seminal Characteristics of Cholistani Bulls”

**PROFESSIONAL EXPERIENCE**

- Junior Research Assistant | **National Agricultural Research Centre, Islamabad, PAKISTAN**  
18 Sept 1995 – 02 June 1998  
*For the Completion of M.Phil Research work in a Project funded by FAO/LAEA\* of the UNO.*
- Private Pet Practitioner | **Mobile Veterinary Services, Islamabad, Pakistan.**  
1998 – 2000  
*Gave a novel idea of pet practice through an innovative approach of veterinary medical services to the doorsteps of the pet owners.*
- Part Time Lecturer, Medical Physiology | **College of Conventional Medicine, Faculty of Pharmacy & Alternative Medicine, The Islamia University of Bahawalpur, PAKISTAN**  
2002 - 2006  
*Responsible for teaching of complete course of Physiology I & II to the Bachelor of Eastern Medicine & Surgery (BEMS) & Bachelor in Homeopathic Medicine & Surgery (BHMS) both 1<sup>st</sup> & 2<sup>nd</sup> Proffs. Also responsible for the paper settings, paper checking, practical conducting & internal examiner for the said classes.*
- Lecturer Physiology (BPS-18) | **University College of Veterinary & Animal Sciences, The Islamia University of Bahawalpur, PAKISTAN.**  
17 Oct. 2006 – 06 July 2013

*Administrative, Academic & research Oriented Responsibilities.*

- Assistant Professor (BPS-19) | **University College of Veterinary & Animal Sciences, The Islamia University of Bahawalpur, PAKISTAN.**

07 July 2013 – Date

*Administrative, Academic & research Oriented Responsibilities.*

## **PROFESSIONAL MEMBERSHIPS / POSITIONS**

- **Member** Society of Animal Reproduction of Pakistan 2011 to date
- **Member** Pakistan Veterinary Medical Council
- **Member Board of Directors**, Cattle Market Management Company (CMMC), Bahawalpur, Punjab. March 2014 to Date.
- **Member Center for Veterinary Education**, University of Sydney, Australia. July 2017 to Date
- **Member** (Associate) Bahawalpur Chamber of Commerce & Industry, June 2015 to Date

## **EDITORIAL / REVIEWING EXPERIENCE**

- **Member** Editorial Board, Journal of Veterinary Advances (JVA), Global Research Journals, Iran, Nov. 2011 to date.
- **Member** Editorial Board, Journal of Ecology and Natural Environment (JENE), Academic Journals, March, 2012 to date.
- **Member** Editorial Board, Journal of Research in Environmental Science and Technology (JREST), International Research Journals, Jan. 2012 to date.
- **Official Reviewer**, Science Domain International, UK. June 2014 to date.
- **Official Reviewer**, Journal of Animal and Plant Science, June 2011 to date.
- **Official Reviewer**, Reproduction in Domestic Animals, Wiley Online Library, July 2016 to date.
- **Official Reviewer**, Andrologia, Wiley Online Library, July 2016 to date.
- **Official Reviewer**, Theriogenology, Elsevier, August 2016 to date.
- **Official Reviewer**, Journal of Applied Animal Research, Taylor & Francis, UK, September 2016 to date.
- **Official Reviewer/MCQ Developer**, National Testing Service-Pakistan May 2015 to date

- **External Examiner/Subject GRE MCQ Developer**, UVAS, Lahore
- **External Examiner/Subject GRE MCQ Developer**, Lahore College for Women University, Lahore
- **Subject Expert/Advisor Punjab Public Service Commission**

#### **MEMBERSHIPS ON UNIVERSITY (IUB) BODIES**

- **Member Principal Committee** UCV&AS, IUB (27-06-2013 to 25-05-2014)
- **Office In Charge** UCV&AS, IUB (2007-08)
- **Member Pre Selection Committee** for the Selection of Faculty Members for UCV&AS, IUB (2006- 10)
- **Member/Secretary Board of Studies/Advisory Committee**, UCV&AS, IUB (2006 to 2014)
- **In charge Examinations**, UCV&AS, IUB (2006-8)
- **In charge Student Affairs**, UCV&AS, IUB (2008-10)
- **Member Discipline Committee**, UCV&AS, IUB (2006 to date)
- **Member Fee Remission Committee**, UCV&AS, IUB (2007-08)
- **In Charge Vet's Blood Donor Society**, UCV&AS, IUB (2009-Date)
- **Member Selection Board**, IUB (June 2013 to May 2014)
- **Member Sports Committee**, UCV&AS, IUB (March 2017 to Date)

#### **ADMINISTRATIVE TASKS**

- Formulation of PC-1 of UCV&AS, IUB
- Formulation & Compilation of Statutes & Regulations of UCV&AS, IUB
- Compilation of Course Curricula/Compendium for UCV&AS, IUB
- Formulation of PC-1 of Bahawalpur Services Veterinary Hospital & Attached Teaching Veterinary Hospital at IUB
- Organizing Secretary, International Camel Conference, 19-21 Dec 2013. Organized by IUB in Collaboration with HEC

- Chief Organizer, IUB Pet Show 2018, The Islamia University of Bahawalpur
- Member Organizing Committee of Blood Camps Held by Regional Blood Centre, Bahawalpur

### **ACADEMIC ACHIEVEMENTS / HONORS**

- **College Merit Scholarship** from First Year Class to Final Year Class of DVM Course
- **Pfizer Veterinary Merit Scholarship** from Second Year Class to Final Year Class of DVM Course
- Second Position In Class In DVM Course With The CGPA Of 3.49/4.00
- **INFAAQ Foundation Merit Scholarship** throughout the M.Phil Tenure
- **Best Oral Presentation** at 1<sup>st</sup> International Conference on Poverty and Sustainable Development, Colombo, Sri Lanka. 17-18 June, 2014
- **Award of Travel Grants** by Various Funding Agencies to Present Research Work at Various International Conferences
- **Award of Research Incentives** for the Years 2012, 2013, 2014 and 2015 from IUB
- **Narration of Documentary** at P2P Campaign on “Let Tolerance Be Our Virtue” 01 May to 10 June, 2017 By Institute of Social and Cultural Studies, University of the Punjab, Lahore

