

CURRICULUM VITAE

1. Personal Information

Name: Dr. Haji Bahadar

Qualifications: Pharm.D, PhD (Pharmacology and Toxicology)

Designation: Associate Professor

Department: IPS, KMU

Date of Birth: 1 April 1983

Email: bahadar@kmu.edu.pk

2. Professional Summary

- Pharmacologist and toxicologist holding a Pharm-D from the University of Peshawar and a PhD in Pharmacology and Toxicology from Tehran University of Medical Sciences, Iran.
- Research focus centers on environmental and occupational toxicology, with extensive published work on the health effects of benzene, mercury, pesticides, and nanoparticles, as well as environmental toxicant links to diabetes and dyslipidemia.
- Previously worked as a Research Assistant at Tehran University of Medical Sciences, contributing to studies on oxidative stress, hepatic and pancreatic toxicity, and immune-modulatory effects of environmental toxicants.
- Contributing author of four book chapters in Elsevier's Encyclopedia of Toxicology, and an active peer reviewer for multiple international journals including DARU, Life Sciences, and Frontiers in Pharmacology.

3. Academic Qualifications

Degree	Institution	Year
PhD, Pharmacology and Toxicology	Tehran University of Medical Sciences, Tehran, Iran	2015
Pharm-D, Doctor of Pharmacy	University of Peshawar, Pakistan	2004 – 2010
BSc	University of Malakand, Pakistan	2002 – 2004
FSc	BSIE, Swat, Khyber Pakhtunkhwa, Pakistan	1999 – 2002

4. Professional Experience

Position	Organization	Duration
Research Assistant	Tehran University of Medical Sciences, Tehran, Iran	N/A
Associate Professor	IPS, KMU	From 2025 till date
Assistant Professor	IPS, KMU	From August 2016 to 2025
Chief Proctor	IPS, KMU	From 2020 till 2026
Pharm-D Academic Coordinator	IPS, KMU	From 2021 till 2026
Chairman Anti-Tobacco and Drugs	IPS, KMU	From 2021 till date

--	--	--

5. Areas of Specialization / Research Interests

- Environmental and Occupational Toxicology — benzene, mercury, xylene, and pesticide exposure.
- Nanoparticle Toxicology — experimental models for nanoparticle safety assessment.
- Diabetes and Metabolic Toxicology — arsenic/pesticide links to diabetes; lead-induced disruption of hepatic and pancreatic glucose metabolism.
- Immunotoxicology — immune-modulatory effects of environmental toxicants.
- Drug Discovery — dyslipidemia drug discovery approaches; protective effects of melatonin and α -lipoic acid against toxicant-induced injury.
- Genetic Epidemiology — type 2 diabetes mellitus genetic risk variants in the Pakistani Pashtun population.

6. Publications

- Bahadar H, Mostafalou S, Abdollahi M. Current understandings and perspectives on non-cancer health effects of benzene: a global concern. *Toxicology and Applied Pharmacology*, 2014;276:83–94. (IF 3.84)
- Maqbool F, Bahadar H, Abdollahi M. Science for the benefits of all; the way from idea to product. *Journal of Medical Hypotheses and Ideas*, 2014;8:74–77.
- Maqbool F, Bahadar H, Abdollahi M. Exposure to mercury from dental amalgams: a threat to society. *Archives of Industrial Hygiene and Toxicology*, 2014;65(3):339–340. DOI: 10.2478/10004-1254-65.
- Bahadar H, Maqbool F, Abdollahi M. Consumption of phthalates coated pharmaceutical tablets: an unnoticed threat. *International Journal of Pharmacology*, 2014;10:78–81. (IF 1.58)
- Bahadar H, Mostafalou S, Abdollahi M. Growing burden of diabetes in Pakistan and the possible role of arsenic and pesticides. *Journal of Diabetes and Metabolic Disorders*, 2014;13:117.
- Bahadar H, Maqbool F, Mostafalou S, Baeeri M, Rahimifard M, Navaei-Nigjeh M, Abdollahi M. Assessment of benzene-induced oxidative impairment in rat isolated pancreatic islets and effect on insulin secretion. *Environmental Toxicology and Pharmacology*, 2015;39(3):1161–1169. (IF 2.18)
- Bahadar H, Maqbool F, Mostafalou S, Baeeri M, Gholami M, Ghafour-Boroujerdi E, Abdollahi M. The molecular mechanisms of liver and islets of Langerhans toxicity by benzene and its metabolite hydroquinone in vivo and in vitro. *Toxicology Mechanisms and Methods*, 2015. DOI: 10.1016/j.etap.2015.04.010. (IF 1.54)
- Bahadar H, Abdollahi M. Inappropriate use of the term “cytotoxicity” in scientific literature. *DARU Journal of Pharmaceutical Sciences*, 2015;23(1):17. (IF 1.6)
- Mostafalou S, Baeeri M, Bahadar H, Soltany-Rezaee-Rad M, Gholami M, Abdollahi M. Molecular mechanisms involved in lead-induced disruption of hepatic and pancreatic glucose metabolism. *Environmental Toxicology and Pharmacology*, 2015;39(1):16–26. (IF 2.18)
- Maqbool F, Safavi M, Bahadar H, Rahimifard M, Niaz K, Abdollahi M. Discovery approaches for novel dyslipidemia drugs. *Current Drug Discovery Technologies*, 2015;(27):90–116. (PMID 26135857)
- Sarwar R, Farooq U, Khan A, Naz S, Khan S, Khan A, Rauf A, Bahadar H. Evaluation of antioxidant, free radical scavenging, and antimicrobial activity of *Quercus incana* Roxb. *Frontiers in Pharmacology*, 2015. (IF 4.41)
- Maqbool F, Bahadar H. Effects of methyl mercury on the activity and gene expression of mouse Langerhans islets and glucose metabolism. *Food and Chemical Toxicology*, 2016. (IF 3.58)
- Bahadar H, Maqbool F, Abdollahi M. Toxicity of nanoparticles and an overview of current experimental models. *Iranian Biomedical Journal*, 2016;20(1).
- Bahadar H, Abdollahi M, Maqbool F, Baeeri M, Niaz K. Mechanistic overview of immune modulatory effects of environmental toxicants. *Inflammation, Allergy and Drug Targets*, 2015;13(6). DOI: 10.2174/1871528114666150529103003.
- Bahadar H, Abdollahi M. The presence of ascorbic acid (Vitamin C) in iron supplements: friend or foe? (In process).

