

Dr. Saima Qadeer
Curriculum Vitae



PERSONAL DATA:

Name: Saima Qadeer
Father Name: Abdul Qadeer Shah
Status: Married
Date of Birth: 07-09-1985
Place of Birth: Rawalpindi
Citizenship: Pakistani
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EDUCATION:

Degree/ certificate	Institution and City	Group / Specializa tion	Year
SSC	Government Girls High School No:1, Rawalpindi	Science	2002
HSSC	Government Post Graduate College for women, Rawalpindi	Pre- Medical	2004
BS.c	Government Post Graduate College for women, Rawalpindi	Sciences	2006
M.Sc	PMAS- Arid Agriculture University, RWP	Zoology	2008
M.Phil	PMAS- Arid Agriculture University, RWP	Zoology	2010
Ph.D	PMAS- Arid Agriculture University, RWP	Zoology	2016

AWARDS

- Award of Ph.D. Scholarship from higher education commission (HEC) of Pakistan under indigenous 5000 Ph.D. Scholarship Scheme (2012-2016)
- **HEC Approved PhD Supervisor since 2020**

DISSERTATION:

<u>Degree</u>	<u>Title</u>
M.Sc.	Bacterial identification and count of eggs sold at retail at Shamsabad, Rawalpindi (Research Report-2008)
M. Phil.	Effect of different antibiotic combinations in extender on the bacterial counts to improve spermatozoal quality of buffalo bull semen (2010)
Ph.D.	Effect of antifreeze protein(s) on post thaw quality and <i>in vivo</i> fertility rate of cryopreserved Nili-Ravi buffalo bull semen (2016)

EXPERIENCE:

<u>SN</u>	<u>Job Title</u>	<u>Employer</u>	<u>Duration</u>
1.	Research Associate	HEC funded Project (2.7 Million) at Department of Zoology, Pir Mehr Ali Shah Arid Agriculture University Rawalpindi	26, Dec 2008- 30, June 2011
2.	Assistant Professor/IPFP	Department of Biological Sciences, University of Sargodha. Mianwali Campus	21, Dec 2016- Sep 30, 2018
3	Assistant Professor/TTS	Department of Zoology, University of Education Lahore, Jauharabad Campus	Oct 3, 2018- Continue

RESEARCH PROJRCT GRANTS

<u>SN</u>	<u>Funding Agency</u>	<u>Project No.</u>	<u>Title</u>	<u>Project Running at</u>	<u>Amount</u>
1.	International Foundation for Science	No11-B-6549-1 (2021)	Assessment of ram sperm DNA integrity in relation to cryopreservation and <i>in vivo</i> fertility rate	University of Education, Jauharabad Campus	USD 15 000
2.	Higher Education Commission	No:21-1374/SRGP/R&D/HEC/2016 (2017)	Efficiency of L-Carnitine supplementation on cryopreservation of Nili-Ravi Buffalo bull semen	University of Sargodha Sub Campus Mianwali	0.5 Million

COLLABORATION WITH INDUSTRY

<u>SN</u>	<u>As focal Person from</u>	<u>Linkage with Industry</u>	<u>MOU Signing Year</u>
1	Department of Zoology University of Education Lahore	Association of Biorisk Management	Jan, 2020
2	Department of Zoology University of Education Lahore	Punjab Wildlife and Parks Department	Sep, 2021

PUBLICATIONS

1. Iram Khatoon, Surrya Khanum, Asima Azam, **Saima Qadeer**, Shumaila Naz, Najm Hassan. 2023. Incidence Pattern, Antibiotic Susceptibility Pattern and Associated Risk Factors of Bacterial Uropathogens Among General Population of Pakistan. Infection and Drug Resistance 2023:16 1–11.(I.F.: 3.9; HJRS-W)
2. Azam, R. Ejaz, **S. Qadeer**, S. Irum, A. Ul-Husna, S. Ullah, Q. Shahzad, T. Akhtar and S. Akhter. Synergistic impact of α -linolenic acid and α -tocopherol on in vitro maturation and culture of buffalo oocytes. Brazilian Journal of Biology, 2024, vol. 84, e253514. <https://pubmed.ncbi.nlm.nih.gov/34932678/> (I.F.: 0.41; HJRS-X)
3. Shaista Bibi, Rabea Ejaz, **Saima Qadeer**, Bushra Allah Rakha, Shamim Akhter. 2023. Evaluation of carboxylated poly l-lysine for cryopreservation of Labeo rohita sperm. Reproduction in domestic animal, 00:1-7. <https://pubmed.ncbi.nlm.nih.gov/37191551/> (I.F.: 1.7; HJRS-W)
4. Rabea Ejaz, Muhammad Talal Ashraf, **Saima Qadeer**, Muhammad Irfan, Sadia Butt, Shaista Bibi. 2023. Gender-based incidence, recovery period and mortality rate of COVID-19 among population of district Attock, Pakistan. Brazilian Journal of Biology, 2023, vol. 83, e249125. <https://pubmed.ncbi.nlm.nih.gov/34669800/> (I.F.: 0.41; HJRS-X)
5. Bushra A Rakha , Zartasha Zafar , Muhammad S Ansari, Shamim Akhter, **Saima Qadeer**, Ali Akhter, Kainat Waseem, Julian Santiago-Moreno. 2023. Influence of Bacterial Contamination and Antibiotic Sensitivity on Cryopreserved Sperm Quality of Indian Red Jungle Fowl. Biopreserv Biobank. 2023 Jan 18. [doi: 10.1089/bio.2022.0029](https://doi.org/10.1089/bio.2022.0029) (I.F.: 1.6; HJRS-Y)
6. Muhammad Tariq Khan, Abdur Rehman Azam, Asma Ashraf, Tooba Latif, **Saima Qadeer**, Ahmed Muneeb, Sana Ullah, Muhammad Farhan Nasir. 2022. Spatiotemporal distribution of red vented bulbul (Pycononotus cafer) by GIS application in District Mianwali, Punjab, Pakistan. World Journal of Biology and Biotechnology, 7:3, 19. <https://doi.org/10.33865/wjb.007.03.0570> (HEC recognized Y Category)
7. Nuzhat Kamal, Muhammed Sajjad Ansari, Bushra Allah Rakha, Shamim Akhter, Saima Qadeer and Ali Akhter. 2022. Effect of Alanine on Post-Thaw Quality of Sahiwal Bull Spermatozoa. Pakistan J. Zool., pp 1-4. DOI: <https://dx.doi.org/10.17582/journal.pjz/20170216070245> (I.F.: 0.6; HJRS-X)
8. Shahrukh Khan, Bakhtawar, Sheeza Iqbal, Asima Azam, Asma-Ul-Husna, **Saima**