### **SPECIALITY / TECHNICAL TRAININGS**

- Light Microscopy
- Artificial Insemination & Pregnancy Diagnosis in Cattle
- Spectrophotometry
- Comparative Hematology
- Ultrasonography
- Breeding Soundness Evaluation

### **AREAS OF RESEARCH INTEREST**

- Reproductive Endocrinology
- Assisted Reproductive Techniques in Bovines
- Livestock Extension & Education in Cholistan Desert
- Comparative Hematology
- Dromedary Camels of Cholistan Desert

**RESEARCH PROJECTS**

| <b>S. No.</b> | <b>Project title</b>                                                                                                                                                             | <b>Position</b> | <b>Duration</b> | <b>Status</b> | <b>Funding money (million PKR)</b> | <b>Funding Agency*</b> |
|---------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------|-----------------|---------------|------------------------------------|------------------------|
| 1             | A Diagnostic/Prognostic Approach towards Profiling of Blood Biomarkers in Dromedary Camels Being Reared in Cholistan Desert                                                      | PI              | 02 Yrs          | Rejected      | 7.49                               | HEC                    |
| 2             | Camel Research Project in Cholistan Desert                                                                                                                                       | PI              | 02 Yrs          | Rejected      | 2.55                               | PSF                    |
| 3             | Enhancing the Reproductive Performance of Cholistan Cattle through Estrus Physiology and Its Manipulation                                                                        | PI              | 02 Yrs          | Submitted     | 11.29                              | PARB                   |
| 4             | Trichomoniasis in Naturally Infected Cholistan Bulls- An Approach towards Enhanced Livestock Productivity for Cholistan Livestock Herders                                        | PI              | 01 Yr           | Recommended   | 4.87                               | PARC                   |
| 5             | Effect of Magnetic Activated Cell Sorting on Cryopreservation of Cholistan Bull Spermatozoa                                                                                      | PI              | 1.5 Yr          | Rejected      | 4.65                               | PARC                   |
| 6             | Approach towards and Efficient Use of Cholistan Bull Semen- Targeting Increased Fertility & Cost-Reduction in AI                                                                 | PI              | 2 Yrs           | Rejected      | 3.98                               | NSLP,PSF               |
| 7             | Orientation of Home-Based Feed Production Technologies to Rural Women of Cholistan Desert                                                                                        | PI              | 1 Yrs           | Rejected      | 4.97                               | USPCAS-AFS             |
| 8             | An Approach Towards Propagation of Heat-Resistant Cholistan Breed of Cattle Being Reared in Cholistan Desert, Pakistan by Enhancing Field Fertility Rate per Single Insemination | PI              | 02 Yrs          | Rejected      | 4.95                               | USPCAS-AFS             |
| 9             | Strategies to Economize the Use of Cholistan Bull Semen through Modified Cryoprotective Techniques                                                                               | PI              | 02 Yrs          | Rejected      | 5.579                              | HEC                    |

\*HEC: Higher Education Commission of Pakistan; PSF: Pakistan Science Foundation; PARB: Pakistan Agricultural Research Board; PARC: Pakistan Agricultural Research Council; NSLP: Natural Sciences Linkage Program of PSF

**PUBLICATIONS (IF ~ 22.535) (CI ~ 389)**

- Papers in Refereed Journals**

| <b>S. No.</b>   | <b>Title</b>                                                                                                                                                                                                                       | <b>IF</b> | <b>CI</b> |
|-----------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------|-----------|
| <b>NATIONAL</b> |                                                                                                                                                                                                                                    |           |           |
| 1               | M. Anzar, <b>U. Farooq</b> , M.A. Mirza, M. Shahab and N. Ahmad. (2003) Factors Affecting the Efficiency of Artificial Insemination in Cattle & Buffalo in Punjab, Pakistan. <i>Pakistan Veterinary Journal</i> . 23 (3): 106-113. | -         | 50        |
| 2               | I. Ali, <b>U. Farooq</b> , S. Hameed, F. Shehzad, F.S. Khan and M.A. Tausif. (2008) Performance of Cholistan Male Cattle Calves Fed Fattening Ration under Local                                                                   | -         | 03        |

