

CURRICULUM VITAE



OBJECTIVE:

A challenging position that will capitalize on my extensive background within the management and that will provide an opportunity to contribute to the goals of the University. My interest areas are Embryo Biotechnology, Bovine and Equine ultrasonography where I look for new challenges to surpass and established things to improve.

PERSONAL DATA:

Name: Muhammad Usman Mehmood
Date of birth: April 20, 1985
Citizenship: Pakistani (36302-0220809-5)
Marital status: Married
Official address: Lecturer
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EDUCATION:

Degree	Marks/C.G.P.A	Year	Specialties	Institution
M.Phil.	3.94/4	2012	Theriogenology (Synchronization)	UVAS, Lahore
DVM	3.41/4	2009	Veterinary Science	UVAS, Lahore
Intermediate	766/1100	2004	Biology	B.I.S.E Multan
Matric	666/850	2002	Biology	B.I.S.E Multan

WORK EXPERIENCE:

Job	Duration	Institution
Lecturer	Dec10, 2012 to date	University of Veterinary & Animal Sciences, Lahore, Pakistan
Teaching Assistant	May 2012 – Dec 2012	University of Veterinary & Animal Sciences, Lahore, Pakistan
Internee	July 2009 – Nov 2009	AL-HAIWAN SIREs, JogiChowk, Sahiwal

SPECIALTY/ ABILITIES:

- ❖ Buffalo Embryo biotechnology
- ❖ Inverted Microscope and Confocal Microscopy
- ❖ PCR
- ❖ Pregnancy Diagnosis (Small ruminants, large ruminants, Equine family)
- ❖ Ultrasonography (Small ruminants, large ruminants, Equine family)
- ❖ Obstetrical case handling and Caesarean section
- ❖ Vaginal Cytology (Bitch)
- ❖ Breeding soundness examination and Semen evaluation
- ❖ Training of veterinarians and paravet staff and Extension advisory services 24/7 (Farm visits)

TEACHING, EXTENSION & TRAINING:

- ❖ Extensively remained involved in Buffalo IVMFC laboratory Guangxi University
- ❖ Extensively involved to run the embryology laboratory in UVAS Ravi Campus Pattoki from September 2020 till to date.
- ❖ Involved in handling of clinical cases presented at Theriogenology clinic.
- ❖ Involved in extension services and a large number of Farm visits.
- ❖ Conducted 2 months training to Gilgit Field officials.
- ❖ Acted as Coordinator of 10 days Doaba training course.
- ❖ Engaged in evening duties at the outdoor and also night duties.
- ❖ Involved in delivering Live Radio Talks.
- ❖ Engaged in different routine lab examinations of Theriogenology Department, e.g., vaginal cytology of bitches, Fresh semen analysis of dogs and Post Thaw semen evaluation of bulls.
- ❖ Resource person in the training workshop on “Innovations in Reproductive Management of Dairy Animals” (Ultrasonography, Estrus Synchronization and Post Thaw Semen Quality) April 13, 2013.
- ❖ Resource person in the training workshop of “In-Service Competency Enhancement Training for Teachers” (I-SCETT) (Course Management and Filing).
- ❖ Resource person in training workshop on reproductive ultrasonography in small and large ruminants 05-06, August 2015.
- ❖ Resource person in the training workshop on Protocols and techniques of inseminating sexed semen in cattle 14-18 Dec, 2015.

Undergraduate Teaching (DVM students)

Course No.	Title of Course
THER-608 3(2-2)	Physiology of Reproduction
THER-707 4(2-4)	Obstetrics and Genital Diseases
THER-708 2(0-4)	Reproduction Clinic-I
THER-806 3(0-6)	Animal Reproduction Clinic II
THER-907 3(0-6)	Animal Reproduction Clinic III

Postgraduate Teaching (MPhil students)

THER-1001	Embryo Transfer in Farm Animals
THER-1001	Reproduction in Farm Animal
THER-1008	Equine Reproduction
THER-1011	Diagnosis Ultrasonography in Animal Reproduction

PROFESSIONAL CERTIFICATES:

- ❖ Six Month **Computer Proficiency License** Course (Spring 2010) from Virtual University of Pakistan.

- ❖ 10 weeks **Intensive Training Programme on Spoken English** from 14-07-2010 to 30-09-2010 British University College Multan.

