

1. Name: **Aditi Jana**
2. Designation: **Assistant Professor (WBES, Gr-'A')**
3. Educational qualification: **M.Sc, Ph.D. (Botany)**
4. Teaching experience: **3+ years teaching experience in under graduate**
5. Area of specialization/interest: **Cell biology and genetics**
6. Publication in journals:
  - i. Jana, A., Ghosh, M., De, A., Sinha, S., Jothiramajayam, M., and Mukherjee, A., Comprehensive analysis of fly ash induced changes in physiological/ growth parameters, DNA damage and oxidative stress over the life cycle of Brassica juncea and Brassica alba, *Chemosphere*. doi.org/10.1016/chemosphere.2017.08.023. (Impact Factor: 4.2)
  - ii. Jana, A., Ghosh, M., Sinha, S., Jothiramajayam, M., Nag, A. and Mukherjee, A., 2017. Hazard identification of coal fly ash leachate using a battery of cytogenotoxic and biochemical tests in *Allium cepa*. *Archives of Agronomy and Soil Science*, pp.1-11. (Impact Factor: 2.1)
  - iii. Ghosh, M., Jana, A., Sinha, S., Jothiramajayam, M., Nag, A., Chakraborty, A., Mukherjee, A. and Mukherjee, A., 2016. Effects of ZnO nanoparticles in plants: Cytotoxicity, genotoxicity, deregulation of antioxidant defenses, and cell-cycle arrest. *Mutation Research/Genetic Toxicology and Environmental Mutagenesis*, 807, pp.25-32. (Impact Factor: 2.1)
  - iv. Ghosh, M., Paul, J., Jana, A., De, A. and Mukherjee, A., 2015. Use of the grass, *Vetiveria zizanioides* (L.) Nash for detoxification and phytoremediation of soils contaminated with fly ash from thermal power plants. *Ecological Engineering*, 74, pp.258-265. (Impact Factor: 2.9)
  - v. Chakrabarti, M., Ghosh, I., Jana, A., Ghosh, M. and Mukherjee, A., 2017. Genotoxicity of antiobesity drug orlistat and effect of caffeine intervention: an in vitro study. *Drug and chemical toxicology*, 40(3), pp.339-343. (Impact Factor: 1.2)
  - vi. Adegoke, O.A., Ghosh, M., Jana, A. and Mukherjee, A., 2012. Studies of the interactions of 4-carboxyl-2, 6-dinitrophenylazohydroxynaphthalenes with CT-DNA in aqueous medium. *Journal of Molecular Liquids*, 174, pp.17-25. (Impact Factor: 3.6)
  - vii. Ghosh, M., Sinha, S., Jothiramajayam, M., Jana, A., Nag, A. and Mukherjee, A., 2016. Cyto-genotoxicity and oxidative stress induced by zinc oxide nanoparticle in human lymphocyte cells in vitro and Swiss albino male mice in vivo. *Food and Chemical Toxicology*, 97, pp.286-296. (Impact Factor: 3.5)
  - viii. Sinha, S., Jothiramajayam, M., Ghosh, M., Jana, A., Chatterji, U. and Mukherjee, A., 2015. Vetiver oil (Java) attenuates cisplatin-induced oxidative stress, nephrotoxicity and myelosuppression in Swiss albino mice. *Food and Chemical Toxicology*, 81, pp.120-128. (Impact Factor: 3.5)
  - ix. Jothiramajayam, Manivannan, Sonali Sinha, Manosij Ghosh, Anish Nag, Aditi Jana, and Anita Mukherjee. "Sodium fluoride promotes apoptosis by generation of reactive oxygen species in human lymphocytes." *Journal of Toxicology and Environmental Health, Part A* 77, no. 21 (2014): 1269-1280. (Impact Factor: 2.7)