

## BRIEF BIODATA OF DR. DARAKHSHAN KHAN



**Dr. Darakhshan Khan** has completed her Ph.D. (Biotechnology) in 2023 from Barkatullah University, Bhopal. Her Ph.D. research topic was “Genotoxicity assessment of polyethylene microplastics using zebrafish (*Danio rerio*)” under the supervision of Prof. Dr. Sharique A. Ali, Department of Biotechnology, Saifia Science College, Bhopal (M.P). Dr. Khan has published 5 full papers in national and international journals of high impact factor. Dr. Khan has teaching experience of more than 4 years, as faculty in the Department of Biotechnology, Saifia Science College, Bhopal (M.P). Dr. Khan has completed her B.Ed. in 2020 from Abhilasha College of Education, affiliated to Barkatullah University, Bhopal and secured 82%. Dr. Khan has also completed her Masters (Biotechnology) in 2016 from Motilal Vigyan Mahavidyalaya, affiliated to Barkatullah University, Bhopal having a throughout first class academic career.

Dr. Khan has undergone several academic trainings from ICMR-BMHRC, Bhopal (February, 2024); CALEM-AMU, Aligarh (2021), MANIT, Bhopal (2015); TFRI, Jabalpur (2014). During her masters, she has completed her six-month dissertation from ICMR-National Institute of Occupational Health (NIOH), Ahmedabad, Gujrat in 2016. Her dissertation research entitled “Assessment of arsenic induced toxicity on Human Kidney Cells ACHN by using molecular methods.”

### List of Publications:

- Miraj SA, Parveen N, Khan A, **Khan D**, Ali SA. (2023). Understanding the changes in untangled drivers of air pollution during and after COVID -19 pandemic lock down in Central India. *Bulletin of Environment, Pharmacology and Life Sciences*, 13 (1), 221-228.
- **Khan D** and Ali SA. (2023). On the Novel Process of Pristine Microplastic Bio-fragmentation by Zebrafish (*Danio rerio*). *Archives of Environmental Contamination and Toxicology*, Springer Nature.1-8.
- Ali SA, Husain T, Kassab G, **Khan D**. (2023). Morpho-anatomical analysis of zebrafish scale melanocytes. *Journal of Survey in Fisheries Sciences*,10 (2), 987-991.
- **Khan D**, Husain T, Kassab G, and Ali SA. (2022). Microplastics as potential source for environmental pollution: An updated review on Indian scenario Post Covid -19. *World Journal of Biology Pharmacy and Health Sciences*,12(03), 094-106.
- Husain T, Kassab G, **Khan D**, and Ali SA. (2022). Insights into the treatment strategies for hypopigmentation disorders by natural herbs: current updates and future prospects. *World Journal of Biology Pharmacy and Health Sciences*, 12(03), 183–193.
- **Khan D**, Miraj SA, Ali SA. (2024). Assessment of pristine polyethylene microplastic particles induced embryo toxicity in the zebrafish, *Danio rerio*. *Toxicology and Environmental Health Sciences*, Springer Nature. (Under review).