

Curriculum Vitae



PERSONAL INFORMATION:

Name: ZIA UR REHMAN

Designation/Department/ Address: Assistant Professor

College of Veterinary Sciences, FAHVS, The University of Agriculture, Peshawar, 25120

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Scholar ID: **ORCID:** [0000-0002-9807-5240](https://orcid.org/0000-0002-9807-5240)

Society: Society for Theriogenology and Reproductive Medicine (SFTRM) <https://sftrm.org/>

PROFESSIONAL EDUCATION:

- PhD (2017) Animal Reproduction (Theriogenology) Thesis Title; “Regulation and Mechanism of AMH on Sertoli Cells and Follicular Development,” Huazhong Agricultural University Wuhan, PR China
- MSc (Hons) (2007) Animal Reproduction on “Freezability of Kundhi Buffalo Bull Semen,” Sindh Agricultural University, Tandojam
- DVM (2004) Doctor of Veterinary Medicine, Sindh Agricultural University, Tandojam
- Intermediate from Board of Intermediate and Secondary Education, Peshawar, Pakistan

CARRIER PROFILE:

After completion of Doctor of Veterinary Medicine (DVM) degree, I got M. Sc (Hons) degree from Sindh Agriculture University Tandojam during 2007 under the supervision of Professor Dr. Uris Samo, I joined the National Rural Support Program, Islamabad and University of Agriculture Peshawar for a period of about one and a half year respectively. Then I worked at the provincial Livestock Department of Khyber Pakhtunkhwa as Veterinary Officer (Health) for three years. During this period of about five years I got an opportunity to understand the issues faced by the small poor farmers, and educated the emerging entrepreneurs across livestock value chain. At the same time I established my own clinic to utilize my knowledge of Theriogenology / management, and introduced good clinical practices focused at improving the breed, animal fertility and disease resistance through appropriate reproductive management.

During 2011, I joined the University of Agriculture Peshawar as regular Lecturer in the College of Veterinary Sciences. I taught reproductive physiology, gynecology and obstetrics, and reproductive biotechnology. Semen cryopreservation was my major area including the post thaw quality parameters to improve conception rate in bovine and buffalo. Besides, I also worked on the optimization of estrus synchronization and pregnancy diagnosis by using ultrasonography in local goats. During this period, I moved to Huazhong Agricultural University Wuhan, PR China for Doctorate. My research focused on the role of Anti-Müllerian hormone in the sertoli/sperm cells, and finding of genomic and proteomic in granulosa cells. During that period I was trained in molecular techniques: cell culture of sertoli cells/granulosa cells/ CHO cells, use and construction of shRNA plasmid, siRNA, RNA/DNA extraction, proliferation, apoptosis, IHC, ICC, RT-PCR, RT-qPCR and western blotting.

I would like to work on application of genomics, proteomics and metabolomics in animal nutrition and reproduction of various livestock species specially food animals, focused on the issues impeding the fertility through genetic improvement of these animals. The techniques to be applied in pursuing such type of research studies would comprise cell culture, endocrinology, genetic markers, epigenetics and in-vitro-fertilization thorough the advances in their application.

TRAININGS, WORKSHOPS AND PROFESSIONAL ACTIVITIES:

Organized			
	Year	Title	
1	2021	One-day Introductory Training on Ultrasonography in Domestic Animals January 2021	
2	2022	Hands-on workshop on Ultrasonography in Bovines, September 13-15, 2022	
4	2023	Hands-on Workshop on Artificial Insemination in Goats, October, 2023	
5	2024	Modern Breeding Technologies in Cattle at PARC, Islamabad in 2024	
Participation			
	Year	Title	Country
1.	2021	Laparoscopic Artificial Insemination in Goats, NARC Islamabad	Pakistan
2.	2021	Early pregnancy diagnosis using by using ultrasonography in Kashmeri sheep at the University of Poonch, Rawlakot.	Pakistan
3.	2019	One-week training on “Advanced Biological Mitigation Trainings of Trainers Workshop” at COMSTECH Secretariat Islamabad.	Pakistan
4.	2017	Orally presented a research article at the Nanjing agriculture University, PR China.	China
5.	2011	Organizer of the International Conference on Dairy Science Park at the University of Agriculture Peshawar.	Pakistan
6.	2008	Participated training in “Poultry Disease diagnosis” from Poultry	Pakistan