- Maqbool F, Mostafalou S, Bahadar H. Environmental toxicants and chronic diseases. *Life Sciences*, 2016;265–273. (IF 2.68)
- Niaz K, Bahadar H, Maqbool F, Abdollahi M. An overview of health benefits and future perspective of Manuka honey as an essential constituent in tissue engineering. *Current Drug Metabolism*, special issue — Therapeutic Advances and their Biomedical Perspectives. (IF 2.84)
- Niaz K, Bahadar H, Maqbool F, Abdollahi M. A review of environmental and occupational exposure to xylene and its health concerns. *EXCLI Journal*, 2015;14:1167–1186. (IF 1.1)
- Zahoor M, Khan FA, Uddin J, Khan A, Farooq U, Khan SB, Bahadar H. Evaluation of bacterial population in the saliva of drug addicts. (In process).
- Asghari MH, Moloudizargari M, Bahadar H, Abdollahi M. A review of protective effect of melatonin in pesticides-induced toxicity. *Expert Opinion on Drug Metabolism & Toxicology*, 2016. DOI: 10.1080/17425255.2016.1214712. (IF 2.58)
- Zahoor M, Bahadar H, Naz S, Uddin S. The sensitivity comparison of immunodiagnostic assays for diagnosing dengue fever. *Korean Journal of Clinical Laboratory Sciences*, 2016;48(4).
- Asghari MH, Moloudizargari M, Bahadar H, Abdollahi M. A review of the protective effect of melatonin in pesticide-induced toxicity. *Expert Opinion on Drug Metabolism & Toxicology*, 2017;13(5):545–554.
- Zahoor M, Bahadar H, Ayaz M, Khan A, Shah MJ. In vitro study on the antimicrobial activity of human tears with respect to age. *Korean Journal of Clinical Laboratory Science*, 2018;50(2):93–99.
- Baeeri M, Bahadar H, Rahimifard M, Navaei-Nigjeh M, Khorasani R. α -Lipoic acid prevents senescence, cell cycle arrest, and inflammatory cues in fibroblasts by inhibiting oxidative stress. *Pharmacological Research*, 2019;141:214–223.
- Maqbool F, Bahadar H, Hassani S, Niaz K, Baeeri M, Rahimifard M, Ghasemi-Niri SF. Biochemical evidence on the potential role of methyl mercury in hepatic metabolism through inflammatory signaling and free radical pathways. *Journal of Cellular Biochemistry*, 2019. DOI: 10.1002/jcb.28899.
- Jan A, Zakiullah, Ali S, Muhammad B, Arshad A, Shah Y, Bahadar H, Khan H, Khuda F, Akbar R, Ijaz K. Type 2 diabetes mellitus genetic risk variants in Pakistani Pashtun ethnic population using nascent whole exome sequencing and MassARRAY genotyping: a case-control association study. *PLOS ONE*, 2023. <https://doi.org/10.1371/journal.pone.0281070>

7. Patents

None reported.

8. Research Grants & Projects

None reported.

9. Book Chapters

Contributor, Encyclopedia of Toxicology, Elsevier:

- Cyclohexene. <http://www.sciencedirect.com/science/article/pii/B9780123864543003729>
- Trans-Fatty Acids. <https://www.sciencedirect.com/science/article/abs/pii/B9780128243152001202>
- Pyridoxine. <https://www.sciencedirect.com/science/article/abs/pii/B9780128243152001196>
- Paraldehyde. <https://www.sciencedirect.com/science/article/abs/pii/B9780128243152000580>

10. Student Supervision

- MPhil Scholars 20 +
- PhD Scholars 2

11. Achievements & Awards

None reported.

Scientific Contribution as Reviewer

- DARU (BMC).
- Life Sciences (Elsevier).
- Journal of Pharmaceutical Health Services Research.
- Frontiers in Pharmacology.
- Journal of Medical Hypotheses and Ideas.
- Biological Trace Element Research.
- iMedPub Journals.

12. References

Not provided in the source CV.