

Short C.V

Dr. Chaman Ara

Associate Professor of Zoology (Tenured)

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SALIENT ACADEMIC ACHIEVEMENTS

| | |
|---|---------------|
| Total Publications: (National/International) | 42 |
| W-Category Publications: | 27 |
| X-Category Publications: | 09 |
| Y-Category Publications: | 04 |
| Other Publications: | 02 |
| Total Impact Factor: | 63.883 |

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|----------------------------|-----------|
| PhDs Under Supervision | 05 |
| MPhil/MS Produced | 24 |
| MPhil/MS Under Supervision | 05 |
| M.Sc/BS produced | 15 |

Awards/Appreciations

1. Performance Evaluation Award (PU) 2018-19
2. Performance Evaluation Award (PU) 2011-20
3. Performance Evaluation Award (PU) 2020-21
4. Performance Evaluation Award (PU) 2021-2022
5. Performance Evaluation Award (PU) 2022-23

Distinction:

- **HEC approved Ph.D supervisor**
- HEC Indigenous scholarship awardee for Ph. D Studies under Indigenous 5000 fellowship program
- GRE (GAT) general qualified

REVIEWER OF INTERNATIONAL/NATIONAL SCIENTIFIC JOURNALS:

1. Cell death and Disease
2. BMC Pharmacology and Toxicology
3. Journal of Applied Pharmaceutical Science
4. Punjab University journal of zoology (PUJZ)
5. Fluoride
6. Biologia

ADMINISTRATIVE/MANAGEMENT EXPERIENCE:

Served or serving

1. Admission Committee, Ph.D, MS/M.Phil , Zoology University of the Punjab Lahore.
2. Member Board of Studies, Zoology, Department, university of the Punjab Lahore.
3. Member Departmental Doctorial Programme committee.
4. Examiner/Paper setter University of Education Lahore.
5. Incharge Hostel Affairs in University of the Punjab, Lahore.
6. Member Sports committee zoology department, PU, Lahore.
7. Incharge Animal House Zoology Department, University of the Punjab, Lahore.
8. Member M.Phil (in- Service) interview committee.
9. External Examiner, to evaluate M. Phil Thesis and to conduct Viva Voce
10. External Examiner BS 4 years program 6th semester to conduct practical exam in affiliated Colleges.
11. Incharge Departmental data collection and sending to concerned bodies (ORIC / Planning and development, director student affairs, Registrar ,PASTIC, UNESCO,etc

Research Publications:- (from 2011-march 2023)