		Research Institute Punjab.	
7.	2006	Attended the 25 th Pakistan Congress of Zoology (international) Sindh Agriculture University, Tandojam.	Pakistan
8.	2005	Training on “Advance Diagnostic & Surgical Techniques in Veterinary Practice” at the department of Surgery & Obstetrics, Faculty of AH & VS, SAU, Tandojam. Offered by Dr. I.H. Kathio, Pittston animal Hospital USA	Pakistan
9.	2004	Training on “Equine Surgery & Diagnostics” Faculty of AH & VS, SAU, Tandojam Offered by Dr. I.H. Kathio, Pittston animal Hospital USA	Pakistan

Total Research/Review Articles= 44, Total IF= 123.3

RESEARCH ARTICLE AS FIRST/CORRESPONDING AUTHOR:

S. No	Year	Title	IF
1	2022	Talpur, H.S.; Rehman, Z.U. ; Gouda, M.; Liang, A.; Bano, I.; Hussain, M.S.; FarmanUllah, F.; Yang, L. Molecular Genomic Study of Inhibin Molecule Production through Granulosa Cell Gene Expression in Inhibin-Deficient Mice. <i>Molecules</i> 2022, 27, 5595. https://doi.org/10.3390/molecules27175595 (Corresponding author) □	4.93
2	2022	Nazif MS, Rehman ZU , Khan H, Khan FA, Hussain T, Ahmad A, Farmanullah, Husnain A, Muhammad S, Murtaza G, Gang L. Glycine Improved Cryopreserved Spermatozoa Quality in Achai Bull. <i>Biomed Res Int.</i> 2022 , 4;2022:8282387. doi: 10.1155/2022/8282387. PMID: 35968237; PMCID: PMC9371871 (Corresponding author)	3.4
3	2018	Ur Rehman Z , Khan FA, Farmanullah, Talpur HS, Liu Q, Liu S, Yang L. Transcriptome profiling of anti-müllerian hormone treated preantral/small antral mouse ovary follicles. <i>Oncotarget.</i> 2018, 13;9(54):30253-30267. doi: 10.18632/oncotarget.25572. PMID: 30100987; PMCID: PMC6084392.	5.1
4	2017	Rehman ZU , Worku T, Davis JS, Talpur HS, Bhattarai D, Kadariya I, Hua G, Cao J, Dad R, Farmanullah, Hussain T, Yang L. Role and mechanism of AMH in the regulation of Sertoli cells in mice. <i>J Steroid Biochem Mol Biol.</i> 2017, 174:133-140. doi: 10.1016/j.jsbmb.2017.08.011. Epub 2017 Aug 26. PMID: 28851672.	4.56
5	2012	Zia ur Rehman , M. Uris Samo, Tofique Ahmad Qureshi, S Khan, MS Qureshi, Abdur raziq.2011. “Studies on the freezability of Kundhi buffalo bull semen” <i>J. Anim. Plant Sci:</i> 22(Sup2)18-23 issue,1018-7081	0.638
6	2022	¶Jiajia Liu, ¶ Zia ur Rehman , Xiaoran Liu, Qing Liu, and Liguog Yang* Transportation stress suppress reproductive performance in female mice and relevant genes detection. Under review in the Molecules Journal	4.9

RESEARCH ARTICLE AS CO-AUTHOR:

S. No.	Year	Title	IF
1.	2023	Curcumin-Loaded Nanofibrous Matrix Accelerates Fibroblast Cell Proliferation and Enhances Wound Healing via GSK3-β Inhibition. Kiran Konain , Nayyer Saddique, Muhammad Samie, Zia Ur Rahman , Sajida	3.3