- Qadeer** , Surrya Khanam. 2022. Prevalence and determinants of Asthma in adults in Khyber Pakhtunkhwa, Pakistan. *AJ Life Sci.* 2022, 5 (2): 26-32. <https://ajlifesciences.com/ojs/index.php/ajls/article/view/274> (HEC recognized Y Category)
9. Saleem Akhtar, Riffat Yasin, Khizar Samiullah, Inayat Ullah Malik, Rana Mehroz Fazal, Umar Farooq, Usama Saleem, Rana Waseem Akhtar & **Saima Qadeer**. 2022 Hormonal Sex Inversion by 17 α -Methyl testosterone in common carp (*Cyprinus carpio*) through egg Immersion Technique (IT). *Journal of Applied Aquaculture*. <https://doi.org/10.1080/10454438.2022.2131498> (I.F.: 0.34; HJRS-Y)
 10. Rajbari Rajbari, Asma U Husna, Asima Azam, Rabea Ejaz, Rooma Adalat, Shamim Akhter, Muhammad U Farooq , **S. Qadeer**. 2022. Effects of Thawing Methods (Techniques) on Freeze Thaw Buffalo Bull Sperm Quality In Vitro Supplementation of Glycine Improves Quality of Cryopreserved Bull Semen. *Egypt. J. Vet. Sci.* Vol. 53, No. 4, pp. 591-597. <https://doi.org/10.21608/ejvs.2022.130902.1333> (HEC recognized Y Category)
 11. Khanam, S., A. Azam, R. Ejaz, **S. Qadeer**, AU. Husna, N. Ullah and S. Akhter. 2022. Supplementation of Amino Acids in Serum Free IVM-Media and its Effect on In Vitro Maturation and Fertilization of Buffalo Oocytes. *Egypt. J. Vet. Sci.* Vol. 53, No. 2, pp. 241-248. <https://doi.org/10.21608/ejvs.2022.92571.1272> (HEC recognized Y Category)
 12. Husna A U, A. Azam, **S. Qadeer**, R. Ejaz, S. Akhter. 2022. Pregnancy and calving rates improved using modified swim-up method for buffalo semen sexing. *Reprod Dom Anim.* 2022;00:1–4. <https://doi.org/10.1111/rda.14112> (I.F.: 1.7; HJRS-W)
 13. Qadeer, S., R. Ejaz, AU Husna, A Azam, M. A. Khan. 2022. Breeding Potential of Pakistan’s National Bird Chukar Partridge: Captivity vs Natural Habitat. *RADS J. Biol. Res. Appl. Sci.*, 13 (1): 70-75. <https://jbas.juw.edu.pk/index.php/JBAS/article/view/439/222> (HEC recognized Y Category)
 14. Shaista Bibi, Rabea Ejaz, **Saima Qadeer**, Muhammad Sajjad Ansari, Bushra Allah Rakha, Shamim Akhter. 2022. *In vitro* supplementation of glycine improves quality of cryopreserved bull semen. *AJ Life Sci.* 2022, 5 (1): 147-152. <https://ajlifesciences.com/ojs/index.php/ajls/article/view/270> (HEC recognized Y Category)
 15. **Saima Qadeer**, S Ullah, R. Ejaz, AU Husna, A. Azam. 2021. L-carnitine as an antioxidant improves cytoprotection of Nili-Ravi buffalo sperm during cryopreservation. *AJ Life Sci.* 2021, 4 (1): 80-85. <https://doi.org/10.34091/AJLS.3.4.10> (HEC recognized Y Category)
 16. R. Ejaz, **S. Qadeer**, M.S. Ansari, B.A. Rakha, S. Shamas, A. Azam, I. Maqsood, A.U. Husna, S. Akhter. 2020. *In vitro* Supplementation of Linoleic Acid Improves Quality of Cryopreserved Buffalo Semen. *Indian Journal of Animal Research*. <https://arccjournals.com/journal/indian-journal-of-animal-research/B-1182> (I.F.: 0.5; JCR-W)

