

1. Name: Aditi Jana
2. Designation: Assistant Professor
3. Educational qualification: M.sc. in Botany
4. Teaching experience: 2.5 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. (Accepted).
 - 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 cyto-genotoxic and biochemical tests in Allium cepa. *Archives of Agronomy and Soil Science*, pp.1-11.
 - 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.
 - 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.
 - 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.
 - 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.
 - 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.
 - 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.
 - 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.
 - x. Mukherjee A., Jana A., De A., Ghosh I and Chakrabarti M (2015). Ecogenotoxicity testing of aquatic environment by comet assay in plants. *Front. Genet. Conference Abstract: ICAW 2015 - 11th International Comet Assay Workshop*. doi: 10.3389/conf.fgene.2015.01.00051