		Farid, Shazia Hameed, Munazza R. Mirza, Wenhui Wu, Kyung Mi Woo, Praveen R. Arany and Saeed Ur Rahman. <i>J. Compos. Sci.</i> 2023, 7(8), 343; https://doi.org/10.3390/jcs7080343	
2.	2022	Zhang,Zhewei Xiao,Ke Wang,Sheng, Ansari,Abdur Rahman, Niu,Xiaoyu, Yang,Wenjie, Lu,Mengqi, Yang,Zhi, Rehman, Zia ur , Zou, Weihua, Bei, Weicheng, Song,Hui, 2022. Visfatin is a multifaceted molecule that exerts regulation effects on inflammation and apoptosis in RAW264.7 cells and mice immune organs, <i>Frontiers in Immunology</i> , 13, 1664-3224. DOI 10.3389/fimmu.2022.1018973	7.7
3.	2022	Muhammad Izhar ul Haque, Farhan Anwar Khan, Umar Sadique, Hamayun Khan, Zia ur Rehman , Salman Khan, Hayatullah Khan, Faisal Ahmad, Mumtazur Rahman, Faiz Ur Rehman, Muhammad Saeed, Mehboob Ali and Umars Sadiuq Pakistan <i>J. Zool.</i> , pp 1-8, 2022. Molecular, Serological and Pathological Detection of Mycobacterium Avium subsp. Paratuberculosis Infection in Small Ruminants in Peshawar, Pakistan DOI: https://dx.doi.org/10.17582/journal.pjz/20191014071021	0.83
4.	2021	Farmanullah F, Liang X, Khan FA, Salim M, Rehman ZU , Khan M, Talpur HS, Schreurs NM, Gouda M, Khan SU, Shujun Z. Transcriptomic In-silico Analysis of Bovine Escherichia Coli Mastitis Highlights its Immune-related Expressed Genes as an Effective Biomarker. <i>J Genet Eng Biotechnol.</i> 2021, 12;19(1):153. doi: 10.1186/s43141-021-00235-x. PMID: 34637035; PMCID: PMC8511192.	
5.	2021	Fan, H.; Ren, Z.; Xu, C.; Wang, H.; Wu, Z.; Rehman , Z.u.; Wu, S.; Sun, M.-a.; Bao, W. Chromatin Accessibility and Transcriptomic Alterations in Murine Ovarian Granulosa Cells Upon Deoxynivalenol Exposure. <i>Cells</i> 2021, 10, 2818. https://doi.org/10.3390/cells10112818	4.4
6.	2020	Farmanullah,, Seyed Mahdi Hosseini, Aixin Liang,, Guohua Hua, Zia ur Rehman , Hira Sajjad Talpur,, Mohammad Salim, , Zahoor Ahmad, ..., Muhammad Zulfiqar Ahmad, , Ye Tingzhu, Nicola M. Schreurs, Iqra Bano, and Liguo Yang. Adaptive Molecular Evolution of AKT3 Gene for Positive Diversifying Selection in Mammals,2020, <i>BioMed Research International journal.</i> https://doi.org/10.1155/2020/2584627	2.6
7.	2020	Tarique Hussain, Bie Tan, Ghulam Murtaza, Gang Liu, Najma Rahu, Muhammad Saleem Kalhoro, Dildar Hussain Kalhoro, Tolulope O Adebawale, Muhammad Usman Mazhar, Zia ur Rehman , Yordan Mart'inez, Shahzad Akber Khan, Yulong Yin. Flavonoids and Type 2 Diabetes: Evidence of Efficacy in Clinical and Animal Studies and Delivery Strategies to Enhance their Therapeutic Efficacy. <i>Pharmacological Research</i> https://doi.org/10.1016/j.phrs.2020.104629	5.57
8.	2019	Khan H, Khan FA, Sadique U, Ahmad S, Hassan ZU, Ahmad F, Shah M, Ahmad I, Shah Z, Rehman ZU : Genotoxic and toxicopathological effect of aflatoxin B1 in grass carp (<i>Ctenopharyngodon idella</i>). <i>Kafkas Univ Vet Fak Derg.</i> DOI: 10.9775/kvfd.2019.21988	0.5
9.	2019	Ahmadipour B, Kalantar M, Hosseini SM, Rehman ZU , Farmanullah F, Kalantar MH, Yang L: Hawthorn (<i>Crataegus oxyacantha</i>) flavonoid extract as an effective medicinal plant derivative to prevent pulmonary hypertension and heart failure in broiler chickens. <i>Kafkas Univ Vet Fak Derg</i> , 25 (3): 321-328,. DOI: 10.9775/kvfd.2018.20930	0.5
10.	2019	Zia Ur REHMAN , Qing LIU, Dinesh BHATTARAI, Aixin LIANG,	0.5