|    |                                                                                                                                                                                                                                                                 |       |    |
|----|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------|----|
|    | Climatic Conditions. <i>Pakistan Journal of Agricultural Sciences</i> . 45(2): 184-189.                                                                                                                                                                         |       |    |
| 3  | I. Ali, M.S. Chauhdry and <b>U. Farooq</b> . (2009) Camel rearing in Cholistan Desert of Pakistan. <i>Pakistan Veterinary Journal</i> . 29(2):85-92.                                                                                                            | -     | 49 |
| 4  | <b>U. Farooq</b> , H.A. Samad, F. Sher, M. Asim and M.A. Khan. (2010) Cholistan and Cholistan Breed of Cattle. <i>Pakistan Veterinary Journal</i> , 30(2): 126-130.                                                                                             | 0.707 | 18 |
| 5  | <b>U. Farooq</b> , A. Qayyum, H.A. Samad and H.R. Chauhdry and N. Ahmad. (2010) Field surgical intervention of bovine Actinomycosis. <i>Pakistan Veterinary Journal</i> , 30(4): 249-250.                                                                       | 0.707 | 05 |
| 6  | A. Qayyum, <b>U. Farooq</b> , H.A. Samad and H.R. Chauhdry. (2010). Prevalence, clinicotherapeutic and prophylactic studies on Theileriosis in district Sahiwal, Punjab. <i>Journal of Animal and Plant Sciences</i> , 20(4): 266-270.                          | 0.250 | 27 |
| 7  | F. Shehzad, M. Yaqoob, M. Yunas, <b>U. Farooq</b> , F. Sher, M. Asim, S. Qamar, M.Akbar and I. Irshad. (2010), Factors affecting the birth weight of Cholistan cattle calves. <i>Pakistan Veterinary Journal</i> , 30(4): 247-248.                              | 0.707 | 12 |
| 8  | S. Sajjad, <b>U. Farooq</b> , M. Anwar, A. Khurshid and S.A. Bukhari. (2011) Effect of captivity on plasma cortisol level and behavioral pattern of Bengal tigers ( <i>Panthera tigris tigris</i> ). <i>Pakistan Veterinary Journal</i> , 31: (3): 195-198.     | 1.255 | 17 |
| 9  | <b>U. Farooq</b> , H. A. Samad and M.F. Qamar. (2011) Teaching of physiology to the veterinary students in Pakistan: Present Past and Future Scenarios. <i>Journal of Educational Research</i> . 14(1): 146-153.                                                | -     | -  |
| 10 | H.R. Chauhdry, H.A. Samad, <b>U. Farooq</b> , A. Qayyum, M. Ghori and M.Latif. (2011) Metanalysis of fish farming and sale in Bahawalpur (Pakistan). <i>Research Opinions in Animal &amp; Veterinary Sciences</i> . 1(2): 122-125.                              | -     | -  |
| 11 | <b>U. Farooq</b> , Z. Saeed, M.A. Khan, I. Ali and M.F. Qamar. (2011) Sero-surveillance of Hemorrhagic Septicemia in Buffaloes and Cattle in Southern Punjab, Pakistan. <i>Pakistan Veterinary Journal</i> . 31: (3): 254-256.                                  | 1.255 | 16 |
| 12 | <b>U. Farooq</b> , H.A. Samad, A. Khurshid and S. Sajjad. (2011) Normal reference hematological values of one-humped camels kept in Cholistan desert. <i>Journal of Animal and Plant Sciences</i> . 21(2):157-160.                                              | 0.585 | 30 |
| 13 | A. Qayyum, A. Yusaf, T. Ahmad, Z.U. Rehman and <b>U. Farooq</b> . (2012). Immunomodulatory effects of Lisovit® in response to newcastle disease and infectious bursal disease vaccines in broilers. <i>Journal of Animal and Plant Sciences</i> . 22(1): 11-14. | 0.585 | 04 |
| 14 | M.S. Ijaz, A.K. Mahmood, M.A. Khan, N. Ahmad and <b>U. Farooq</b> . (2012). Viability of split thickness autogenous skin transplantation in canine distal limb                                                                                                  | 1.255 | 07 |

|    |                                                                                                                                                                                                                                                                               |       |    |
|----|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------|----|
|    | reconstruction- An experimental evaluation. <i>Pakistan Veterinary Journal</i> . 32(2): 193-196.                                                                                                                                                                              |       |    |
| 15 | <b>U. Farooq</b> , S. Sajjad, M. Anwar and B.N. Khan. (2012). Serum chemistry variables in Bengal tigers ( <i>Panthera tigris tigris</i> ) kept in various forms of captivity. <i>Pakistan Veterinary Journal</i> . 32(2): 283-285.                                           | 1.255 | 07 |
| 16 | <b>U. Farooq</b> , I. Ahmad, N. Ahmad, H. Rehman and H. Zaneb (2012). Hematologic profile revisited: Adult Cholistani breeding bulls as a model. <i>Journal of Animal and Plant Sciences</i> 20(4): 835-839.                                                                  | 0.638 | 08 |
| 17 | <b>U. Farooq</b> , I. Ahmad, N. Ahmad, H. Rehman and H. Zaneb (2013). Investigations on semen quality and freezability of Cholistani breeding bulls- A preliminary study from Cholistan desert of Pakistan. <i>Journal of Animal and Plant Sciences</i> 23(2): 359-363.       | 0.549 | 10 |
| 18 | S.A. Mahmood, I. Ahmad, N. Ahmad, H. Rehman, H. Zaneb and <b>U. Farooq</b> (2013). Studies on libido and serum testosterone concentration of Cholistani AI bulls under stress free and stressful seasons. <i>Journal of Animal and Plant Sciences</i> . 23(6): 1491-1495.     | 0.549 | 04 |
| 19 | <b>U. Farooq</b> , I. Ahmad, N. Ahmad, H. Rehman and H. Zaneb (2013). Seasonal variations in certain physical and biochemical attributes of semen from Cholistani AI bulls. <i>Pakistan Veterinary Journal</i> . 33(4): 510-514.                                              | 1.392 | 12 |
| 20 | A.K. Mehmood, M.S. Khan, M.A. Khan, M. Bilal and <b>U. Farooq</b> (2013). Lactic acidosis in goats: Prevalence, intra-ruminal and haematological investigations. <i>Journal of Animal and Plant Sciences</i> 23(6): 1527-1531.                                                | 0.549 | 02 |
| 21 | M.F. Qamar, H. Shahid, A.A. Anjum, M.A. Ali and <b>U. Farooq</b> (2013). Prevalence of coocidiosis in peacocks at Lahore, Pakistan. <i>Biologia</i> 59(1): 57-68.                                                                                                             | -     | 01 |
| 22 | S. Ashraf, H.R. Chauhdry, <b>U. Farooq</b> , Y.S. Mustafa, H. Fatima and S. Akhter (2013). Prospective of dairy farming in Cholistan. <i>Science International</i> . 25(2): 345-346.                                                                                          | -     | 03 |
| 23 | S.A. Mahmood, I. Ahmad, N. Ahmad, H. Rehman, H. Zaneb and <b>U. Farooq</b> (2014). A study on relationships among age, body weight, orchidometry and semen quality parameters in adult Cholistani breeding bulls. <i>Journal of Animal and Plant Sciences</i> 24(2): 380-384. | 0.448 | 08 |
| 24 | S. Ali, A. Khurshid, <b>U. Farooq</b> , S. Hussain, A. Zain, SA. Khaliq, AW Manzoor, A. Mushtaq and M. Idris (2015). Descriptive epidemiology of mortality in certain species of captive ungulates in Pakistan. <i>Journal of Veterinary and Animal Sciences</i> 4(1): 11-17. | -     | -  |
| 25 | Z. Batool, M.H. Lashari, <b>U. Farooq</b> , M. Idris, U. Riaz, M Ali. (2018). A preliminary study on certain blood biomarkers of Cholistani breed of cattle being reared under nomadic                                                                                        | 0.407 | -  |