17. Rabea Ejaz, **Saima Qadeer**, Muhammad Sajjad Ansari, Bushra Allah Rakha, Shazia Shamas, Iram Maqsood, Asma Ul Husna, Asima Azam and Shamim Akhter. 2020. Fertility of Cryopreserved Buffalo Semen Can be Improved by Supplementation of Arachidic Acid in Extender. Pakistan J. Zool., pp 1-8. <http://researcherslinks.com/current-issues/Fertility-of-Cryopreserved-Buffalo-Semen-Extender/20/1/3462> (I.F.: 0.6; JCR-W)
18. Razia Ishaq, Muhammad S. Ansari, Bushra A. Rakha, Saima Qadeer, and Shamim Akhter. 2019 Evaluation of Enrofloxacin for Use in Cryopreservation of Zebu Bull (*Bos indicus*) Semen. Biopreservation and Biobanking, 17(6):546-552. <https://pubmed.ncbi.nlm.nih.gov/31219306/> (I.F.: 1.6; JCR-W)
19. **S. Qadeer**, M.A. Khan, M.S. Ansari, B.A Rakha, R. Ejaz, A.U Husna, A. Azam, S. Akhter. 2019. A novel recombinant eel pout (*Macrozoarces americans*) type III antifreeze protein improve cryosurvival of buffalo sperm. Cryoletter, 40(60): 347-351. <https://pubmed.ncbi.nlm.nih.gov/33966061/> (I.F.: 1.0; JCR-W)
20. Azam, A., A. Husna, **S. Qadeer**, Q. Shahzad, R. Ejaz, N. Ullah, T. Akhtar and S. Akhter. 2019. Synthetic Oviductal Fluid Medium with Isologous Oviductal Epithelial Cells Improves the Development of *In Vitro* Produced Nili Ravi Buffalo (*Bubalus bubalis*) Embryos. Pakistan J. Zool., vol. 51(6), 2007-2014, 2019. DOI: <http://dx.doi.org/10.17582/journal.pjz/2019.51.6.2007.2014> (I.F.: 0.6; JCR-W)
21. M. A. Awan, S. Akhter, A. U. Husna, M. S. Ansari, B. A. Rakha, A. Azam, **S. Qadeer**. 2018. Efficiency of *Nigella sativa* Seeds Aqueous Extract for Cryopreservation of Nili Ravi Buffalo Bull Spermatozoa. Andrologia. 2018;e13020. <https://doi.org/10.1111/and.13020> (I.F.: 2.4; JCR-W)
22. **Qadeer, S.**, M.A. Khan, M.S. Ansari, B.A. Rakha, R. Ejaz, A. U. Hussna, A. Azam, N. Ullah, V. K. Walker and S. Akhter. 2017. Cryopreservation of Nili-Ravi Buffalo Bull Sperm Amended With *Lolium Perenne* Protein Preparations. Cryoletters, 38(1): 43-50. <https://pubmed.ncbi.nlm.nih.gov/28376139/> (I.F.: 1.0; JCR-W)
23. Azam, Q. Shahzad, A. Husna, **S. Qadeer**, R. Ijaz, A. A. Fouladi-Nashta, M. Khalid, N. Ullah, T. Akhtar and S. Akhter. 2017. Supplementing α -Linolenic acid in the *in vitro* maturation media improves nuclear maturation rate of oocytes and early embryonic development in the Nili Ravi buffalo. Animal Reproduction, 14: 1161-1169. <http://dx.doi.org/10.21451/1984-3143-AR859> (I.F.: 1.7; JCR-W)
24. Husna, A.U., A. Azam, **S. Qadeer**, S. Nasreen, M.A. Awan, Q. Shahzad, Fouladi-Nashta A, M. Khalid, S. Akhter. 2017. Sperm preparation through Sephadex™ filtration improves in vitro fertilization rate of buffalo oocytes. Reprod Dom Anim.;00:1-8. <https://doi.org/10.1111/rda.13117>. (I.F.: 1.7; JCR-W)
25. Ejaz, R.; M. S. Ansari; B. A. Rakha; A. U. Husna; **S. Qadeer**; A. Azam, S. Akhter. 2017. Evaluation of α -linolenic acid for freezability and fertility of Nili Ravi (*Bubalus bubalis*) buffalo semen. Theriogenology, 104: 1-6. <https://doi.org/10.1016/j.theriogenology.2017.07.019> (I.F.: 2.8; JCR-W)
26. Ali, S., S. Akhter, H. Neubauer, A. Scherag, M. Kesselmeier, F. Melzer, I. Khan, H. El-Adawy, A. Azam, **S. Qadeer**, Q. Ali. 2016. Brucellosis in pregnant women from