		Farman ULLAH, Rahim DAD, Sher Bahadur KHAN, Hira Sajjad TALPUR, Sher Ali KHAN, LiguO YANG. Expression Profile of Sox5 and Sox6 in Sertoli and Spermatogonial Cells in Growing Mice Testis. Kafkas Univ Vet Fak Derg, 26 (1): 103-109, 2020. DOI: 10.9775/kvfd.2019.22413	
11.	2018	Rahim Dad Brohi, Amir Bukhsh Kalhoro, Allah Bux Kachiwal, Illahi Bux Kalhoro, Dildar Hussain Kalhoro, Sarfaraz Ahmed, Farhan Anwar Khan, Hira Sajjad Talpur, Zia-ur-Rehman and Dinesh Bhattaria. Comparative Effect of Propofol and Thiopentone Sodium in Sheep Sedated with Xylazine Hydrochloride, Pakistan journal of zoology 51(1) DOI: 10.17582/journal.pjz/2019.51.1.1.7	0.60
12.	2018	Liu Shenhe, Li Jun, Li zepeng, Zia ur Rehman , Ting Xiandeng, Zhou zi chao, Yang LiGuo. 2018, Effect of season and breed on physiological and blood parameters in buffaloes. J Dairy Res 85(02): 181-184 DOI: 10.1017/S0022029918000286	1.17
13.	2018	Farman Ullah, Dinesh Bhattarai, Zhangrui Cheng, Xianwei Liang, Tingxian Deng, Zia Ur Rehman , Hira Sajjad Talpur, Tesfaye Worku, .. and Shujun Zhang 2018, Comparative Analysis of V-Akt Murine Thymoma Viral Oncogene Homolog 3 (AKT3) Gene between Cow and Buffalo Reveals Substantial Differences for Mastitis: BioMed Research International, Volume 2018, 13 pages https://doi.org/10.1155/2018/1463732	2.6
14.	2018	Talpur HS, Chandio IB, Brohi RD, Worku T, Rehman Z, Bhattarai D, Ullah F, JiaJia L, Yang L. 2018. Research progress on the role of melatonin and its receptors in animal reproduction: A comprehensive review, 2018. DOI=10.1111/rda.1318	1.3
15.	2018	Dinesh Bhattarai, Tesfaye Worku, Rahim Dad, Zia Ur Rehman , Xiaoling Gong, Shujun Zhang. Mechanism of pattern recognition receptors (PRRs) and host pathogen interplay in bovine mastitis. Microbial Pathogenesis, 2018. DOI 10.1016/j.micpath.2018.04.010	2.4
16.	2018	Tesfaye Worku, Kai Wang, Duncan Ayers, Di Wu, Zia Ur Rehman , Hao Zhou, and LiguO Yang. Regulatory roles of ephrinA5 and its novel signaling pathway in mouse primary granulosa cell apoptosis and proliferation, Cell Cycle, https://doi.org/10.1080/15384101.2018.1456297	3.53
17.	2018	Khan SB, Zou G, Xiao R, Cheng Y, Rehman ZU , Ali S, Memon AM, Fahad S, Ahmad I, Zhou R. Prevalence, quantification and isolation of pathogenic shiga toxin Escherichia coli O157:H7 along the production and supply chain of pork around Hubei Province of China. Microb Pathog. 2018, 115:93-99. doi: 10.1016/j.micpath.2017.12.019. Epub 2017 Dec 19. PMID: 29273508.	2.1
18.	2017	Worku T, Bhattarai D, Ayers D, Wang K, Wang C, Rehman ZU , Talpur HS, Yang L. Long Non-Coding RNAs: the New Horizon of Gene Regulation in Ovarian Cancer. Cell Physiol Biochem. 2017;44(3):948-966. doi: 10.1159/000485395. Epub 2017 Nov 27. PMID: 29179183.	5.3
19.	2017	J. Li, Z. Li, S. Liu, R. Zia , A. Liang, L. Yang 2017. Transcriptome studies of granulosa cells at different stages of ovarian follicular development in buffalo, Animal Reproduction Science 187 (2017) 181–192. http://dx.doi.org/10.1016/j.anireprosci.2017.11.004	1.605
20.	2017	Hira Sajjad Talpur, Tesfaye Worku, Zia ur Rehman , Rahim Dad, Dinesh Bhattarai, Iqra Bano, Farmanullah, Aixin Liang, Changjiu He, LiguO Yang.	1.5

