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Key publications

1. Srivastava T, Tyagi D, Fatima S, Sathyan MTV, Raj R, Sharma A, Chaturvedi M, Sinha M, Shishodia SK, Kumar D, Sharma SK, Shankar J, **Satish A**, Priya S. A natural small molecule-mediated inhibition of alpha-synuclein aggregation leads to neuroprotection in *Caenorhabditis elegans*. *J Neurochem.*, (2023) 1-15, <https://doi.org/10.1111/jnc.15907>
***Co-correspondence**
2. Moin N, Thakur RS, Singh S, Patel DK, Aruna Satish. β -triketone herbicide exposure cause tyrosine and fat accumulation in *Caenorhabditis elegans*. *Chemosphere*, 236 (2023).
3. Nagar Y, Thakur RS, Parveen T, Patel DK, Ravi Ram K, **Aruna Satish**. Toxicity assessment of parabens in *Caenorhabditis elegans*. *Chemosphere*, 231: 207-215 (2020).
4. Bhatti S, Satyanarayana GNV, Patel DK, **Aruna Satish**. Bioaccumulation, biotransformation and toxic effect of fipronil in *Escherichia coli*. *Chemosphere*, 231: 207-215 (2019).
5. Sonane M, Moin N, **Aruna Satish**. The role of antioxidants in attenuation of *Caenorhabditis elegans* lethality on exposure to TiO₂ and ZnO nanoparticles. *Chemosphere*, 187:240-247 (2017)
6. Khare P, Sonane M, Nagar Y, Moin N, Ali S, Gupta KC, **Aruna Satish**. Size dependent toxicity of zinc oxide nano-particles in soil nematode *Caenorhabditis elegans*. *Nanotoxicology*, 9: 423-32 (2015).
7. Ch Ratnasekhar, Sonane M, **Aruna Satish***, Mudiham MKR. Metabolomics reveals the perturbations in the metabolome of *Caenorhabditis elegans* exposed to titanium dioxide nanoparticles. *Nanotoxicology*, 9: 994-1004 (2015). ***Co-correspondence**
8. Satyaki PRV, Cuykendall TN, Wei KH-C, Brideau NJ, Kwak H, **Aruna S**, Ferree P, Shuqing Ji, Barbash DA. The Hmr and Lhr Hybrid Incompatibility Genes Suppress a Broad Range of Heterochromatic Repeats. *PLoS Genet.* 10(3): e1004240 (2014).
9. Khare P, Sonane M, Pandey R, Ali S, Gupta KC, **Aruna Satish**. Adverse effects of TiO₂ and ZnO nanoparticles in soil nematode, *Caenorhabditis elegans*. *J Biomed Nanotechnol.* 7(1):116-117 (2011).

Ph. D AND MASTER STUDENTS

- PhD Supervisor: 04 (Ongoing) + 03 (Completed)
- Masters completed: 17