- Pakistan: an observational study. BMC Infectious Diseases. 16: 468. <https://bmcinfectdis.biomedcentral.com/articles/10.1186/s12879-016-1799-1> (I.F.: 3.7; JCR-W)
27. Husna A. U., R. Ejaz, **S. Qadeer**, A. Azam, B. A Rakha, M. S Ansari, Q. Shahzad, M. Javed, M H Vazquez-Levin and S. Akhter. 2016. A comparative analysis of sperm selection procedures prior to cryopreservation on nili ravi buffalo bull (*bubalus bubalis*) semen: assessment of its impact on post-thaw sperm functional quality. Animal reproduction Science. 174: 29-36. <https://doi.org/10.1016/j.anireprosci.2016.08.015> (I.F.: 2.2; JCR-W)
 28. Ejaz, R., M.S. Ansari, B.A. Rakha, A.U. Husna, **S. Qadeer**, R. Iqbal, N. Ullah and S. Akhter. 2016. Cholesterol supplementation in extender improves quality of frozen-thawed nili-ravi buffalo bull semen. Buffalo Bulletin 35: 259-267. https://www.researchgate.net/publication/305410443_Cholesterol_supplementation_in_extender_improves_quality_of_frozen-thawed_Nili-Ravi_buffalo_bull_semen (I.F.: 0.2; JCR-W)
 29. **Qadeer, S.**, M. A. Khan, M. S. Ansari, B. A. Rakha, Q. Shahzad, R. Ejaz, A. U. Husna, A. Azam, J. G. Duman and S. Akhter. 2016. Efficiency of beetle (*Dendroides canadensis*) recombinant antifreeze protein for buffalo semen freezability and fertility. Theriogenology, 86: 1662-1669. <https://doi.org/10.1016/j.theriogenology.2016.05.028> (I.F.: 2.8; JCR-W)
 30. Qaisar S., M U Mehmood, H Khan, A U Husna, **S. Qadeer**, A. Azam, Z Naseer, E. Ahmad, M Safdar, M Ahmad. 2016. Royal jelly supplementation in semen extender enhances post-thaw quality and fertility of Nili-Ravi buffalo bull sperm. Animal Reproduction Science 167: 83–88. <https://doi.org/10.1016/j.anireprosci.2016.02.010> (I.F.: 2.2; JCR-W)
 31. Akhter, S., **S. Qadeer**, M.A. Khan, M.S. Ansari, B.A. Rakha. 2016. Cryopreservation of Nili-Ravim(*Bubalus bubalis*) buffalo bull sperm: The role of antifreeze glycoproteins (AFGPs). Proceeding of the 15th Chulalongkorn University Veterinary Conference CUVC 2016: Research in Practice. The Thai J. Vet. Med. 2016, 46: 91-94. (I.F.: 0.4; JCR-W)
 32. **Qadeer, S.**, M.A. Khan, M.S. Ansari, B.A. Rakha, R. Ejaz, R. Iqbal, M. Younis, N. Ullah, Arthur L. DeVries, S. Akhter. 2015 Efficiency of antifreeze glycoproteins for cryopreservation of Nili-Ravi (*Bubalus bubalis*) buffalo bull sperm. Animal Reproduction Science 157: 56-62. <https://doi.org/10.1016/j.anireprosci.2015.03.015> (I.F.: 2.2; JCR-W)
 33. **Qadeer, S.**, M.A. Khan, M.S. Ansari, B.A. Rakha, R. Ejaz, A. U. Hussna, M. Ashiq, R. Iqbal, N. Ullah, S. Akhter. 2014. Evaluation of antifreeze protein III for cryopreservation of Nili-Ravi (*Bubalus bubalis*) buffalo bull sperm. Animal Reproduction Science, 148: 26-3. <https://doi.org/10.1016/j.anireprosci.2014.04.013> (I.F.: 2.2; JCR-W)
 34. Akhter, S., M. S. Ansari, B. A. Rakha, S. M. H. Andrabi, **S. Qadeer**, R. Iqbal, N. Ullah, 2013. Efficiency of ciprofloxacin for bacterial control, post-thaw quality, and in vivo

- fertility of buffalo spermatozoa. *Theriogenology*, 80: 378–383. <https://doi.org/10.1016/j.theriogenology.2013.05.001> (I.F.: 2.8; JCR-W)
35. **Qadeer, S.**, A. Batool, K. Mehboob, M. S. Ansari, B. A. Rakha, S. M. H. Andrabi, N., Ullah, R. Iqbal, S. Akhter. 2013. Comparison of traditional antibiotic streptomycin with neomycin, polymyxin B or Colistin in extender for buffalo (*Bubalus bubalis*) bull spermatozoa. *Journal of Applied Animal Research*, 41: 289-293. <https://doi.org/10.1080/09712119.2013.782866> (I.F.: 1.4; JCR-W)
36. Batool, A., K. Mehboob, **S. Qadeer**, M. S. Ansari, B. A. Rakha, N. Ullah, S. M. H. Andrabi, S. Akhter. 2012. Effect of α -tocopherol acetate and ascorbic acid in extender on quality of Zebu bull spermatozoa. *Pakistan Journal of Zoology*, 44: 1487-1491. http://www.zsp.com.pk/pdf44/1487-1491%20_4_%20PJZ-660-11%20manuscript.pdf (I.F.: 0.6; JCR-W)

IN PROCEEDINGS (Abstracts):