WORKSHOPS/SEMINARS/CONGRESSES/SCIENCE CONFERENCES ATTENDED:

- ❖ Five Days Dairy Products Preparation, Value Addition and Marketing Training Work Shop (**24-28 May, 2010**) from Dept. of Livestock Management, Khyber Pakhtunkhwa Agricultural University Peshawar.
- ❖ Two weeks training course entitled Bird Watching **2009** from UVAS, Lahore.
- ❖ Training by higher education commission on attending the workshop on Course Design, Assessment and Microteaching September 03 to 07, 2012 UVAS, Lahore.
Participated in National Work shop Strategies for Improvement in Livestock Reproduction 19th November, 2011 UVAS, Lahore.
- ❖ Participated in National Biotechnology Exhibition and Seminar 20 to 21 October, 2010.
- ❖ Participated in workshop new approaches of estrus synchronization in dairy animal.
- ❖ Participated in one day training workshop of presiding officers organized by Election Commission of Pakistan April 19, 2013 at Shahdra, Lahore.
- ❖ Participated in the United States-Pakistan Initiative in Higher Education for Civic Engagement (A Project Funded by US Embassy in Islamabad) July 2, 2013.
- ❖ Participated in two days International Training workshop on Civic Engagement held on June 26 & 28, 2013 UVAS, Lahore.
- ❖ Workshop on Biostat Data Analysis and Proposal Development in UVAS, Lahore, Pakistan held on December 22-27, 2014.
- ❖ International symposium on dairy animal reproduction in UVAS, Lahore, Pakistan held on March 30-31, 2015, participated as resource person.

HONORS AND AWARDS:

- ❖ CSC scholarship awarded by the Government of China for pursuing PhD.
- ❖ IOM no. GSD/3780/ scholarship won merit scholarship **2010-2011** on a competitive basis by State Bank of Pakistan January 25, 2011.
- ❖ Selected and stand first in Punjab Public Service Commission Examination on Buffalo Research Institute seats.
- ❖ Awarded certificate of appreciation for working efficiently as a volunteer in outdoor clinic from **1st** November to 16 November, 2010 (Eid-days).
- ❖ Dr. Muhammad Usman Mehmood has qualified the postgraduate student orientation program of two weeks duration held from 28th Sept-8 October, 2010.
- ❖ Stood First in Intra University Badminton Tournament.

NOMINEES:

- ❖ Nominee of European Society of Domestic Animal Reproduction on the **“Effect of Estradiol Benzoate on Estrous Response, Intensity and fertility in CIDR treated crossbred heifers”**.
- ❖ Nominee of Premier ADSA-ASAS Joint Annual Meeting on the **“Effect of Estradiol Benzoate on Estrus Intensity, Estrus Response and Fertility in CIDR Treated Crossbred Heifers.”**
- ❖ Nominee of **Cochran Fellowship Program, USDA** (US Department of Agriculture) 2013.

MEMBERSHIPS:

- ❖ Professional member of **American Dairy Science Association (ADSA) 2013** (An International Dairy Science Association).
- ❖ Member of Vets Care Club during years **2007-2009** University of Veterinary and Animal Sciences Lahore.
- ❖ Member of Vet Crescent Society during years **2008-2009** University of Veterinary and Animal Sciences Lahore.
- ❖ Member of Vets Blood Donor Society during years **2005-2008** University of Veterinary and Animal Sciences Lahore.
- ❖ Member of SAVERS during years **2008-2009** University of Veterinary and Animal Sciences Lahore.

PROFESSIONAL MEMBERSHIPS:

- ❖ Life time member of Alumni Association UVAS, Lahore.
- ❖ Life time member of Society for Animal Reproduction of Pakistan.
- ❖ Life time member of Pakistan Veterinary and Medical Council Pakistan.

