

Dr Ihsan Ali

PhD (Animal Genetics Breeding& Reproduction)

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Dated of Birth: 03-03-1983

Qualification/Education

PhD Reproduction & Embryology (Theriogenology) 2014-2018 at Yanbian University Yanji China.

M. Phil (Basic veterinary Medicine) 2009-20011 at University of Veterinary and Animal Sciences, Lahore, Pakistan

D.V.M 2004-2008 at the University of Agriculture, Peshawar, Pakistan

F.Sc 2001-2003 at GPG College, Mardan, Pakistan

Matric 2000- GHS Yar Hussain Swabi KP

Personal skills and

Competences

Mother tongue(s). **Pashto.**

Other language(s)

Self-assessment



	Understanding		Speaking		Writing
	Listening	Reading	Spoken Interaction	Spoken Production	
Urdu	Excellent	Excellent	Excellent	Excellent	Excellent
English	Excellent	Excellent	Excellent	Excellent	Excellent
Chinese	Excellent	Fair	Excellent	Excellent	Fair

Technical skills and competences

Development & Execution of In-Vivo and In-Vitro Research, Invitro oocytes maturation, Invitro fertilization and Invitro embryo development. Oocytes collection Techniques from Laboratory Animals, Immunohistochemical Techniques, ELISA Techniques, Histopathological Techniques, Western Blotting, Confocal Microscopy, Florescent Microscopy etc. Beside these skills my present job as lecture in theriogenology gave me a wealth of experience as a teacher and researcher on one hand but mentor for undergraduate student's seminars on other hand.

Working Experience

March,01, 2011 to date

Lecturer at CVS The University of Agriculture Peshawar Pakistan.

April, 2009-Feb 2011

(Teaching Assistant) I was teaching practical courses to

Undergraduates at UVAS Lahore, Pakistan.

Academic Forums responsibilities

Sep 2015 to date

Convener of the character building society of CVS&AH

Member of the departmental equipment purchase and inspection committee

Member of alumni committee of YBU Yanji China.

Member of alumni committee of UVAS Lahore.

Member of admission committee of the college

Summary

Teaching	Number of different Courses taught – Master (PhD&Mphil Theriogenology)= 4 Bachelor (DVM)= 3
Administration	Coordinator - working as Coordinator at College of Veterinary Sciences since April 2011.
Students supervised	Number of PhD students under supervision <ul style="list-style-type: none">➤ Supervisor = 2 in progress➤ Co-supervisor = 1 in progress M.Sc. (Hons)/ M.Phil <ul style="list-style-type: none">➤ Supervisor = 1 in progress➤ Co-supervisor = 2 graduated, and 3 in progress
Publications	<ol style="list-style-type: none">1. Kakar, Z, Ihsan Ali, Kausarzeb, Z. A. Shah, I. U. Haq, Rafiuallah, T. Hussain and S. Khan. PRODUCTION PATTERNS OF SHEEP AND GOATS IN DISTRICT QILA ABDULLAH (BALOCHISTAN). J Anim Plant Sci ,23(1 Suppl.): 2013, Page: 35-38.2. Hamayun Khan, Mohammad Misri Rind, Shakoor Ahmad, Muhammad Usman Mehmood, Asad Sultan, Qaiser Shahzad, Sanan Raza, Mohammad Saleem Khan and Ihsan Ali. Gross Morphometric Features of the Epididymis in Adult Male Pakistani Goats (<i>Capra hircus</i>). Pakistan Journal of Zoology . 47(2), pp. 574-578,2015.3. De-Bao Hu, Zhong-Shu Li, Ihsan Ali, Li-Jie Xu & Nan-Zhu Fang. Effect of potential role of p53 on embryo development arrest induced by H2O2 in mouse. In Vitro Cellular & Developmental Biology – Animal. DOI 10.1007/s11626-016-0122-1.4. Ihsan Ali, Syed Zahid Ali Shah, Yi Jin1, Zhong-Shu Li, Obaid Ullah, Nan-Zhu Fang. Reactive oxygen species-mediated unfolded protein response pathways in preimplantation embryos. J Vet Sci 2017, 18(1), 1-