1. Prevalence of menstrual disorders and their association with physical activity. Farah Deeba, Asima Azam, Rabea Ejaz, **Saima Qadeer**, Asmaul Husna. 1st International Conference on *Recent Trends in Natural Sciences*. (RTNS 2022). June 1st & 2nd, 2022.
2. Role of magnesium in determining anti-mullerian hormone levels among premenopausal females. Rabia Sundas, Asmaul Husna, Rukshanda Saleem, **Saima Qadeer**, Rabea Ejaz, Asima Azam. 1st International Conference on *Recent Trends in Natural Sciences*. (RTNS 2022). June 1st & 2nd, 2022.
3. Salmonella typhi outbreak and hygiene awareness in area of tarujabba district Nowshera. Sara Ali, Asima Azam, Rabea Ejaz, **Saima Qadeer**, Asmaul Husna. 1st International Conference on *Recent Trends in Natural Sciences*. (RTNS 2022). June 1st & 2nd, 2022.
4. Study of toxicological effect of atrazine on hematological parameter of grass carp. Faiza Imtiaz, Asima Azam, Rabea Ejaz, **Saima Qadeer**, Asmaul Husna. 1st International Conference on *Recent Trends in Natural Sciences*. (RTNS 2022). June 1st & 2nd, 2022.
5. Prevalence of *entamoeba histolytica* and *giardia lamblia* in human population of district Malakand. Hira, Asima Azam, Rabea Ejaz, **Saima Qadeer**, Asmaul Husna. 1st International Conference on *Recent Trends in Natural Sciences*. (RTNS 2022). June 1st & 2nd, 2022.
6. Prevalence and causes of hair loss in male and female residents of Peshawar. Sameera Bibi, Asima Azam, Rabea Ejaz, **Saima Qadeer**, Asmaul Husna. 1st International Conference on *Recent Trends in Natural Sciences*. (RTNS 2022). June 1st & 2nd, 2022.
7. Prevalent risk factors for first trimester spontaneous abortion. Shabana Akbar, Asima Azam, Rabea Ejaz, **Saima Qadeer**, Asmaul Husna, Surrya Khanam. 1st International Conference on *Recent Trends in Natural Sciences*. (RTNS 2022). June 1st & 2nd, 2022.
8. Effect of season on quality of cryopreserved Nili Ravi buffalo semen. R. Ejaz, **S. Qadeer**, M. S. Ansari, B. A. Rakha and S. Akhter. 1st International Conference on *Recent Trends in Natural Sciences*. (RTNS 2022). June 1st & 2nd, 2022.
9. Status, habitat association, distribution, threats and conservational management of indian pangolin in district Peshawar. Laiba Wasiq, Asima Azam, Rabea Ejaz, **Saima**

- Qadeer**, Asmaul Husna. 1st International Conference on *Recent Trends in Natural Sciences*. (RTNS 2022). June 1st & 2nd, 2022.
10. Prevalence of menstrual disorders in different age groups. Farah Deebea, Asima Azam, Rabea Ejaz, **Saima Qadeer**, Asma ul Husna, Iram Maqsood. 1st international two day virtual conference of Zoology. Zoological Emerging Scientific Trends. January 18-19, 2022.
 11. Effect of cotton seed cake and molasses on milk production of lactating holstein friesian cows and body weight of milk sucking Holstein Friesian calves. Hizar Rabeahat, Rabea Ejaz, **Saima Qadeer**, Irum Maqsood. 1st international two day virtual conference of Zoology. Zoological Emerging Scientific Trends. January 18-19, 2022.
 12. Study of relationship of polycystic ovarian syndrome with infertility among female patients at Lady Reading Hospital Peshawar. Ayesha Hidayat, Rabea Ejaz, **Saima Qadeer**, Irum Maqsood. 1st international two day virtual conference of Zoology. Zoological Emerging Scientific Trends. January 18-19, 2022.
 13. Etiology and risk factors associated with male infertility. Aiman Safi, Asima Azam, Rabea Ejaz, Iram Maqsood, **Saima Qadeer**, Asma ul Husna. 1st international two day virtual conference of Zoology. Zoological Emerging Scientific Trends. January 18-19, 2022.
 14. Prevalence of endometrial polyps in Peshawar, Khyber Pakhtunkhwa. Gul Saba, Asima Azam, Rabea Ejaz, Iram Maqsood, **Saima Qadeer**, Asma ul Husna. 1st international two day virtual conference of Zoology. Zoological Emerging Scientific Trends. January 18-19, 2022.
 15. Clinical characteristics of polycystic ovary syndrome in District Peshawar. Syeda Samiha, Asima Azam, Rabea Ejaz, Iram Maqsood, **Saima Qadeer**, Asma ul Husna. 1st international two day virtual conference of Zoology. Zoological Emerging Scientific Trends. January 18-19, 2022.
 16. Prevalence and risk factors of dengue fever among population of Peshawar city. Samreen Sareer, Rabea Ejaz, **Saima Qadeer**, Irum Maqsood. 1st international two day virtual conference of Zoology. Zoological Emerging Scientific Trends. January 18-19, 2022.
 17. Epidemiology and risk factors associated with *Cutaneous leishmaniasis*. Asiya, Asima Azam, Rabea Ejaz, **Saima Qadeer**, Asma ul Husna, Iram Maqsood. 1st international two day virtual conference of Zoology. Zoological Emerging Scientific Trends. January 18-19, 2022.
 18. Level of trace metals and associated impact on biochemical, hematological effects in occupationally exposed waste-collecting workers. Umra Rasool, **Saima Qadeer**, Rabea Ejaz, Sana Ullah, Ayesha Riaz. 1st international two day virtual conference of Zoology. Zoological Emerging Scientific Trends. January 18-19, 2022.
 19. Clinical characteristics and factors associated with amenorrhea in female population in Peshawar. Aisha Ashfaq, Asima Azam, Rabea Ejaz, **Saima Qadeer**, Asma ul Husna, Fatima Jehan. (40th Pakistan Congress of Zoology- International). December, 17-19, 2021.