|                      |                                                                                                                                                                                                                                                                                                                                                        |               |            |
|----------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------|------------|
|                      | pastoralism at various stages of pregnancy. <i>Journal of Animal and Plant Sciences</i> , 28(6): In Press                                                                                                                                                                                                                                              |               |            |
| 26                   | M. Lashari, R. Hameed, U. Farooq, M. Idris & Z.U. Rehman. (2018). Sex determination through Barr bodies of neutrophils in Humans and Dogs. <i>Biologia</i> 64(1): 101-104.                                                                                                                                                                             | -             | -          |
| <b>Total</b>         |                                                                                                                                                                                                                                                                                                                                                        | <b>13.093</b> | <b>294</b> |
| <b>INTERNATIONAL</b> |                                                                                                                                                                                                                                                                                                                                                        |               |            |
| 1                    | <b>U. Farooq</b> , H.A. Samad, F. Shehzad and A. Qayyum. (2010) Physiological Responses of Cattle to Heat Stress. <i>World Applied Sciences Journal</i> 8 (Special Issue of Biotechnology & Genetic Engineering): 38-43.                                                                                                                               | -             | 43         |
| 2                    | S. Sajjad, <b>U. Farooq</b> , H. Malik, M. Anwar and I. Ahmad (2012) Comparative Hematological variables of Bengal tigers ( <i>Panthera tigris tigris</i> ) kept in Lahore Zoo and Lahore Wildlife Park, Lahore, Pakistan. <i>Turkish Journal of Veterinary and Animal Sciences</i> . 36(4): 346-351.                                                  | 0.276         | 05         |
| 3                    | M. Ziaullah, A. Ijaz, M. Aleem, A.K. Mahmood, H. Rehman, S. Bhatti, <b>U. Farooq</b> and U. Sohail. (2012). Optimal inclusion level of butylated hydroxytoluene in semen extender improves the quality of post thawed canine sperms. <i>Czech Journal of Animal Science</i> . 57(8): 377-381.                                                          | 1.079         | 04         |
| 4                    | S. Sajjad, H. Malik, <b>U. Farooq</b> , F. Rashid, H. Nasim, S. Tariq and S. Rehman (2014). Cadmium Chloride toxicity revisited: Effect on certain andrological, endocrinological and biochemical parameters. <i>Physiological Research</i> 63(4). 505-512.                                                                                            | 1.293         | 06         |
| 5                    | <b>U. Farooq</b> , S.A. Mahmood, I. Ahmad, N. Ahmad, M. Idris and M.T. Abbas (2015). Evaluation of post thaw sperm parameters and fertility of Cholistani service bulls. <i>Turkish Journal of Veterinary and Animal Science</i> 39: 472-479.                                                                                                          | 0.352         | 04         |
| 6                    | S. Naz, M. Idris, M.A. Khalique, I.A. Alihidary, M.M. Abdelrahman, R.U. Khan, N. Chand, <b>U. Farooq</b> and S. Ahmad (2016). The activity and use of zinc in poultry diets. <i>World's Poultry Science Journal</i> 72: 159-167.                                                                                                                       | 1.037         | 13         |
| 7                    | S. Sajjad, S. Tobassum, <b>U. Farooq</b> , H. Malik and M. Idris (2016). Effect of Naloxone and Yohimbine in polycystic ovary syndrome: A rabbit model study. <i>Turkish Journal of Medical Sciences</i> 46: 1265-1270.                                                                                                                                | 0.710         | -          |
| 8                    | Z. Saeed, F. Iqbal, M. Hussain, R.S. Sheikh, <b>U. Farooq</b> , A. Akbar, M. Gulsher, M.M. Ayaz, S.A. Mahmood, M. Ali and M. Aktas (2016). Molecular Prevalence and Haematology of Tropical Theileriosis in Cholistani Cattle from Nomadic Herds of Cholistan Desert, Pakistan. <i>Kafkas Universitesi Vetrineri Fakultesi Dergisi</i> 22(2): 281-286. | 0.432         | 02         |

|              |                                                                                                                                                                                                                                                                |              |           |
|--------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------|-----------|
| 9            | <b>U. Farooq</b> , N. Ahmad, I. Ahmad, S.A. Mahmood, S.M.H. Andrabi and M. Idris (2017). Effect of seasonal variations on hematochemical profile of Cholistani service bulls. <i>Journal of Applied Animal Research</i> 45(1): 85-89.                          | 0.826        | 03        |
| 10           | DH Mughal, Ahmad I, MS Yousaf, F Wadood and <b>U. Farooq</b> (2017). Cryopreservation of Buffalo ( <i>Bubalus Bubalis</i> ) Semen- Limitations and Expectations. <i>Buffalo Bulletin</i> 36(1): 1-11.                                                          | 0.119        | 01        |
| 11           | M. Idris, R.Z. Abbas and <b>U. Farooq</b> (2017). The potential of antioxidant rich essential oils against avian coccidian. <i>World's Poultry Science Journal</i> 73 (1): 89-104.                                                                             | 1.439        | 13        |
| 12           | D.H. Mughal, I. Ahmad, M.S. Yousaf, F. Wadood and <b>U. Farooq</b> (2018). Effect of osmotic pressure on spermatozoa characteristics of cryopreserved buffalo bull ( <i>Bubalus bubalis</i> ) semen. <i>Journal of Applied Animal Research</i> 45(1): 274-277. | 0.826        | 1         |
| 13           | Khurshid, A., M. Usman and <b>U. Farooq</b> (2018). Persistent traditional milk marketing chain- A leading cause of fatal diseases in Pakistan. <i>Iranian Journal of Public Health</i> . 47(7): 1053-1054                                                     | 1.053        | -         |
| <b>Total</b> |                                                                                                                                                                                                                                                                | <b>9.442</b> | <b>95</b> |