		Knockdown of melatonin receptor 1 and induction of follicle-stimulating hormone on the regulation of mouse granulosa cell function, <i>Reproductive Biology</i> , 2017 https://doi.org/10.1016/j.repbio.2017.10.005	
21.	2017	Rahim Dad Brohi, Li Wang, Hira Sajjad Talpur, Di Wu, Farhan Anwar Khan, Dinesh Bhattarai, Zia-Ur Rehman , F. Farmanullah and Li-Jun Huo 2017. Toxicity of Nanoparticles on the Reproductive System in Animal Models: A Review <i>Front. Pharmacol.</i> 8:606.doi: 10.3389/fphar.2017.00606	4.4
22.	2017	Rahim Dad Brohi, Li Wang, Najla Ben Hassine, Jing Cao, Hira Sajjad Talpur, Di Wu, Chun-Jie Huang, Zia-Ur Rehman , Dinesh Bhattarai, and Li- Jun Huo. 2017. Expression, Localization of SUMO-1, and Analyses of Potential SUMOylated Proteins in <i>Bubalus bubalis</i> Spermatozoa. <i>Frontiers in Physiology</i> doi: 10.3389/fphys.2017.00354	4.031
23.	2017	Tesfaye Worku, Zia Ur Rehman , Hira Sajjad Talpur, Dinesh Bhattarai, Farman Ullah, Ngabu Malobi, Tesfaye Kebede and Ligu Yang. MicroRNAs: New Insight in Modulating Follicular Atresia: A Review. <i>Int. J. Mol. Sci.</i> 2017, 18, 333; doi:10.3390/ijms18020333	3.3
24.	2017	Bhattarai D, Chen X, Ur Rehman Z , Hao X, Ullah F, Dad R, Talpur HS, Kadariya I, Cui L, Fan M, Zhang S. Association of MAP4K4 gene single nucleotide polymorphism with mastitis and milk traits in Chinese Holstein cattle. <i>J Dairy Res.</i> 2017 Feb;84(1):76-79. doi: 10.1017/S0022029916000832. PMID: 28252361.	1.5
25.	2016	Hira Sajjad Talpur, Iqra Shafi, Rahim Dad, Dinesh Bhattarai, Zia-ur-Rehman , FarmanUllah, and Amir AmanUllah. Effects of supplementation of ferrous sulphate (iron) n the growth of hubbard broiler chicks, <i>Sci.Int.(Lahore)</i> ,28(5),4687-4692,2016	
26.	2016	Q Liu, ZU Rehman, JJ Liu, L Han, XR Liu, LG Yang. Nasal immunization with inhibin DNA vaccine delivered by attenuated <i>Salmonella choleraesuis</i> for improving ovarian responses and fertility in cross-bred buffaloes, <i>Reproduction in Domestic Animal</i> DOI: 10.1111/rda.12876	1.2
27.	2016	Khan, S. A., Liu, X., Li, H., Zhu, Y., Fan, W., Zhou, P. & Rehman, Z. U. 1H NMR-based serum metabolic profiling of <i>Carassius auratus gibelio</i> under the toxicity of Pb ²⁺ and Cd ²⁺ . <i>International Journal of Environmental Science and Technology</i> , 1-12.	2.34
28.	2016	Qing Liu, Li Han, Zia Ur Rehman , Xingang Dan, Xiaoran Liu, Dinesh Bhattarai, Ligu Yang. The efficacy of an inhibin DNA vaccine delivered by attenuated <i>Salmonella choleraesuis</i> on follicular development and ovulation responses in crossbred buffaloes, <i>Animal Reproduction Science</i> , Volume 172, September 2016, Pages 76-82	1.4
29.	2016	Xiao, K., Zhou, Y., Yuan, H. R., Cui, L., Rehman, Z. U. , Ansari, A. R., Yang, Z., Peng, K. M. & Song, H. The regulation mechanism of apoptosis by visfatin in the mesenteric lymph nodes of LPS-treated rats. <i>Histol Histopathol</i> , 11731.	2.4
30.	2016	Nuruliarizki Shinta P anduspitasari, Faheem Ahmed Khan, Muhammad Sameeullah, Zia Ur Rehman , Sudjatmogo, Anis Muktiani, Jianming Yi. Effects of diludine on the production, oxidative status, and biochemical parameters in transition cows. <i>Journal of Environmental and Agricultural Sciences</i> 6:3-9 (ISSN: 2313-8629)	
31.	2015	Khan, S. A., Zhou, P., Liu, X., Li, H., Li, J., Rehman, Z. U. & Ahmad, I	1.39