20. In vitro supplementation of fatty acids in extender for cryopreservation of buffalo semen. Rabea Ejaz, **Saima Qadeer**, Asima Azam, Muhammad Sajjad Ansari, Bushra Allah Rakha and Shamim Akhter. 40th Pakistan Congress of Zoology (International). March 10-12, 2020.
21. Supplementation of polyvinyl pyrrolidone in extender improves post thaw quality of cryopreserved buffalo semen. Bushra Rafaquat, Rabea Ejaz, **Saima Qadeer**, Asma Ul Husna, Muhammad Sajjad Ansari, Bushra Allah Rakha and Shamim Akhter. 40th Pakistan Congress of Zoology (International). March 10-12, 2020
22. Assessment of bull semen fertility by in vitro fertilization tests in Nili Ravi buffalo bull. Asima Azam, Asma Ul Husna, Rabea Ejaz, **Saima Qadeer**, Qaisar Shahzad, Tasneem Akhter, Shamim Akhter. 40th Pakistan Congress of Zoology (International). March 10-12, 2020
23. Occurrence of peptic ulcer in district Bannu, KP. Asima Azam, Faiza Khattak, Noor Jahan Begum, Rabea Ejaz, **Saima Qadeer** and Asma ul Husna. 5th International Multidisciplinary Research Conference, 2019. October 29-31, 2019.
24. Fertility of cryopreserved buffalo semen can be improved by supplementation of arachidic acid in extender. Rabea Ejaz, **Saima Qadeer**, Iram Maqsood, Muhammad Sajjad Ansari, Bushra Allah Rakha, Asma Ul Husna, Asima Azam and Shamim Akhter. 39th Pakistan Congress of Zoology. (4-6 March, 2019)
25. Linoleic acid supplementation in extender improves sperm progressive motility and plasma membrane integrity of cryopreserved Nili-Ravi buffalo spermatozoa. R.Ejaz, M. S. Ansari, B. A. Rakha, **S. Qadeer**, A. U. Husna, A. Azam and S. Akhter. 37th Pakistan Congress of Zoology. February 28 to March 02, 2017.
26. In Vitro longevity of cryopreserved semen from various cattle breeds. H. Basharat, R. Ejaz, **S. Qadeer**, M. S. Ansari, B. A. Rakha and S. Akhter. 37th Pakistan Congress of Zoology. February 28 to March 02, 2017.
27. A novel recombinant eel pout (*Macrozoarces americanus*) type III antifreeze protein improve cryosurvival of buffalo sperm. **S. Qadeer**, M. A. Khan, M. S. Ansari, B. A. Rakha, R. Ejaz, A. U. Husna, N. Ullah, V. K. Walker, and S. Akhter. 37th Pakistan Congress of Zoology. February 28 to March 02, 2017
28. S. Akhter, B.A. Rakha, M.S. Ansari, N. Kamal, S. Rani, S. Bibi, S. Naz, **S.Qadeer** and M. Khalid. 2014. Effect of amino acid supplementation of extender on post-thaw quality of Sahiwal bull spermatozoa. The 11th Annual Conference of the Asian Reproductive Biotechnology Society ARBS 2014.
29. 2nd International Workshop Dairy Sci Park, Nov 18-20, 2013; Univ Agric, Peshawar, Pakistan. Q. Shahzad, A. U. Husna, A. Azam, R. Ejaz, **S. Qadeer**, , T. Akhter, , A. A. K. Niazi and M. Ahmad. Effect of different thawing times and temperatures used by local veterinarians, on post thaw quality of buffalo bull spermatozoa: establishment of a novel thawing method to improve semen quality. pp 22
30. **S. Qadeer**, M. S. Ansari, B. A. Rakha, S. M. H. Andrabi, N., Ullah, S. Akhter. Survival of Post-Thawed Spermatozoa from Sahiwal (*Bos indicus*) Dairy bulls. Proceedings of the National Science Conference: Roadmap of Cutting Edge Technologies, January 10-12, 2012.

31. Akhter, S., M. S. Ansari, B. A. Rakha, S. M. H. Andrabi, **S. Qadeer**, N. Ullah, Evaluation of ciprofloxacin for cryopreservation of buffalo spermatozoa. *Reproduction in Domestic Animals Conference: 16th Annual Conference, Volume: 47*
32. **S. Qadeer**, A. Batool, K. Mehboob, M. S. Ansari, B. A. Rakha, S. M. H. Andrabi, N. Ullah and S. Akhter. 2011. Effect of streptomycin, neomycin, polymyxin B and E with penicillin in extender on bacterial control and quality of buffalo spermatozoa. *Proceedings of the 31st International Pakistan Congress of Zoology held at University of Azad Jammu and Kashmir, Muzaffarabad, 19-21 April, 2011.*

BOOKS PUBLISHED:

1. Muhammad Asad, Saima Qadeer, Asma Ashraf, Sana Ullah, Ammara Riaz, Kashif Ali and Sana Kausar. (2023). Sustainable Goals for Achieving Disease Control in Livestock and Animal Industry. In Khan, A et al., (Ed.) *One Health Triad* (pp. 182-189) Unique Scientific publisher.
2. Ammara Riaz, Muhammad Asad, Kashif Ali, Sana Ullah, Asma Ashraf, Saima Qadeer, Mawra Rasheed, Usama Abdullah, Hina Zawar (2023) Climate change and household insect/pest. In Ali, et al., (Ed.) *Climate Change and Insect Biodiversity Challenges and Implications 1st Edition*. Routledge Taylor & Francis Group.
- 3.

