Dr. Anurag Sharma
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Department of Environmental Toxicology and Ecology
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ACADEMIC BACKGROUND

- Doctor of Philosophy (Biotechnology): Jamia Hamdard, New Delhi and Indian Institute of Toxicology Research, Lucknow 2013
- Master of Science (Biotechnology): Jiwaji University, Gwalior 2005

EMPLOYMENT RECORDS

Duration	Position	Institution
August 2022-	Associate professor	NU Centre for Science Education & Research (NUCSER), Nitte (Deemed to be University), Mangalore, INDIA
May 2016 to July 2022	Assistant professor	NU Centre for Science Education & Research (NUCSER), Nitte (Deemed to be University), Mangalore, INDIA
October 2012 to April 2016	Post-doctoral fellow	Centre du Biologie du Developpement (CBD), Toulouse, France
October 2010 to September 2012	Senior research fellow (ICMR)	Embryotoxicology Section, Indian Institute of Toxicological Research (IITR), Lucknow, India
February 2006 to September 2010	DBT research fellow	Embryotoxicology Section, Indian Institute of Toxicological Research (IITR), Lucknow, India

RESEARCH and TEACHING EXPERIENCE

After M.Sc.: **17** Years After PhD: 10 Years

RESEARCH PROJECTS: Extramural Funding: **04**

As PI: 02
As Co-PI: 03
Funded by: ICMR, VGST and DST-SERB

GUIDANCE to RESEARCH STUDENTS:

Current Student: **04** Guided PG Students: **10**

- Ph.D.: 03
- Ph.D. Completed: 01
- Project JRF:01

PUBLICATION DETAILS

- Publication in the peer reviewed, indexed journal: 29
- Book chapters in edited books by international publishers: **09**
- Abstracts in national/ international conference: **15**
- Invited Talks /Oral Presentation (National/International): **10**
- National / International workshops / conferences / symposium attended: **18**

Citation indices	**All**
Citation	1577
h-index	16
i10-index	18
Total impact factor	165

SELECTED PUBLICATIONS

1. D'Souza LC, Paithankar JG, Stopper H, Pandey A*, **Sharma A*.** Environmental chemicals-induced ROS generation and immunotoxicity: A comprehensive review. Accepted in *Antioxidants & Redox Signaling*.
2. Dwivedi S, Francis KA, **Sharma A*.** Protective Role of Hsp27 in the Nonylphenol-Induced Locomotory and Longevity Toxicity. Journal of Health and Allied Sciences NU. 2023 Mar 16.
3. Paithankar JG, Gupta SC*, **Sharma A*.** Therapeutic potential of low dose ionizing radiation against cancer, dementia, and diabetes: evidences from epidemiological, clinical, and preclinical studies. *Molecular Biology Reports*. 2023 Mar;50(3):2823-34.
4. D'Souza LC, Kuriakose N, Raghu SV, Kabekkodu SP, **Sharma A*.** ROS-directed activation of Toll/NF-κB in the hematopoietic niche triggers benzene-induced emergency hematopoiesis. *Free Radical Biology and Medicine*. 2022 Nov 20;193:190-201.
5. D'Souza LC, Shekher A, Challagundla KB, **Sharma A*.**, Gupta SC. Reprogramming of glycolysis by chemical carcinogens during tumor development. ***Seminars in Cancer Biology*** 2022 Oct 17. Academic Press.
6. D'Souza LC, Dwivedi S, Raihan F, Yathisha UG, Raghu SV, Mamatha BS, **Sharma A*.** *Hsp70* overexpression in *Drosophila* hemocytes attenuates benzene-induced immune and developmental toxicity via regulating ROS/JNK signaling pathway. *Environmental Toxicology* doi: 10.1002/tox.23520. Online ahead of print.
7. Paithankar JG, Kushalan, S, Nijil, S, Hegde, S, Kini, S*****, **Sharma A*** (2022) Systematic toxicity assessment of CdTe quantum dots in *Drosophila melanogaster*. *Chemosphere*. 1;295:133836.
8. Diwivedi S, D'Souza LC, Shetty NG, Raghu, SV, **Sharma A*** (2022) *Hsp27*, a potential *EcR* target, protects nonylphenol-induced cellular and organismal toxicity in *Drosophila melanogaster*. *Environmental Pollution* 293: 118484.
9. Louradour I, **Sharma A,** Morin-Poulard I, Letourneau M, Vincent A, Vanzo N, Crozatier M (2017). Reactive oxygen species-dependent Toll/NF-κB activation in the *Drosophil*a hematopoietic niche confers resistance to wasp parasitism. *Elife* doi: 10.7554/eLife.25496.
10. Morin-Poulard I, **Sharma A,** Louradour I, Vanzo N, Vincent A, Crozatier M (2016). Vascular control of the *Drosophila* hematopoietic niche: role of Slit/Robo signaling. *Nature Communications* 11634.
11. **Sharma A**, M Mishra, AK Shukla, R Kumar, MZ Abdin, Chowdhuri DK (2012). Organochlorine pesticide, endosulfan induced cellular and organismal response in *Drosophila melanogaster*. *Journal of Hazardous Materials 221-222, 275–287.*
12. **Sharma A,** Mishra M, Ravi Ram K, Kumar R, Abdin MZ, Chowdhuri DK (2011). Transcriptome analysis provides insights for understanding the adverse effects of endosulfan in *Drosophila melanogaster*. *Chemosphere* 82: 370-376.
13. **Sharma A,** Mishra M, Shukla AK, Chowdhuri DK (2011). Validation and application of *Drosophila melanogaster* as an in vivo model for the detection of double strand breaks by neutral Comet assay. *Mutation Research/Genetic Toxicology and Environmental Mutagenesis* 721: 142-146.

REVIEWER OF SCIENTIFIC JOURNALS

Molecular Neurobiology, Springer; Chemosphere, Elsevier; Environmental Toxicology; Wiley, The Scientific World Journal, Hindawi; Analytical Cellular Pathology, Hindawi; Environmental Science and Pollution Research, Springer; Ecotoxicology and Environmental Safety, Elsevier; Bio-Protocol; European Journal of Pharmaceutical Sciences, Elsevier; Bioscience Reports Portland Press; Journal of Hazardous Materials, Elsevier; Mitochondrion, Elsevier; Journal of Environmental Science and Health, Part C, Taylor & Francis; Archives of Insect Biochemistry & Physiology, Wiley, Biochimica et Biophysica Acta Elsevier, Cellular and Molecular Life Sciences, Springer; Environmental Pollution, Elsevier; Neurotoxicity Research, Springer; Reviews of Environmental Contamination and Toxicology, Springer, Scientific Reports, Nature;