



Dr. Swati Mohapatra

Assistant Professor, Microbiology

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School of Science Building

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Education

Post Doctorate (Biotechnology) – Indian Institute of Technology, Roorkee (IITR) 2018

Ph.D. (Microbiology)- Orissa University of Agriculture and Technology (OUAT) 2015

Key Skills

- Biopolymer Technology
- Development of novel Biomarker for influenza virus
- Bioprospecting of microbial lipid ester in biomedical & agricultural application
- Conversion of waste to green energy
- Developing novel antimicrobial therapeutics by exploring multi enzyme targets

Background

- Joined GSFC University in January 2022.
- Research Professor at WKU Medical University, South Korea, in January 2021 -2022
- Asst. Professor at Amity University, Noida from September 2018 to January 2021
- Junior scientist/post doctorate at IIT Roorkee from June, 2016 to September, 2018.

Accomplishments

Dr. Swati Mohapatra is an Assistant professor in Microbiology department, School of Science, GSFC University. Her area of interest includes Microbiology, Industrial processing, Virology, Reverse genetics, Bio-polymer science. She has 8 years of Teaching and Research Experience. She has achieved young scientist award during her Ph.D.; till date she is having more than 1700 google citation. She has received fellowship grant from National research foundation; South Korea for pursuing Research Professor position at WKU, she has also awarded from Ministry of Human Resource Development, Govt. of India for pursuing as a postdoctoral fellow. She has published 46 SCI research article publications, 12 international Book chapters, 1 Book in international Publisher. After joining GSFC University with in 1.5 years she has published 6 research article and book chapters in the name of GSF University.

Most Three Notable Publications

1. Swati Mohapatra et. Al., PHAs production by facultative anaerobic bacteria *Bacillus cereus* FM5 through submerged and solid state fermentation under anoxic condition. *Antonie van leeuwenhoek journal*

2. Swati Mohapatra, D. P. Samantaray, S. M. Samantaray, B. B. Mishra, S. Das, S. Majumdar, S. K. Pradhan, S. N. Rath, C. C. Rath, J. Akthar, G. Achary,: Structural and thermal characterization of PHAs produced by *Lysinibacillus* sp. through submerged fermentation process. *International journal of Biological Macromolecules*. <http://dx.doi.org./10.1016/j.ijbiomac.2016.09.077>.

3. S. Pattnaik, D. Dash, Swati Mohapatra, M. Pattnaik, A. K. Marandi, S. Das, D. P. Samantaray; Improvement of rice plant productivity by native Cr(VI) reducing and plant growth-promoting soil bacteria *Enterobacter cloacae*. *Chemosphere* (2020) 124895. [Doi.org/10.1016/j.chemosphere.2019.124895](http://dx.doi.org/10.1016/j.chemosphere.2019.124895).