		Response of vitamins A, E, hematological and serum biochemical markers in Crucian carp (<i>Carassius auratus gibelio</i>) exposed to environmental Pb(2+) and Cd(2.). <i>Acta Biochim Pol</i> , 62, 581-7.	
32.	2015	Kadariya I, Wang J, ur Rehman Z , Ali H, Riaz H, He J, Bhattarai D, Liu JJ, Zhang SJ. RNAi-mediated knockdown of inhibin α subunit increased apoptosis in granulosa cells and decreased fertility in mice. <i>J Steroid Biochem Mol Biol</i> . 2015 Aug;152:161-70. doi: 10.1016/j.jsbmb.2015.05.006. Epub 2015, PMID: 25998417.	4.09
33.	2015	Ke Xiao, Abdur Rahman Ansari, Zia ur Rehman , Haseeb Khaliq, Hui Song, Juan Tang, Jing Wang, Wei Wang, Peng-Peng Sun, Juming Zhong, and Ke-Mei Peng. "Effect of boric acid supplementation of ostrich water on the expression of Foxn1 in thymus" <i>Histol Histopathol cellular and molecular biology</i> .	2.24
34.	2014	Ke Xiao & We i- Hu a Zo u & Zhi Yang & Zia ur Rehman & Abdur Rahman Ansari & Huai-Rui Yuan & Ying Zhou & Lu Cui & Ke-Mei Peng & Hui Song "The role of vasfatin on the regulation of inflammation and apoptosis in the spleen of LPS-treated rats" <i>Cell tissue research</i> . DOI 10.1007/s00441-014-1997-3	3.33
35.	2013	Khan, S. B., U. Sadique, F. A. Khan, I. Ahmad, Z. U. Rehman , M. A. Khan, M. Idrees1 and Z. Shah "Factors affecting efficacy and immunological response of pestedes petits ruminants (ppr) vaccines in small ruminants" <i>The Journal of Animal and Plant Sciences</i> , 23(1 Suppl.):, Page: 43-46 ISSN: 1018-7081	0.549
36.	2013	Ahmad, I., T. A. Qureshi, U. Sadique, S. A. Khan, S. Ahmed, Z. U. Rehman , S. Bahadar and M. Mushtaq "Hematological effects of diclofenac sodium in goat" <i>The Journal of Animal and Plant Sciences</i> , 23(1 Suppl.): 2013, <i>Anim Plant Sci</i> , 23(Sup 1): 2013 ISSN: 1018-7081	0.549
37.	2013	Shah, Z., A. B. Kalhore1, A. B. Kachiwall1, I. Ahmad, H. Sattar, M. A. Khan, Z. U. Rehman , F. A. Khan, T. Hussain, H. A. Ullah "Comparative studies on sedative and analgesic effects of xylazine and detomidine in goats" <i>The Journal of Animal and Plant Sciences</i> , 23(1 Suppl.), Page: 39-42 ISSN: 1018-7081	0.549
38.	2012	Zia ur Rehman , M. Uris Samo, Tofique Ahmad Qureshi, S Khan, MS Qureshi, Abdur raziq.2011. "Studies on the freezability of Kundhi buffalo bull semen" <i>J. Anim. Plant Sci</i> : 22(Sup2)18-23 issue,1018-7081	0.638
39.	2012	Qismatullah Khan, Zia-Ur-Rehman , Muhammad Uris Samo, Abdur-Raziq, Ijaz Ahmad, Farhan Anwar Khan, Muhammad Yunis, Faheem Hussain Samo, and Din Muhammad "The effect of PG 2 α analogue with or without gnrrh on fertility rate of anestrus kundhi buffalo", <i>J Anim Plant Sci</i> , 22(Sup 2): page51-54, issue 1018-7081	0.638
40.	2012	Asmatullah Kaka, M Uris Samo, T. H. Rahoo, Zia ur Rehman , Zahir shah, M. Mushtaq, Ubedullah Kaka and Athiq A. Behan. "Study on post thawing quality of Kundhi buffalo semen" <i>J Anim Plant Sci</i> , 22(Sup 2):page 59-62, issue,1018-7081	0.638
41.	2009	Altaf-ur-rehman, Sohail ahmed, Daulat khan, Munib Hussain, Ijaz ahmad,	HEC