PUBLICATIONS:

- ❖ Khan, H., Rind, M.M., Ahmad, S., Usman, M., Raza, S., Khan, M.S. and Ali, I., (2008). Gross Morphometric Features of the Epididymis in Adult Male Pakistani Goats (*Capra hircus*). J. Ornithol, 149, pp.495-506. (IF =0.4)
- ❖ **Mehmood, M.U.**; S. Mehmood; A. Riaz; N. Ahmad and **A. Sattar** (2012) Superovulatory response in summer anestrus buffaloes and cattle treated with estrus synchronization protocol. The journal of Animal & Plant Sciences, 22 (4) : 888-893 (IF = 0.45)
- ❖ **Mehmood M.U.***; W. Abbas; A. Jabbar; J. Khan; A. Riaz and A. Sattar (2013) An Inidodymus Dicephalic Buffalo Neonate" "Journal of Animal and Plant Sciences". (IF = 0.5)
- ❖ Khan, H., Rind, M.M., Mehmood, M.U., Shahzad, Q., Gohar, A., Alam, M., Ali, Q. and Kumbar, H.K., (2014). Biometric assessment of the testis in Pakistani adult male goats (*Capra hircus*). Pakistan Journal of Zoology, 46(3), pp.880-884. (IF =0.4)
- ❖ **Mehmood, M.U.**, Qamar, A., Raza, S., Khan, H., Shahzad, Q. and Sattar, A., (2014). Dystocia Dueto Perosomus Elumbis (Acaudatus) in a Buffalo. "Pakistan Journal of Zoology". 4, pp.326-327. (IF =0.4)
- ❖ M Waqas, **MU Mehmood*** Q Shahzad, A Sattar, R Kausar, Z Naseer (2015). Comparative Efficacy of Ovsynch and G6G Protocols on Synchronization and Pregnancy Rate in Nili-Ravi Buffaloes Animal Reproduction Science. (IF = 1.51)
- ❖ Q. Shahzad, **M.U. Mehmood**, A.U. Husna, S. Qadeer, Z. Naseer, M. Ahmad. Royal Jelly supplementation in semen extender enhances post-thaw quality and fertility of Nili-Ravi buffalo bull sperm Animal Reproduction Science. (IF = 1.51)
- ❖ Huimin Zhao, Tingting Li, Huan Yang, **Muhammad Usman Mehmood**, Yangqing Lu, XingWei Liang, Xiaogan Yang, Huiyan Xu, Kehuan Lu and Sheng Sheng Lu. The effects of growth factors on proliferation of spermatogonial stem cells from Guangxi Bama mini-pig. Reproduction in Domestic Animals (IF = 1.6)
- ❖ Nadir Hussain, Syed Murtaza Hassan Andrabi and **Muhammad Usman Mehmood***. Effect of EDTA as chelating agent in extender on the post thaw quality of buffalo bull spermatozoa. Cryo-letters (IF=0.8)
- ❖ **Muhammad Usman Mehmood**, Ahmad Qamar, Abdul Sattar, Liaquat Ahmad, Nasim Ahmad Incorporation of estradiol benzoate to CIDR protocol improves the reproductive responses in crossbred dairy heifers. Tropical Animal Health and Production (IF=1)

Conference Papers/Abstracts:

- ❖ **Mehmood, M.U.***, Qamar, A.Y., Ahmad, N., Sattar A. and M. Abdullah (2013) Effect of estradiol benzoate on estrus intensity, estrus response and fertility in CIDR treated crossbred heifers. J Anim. Sci. Vol 91 E-Suppl. 2/J. Dairy Sci. Vol 96 E-Suppl. 1 pp; 207 (Abst No. 228)
- ❖ M. Aleem* and **M. U. Mehmood** (2015). Management of Reproductive Disorders in Buffaloes and

Cows. In *Proceedings of ISDAR* (International Symposium on Dairy Animal Reproduction March 29-31, 2015) Journal of Veterinary & Animal Sciences

❖ A Rehman · A Sattar · A Riaz · M Ahmad · M Ijaz · M Shahzad · M Ahmed · MU Mehmood (2015). Effect of Butylated Hydroxytoluene (BHT) supplementation on semen quality at different stages of cryopreservation of Beetal buck sperm. In *Proceedings of ISDAR* (International Symposium on Dairy Animal Reproduction March 29-31, 2015) Journal of Veterinary & Animal Sciences

❖ A Razzaq · A Sattar · A Riaz · M Avais · M Ahmad · AG Tarin · MU Mehmood · M Younis (2015).

A strategy to improve cryosurvival and fertility of buffalo bull spermatozoa. In *Proceedings of ISDAR* (International Symposium on Dairy Animal Reproduction March 29-31, 2015) Journal of Veterinary & Animal Sciences

Popular Press Article:

Dr. Muhammad Usman Mehmood*, Breeding strategies for improving fertility in mares Horse & Horseman

REFERENCES:

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