### • Papers in Proceedings

- **U. Farooq**, H.A. Samad, F. Shehzad and A. Qayyum. "Physiological Responses of Acclimated Cattle to Heat Stress". *30<sup>th</sup> Pakistan Congress of Zoology (Int.)*, Univ. Agri. Faisalabad. Mar. 2-4, 2010. pp. R75-81.
- **U. Farooq**, Z. Saeed, M.A. Khan and H.A. Samad. Sero-surveillance of Hemorrhagic Septicemia in Buffaloes and Cattle of Dera Ghazi Khan, Punjab, Pakistan. *Nat. Conf. Strategies to Improve Red Meat Production in Pakistan*. BZU, Multan. Oct. 13, 2010. pp 6-12.
- H.R. Chauhdry, H.A. Samad, M.A. Sabri, **U. Farooq**, H.B. Rashid, A. Qayyum and T. Ghor. Socioeconomic Standing of Metronomads in Bahawalpur City (Meat/Milk Production Grass Root). *Nat. Conf. Strategies to Improve Red Meat Production in Pakistan*. BZU, Multan. Oct. 13, 2010. pp 68-72.

### • Abstracts

#### National

- **U. Farooq**, H. A. Samad, F. Shehzad, F. Sher. M. Asim and M. Arif, "Cholistan and Cholistani Breed of Cattle". *2<sup>nd</sup> Nat. Sym. Micro. Sindh Univ. Jamshoro*. Mar. 18-20, 2010. pp. 14
- **U. Farooq**, H.A. Samad, Haroon R. Chauhdry and A. Qayyum, "Milk Supply and Human Nutrition: A Cholistan Perspective". *Int. Conf. Hum. Nut. 20<sup>th</sup> All Pakistan Food Science Conference*. National Institute of Food Science & Technology, Univ. Agri. Faisalabad. 22-26 Feb. 2010.
- **U. Farooq**, H. A. Samad, F. Sher. M. Asim and M. Arif Khan, "Cholistan and Cholistani Breed of Cattle". *30<sup>th</sup> Pakistan Congress of Zoology (Int.)*, Univ. Agri. Faisalabad. Mar. 2-4, 2010. pp 227.

- **U. Farooq**, H.A. Samad, F. Shehzad and A. Qayyum. "Physiological Responses of Acclimated Cattle to Heat Stress". *30<sup>th</sup> Pakistan Congress of Zoology (Int.)*, Univ. Agri. Faisalabad. Mar. 2-4, 2010. pp. 62.
- **U. Farooq**, A. Hussain, S. Sajjad and H.A. Samad. "Reference Normal Haematological Values in Camels Kept in Cholistan Desert". *National Conference on Pakistan Agriculture: Challenges and Opportunities*. Organized by Pakistan Agricultural Scientists Forum. Rawalakot. July 29-31, 2010.
- **U. Farooq** & F. Ismail, "Physiological Responses of Cattle to Heat Stress". *5<sup>th</sup> Int. Symp. Biotech.* Sindh Univ. Jamshoro. Oct. 4-7, 2009. pp. 88.
- F. Shehzad, M.Yaqoob, M. Younis, **U. Farooq**, F. Sher, M. Asim, S. Qamar and M. Akbar, "Factors Affecting the Birth Weight in Cholistani Cattle". *2<sup>nd</sup> Nat. Sym. Micro. Sindh Univ. Jamshoro*. Mar. 18-20, 2010. pp. 16.
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### International

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- **U. Farooq**, I. Ahmad, N. Ahmad, M. Aleem and N. Latif. Studies on age, body weight and orchidometry in Cholistani breeding bulls. *Society for Reproduction and Fertility Annual Conference, University of Edinburgh, UK*, July 09-11, 2012.
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- H. R. Chaudhry, A. Qayyum, **U. Farooq** and H. B. Rashid, "Effect of Diclofenac Sodium in Blue Shoulder pheasant" *2<sup>nd</sup> Int. Vety. Poultry. Cong. Tehran, Iran*. Feb.20-21, 2010
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- H. R. Chauhdry, H.A. Samad, **U. Farooq** and A. Qayyum. "Fish Marketing: Survey of various Shops & Vendors Selling Fish in Pakistan. *2<sup>nd</sup> national Congress on Aquatic Animal Health Management & Disease*. Tehran, Iran. Oct. 26-28, 2010.
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- **U. Farooq**, Ijaz A, N. Ahmad, H. Rehman and H. Zaneb. A study on relationships among age, body weight, orchidometry and semen quality in adult Cholistani breeding bulls. *1<sup>st</sup> International Conference on Animal Production and Environment, Can Tho University, Vietnam*. 13-14 Dec. 2012.
- **U. Farooq**, N. Ahmad D.H. Mughal and S. M. H. Andrabi. Seasonal Variations in Haematochemical Profile of Cholistani AI Bulls. *International Conference on Biological, Chemical and Environmental Sciences. Phuket, Thailand*, 21-22 Jan. 2014. pp 243.
- **U. Farooq**. A Pathway to Sustainable Agriculture through Protection and Propagation of Indigenous Livestock Breeds of Pakistan- Cholistani Cattle as a Case Study. *International Conference on Poverty and Sustainable Development, Colombo, Sri Lanka*, 17-18 June, 2014. pp 19.

