

This file has been cleaned of potential threats.

If you confirm that the file is coming from a trusted source, you can send the following SHA-256 hash value to your admin for the original file.

4d6454f82b1e36130932644680a4b1fcc09a834fd66c6a1e1eb199bb370b5694

To view the reconstructed contents, please SCROLL DOWN to next page.

Dr. Satya Sundar Mohanty's Profile



Satya Sundar Mohanty M.Tech., Ph.D., Post Doc

Assistant Professor, Department of Biotechnology

School of Agriculture and Biosciences, KITS

Email: satyasundar@karunya.edu, satyasundarmohanty88@gmail.com

Mobile No: +91-8895528225

ORCID: 0000-0003-2378-2650

SCOPUS ID: 57194607685

Date of Joining KITS: 05.07.2021

Academic Background

Degree	University	Year
Postdoc	Indian Institute of Technology Guwahati	2022-24
Ph.D	National Institute of Technology Rourkela – Department of Chemical Engineering	2020

Degree	University	Year
M.Tech	National Institute of Technology Rourkela – Department of Biotechnology & Medical Engineering	2012
B.Tech	ICFAI University, Dehradun – Department of Biotechnology	2012

Courses Taught

- Bioprocess Calculations
- Enzyme Technology
- Biochemical Thermodynamics
- Molecular medicine
- Stoichiometric Calculations

Research Interests

- Environmental Biotechnology
- Algae Technology
- Waste Water Treatment and Valorization
- Recombinant DNA Technology

MOST RECENT PUBLICATIONS

- **S. S. Mohanty**, & K. Mohanty (2023). Valorization of *Chlorella thermophila* biomass cultivated in dairy wastewater for biopesticide production against bacterial rice blight: A circular biorefinery approach. *BMC Plant Biology*, 23, 644 <https://doi.org/10.1186/s12870-023-04579-z>
- **S. S. Mohanty**, & K. Mohanty (2023). Production of a wide spectrum biopesticide from *Monoraphidium* sp. KMC4 grown in simulated dairy wastewater. *Bioresource Technology*, 374, 128815 <https://doi.org/10.1016/j.biortech.2023.128815>
- **S. S. Mohanty**, & H. M. Jena (2022). Biodegradation of Herbicide by the Immobilized Microbial Consortium SMC1 in Continuous Packed-Bed Biofilm Reactor. *Frontiers in Chemical Engineering* <https://doi.org/10.3389/fceng.2022.721923>
- **S. S. Mohanty**, & A. P. Das (2021). A Systematic Study on the Microbial Degradation of Glyphosate: A Review. *Geomicrobiology Journal*. <https://doi.org/10.1080/01490451.2021.1998255>

- **S. S. Mohanty**, & H. M. Jena (2021). Mass Transfer Study of Butachlor Biodegradation Using Immobilized Microbial Consortium SMC1 in a Packed Bed Bioreactor. *The Canadian Journal of Chemical Engineering*. <https://doi.org/10.1002/cjce.24118>

Memberships in Professional Bodies

- Biotech Research Society India
- Australasian Practical Zero-Emissions Society