SEMINARS / WORKSHOPS/ CONFERENCES ORGANIZED/PARTICIPATED:

1. **Conference Secretary** of 2nd two days International Conference on *Recent Trends in Natural Sciences*. (RTNS 2023) at University of Education Lahore Jauharabad Campus on May 03-04, 2023.
2. **Organizing member** of 2nd two days International Conference on Zoological Emerging Scientific Trends (ZEST 2023) at University of Education Lahore Township Campus on March 07-08, 2023
3. **Organized a seminar** on World Wetlands Day 2023 at University of Education, Lahore Jauharabad Campus on Feb 10, 2023.
4. **Organized a cancer awareness walk** to raise awareness and support for the cancer at University of Education, Lahore Jauharabad Campus on Feb 06, 2023.
5. **Organized a one day seminar** on food safety awareness at University of Education, Lahore Jauharabad Campus on October 13, 2022.
6. **Chief organizer, coordinator and facilitator** of Five days hands on training on “Biorisk Management” at University of Education, Lahore Jauharabad Campus on November 14-18, 2022.
7. **Participated as invited participant** in Two-days IFS 1000 STEM Women Workshop virtually organized by International Foundation of Science, Sweden on August 11-12, 2022.
8. **Resource Person of Training** session on harassment at workplace by Student Counselling Center University of Education Lahore Jauharabad Campus on July 07, 2022.
9. **Chief Organizer to organize** 1st two days International Conference on Recent Trends in

- Natural Sciences (RTNS-2022) at University of Education, Lahore Jauharabad Campus on June 1-2, 2022.
10. **Chief organizer** of One Day Refresher Course of Biorisk Management Training at University of Education, Lahore Jauharabad Campus on April 20, 2022.
 11. **Organiser member** of one day symposia with title Prudent Practices in the Laboratory: Handling and Care with equipment at University of Education, Lahore Jauharabad Campus on Jan 26, 2022.
 12. **Secretary Abstract Review Committee** of two days International Conference of Zoology: Zoological Emerging Scientific Trends (ZEST 2022) at University of Education Lahore Township Campus on Jan 18-19, 2022.
 13. **Resource Person of Training** session on Significance of Co-Curricular Activities in Student Life organized by Student Counselling Center University of Education Lahore Jauharabad Campus on Jan 10, 2022.
 14. **Participated as invited participant** in three day workshop on “Establishing Zoonoses Control Committees for integrated surveillance, detection, and reporting of High Risk Pathogens in Punjab” organized by Association of Biorisk Management in collaboration with Health security partner on November 25-27, 2021.
 15. **Participated as invited participant** IFS Women in Science Workshop organized by International Foundation of Science on 26 of November 2021.
 16. **Participated as invited participant** in four days Training on “Safe and Secure Sample Collection & Transportation” organized by Association of Biorisk Management in collaboration with Health security partner on October 28-31, 2021.
 17. **Resource person** of one day webinar on “Recent advances in Animal Biobanking” at Shaheed Benazir Bhutto Women University Peshawar on 12th August, 2021.
 18. **Organizer of Webinar** session on Career Opportunity for Zoologists at University of Education, Lahore Jauharabad Campus on March 16, 2021.
 19. **Chief organizer** of Five virtual on training on “Biorisk Management” at University of Education, Lahore Jauharabad Campus on December 07-11, 2020.
 20. **Organizer of hand on training** on Quantitative data analysis using SPSS at University of Education, Lahore Jauharabad Campus on November 25, 2020.
 21. **Organizer of Webinar** session on World Hepatitis Day at University of Education, Lahore Jauharabad Campus on July 28, 2020.
 22. **Organizer of a student contact session** on Time Management Skills at University of Education, Lahore Jauharabad Campus on Feb 14, 2020.
 23. **Organizer of a student contact** session on Presentation Skills at University of Education, Lahore Jauharabad Campus on Jan 30, 2020.
 24. **Organiser a one day symposia** world Science Day at University of Education, Lahore Jauharabad Campus on November 12, 2019.
 25. **Organiser a seminar** on impact of Chemical Pollution on wildlife at University of Education, Lahore Jauharabad Campus on Feb 10, 2019.

ADMINISTRATIVE/NON ACADEMIC ACTIVITY:

1. **Coordinator Department of Zoology** from 2019- till date at Department of Zoology, University of Education, Lahore Jauharabad Campus
2. **Member of BOS** at Department of Zoology, University of Education, Lahore Jauharabad Campus
3. **Member of Discipline Committee** at University of Education, Lahore Jauharabad Campus
4. **Member** of Purchase committee at University of Education, Lahore Jauharabad Campus
5. **Member** of Inquiry committee of HEC Policy on Protection against Sexual Harassment in Higher Education Institution at University of Education, Lahore Jauharabad Campus
6. **Convener** of Canteen Supervisory Committee at University of Education, Lahore Jauharabad Campus
7. **ISA Nominee member** of Girls Hostel Discipline Committee at University of Education, Lahore Jauharabad Campus
8. **Member** of Unserviceable/Dead Stock Items Committee at University of Education, Lahore Jauharabad Campus
9. **In charge Time table** (2019-2022) at University of Education, Lahore Jauharabad Campus
10. **Coordinator Student counselling centre** (2019-2022) at University of Education, Lahore Jauharabad Campus
11. **Program Team Member** for preparation of Self-Assessment Report for the year 2018-19 at University of Education, Lahore Jauharabad Campus
12. **Member** of Physical Verification of Assets Committee 2019 at University of Education, Lahore Jauharabad Campus
13. **Member** of Library Stock taking Committee 2019 at University of Education, Lahore Jauharabad Campus
14. **Member** of Anti-Dengue Committee from 2019-contin.. at University of Education, Lahore Jauharabad Campus
15. **Member** of Admission committee (every year) at University of Education, Lahore Jauharabad Campus since Spring 2019 to date
16. **Convener** of Visiting Faculty hiring committee (every semester) at University of Education, Lahore Jauharabad Campus since Spring 2020 to date