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- S Sajjad, M Idris, S Tobassum, **U Farooq** and H Malik. Effects of Naloxone and Yohimbine in Polycystic Ovary Syndrome- A Rabbit Model Revisited. *International Biosciences Conference, Phuket, Thailand*, 29-30 Sept. 2014. pp 85.
- Musadiq I and **U. Farooq**. Role of Medical Councils in Accreditation and Evaluation of Medical Institutes- A Pakistani Perspective. *The Saudi International Medical Education Conference, Al Qassim, Saudi Arabia*, 24-27 Nov. 2014. pp 150
- Musadiq Idris, Sajjad Ali, Syed A. Khaliq, **Umer Farooq**, Anam Khurshid. Descriptive Epidemiology of Mortality in Certain Species of Captive Deer in Pakistan. XIII International conference on animal and veterinary medicine (ICAVM 2015) 11-12 March 2015, Dubai UAE.
- **U. Farooq**. Sustainability through Protection and Propagation of Indigenous Livestock Breeds- Cholistani Breed of Cattle as Model from Cholistan Desert, Pakistan. *3<sup>rd</sup> United Nations Convention to Combat Desertification, Cancun, Mexico*. 9-12 March, 2015. pp: 114.
- **U. Farooq**. A pathway to sustainable agriculture through protection and propagation of indigenous livestock breeds of Pakistan- Cholistani cattle as a case study. *The 3<sup>rd</sup> Animal Production International Seminar and 3<sup>rd</sup> ASEAN Regional Conference on Animal Production, Batu, Indonesia*. 19-21 Oct. 2016. Pp
- **U. Farooq**, Z. Batool, M Lashary, M. Idris and A. Khurshid. A preliminary study on certain blood biomarkers of Cholistani breed of cattle being reared under nomadic pastoralism at various stages of pregnancy. *Agriculture for Life, Life for Agriculture, International Conference of University of Agronomics and Veterinary Medicine, Bucharest, Romania*. 08-10 June, 2017. pp: 38
- **U. Farooq**, M. Idris and A. Khurshid. Accreditation and Evaluation of Veterinary Medical Institutes- A Pakistani Perspective. *Agriculture for Life, Life for Agriculture, International Conference of University of Agronomics and Veterinary Medicine, Bucharest, Romania*. 08-10 June, 2017. pp: 102
- S. Hamid, S. Masood, H. Zaneb, M.S. Khan, M. Younas and **U. Farooq**. Correlations among Body Weight, Testicular Biometry, Semen Characteristics and Sperm Dimensions in Nili-Ravi Buffalo Bulls. *1<sup>st</sup> International Veterinary Anatomy Congress of Turkey. Sandikli, Turkey*. 13-16 September, 2017. pp: 106.

### **Book Published**

- “Factors affecting A.I. in cattle and buffalo of Pakistan. Efficacy of A.I. in Punjab, Pakistan” Lap Lambert Academic Publishing (July, 20, 2010). Germany **ISBN10:** 383838654X. **ISBN13:** 978-3838386546.
- **Paperback: 64 pages**

### **Popular Press Articles**

- I. Ali and **U. Farooq**. (Nov. 2007) Establishment of University College of veterinary & Animal Sciences, The Islamia University of Bahawalpur. *Veterinary News & Views*.
- **U. Farooq**, H.A. Samad, A. Khurshid & S. Umar (Jan. 2011) MOET- An Avenue yet Unexplored. *Veterinary News & Views*. (6): 12



- A. Khurshid, **U. Farooq** & S.A. Mahmood (Feb. 2011). MOET- Areas Currently Under Focus. . Veterinary News & Views. (6): 13
- **U. Farooq**, H.A. Samad & A. Wahab (Feb. 2011) Role of Veterinarians, Redefined. Newsletter in World Veterinary Association ([www.worldvet.org](http://www.worldvet.org))
- **U. Farooq**, H.A. Samad and A. Wahab (Mar. 2011). Role of Veterinarians, Redefined. Veterinary News & Views. (4): 18
- **U. Farooq** (May 30<sup>th</sup>, 2012). Protection and propagation of indigenous cattle of Pakistan. The Business. 7(153): 5
- **U. Farooq**, (March, 2016). Cholistani breed of cattle- A pathway to sustainable agri-livestock sector. Pakistan Observer. pp: 14
- **U. Farooq, T. Abbas & M. Idris** (April, 2018). Genetically Engineered Hormone in Dairy Industry. Pakistan Observer. pp.5 Vol XXIX, Issue 3.

### **Summary of Publications:**

- Papers In Refereed Journals:
  - International: 13
  - National: 26
- Papers In Proceedings: 02
- Abstracts:
  - International: 25
  - National: 16
- Books: 01
- Popular Press Articles: 08

### **WORKSHOPS/TRAININGS/SEMINARS CONFERENCES ATTENDED**

| NATIONAL                        |                                                                                                                                                       |                      |                             |                |
|---------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------|-----------------------------|----------------|
| S. No.                          | Title                                                                                                                                                 | Venue & Dates        | Reason of Attending         | Funding Agency |
| <b>WORKSHOP &amp; TRAININGS</b> |                                                                                                                                                       |                      |                             |                |
| 1                               | "Semester System of Education" Organized by IUB                                                                                                       | IUB, Nov.21-23, 2008 | Campus Management Solutions | None           |
| 2                               | "Peoplesoft Campus Management Solutions" One day interactive workshop Organized By The Islamia University of Bahawalpur & Higher Education Commission | IUB, Jan. 2009       | Campus Management Solutions | None           |
| 3                               | "Advanced English Communication Course for                                                                                                            | IUB. June 23 –       | English                     | IUB            |