5. **Ihsan ALI**, Hai Xing LIU, Li ZHONG-SHU, Ma DONG-XUE, Lijie XU, Syed Zahid Ali SHAH, Obaid ULLAH and Fang NAN-ZHU. Reduced glutathione alleviates tunicamycin-induced endoplasmic reticulum stress in mouse preimplantation embryos. *Journal of Reproduction and Development*. 64(1):15-24. DOI:10.1262/jrd.2017-055. Epub 2017 Oct 27.
 6. Xu Lijie, Obaid Ullah, Liu Haixing, **Ihsan Ali**, Zhongshu Li and Nan-Zhu Fang. Pioglitazone Mediated Reduction in Oxidative Stress and Alteration in Level of PPAR γ , NRF2 and Antioxidant Enzyme Genes in Mouse Preimplantation Embryo during Maternal to Zygotic Transition. *Pakistan Journal of zoology*. 51(3), pp. 1085-1092,2019/DOI;10.17582/journal.pjz/2019.51.3.1085.109282.
 7. Obaid Ullah, Li Zhongshu, **Ihsan Ali**, Lijie Xu, Haixing Liu & Nanzhu Fang. Effects of Pterostilbene on the Activation of Nuclear Factor Erythroid 2-Related Factor 2 Pathway During *in vitro* Maturation of Mouse Oocytes *Journal of Agricultural Science*. Vol. 10, No. 7; 2018. doi:10.5539/jas.v10n7p35.
 8. Obaid Ullah, Zhongshu Li, **Ihsan Ali**, Lijie Xu, Haixing Liu, Hua-Zhi Jin, Yan-Ya Fang, Qing Guo Jin and Nanzhu Fang. Pterostilbene exerts a protective effect via regulating tunicamycin-induced endoplasmic reticulum stress in mouse preimplantation embryos. *In Vitro Cellular & Developmental Biology – Animal*. <https://doi.org/10.1007/s11626-018-0308-9>,
 9. Obaid ULLAH1, Zhongshu LI, **Ihsan ALI**, Lijie XU, Haixing LIU, Syed Zahid Ali SHAH and Nanzhu FANG. Pterostilbene alleviates hydrogen peroxide-induced oxidative stress via nuclear factor erythroid 2 like 2 pathway in mouse preimplantation embryos. *Journal of Reproduction and Development*. Vol. 65, No 1, 2019.
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10. Saqib Nawaz, Sher Bahadar Khan¹, Umar Sadique, Muhammad Israr, Mumtaz Ali Khan, Hameed Ullah Khan, Muhammad Irshad, **Ihsan Ali** and Haq Aman Ullah. Molecular Characterization and Pathogenesis of Local Isolates of *Clostridium perfringens* Type D from Sheep in District Peshawar. Pakistan J. Zool., pp 1-4, 2021. DOI: <https://dx.doi.org/10.17582/journal.pjz/20200203170216>.
 11. Syed Zahid Ali Shah, Muhammad Sarwar Khan, **Ihsan Ali**, Rafiullah, Tariq Hussain and Hamid Sattar. Comparative Anthelmintic Efficacy of Caesalpinia Crista, Nigella Sativa and Oxfendazole in Broilers with Experimentally Induced Ascaridia Galli Infection. Journal of Anim Sci Adv. 5(6): 1344-1349, DOI: 10.5455/jasa.20150425041541.
 12. Maryum Ilyas, Firasat Hussain, Faisal Siddique, Waqas Ashraf, Muhammad Moazam Jalees, **Ihsan Ali**, Ikram Muhammad, Abdur Rauf, Naila Azam, Siraj Bahadar and Muhammad Shuaib. Molecular screening for leaf and yellow rust resistance genes in Pakistani wheat varieties. Bioscience Research.
 13. Muhammad Ishfaq · Ziaur Rahman · Muhammad Aamir · **Ihsan Ali** · Yurong Guan · Zhihua Hu. Insight into potent TLR2 inhibitors for the treatment of disease caused by Mycoplasma pneumoniae based on machine learning approaches. Molecular Diversity. <https://doi.org/10.1007/s11030-022-10433-5>.