		Zahir shah, Syed muhammad sohail, Ikrasm ul haq, Abdul hafeez and Zia ur rehman . Nutritional importance of exogenous enzymes in broiler ration at finisher phase. Sarhad j. Agri. vol.25, No 3.	
42.	2008	Abdur raziq, Zia ur Rehman , Sher Bahadar, Jehangir Ali, Imtiaz Ali shah, "Oocyte recovery and gradation from buffaloes slaughter in Peshawar slaughter" Life Sciences Journal International 533-336 Vol 01.	
43.	2010	Zahid ur Rehman, Din Muhammad, Fida Muhammad, Zia ur Rehman , Farhan Anwar Khan, Khisrao Kaleem, Rizwan Muhammad "Immunoillogical and growth promoting actives of Milk Thistle (<i>silybum marianum</i>) in broiler" Life. Sci. int vol.4 issue 2, 1530-1537	
44.	2015	T. H. Rahoo, H. K. Kumbher, Z. Qureshi , A. Kaka and D. H. Kalhoro, "Post-thaw evaluation of kundhi buffalo bull semen" Int. J. Biol. Biotech., 8:189-19, 2011	

Book Chapter	
Authors and Title	Book name / web link
Zahid Naseer, Mudussar Nawaz, Ejaz Ahmad and Zia ur Rehman Title: Oxidative Stress and Male Fertility: Promising Role of Nutraceuticals	Recent Advances in Reactive Oxygen Species https://www.intechopen.com/online-first/87630

Invited Talk/Speaker/Symposia			
1	2023	Resource person for Bovine Reproductive Ultrasonography workshop in Abdul-Wali Khan University Mardan	Pakistan
2	2021	Application of PCR in Animals Diseases Diagnosis Organized Pathology Lab. College of Veterinary Sciences, UAP	Pakistan
3	2021	Infertility problems in domestic animals in KPK organized by Dairy Science Park	Pakistan
4	2022	Radio Talk speaker at Beuro of Agriculture information	Pakistan
5	2022	Radio Talk speaker at UAP, FM	Pakistan

M. Phil Supervised and ongoing				
S. No.	Year	Thesis Title	Name	Reg. No.
5	2023-25	Comparative study of synchrony Protocols and blood profile in Holstein Friesian cows in summer season	Tariq Aziz	17
6	2018-19	Effect of Glycine along with Vitamin E Supplementation on Cryopreserved Achai Bulls Semen.	M. Sohail Nazif	2013-Agr-U-29598
7	2019-21	Comparative Study of MAP Impregnated Sponge and PGF2 α Protocols for Estrus Synchronization in Goats (<i>capra hircus</i>) in Non-breeding Season.	Ali Husnain	2019-Ag-U-43023