|    |                                                                                                                                                                                    |                                                          |                                               |      |
|----|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------|-----------------------------------------------|------|
|    | <i>Administration &amp; Faculty</i>                                                                                                                                                | Aug. 30, 2009                                            | Communication Course                          |      |
| 4  | <i>"Need Assessment for Research Proposals"</i> 1 Day Workshop Organized By Directorate of Planning & Evaluation, L&DD Punjab & University of Veterinary & Animal Sciences, Lahore | UVAS, Lahore, Aug. 03, 2009                              | Research Directions for Livestock of Pakistan | IUB  |
| 5  | <i>"Developing Literature Review"</i> 1-Day Workshop Organized By COMSATS Institute of Technology & Institute of Research Promotion                                                | COMSATS, Lahore, Jan. 1 <sup>st</sup> 2010               | Hands on Practice on Literature review        | IUB  |
| 6  | <i>"Publishing Your Data"</i> 1-Day Workshop Organized By COMSATS Institute of Technology & Institute of Research Promotion                                                        | COMSATS, Lahore, Jan. 29 <sup>th</sup> . 2010            | Hands Training on Publishing                  | IUB  |
| 7  | <i>"Strategies on Improvement in Livestock Reproduction"</i> One Day National Workshop Organized by <b>Society of Animal Reproduction of Pakistan</b>                              | UVAS, Lahore, Nov. 19 <sup>th</sup> , 2011               | Research Groups Meeting                       | IUB  |
| 8  | <i>"Research Methodologies Using Statistical Techniques in Biological Sciences"</i> Organized by Department of Livestock Business Management, UVAS                                 | UVAS, Lahore. Jan. 3-8, 2011                             | Research Methodologies Training               | HEC  |
| 9  | <i>"Manuscript Writing by Using Endnote Software"</i> Organized by UVAS, Lahore                                                                                                    | UVAS, April 1-2. 2013                                    | Using Endnote                                 | HEC  |
| 10 | <i>"Recent Advances in Canine Reproduction"</i> Organized by UVAS, Lahore                                                                                                          | UVAS, June 11-12. 2014                                   | Hands on Training on Canine Reproduction      | IUB  |
| 11 | <i>"1-Day Workshop on Electrophysiology"</i> Organized by UVAS, Lahore and Frei University, Berlin                                                                                 | UVAS, Nov 21. 2014                                       | Hands on Training on Electrophysiology        | None |
|    | <b>SEMINARS</b>                                                                                                                                                                    |                                                          |                                               |      |
| 1  | <i>"Design and Plan of the Desert Safari"</i> 1-Day Consultancy Workshop Organized By Punjab Wildlife & Parks Department                                                           | Lal Suhanra National Park, Bahawalpur. March 15-20, 2007 | Consultation                                  | None |
| 2  | <i>"Dairy Development-White Revolution and Export of Halal Food"</i> One Day Seminar Organized By Trade Development Authority of Pakistan and                                      | BCCI, Bahawalpur, Aug.08, 2009                           | Seminar Attending                             | None |

|                    |                                                                                                                                                                  |                                                           |                                                                            |      |
|--------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------|----------------------------------------------------------------------------|------|
|                    | Bahawalpur Chamber of Commerce & Industry (BCCI), Bahawalpur                                                                                                     |                                                           |                                                                            |      |
| 3                  | <i>"The Awareness and Current Status of Rabies"</i> One Day Seminar Organized by Department of Epidemiology & Public Health, UVAS, Lahore                        | UVAS, Lahore. July 28 <sup>th</sup> , 2011                | Seminar on Rabies                                                          | None |
| 4                  | <i>"Effects of Draught on Cholistani Lives and its Preparedness"</i> Organized by Directorate of Livestock, L&DD, Punjab, Bahawalpur                             | La Taska Hotel, Bahawalpur<br>May 17 <sup>th</sup> , 2017 | Lecture on "Drought and Migratory Paterns of Cholistanis- An Introduction" | None |
| <b>CONFERENCES</b> |                                                                                                                                                                  |                                                           |                                                                            |      |
| 1                  | <i>"International Conference on Nuclearization of South East Asia, Consequences, Challenges and Future Prospects"</i> organized by Faculty of Management Science | IUB, 11-13 March, 2007                                    | Member Organizing Committee                                                | HEC  |
| 2                  | <i>"International Conference on Future Prospects of Dairy Production in Pakistan"</i> Organized By Dept. of Livestock Management                                 | UAF, Faislabad. Nov.03-04, 2008.                          | Oral Presentation                                                          | None |
| 3                  | <i>"5<sup>th</sup> International Symposium on Biotechnology"</i> Organized By University of Sindh, Jamshoro                                                      | University of Sindh, Jamshoro Oct. 4-7, 2009              | Oral Presentation                                                          | IUB  |
| 4                  | <i>"2<sup>nd</sup> National Symposium on Microbiology: New Trends and Advancements in Microbiology"</i> Organized by University of Sindh, Jamshoro               | University of Sindh, Jamshoro. March 18-20, 2010          | Oral Presentation                                                          | IUB  |
| 5                  | <i>"International Conference on Recent Advances in Human Nutrition with Special Reference to Vulnerable Groups"</i>                                              | University of Agriculture, Faisalabad. Feb. 22-25 2010    | Participation                                                              | None |
| 5                  | <i>"International Conference on Toxicology"</i> Organized by UVAS, Lahore                                                                                        | UVAS, Lahore, Jan. 26-27, 2012                            | Poster Presentation                                                        | HEC  |
| 6                  | <i>"International Camel Conference"</i>                                                                                                                          | IUB, 19-21 Dec. 2013                                      | Organizing Secretary/ Oral Presentation                                    | HEC  |