1. Chaman Ara and Asmatullah. **2011**. Embryotoxic and teratogenic effects of clomimphene citrate in developing mice. *Asian-Aust.J.Anim.Sci.* 24(8): 1053-1059. **(IF 1.664)**
2. Asma R, Asmatullah, Nabiha Z, and Chaman A. **2012**. Testicular Toxicity induced by Deltamethrin in Albino Mice. *Pakistan J. Zool.*, **44**. 1349-1335. **(IF 0.491)**
3. Asmatullah, Fatima B, and Chaman Ara. **2012**. Toxic Potential of Rifadin in Developing Mice. *J. Anim Prod Adv.* **2**. 189-198.
4. Asmatullah, Chaman Ara, Shagufta Andleeb, Ayesha Zafar, and Maha Tahir. **2014**. Rifampicin Induced Embryotoxicity in *Mus musculus*. *Pakistan J. Zool.*, 46(3): 717-724, **(IF 0.491)**
5. Asmatullah, Chaman Ara*, Misbah Noreen, Tahir Maha **2014**. Developmental Defects Induced by Clonazepam in Mice. *The J.Toxicol and Health.* Vol 104. 442-447 **(Impact Index: 4.72)**.
6. Khan, M.K.A., Perveen, M., Andleeb, S., Ara, C., Shahzad, K. And Asmtullah., **2014**. Developmental defects induced by lambda cyhalothrin in mice. *Punjab Univ. J. Zool.*, 29(2): 85-90. **(HEC Recognised)**
7. Asma Rashid Khan, Asmatullah, Shagufta Andleeb, Khalida Kausar and Chaman Ara, **2015**. Testicular toxicity due to cadmium in albino mice. *Biologia.*, 61(1): 1-9. **(HEC Recognised)**
8. Chaman Ara, Asmatullah, Shagufta Andleeb, Maha Tahir, Asma Rashid Khan and Muhammad Khalil Ahmad Khan., **2016**. Cadmium induced Teratogenic Effects in Developing *Mus musculus*. *Pakistan J. Zool.*, vol. 48(1), pp.73-81. **(IF 0.491)**
9. B. Zahid^{1*}, A. Aslam,Habib-ur-Rehman, J. I. Qazi, N. Ahmad, C. Ara¹, R. Akhtar², andU. Bacha^{3.}, **2017**. Pathogenicity And Immunosuppressive Effect Of Different Vaccines of Infectious Bursal Disease Virus. *JAPS.*, 27(4): 1183-1189. **(IF 0.448)**
10. Madeeha Arshad, Asmatullah and Chaman Ara., **2017**. Embryotoxic effects of sodium Arsenate in *Mus musculus*. *Punjab Univ. J. Zool.*, 32(2): 189-195. **(HEC Recognised)**
11. Asmatullah¹, Chaman Ara^{1*}, Shagufta Andleeb², Maha Tahir¹, Beenish Zahid¹ Madeeha Arshad **(2018)** Therapeutic Effect of Guava Fruit Extract on Cadmium Induced Toxicity in Developing *Mus musculus*. *Pakistan J. Zool.*, vol. 50(3), pp.929-939. **(IF 0.547) D**
12. Shagufta Andleeb*, Shabana Shaukat¹, Chaman Ara **(2018)** Protection Against Cadmium-Induced Abnormalities and Hepatotoxicity *in ovo* by *Allium sativum*. *Punjab Univ.. J. Zool.*, 33(1): 34-41. **(HEC Recognised)**
13. Shagufta Andleeb^{*1}, Fariha Zahid¹, Noor-ul-Ain¹, Yousra Nisar¹, Chaman Ara **(2018)**. Vulnerability of Three Days Old Chick Embryos to Permethrin Induced Toxicities. *Punjab Univ.. J. Zool.*, 33(1): 47-53. **(HEC Recognised)**
14. Beenish Zahid^{*1}, Asim Aslam¹, Rukhsana Anjum², Saeed Imran¹, Irfan Irshad¹, Chaman Ara³ and Haleema Sadia, **(2018)**. Study on Tissue Tropism and Molecular Detection of VP2 Gene of Infectious Bursal Disease Virus in Experimentally Infected Broiler Tissues, *PVJ.*, DOI: 10.29261/pakvetj/2018.05 . **(IF 1.392)**
15. S. Andleeb^{1*}, Ata-ul-Mustafa Fahid¹ , U. F. Dilawari¹ , M. Arshad² and C. Ara **(2018)**. Attenuation of sodium fluoride induced nephrotoxicity by fresh orange juice in mice. *JAPS.*, 28(6): 1709-1716. **(IF 0.448)**
16. Madeeha Arshad , Asmatullah¹ , **Chaman Ara** , Shagufta Andleeb and Naveed Ahmad **(2018)**. Teratogenesis Induced by Trimethoprim Sulfamethoxazole in Mice. *Pakistan J. Zool.*, 50(5), pp 1967-1970. **(IF 0.547)**
17. Hafiza Sadaf Zahra¹, Asia Iqbal², Sayyeda Hira Hassan¹, Hafiz Abdullah Shakir^{1*}, Muhammad Khan^{1*}, Muhammad Irfan³, **Chaman Ara**, Shaukat Ali. **(2019)**. Epigenetics: A Bridge between Artificial Light at Night and Breast Cancer. *Punjab Univ. J. Zool.*, 34(2): 231-238.
18. **Chaman Ara**^{1*}, Asmatullah¹, Sehrish Kanwal¹, Asma Chaudhary², Ayesha Siddiqua¹⁽²⁰²⁰⁾. Haematological and Histopathological Analyses of Levofloxacin Induced Toxicity in Mammals. *Punjab Univ. J. Zool.*, 35(1): 01-06 (2020).
19. **Chaman Ara**^{1*}, Asmatullah¹, Zainab Riaz¹, Memoona¹, Asma Chaudhary², Shagufta Andleeb.⁽²⁰²⁰⁾. Turmeric Plays Protective Role against Paraben Induced Hepatic and Renal Lesions in Albino Mice. *Punjab Univ. J. Zool.*, 35(1): 07-12.

