

Dr. Zia ur Rehman

List of Publications

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	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.	3.4
3	2022	Tarique H., Ghulam M., Dildar H. K., Muhammad S. K., Yulong Y., Muhammad I. C., Bie Tan, Anjaleena Y., Zia Ur Rehman , "Understanding the Immune System in Fetal Protection and Maternal Infections during Pregnancy", <i>Journal of Immunology Research</i> , vol. 2022, Article ID 7567708, 12 pages, 2022. https://doi.org/10.1155/2022/7567708	4.81
4	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 Saq, <i>Molecular, Pakistan J. Zool.</i> , pp 1-8, 2022. 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
5	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.	
6	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
7	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 Ligu 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
8	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>	5.57

		https://doi.org/10.1016/j.phrs.2020.104629	
9	2019	Zia Ur Rehman ZU , Qing Liu Q, Dinesh Bhattarai D, Liang A, Ullah F, Dad R, Khan SB, Talpur HS, Khan SA, Ligu Yang L: 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.22413	0.5
10	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 (Ctenopharyngodon idella). Kafkas Univ Vet Fak Derg. DOI: 10.9775/kvfd.2019.21988	0.5
11	2019	Ahmadipour B, Kalantar M, Hosseini SM, Rehman ZU , Farmanullah F, Kalantar MH, Yang L: Hawthorn (Crataegus oxyacantha) flavonoid extract as an effective medicinal plant derivative to prevent pulmonary hypertension and heart failure in broiler chickens. Kafkas Univ Vet Fak Derg, 25 (3): 321-328,. DOI: 10.9775/kvfd.2018.20930	0.5
12	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
13	2018	Liu Shenhe, Li Jun, Li zepeng, Zia ur Rehman , Ting Xiandeng, Zhou zi chao, Yang li guo et. al., 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
14	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
15	2018	Zia ur Rehman , Khan FA, Farmanullah, Talpur HS, Liu Q, Liu S, Yang L. 2018, Oncotarget, Transcriptome Profiling of Anti-müllerian Hormone Treated Preantral/Small Antral Mouse Ovary Follicles.	5.1
16	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
17	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
18	2018	Tesfaye Worku, Kai Wang, Duncan Ayers, Di Wu, Zia Ur Rehman , Hao Zhou, and Ligu 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
19	2017	Sher Bahadar Khan , Geng Zou , Ran Xiao , Yuting Cheng, Zia Ur Rehman ,	2.01

		Sher Ali , Atta Muhammad Memon , Shah Fahad , Irshad Ahmad , Rui Zhou. 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. <i>Microbial Pathogenesis</i> 2017, Volume 115, February 2018, Pages 93–99	
20	2017	Tesfaye Worku, Dinesh Bhattarai, Duncan Ayers, Kai Wang, Chen Wang, Zia ur Rehman , Hira sajjad Talpur, Ligu Yang, 2017. Long Non-Coding RNAs: the New Horizon of Gene Regulation in Ovarian Cancer, <i>Cell Physiol Biochem</i> 2017; 44: 948-966. DOI 10.1159/000485395	5.3
21	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, <i>Animal Reproduction Science</i> 187 (2017) 181–192. http://dx.doi.org/10.1016/j.anireprosci.2017.11.004	1.605
23	2017	Hira Sajjad Talpur, Tesfaye Worku, Zia ur Rehman , Rahim Dad, Dinesh Bhattarai, Iqra Bano, Farmanullah, Aixin Liang, Changjiu He, Ligu Yang. 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	1.5
24	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 2017. <i>J Steroid Biochem Mol Biol.</i> 2017 Nov;174:133-140. Doi: 10.1016/j.jsbmb.2017.08.011.	4.56
25	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
26	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 Bubalus bubalis Spermatozoa. <i>Frontiers in Physiology</i> doi: 10.3389/fphys.2017.00354	4.031
27	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
28	2017	Dinesh Bhattarai, Xing Chen, Zia ur Rehman , Xingjie Hao, Farman Ullah, Rahim Dad, Hira Sajjad Talpur, Ishwari Kadariya, Lu Cui, Mingxia Fan and Shujun Zhang. Association of MAP4K4 gene single nucleotide polymorphism with mastitis and milk traits in Chinese Holstein cattle, <i>Journal of Dairy Research</i> (2017) 84 76–79. doi:10.1017/S0022029916000832	1.5
29	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	
30	2016	Q Liu, ZU Rehman , JJ Liu, L Han, XR Liu, LG Yang. Nasal immunization	1.2