M. Phil Supervised (Member)				
1	2020-21	Effect of camel milk addition on shelf life of the diary cow's milk in tropical conditions	Aman Muslim	2015-Agri-U-32886
2	2018-20	Expression Analysis of Cyclin D2 and Cyclin E1 Gene in Different Stages of Bovine Corpus Luteum	Samiullah	
3	2019-20	Effect of Wild Olive Tree Lives on Milk Yield and Composition of Beetal Goats in Dist. Swat	Ijazul Haq	2013-Agri-U-29587
4	2020-21	Enrichment of Cow Milk with Iron and its Effects on Sensory Attributes and Self Life of Milk.	Seema Jani	2015-Agr-U-32933 (312)
5	2019-21	Polymorphism in SMAD1 (Mother against Cecapentaplegic Homolog 1) gene and its Association with Reproductive Traits in Local Sheep Breeders	Palwasha Younis	

GRANTS, IMPACT/APPRECIATION, AWARDS BY SCIENTIFIC COMMUNITY

S. No	Year	Description	Country
1	2017	Certificate of appreciation and cash prize from Key Lab. in China (2017).	Key Lab of Animal Breeding, Genetics and Reproduction, HZAU, Wuhan, PR China
2	2012	Won scholarship for PhD studies from Chinese scholarship council.	Chinese Scholarship Council
3	2007	1 st position in MSc Animal Reproduction at the Department of Animal Reproduction Sindh Agriculture University, Tandojam, Pakistan.	SAU Tandojam
4	2006	Won Scholarship from Qaid-e-Azam Aligarh Scholarship.	Qaid-e-Azam Trust
5	1999-2004	Scholarship holder and merit winner throughout DVM degree program.	KP government

Project submitted/Approved

1	2019	Estrus Synchronization and Fixed Time Artificial Insemination during Seasonal and Non-Seasonal Anestrus Azikheli Buffalo	Endowment Fund, UAP
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2	2019	Fertility determination of Achai and Jersey bull semen after artificial insemination using Benzioxozeniods as extender in cryopreserved semen	PSF
3	2019	Fertility determination of Azakhali buffalo by using CIDR and intravaginal sponges during breeding and nonbreeding season	PSF
4	2019	Enhancement of field fertility by using Pterostilbene as extender in Azikheli buffalo semen in a timed-AI program	ALP, NARC
5	2021	Effect of Astaxanthin and dl-Aspartic acid on the semen quality parameters and fertilization competence in in-vitro and in-vivo in indigenous buffalo.	13 million NRPU, HEC
6	2021	Fertility determination of local Achai cattle semen using Crocin and Salvianolic acid as extender in cryopreserved semen. (Ongoing..)	2.79 million Funded by PSF
7	2023	Effect of Lycopene-Loaded Nanolyposome on the Post-thaw Motility of Saanen Buck (Approved)	7.5 Million ALP

Reviewer of the Scientific Journals (till date)		
S. No	Journal Name	IF
1	Frontiers in Immunology	7.7
2	Oxidative Stress and Longevity	7.3
3	Animal Genetics journal	2.84
4	Pakistan journal of Zoology	0.082
5	Frontiers in Veterinary Sciences	3.5
6	Pure and Applied Biology (PAB)	
7	Reproduction in Domestic Animals	1.9

COMMUNITY SERVICES, PROFESSIONAL MEMBERSHIPS, ADMINISTRATIVE AND ADVISORY SERVICES

1. Member, **Board of PhD Comprehensive Examination**, FAHVS, UAP
2. Member, **Departmental Board of Studies (CVS)**, FAHVS, UAP (2022- to date)
3. **External Examiner**, Department of Zoology, Kohat University of Science and Technology, KP

4. **External Examiner**, Faculty of Chemical & Life Sciences, Department of Zoology Abdul Wali Khan University Mardan, KP
5. **External Examiner** of selection board for Gomal University DI Khan, KP
6. **Gynaecologist-Obstetrician and Infertility specialist**, 24/7 Clinical Extension Service University Dairy Farm/Hospital, FAHVS.

AFFILIATION WITH PROFESSIONAL SOCIETIES:

1. **Founder of the Society for Theriogenology and Reproductive Medicine (SFTRM) <https://sftrm.org/>**
2. Registered Member, Pakistan Veterinary Medical Council (PVMC/RVMF)
3. Member of Society for Animal Reproduction of Pakistan (SARP)
4. Higher Education Commission of Pakistan (HEC) **Approved PhD Supervisor** (2018- to date)
5. Member of The Pakistan Biological Safety Association (PBSA)

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