20. S. Zafar, Asmatullah1 and **Chaman Ara**, * Pomegranate juice ameliorates atenolol toxic effects on embryo Development (2020). *The Journal of Animal & Plant Sciences*, 30(5): 2020, Page: 1145-1153. (IF 0.529).
21. **Chaman Ara**1*, Asmatullah1, Saima Hanif1, Shagufta Andleeb2, Beenish Zahid and Madeeha Arshad. (2020). Red Onion Extract Attenuates Aluminum Induced Toxicity in Swiss Albino Mice. *Pakistan J. Zool.*, 52(5), pp 1-4. (IF 0.790). Z
22. **Chaman Ara**1 , Asmatullah1 , Naila Butt1 , Shaukat Ali2 , Farrah Batool1 , Hafiz Abdullah Shakir1 , Aqsa Arshad. Abnormal steroidogenesis, oxidative stress, and reprotoxicity following prepubertal exposure to butylparaben in mice and protective effect of *Curcuma longa*. *Environmental Science and Pollution Research* 28:6111–6121 (2021). <https://doi.org/10.1007/s11356-020-10819-8>. (IF 4.223)
23. Shaukat Ali1, Saleha Bashir2 , Shumaila Mumtaz1 , Hafiz Abdullah Shakir3 , **Chaman Ara**3 , Farooq Ahmad4 , Hafiz Muhammad Tahir1 , Mehwish Faheem1 , Muhammad Irfan5 , Azeem Masih6 , Mazhar Ulhaq7 , Saiqa Andleeb2. Evaluation of Cadmium Chloride-Induced Toxicity in Chicks Via Hematological, Biochemical Parameters, and Cadmium Level in Tissues. *Biol Trace Elem Res.*, 199, 3457–3469. <https://doi.org/10.1007/s12011-020-02453-9> (IF 3.738)
24. Asma Chaudhary*, Afia Muhammad Akram, Qurat-Ul-Ain Ahmad, Qandeel Minahal, **Chaman Ara**, Shagufta Andleeb, Mehwish Iqtedar And Qurban Ali*(2020). Rsm-based fermentative ethanogenesis Employing acid hydrolysate watermelon Peels. *Plant Cell Biotechnology And Molecular Biology* 21(63&64):63-77.
25. Asia Iqbal, Muhammad Zakir, Muhammad Muddassir Ali, Shagufta Irshad, Arshad Javid, Muhammad Khan, **Chaman Ara**, Asmatullah, (2021). Effects of Allium cepa- mediated zinc oxide nanoparticles on male reproductive tissue and sperm abnormalities of albino mice (*Mus musculus*). *Applied Nanoscience*. 11, 807–815 (2021). <https://doi.org/10.1007/s13204-020-01633-2>. (IF 3.674)
26. C. Ara^{1*}, Z. Zainab¹, M. Khan¹, Memoona¹, A. Iqbal² and K. Shahzad³. (2021). Daily Use Of *Camellia Sinensis* Extract Can Protect Acrylamide Induced Organ Pathologies In Mice. *The J. Anim. Plant Sci.*, 31 (5) 2021. (IF 0.490)
27. F. Nawaz*, Asmatullah and C. Ara (2021). Assessment of deleterious effects of bisphenol a on steroidogenesis, sperm count, and spermatogenesis in a mammalian model. *The J. Anim. Plant Sci.*, 31 (6) 2021. (IF 0.490)
28. **Chaman Ara**, Asmatullah, Faiza Yaseen, Shaukat Ali, Hafiz Abdullah Shakir, Muhammad Khan, Shagufta Andleeb and Nageena Ramzan. (2021). Evaluation of sex steroid hormones and reproductive irregularities in diethyl phthalate-exposed premature mice: modulatory effect of raw honey against potential anomalies. *Environmental Science and Pollution Research*. 28 (39): 55265-55276. <https://doi.org/10.1007/s11356-021-14774-w> (IF 4.223)I-
29. Faheem Nawaz1,*, Asmat Ullah1, Chaman Ara1, Madeeha Mehboob1, Muhammad Idnan. (2021). The Assessment of Histopathological Impacts of Bisphenol-A on the Liver in Mice Model. *Rads journal of biological research and Applied Sciences*.12(2):90-97. 3 2021.
30. **Chaman Ara**1 · Asmatullah1 · Nageena Ramzan1 · Shaukat Ali2 · Hafiz Abdullah Shakir1 · Iram Liaqat2 · Asia Iqbal3 · Faiza Yaseen1 · Nida Shahzad1. (2022). Black coffee mitigates diethyl phthalate disrupted folliculogenesis reduced gonadotropins, and ovarian lesions in female albino mice. *Environmental Science and Pollution Research*. <https://doi.org/10.1007/s11356-022-19138-6> (IF 5.190)
31. Muhammad Faisal Maqbool 1, Aisha Ashaq 1, Amara Maryam 1, Muhammad Khan 1*, Muhammad Akhtar Ali 2, Hafiz Abdullah Shakir 1, Sameena Gul 1,3, Farah Rauf Shakoori 1, Muhammad Irfan 4 and **Chaman Ara**, (2022). Unraveling the Anticancer Components of *Centipeda minima* and their Cellular Targets in Human Cancers. *J. Biologically Act. Prod. Nat.* 2022, 12(1):42-64. DOI: 10.1080/22311866.2021.2016485
32. Liaqat, Iram, Mubin, Muhammad, Chaudhry, Maleeha Anwar, Arshad, Najma, Afzaal, Muhammad, **Ara**, **Chaman**, Ali, Nazish Mazhar, Sardar, Andleeb Anwar, Awan, Umer Farooq, Sajjad, Sumera, Rashid, Farzana, & Ali, Shaukat. (2022). Multienzyme and Antibacterial Potential of Bacteria Isolated from gut of Asian Honey Bee (*Apis cerana Indica*), Lahore Using Culture Dependent Method. *Brazilian Archives of Biology and Technology*, 64, e21210018. Epub February 21, 2022.<https://doi.org/10.1590/1678-4324-2021210018>(IF 1.180).
33. Sameena Gul, Muhammad FaisalMaqbool, AmaraMaryam, Muhammad Khan2 Hafiz