		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	
31	2016	KHAN, S. A., LIU, X., LI, H., ZHU, Y., FAN, W., ZHOU, P. & REHMAN, Z. U. ¹ H 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
32	2016	Qing Liu, Li Han, Zia Ur Rehman , Xingang Dan, Xiaoran Liu, Dinesh Bhattarai, Liguang 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
33	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
34	2016	Nuruliarizki Shinta P andupuspitasari, 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)	
35	2015	KHAN, S. A., ZHOU, P., LIU, X., LI, H., LI, J., REHMAN, Z. U. & AHMAD, I. 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.	1.39
36	2015	KADARIYA, I., WANG, J., REHMAN, Z. U. , ALI, H., RIAZ, H., HE, J., BHATTARAI, D., LIU, J. J. & ZHANG, S. J. RNAi-mediated knockdown of inhibin alpha subunit increased apoptosis in granulosa cells and decreased fertility in mice. <i>J Steroid Biochem Mol Biol</i> . doi: 10.1016/j.jsbmb.2015.05.006. Epub 2015 May 18.	4.09
37	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
38	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
39	2013	Khan, S. B., U. Sadique, F. A. Khan, I. Ahmad, Z. U. Rehman , M. A. Khan, M. Idrees ¹ 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

40	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” The Journal of Animal and Plant Sciences, 23(1 Suppl.): 2013, <i>Anim Plant Sci</i> , 23(Sup 1): 2013 ISSN: 1018-7081	0.549
41	2013	Shah, Z., A. B. Kalhore ¹ , A. B. Kachiwal ¹ , 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” The Journal of Animal and Plant Sciences, 23(1 Suppl.), Page: 39-42 ISSN: 1018-7081	0.549
42	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
43	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 gnRH on fertility rate of anestrus kundhi buffalo”, <i>J Anim Plant Sci</i> , 22(Sup 2): page 51-54, issue, 1018-7081	0.638
44	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
45	2009	Altaf-ur-rehman, Sohail ahmed, Daulat khan, Munib Hussain, Ijaz ahmad, Zahir shah, Syed muhammad sohail, Ikram ul haq, Abdul hafeez and Zia ur rehman . Nutritional importance of exogenous enzymes in broiler ration at finisher phase. <i>Sarhad j. Agri</i> . vol.25, No 3.	
46	2008	Abdur raziq, Zia ur Rehman , Sher Bahadar, Jehangir Ali, Imtiaz Ali shah, “Oocyte recovery and gradation from buffaloes slaughter in Peshawar slaughter” <i>Life Sciences Journal International</i> 533-336 Vol 01.	
47	2010	Zahid ur Rehman, Din Muhammad, Fida Muhammad, Zia ur Rehman , Farhan Anwar Khan, Khisrao Kaleem, Rizwan Muhammad. “Immunoological and growth promoting actives of Milk Thistle (<i>silybum marianum</i>) in broiler” <i>Life. Sci. int</i> vol.4 issue 2, 1530-1537	
48	2015	T. H. Rahoo, H. K. Kunbher, Z. Qureshi , A. Kaka and D. H. Kalhoro, “Post-thaw evaluation of kundhi buffalo bull semen” <i>Int. J. Biol. Biotech.</i> , 8:189-19, 2011	