

Dr. Dibyajyoti Haldar's Profile



Dr. Dibyajyoti Haldar, M.Tech, Ph.D

NAME with Qualification

DESIGNATION: Assistant Professor

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Date of joining: 08.09.2021

Academic Background

Degree	University/Institute	Year
Postdoc in Biochemical Engineering	Indian Institute of Technology Guwahati	2021
Ph.D in Biochemical Engineering	National Institute of Technology Agartala	2018
M.Tech in Environmental Science and Technology	National Institute of Technology Durgapur	2013

Degree	University/Institute	Year
B.Tech in Biotechnology	Aarupadai Veedu Institute of Technology Chennai	2009

Courses Taught

NA

Research Interests

- Lignocellulosic Bioprocessing
- Enzyme Technology
- Conversion of waste residues into value-added products
- Micro and nanocrystalline cellulose

MOST RECENT PUBLICATIONS

- Banhisikha Debnath, **Dibyajyoti Haldar** and Mihir Kumar Purkait. (2021) A critical review on the techniques used for the synthesis and applications of crystalline cellulose derived from agricultural wastes and forest residues, *Carbohydrate Polymers (Elsevier)*, **IF=9.381**, 273, 118537.
- Banhisikha Debnath, **Dibyajyoti Haldar** and Mihir Kumar Purkait. (2021) Potential and sustainable utilization of tea waste: A review on present status and future trends, *Journal of Environmental Chemical Engineering (Elsevier)*, **IF=5.909**, 9 (5), 106179.
- Satyajit Bhattacharjee, **Dibyajyoti Haldar**, Mriganka Sekhar Manna, Kalyan Gayen and Tridib Kumar Bhowmick. (2021) A sustainable approach to enhance fruit shelf-life: Edible coating from pineapple fruit waste biomass, *Journal of Applied Polymer Science (John Wiley & Sons, Inc.)*, **IF=3.125**, 138 (15), 50497.
- **Dibyajyoti Haldar** and Mihir Kumar Purkait. (2021) A review on the environment-friendly emerging techniques for pretreatment of lignocellulosic biomass: Mechanistic insight and advancements, *Chemosphere (Elsevier)*, **IF=7.086**, 264, 128523, Citations: 23.

- Prangan Duarah, **Dibyajyoti Haldar** and Mihir Kumar Purkait. (2020) Technological advancement in the synthesis and applications of lignin-based nanoparticles derived from waste agricultural residues: A review, *International Journal of Biological Macromolecules (Elsevier)*, **IF=6.953**, 163, 1828-1843. Citations: 7.