



Satyajit Bhattacharjee
Assistant professor

Centre/School/Special Centre: School of studies of Engineering and Technology

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Qualifications:

M.Tech. (Chemical Engineering)

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B.Tech. (Chemical Engineering)

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Areas of interest:

Waste biomass utilization, Edible coating of fruits and vegetables, Utilization of non-timber forest products (NTFPs) and their value addition.

Work Experience:

Worked as Senior Research fellow at IIT Delhi on the project titled “Development of a Rural bio-resource complex in tribal districts of Odisha for primary processing and value addition of horticulture and non-timber forest produce.”

Recognitions:

Bhattacharjee, Satyajit, Dibyajyoti Haldar, Mriganka Sekhar Manna, Kalyan Gayen, and Tridib Kumar Bhowmick. "Cover Image, Volume 138, Issue 15." Journal of Applied Polymer Science 138, no. 15 (2021): 50497.

Publications:

1. Dey, Puspita, Satyajit Bhattacharjee, Dev Kumar Yadav, Baby Zaithanpuii Hmar, Kalyan Gayen, and Tridib Kumar Bhowmick. "Valorization of waste biomass for synthesis of carboxy-methylcellulose as a sustainable edible coating on fruits: A review." *International Journal of Biological Macromolecules* (2023): 127412.
2. Gupta, Achala, Satyajit Bhattacharjee, and Jatindra K. Sahu. "Sustainable Utilization of Non-Timber Forest Produce-A Way Forward for Empowering Tribal Communities." *Agricultural Engineering Today* 46, no. 4 (2022): 60-62.
3. Bhattacharjee, Satyajit, Dibyajyoti Haldar, Mriganka Sekhar Manna, Kalyan Gayen, and Tridib Kumar Bhowmick. "A sustainable approach to enhance fruit shelf-life: Edible coating from pineapple fruit waste biomass." *Journal of Applied Polymer Science* 138, no. 15 (2021): 50388.

Conference:

1. Satyajit Bhattacharjee, Tridib Kumar Bhowmick, Mriganka Sekhar Manna, Kalyan Gayen, "Fruit and vegetable coating from waste bio-mass: A sustainable approach" in the 7th Bio Processing of India Conference on 14th to 16th December, 2019 at Central Food Technological Research Institute (CFTRI), Mysore