COURSES TAUGHT:

BS Level

1. Principles of Animal Life I
2. Principles of Animal Life II
3. Animal Diversity (Invertebrate)
4. Animal Diversity (Vertebrate)
5. Cell biology, Genetics and Evolution
6. Animal Form and Function I
7. Animal Form and Function II
8. Developmental Biology

9. Wildlife
10. Wildlife and Biodiversity
11. General and comparative Endocrinology
12. Introduction to Statistics and Probability

MS Level

1. Research Methodology
2. Advances of Wildlife
3. Reproductive Physiology
4. Conservation Biology
5. Endocrine Physiology

MS STUDENTS SUPERVISED/CO SUPERVISED:

Student Name	MS Thesis Title	University Name
Haseeb Babar	Assessment of Avifaunal Diversity in Rural and Urban Areas of Sheikhpura, Punjab, Pakistan	University of Education Lahore (2019-21)
Muhammad Waqas	Interaction of Polyunsaturated Fatty Acid (PUFA) of Buffalo Sperm with Antifreeze Protein: A computational Insight.	University of Sargodha (2019-21)
Muhammad Umer Farooq	Evaluating the cryoprotective effects of Kappa-carrageenan on post thaw ram sperm quality	University of Education Lahore, Jauharabad Campus (2021-23)
Muhammad Adil	Antimicrobial activity of metal oxide nanoparticles in cryopreserved ram semen	University of Education Lahore, Jauharabad Campus (2021-23)
Naila Parveen	Antioxidant effect of cinnamon on cryopreservation ram sperm quality	University of Education Lahore, Jauharabad Campus (2021-23)
Rehana Batool	Diversity and relative abundance of birds at conjunction of Thal desert, River Jhelum and Salt range mountains in District Khushab	University of Education Lahore, Jauharabad Campus (2021-23)

MS STUDENTS CURRENTLY UNDER SUPERVISION:

Umar Farooq	Proteomic as a biomarker tool to predict the fertility in bull cattle(<i>Bos taurus</i>).	University of Education Lahore, Jauharabad Campus (2022-24)
Muhammad Ibraheem	GIS based distribution and population estimation of Indian Gazelle(<i>Gazelle bennettii</i>) in salt range of Pakistan.	University of Education Lahore, Jauharabad Campus

		(2022-24)
Muhammad Ammaar Jabbar	Evaluation of extenders for refrigerated preservation of <i>Catla catla</i> milt.	University of Education Lahore, Jauharabad Campus (2022-24)
Fouzia Bibi	Antibacterial properties of green synthesized Ag nanoparticles extracted from <i>Datura anoxia</i> plant leaves against bacteria causing Bovine mastitis disease in Buffalo.	University of Education Lahore, Jauharabad Campus (2022-24)

EVALUATION OF MS RESEARCH WORK:

Student Name	MS Thesis Title	University Name
Ms. Iram Khatoon	Prevalence and risk factor of urinary tract infection among people in district Swabi, Pakistan.	Department of Zoology Women University Swabi
BS/M.Sc. Thesis		
Amna Iqbal	Hibernative Behavior of Scorpion in Disstrict Sheikhpura.	University of Education Lahore, Faisalabad Campus (2028-22)
Ayesha Hafeez	Defensive, Attacking, Prey capturing Behavior of <i>Hottontota tamulus</i> in District Nankana Sahib	University of Education Lahore, Faisalabad Campus (2020-22)
Zoya Gulzar	Scorpion sting cases and possible treatment options in rural area of District Hafizabad.	University of Education Lahore, Faisalabad Campus (2020-22)
Muhammad Ramzan	Study of Hepatotoxicity and Nephrotoxicity Induced by Sodium Arsenite Nanoparticles in <i>Mus musculus</i>	University of Education Lahore, Faisalabad Campus (2028-22)
Shazia Yousaf	Study of Reproductive and Spleentoxicity Induced by Sodium Arsenite Nanoparticles in <i>Mus musculus</i>	University of Education Lahore, Faisalabad Campus (2028-22)

REVIEWER OF JOURNALS:

- 1 **Journal Name: Journal of Zhejiang University-SCIENCE B:**
Article Title: Seasonal coronaviruses and SARS-CoV-2: Effects of preexisting immunity during the COVID-19 pandemic
- 2 **Journal Name: Phytomedicine**
Article Title: Ginsenosides restore lipid and redox homeostasis in mice with intrahepatic cholestasis through SIRT1/AMPK pathways
- 3 **RADS Journal of Biological Research & Applied Sciences**
Article Title: Water quality parameters and fish diversity at Chashma Barrage, Mianwali, Punjab, Pakistan

REFERENCES

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