

## **Dr. Chaman Ara**

**Associate Professor of Zoology (Tenured)**

University of the Punjab

Lahore

ORCID: <https://orcid.org/0000-0003-4567-0078>

HEC Approved PhD Supervisor: 32801

### **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<sup>1\*</sup>, A. Aslam, Habib-ur-Rehman, J. I. Qazi, N. Ahmad, C. Ara<sup>1</sup>, R. Akhtar<sup>2</sup>, and U. Bacha<sup>3.</sup>, **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. Asmatullah<sup>1</sup>, Chaman Ara<sup>1,\*</sup>, Shagufta Andleeb<sup>2</sup>, Maha Tahir<sup>1</sup>, Beenish Zahid<sup>1</sup>, 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 Shaukat<sup>1</sup>, 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<sup>\*1</sup>, Fariha Zahid<sup>1</sup>, Noor-ul-Ain<sup>1</sup>, Yousra Nisar<sup>1</sup>, 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<sup>\*1</sup>, Asim Aslam<sup>1</sup>, Rukhsana Anjum<sup>2</sup>, Saeed Imran<sup>1</sup>, Irfan Irshad<sup>1</sup>, Chaman Ara<sup>3</sup> 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<sup>1\*</sup>, Ata-ul-Mustafa Fahid<sup>1</sup> , U. F. Dilawari<sup>1</sup> , M. Arshad<sup>2</sup> 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 , Asmatullah<sup>1</sup> , 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 Zahra<sup>1</sup>, Asia Iqbal<sup>2</sup>, Sayyeda Hira Hassan<sup>1</sup>, Hafiz Abdullah Shakir<sup>1\*</sup>, Muhammad Khan<sup>1\*</sup>, Muhammad Irfan<sup>3</sup>, 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 Ara1\***, 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 Ara1\***, 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 Ara1\***, 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 Ara1** , 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 Ara3** , 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. Ara1\***, Z. Zainab<sup>1</sup>, M. Khan<sup>1</sup>, Memoona<sup>1</sup>, A. Iqbal<sup>2</sup> and K. Shahzad<sup>3</sup>. (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 Ara1** · 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 BioactiveAgents 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**).
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  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**)