 14. Rizwanullah, Abdur Rauf, Firasat Hussain, **Ihsan Ali**, Javed Muhammad, Alia Gul, Hazrat Hussain, Mushtaq Ahmad Gondal, Muhammad Ilyas, Mohammad Kamil, Rubywali Khan, Muhammad Romman, Rainaz Pervaiz, Naila Hadayat, Hamza Iftikhar, Muhsin Jamal. Biological Investigation on Novel Natural Dye Extracted from the Bark of Calligonum polygonoides L. and Their Application on Cotton Fiber. Pol. J. Environ. Stud. Vol. 31, No. 4 (2022), 1-8. DOI: 10.15244/pjoes/143115.
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15. Noor Bad Shah Khattak, Hamayun Khan, Muhammad Tarique Tunio, Shakoor Ahmad, Nazir Ahmad, Syed Murtaza Hassan Andrabi, Obaidullah, **Ihsan Ali** and Nan-Zhu Fang. Dose-Dependent Effect of Green Tea (*Camellia sinensis*) Extract in the Post-Thawed Fertility Indicators of frozen Bovine Semen Extender . PJZ
 16. Jawad Ahmad, Huang Yun-He, Arab Hussain, Amjadullah, Ahmad Yar, Subhanullah, Zeshan Ali, Hamid Sattar, Tariq Hussain, Hamayun Khan, Ali Gohar, Obaidullah, Nan Zhu Fang, Yanya Fang, **Ihsan Ali** and Zhongshu Li. Hematological Profile of Achai Cows during Different Stages of Pregnancy in Kohistan Hindukush Mountainous Range. PJZ
 17. Wuying Lang, Min Cheng, Xin Zheng, Yongping Zhao, Yunlong Qu, Zhao Jia, Haizhou Gong, **Ihsan Ali**, Jingwen Tang, Haihua Zhang. Forsythiaside A alleviates methotrexate-induced intestinal mucositis in rats by modulating the NLRP3 signaling pathways. *International Immunopharmacology* 103 (2022) 108466.
 18. Dong-Xue Ma, Yan-Ya Fang, Hamid Sattar, Obaid Ullah, Hai-Xing Liu, Qing-Guo Jin, Hua-Zi Jin, **Ihsan Ali**, Nan-Zhu Fang, Zhong-Shu Li. Relationship between the level of reactive oxygen species and apoptosis pathways through activation of caspase family in mouse preimplantation embryo. PJZ (Accepted)

Other responsibilities and administration

Member of different committees at the college/University

- Member of character building committee
 - Member of purchase committee
 - Departmental alumni coordinator
 - Member of admission committee
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Reviewed manuscripts for national and international peer reviewed journal

- Reviewed papers for 3 different inter/national Journals

Establishment of Lab

Establish embryo production lab at VRI Peshawar.

Projects

1. Development of a novel *in vitro* embryo development media using local potential phyto extract and its comparative assessment with commercially available *in vitro* development Medias for preservation of buffaloes. Funded by Pakistan Science Foundation (PSF).
2. Development of a premium mycotoxin binder from local resources and its comparative assessment with commercial toxin binders on dairy cattle production and reproduction. Funded by Pakistan Science Foundation (PSF).
3. Validation and development of rapid diagnostic kit for detection of early pregnancy (PSF).

Organizer of workshops/conference/trainings

Organizer/resource person

Organizer of Dairy Science Park” on 12th April 2012 at Agriculture university Peshawar.

Organizer of three different one day workshops/seminars for DVM students.

Attend two months training on development of decontamination and management strategies for disposal of biological wastes. By Health security partners.

Registration with professional bodies

Member of Pakistan Veterinary Medical council and Pakistan Veterinary medical association.