- Abdullah Shakir, Muhammad Irfan, **Chaman Ara**, Yongming Li, TonghuiMa. (2022). Vitamin K: A novel cancer chemosensitizer. *Biotechnol Appl Biochem*. 2022;1–17. DOI: 10.1002/bab.2312 (IF 2.724).
34. Mudassar Hussain, Iram Liaqat *, Uzma Hanif, Aisha Sultan, **Chaman Ara**, Nauman Aftab, Urooj, and Abida Butt. Medicinal Perspective of Antibacterial Bioactive Agents in Earthworms (Clitellata, Annelida): A Comprehensive Review. *J Oleo Sci*. 2022 Apr 1;71(4):563-573. doi : 10.5650/jos.ess21379 (IF 1.628).
 35. **Chaman Ara***, Sehrish Jabeen , Gul Afshan , Ariba Farooq , Muhammad Sarfraz, Akram Asmatullah, Atif Islam,*, Shumaila Ziafat, Bushra Nawaz, Rafi Ullah Khan. (2022). Angiogenic potential and wound healing efficacy of chitosan derived hydrogels at varied concentrations of APTES in chick and mouse models. *International Journal of Biological Macromolecules* 202 (2022) 177–190. (IF 8.025)
 36. **Chaman Ara**, Aqsa Arshad, Mehwish Faheem*, Muhammad Khan and Hafiz Abdullah Shakir. (2022). Protective Potential of Aqueous Extract of *Allium cepa* against Tartrazine Induced Reproductive Toxicity. *Pakistan Veterinary journal*; .42(3):358-363. DOI: 10.29261/pakvetj/2022/029 (IF 1.803).
 37. I. Liaqata*, N. M. Alia , N. Arshadb , S. Sajjadc , F. Rashidc , U. Hanifd , **C. Ara** , M. Ulfatf , S. Andleebg , U. F. Awand , A. Bibih ., M. Mubini , S. Alia , H. M. Tahira and I. ul-Haqj . (2023). Gut dysbiosis, inflammation and type 2 diabetes in mice using synthetic gut microbiota from diabetic humans. *1/14 Brazilian Journal of Biology*, (2023), vol. 83, e242818 | <https://doi.org/10.1590/1519-6984.242818>. (IF 1.651).
 38. Shahzad, K., Khan, M.N., Jabeen, F. **Chaman Ara**. *et al*. Study of Some Toxicological Aspects of Titanium Dioxide Nanoparticles Through Oxidative Stress, Genotoxicity, and Histopathology in Tilapia, *Oreochromis m ossambicus*. *BioNanoSci*. 12, 1116–1124 (2022). <https://doi.org/10.1007/s12668-022-01024-7>. (IF 3.267)
 39. Shumaila Mumtaz, Shaukat Ali, Syed Akif Raza Kazmi, Tafail Akbar Mughal, Samaira Mumtaz, Hafiz Muhammad Tahir, Muhammad Summer, **Chaman Ara**, Muhammad Imran Rashid (2022). Analysis of the antimicrobial potential of sericin-coated silver nanoparticles against human Pathogens. *Microscopy research and technique*. <https://doi.org/10.1002/jemt.24273>. (IF 2.893).
 40. Tooba Nauroze , Shaukat Ali, Lubna Kanwal , **Chaman Ara**, Tufail AkbarMughal , Shagufta Andleeb, Ameliorative effect of Nigella sativa conjugated silver nanoparticles against chromium-induced hepatotoxicity and renal toxicity in mice. *Saudi Journal of Biological Sciences* 30 (2023) 103571. <https://doi.org/10.1016/j.sjbs.2023.103571>. (IF 4.052)
 41. Tooba Nauroze, Shaukat Ali, Lubna Kanwal, Tafail Akbar Mughal, Shagufta Andleeb ,**Chaman Ara**. Pharmacological intervention of biosynthesized Nigella sativa silver nanoparticles against hexavalent chromium induced toxicity in male albino mice. *Saudi Journal of Biological Sciences*30 (2023) 103570. <https://doi.org/10.1016/j.sjbs.2023.103570> (IF 4.052)
 42. Liaqat, I., Muhammad, N., **Ara, C**. *et al*. Bioremediation of heavy metals polluted environment and decolourization of black liquor using microbial biofilms. *Mol Biol Rep* (2023). <https://doi.org/10.1007/s11033-023-08334-3>. (IF 2.742)