|                      |                                                                                                                                                                                         |                                                                                         |                                                                      |       |
|----------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------|----------------------------------------------------------------------|-------|
|                      |                                                                                                                                                                                         |                                                                                         |                                                                      |       |
| 7                    | <i>"15<sup>th</sup> Shaukat Khanum Cancer Symposium"</i> Organized by Shaukat Khanum Memorial Cancer Hospital & Research Centre, Lahore (SKMCH) and Continuing Medical Education of USA | PC Hotel, Lahore<br>11-13 Nov. 2016                                                     | Invited Lecture                                                      | SKMCH |
| 8                    | <i>"1<sup>st</sup> International Conference on Climate Change and Biodiversity"</i>                                                                                                     | IUB, 02-04 May, 2017                                                                    | Oral Presentation                                                    | IUB   |
| <b>INTERNATIONAL</b> |                                                                                                                                                                                         |                                                                                         |                                                                      |       |
| <b>CONFERENCES</b>   |                                                                                                                                                                                         |                                                                                         |                                                                      |       |
| 1                    | <i>1<sup>st</sup> International Conference on Animal Production and Environment</i>                                                                                                     | <i>Can Tho University, Vietnam.</i> 13-14 Dec. 2012                                     | Oral Presentation                                                    | None  |
| 2                    | <i>International Conference on Biological, Chemical and Environmental Sciences</i>                                                                                                      | <i>Phuket, Thailand,</i> 21-22 Jan. 2014                                                | Oral Presentation / Session Chair<br><br>Termed as Best Presentation | None  |
| 3                    | <i>International Conference on Poverty and Sustainable Development</i>                                                                                                                  | <i>Colombo, Sri Lanka,</i> 17-18 June, 2014                                             | Oral Presentation / Session Chair<br><br>Termed as Best Presentation | PSF   |
| 4                    | <i>XXVIII World Buiatrics Congress</i>                                                                                                                                                  | <i>Cairns, Australia,</i> 25 July-01 Aug 2014                                           | Oral Presentation                                                    | HEC   |
| 5                    | Agriculture for Life, Life for Agriculture, International Conference of University of Agronomics and Veterinary Medicine                                                                | University of Agronomics and Veterinary Medicine, Bucharest, Romania, 08-10- June, 2017 | Oral Presentation                                                    | HEC   |

**WORKSHOPS & TRAININGS**

|   |                                                                                                                                                                                                  |                                                                   |                      |                                                                      |
|---|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------|----------------------|----------------------------------------------------------------------|
| 1 | <i>“Isolation and Quarantine Response Strategies for a Biological Disease Outbreak”</i> A 3-Day Workshop Organized by University of Tennessee Institute of Agriculture, USA.                     | May 30-June 03, 2016<br>Ritz Carlton,<br>Kualalumpur,<br>MALAYSIA | Hands on<br>Training | University<br>of<br>Tennessee<br>Institute of<br>Agriculture,<br>USA |
| 2 | <i>“Prevention and Detection of Infectious Zoonotic Diseases in Public and Agricultural Health Sectors”</i> A 05 Day Workshop Organized by University of Tennessee Institute of Agriculture, USA | April 10-14,<br>2017<br>Intercontinental<br>Amman, Jordan         | Hands on<br>Training | University<br>of<br>Tennessee<br>Institute of<br>Agriculture,<br>USA |

- RESEARCH SUPERVISION**

| S.No. | Name              | Degree               | Position      | Title                                                                                       | Year | Dept.              |
|-------|-------------------|----------------------|---------------|---------------------------------------------------------------------------------------------|------|--------------------|
| 1     | Ms. Zahra Batool  | BS (Hons)<br>Zoology | Co-Supervisor | Studies on Certain Blood Biomarkers of Cholistani Cattle During Various Stages of Pregnancy | 2014 | Life Sciences, IUB |
| 2     | Ms. Zobia Parveen | BS (Hons)<br>Zoology | Co-Supervisor | Assessment of Anemia in Students of IUB through Manual Hematological Parameters             | 2017 | Life Sciences, IUB |
| 3     | Ms. Rabia Hameed  | BS (Hons)<br>Zoology | Co-Supervisor | Sex Determination by Barr Body of Neutrophils in Humans and Dogs                            | 2017 | Life Sciences, IUB |
| 4     | Ammara Arshad     | BS (Hons)<br>Zoology | Co-Supervisor | Sex Determination by Barr Body of Neutrophils in Cattle and Buffalo                         | 2017 | Life Sciences, IUB |
| 5     | Abrar Hussain     | MS<br>Biotechnology  | Supervisor    | Failure in Passive Transfer in Cholistani Calves                                            | 2018 | Virtual            |
| 6     | Amir Nazir        | MS<br>Biotechnology  | Supervisor    | Biomarkers of Pregnant Cholistani Cattle                                                    | 2018 | Virtual            |

**REFERENCES (UPDATED JULY, 2018)**

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- **Prof. Dr. Habib Rehman**, Dean Biosciences, University of Veterinary & Animal Sciences, Lahore. 0323 4248958; habibrehman@uvas.edu.pk
- **Prof. Dr. Muhammad Shahab**, Department of Animal Sciences, Quaid e Azam University, Islamabad, Pakistan. 0342 5479217; mshahab@qau.edu.pk
- **Dr. Sarwat Jehan**, Chair-Person Department of Animal Sciences, Quaid e Azam University, Islamabad, Pakistan. 0301 8550566.
- **Dr. Syed Murtaza H. Andrabi**, Principal Scientist, National Agricultural Research Centre, Islamabad. 0333 5167360; [andrabi123@yahoo.com](mailto:andrabi123@yahoo.com)
- **Dr. Muhammad Anzaar**, Department of Bio-Medical Sciences, Western College of Veterinary Medicine, University of Saskatchewan, Saskatoon, Canada. 306 966 7376; muhammad.anzar@agr.gc.ca.
- \* Food and Agriculture Organization / International Atomic Energy Association of the United Nations Organization