Name: Divya Mudgil

Research Group & Mentor: Microbial Pathogenesis; Dr Ramakrishnan Sitaraman

Co-Supervisor: Dr Sanjukta Subudhi, Microbial Biofuels & Biochemicals (TERI Delhi)

Fellowship Holder/Designation: Research Associate

Additional Information:

Research Interest: Bioprocess Engineering; Biofuel and Bioenergy: Waste to fuel and bio-based chemicals, waste valorization, consortium design and strategic development of fermentation technology, Purification and characterization.

Research Publications:

1. Utilization of agricultural waste biomass and recycling toward circular bioeconomy. P Kumar Sarangi, S Subudhi, L Bhatia, K Saha, D Mudgil; 2023 Environmental Science and Pollution Research 30 (4), 8526-8539
2. Hybrid extraction distillation for downstream purification of 2, 3-butanediol, and ethanol from fermentation broth. PM Gawal, D Mudgil, S Subudhi ; 2023 Bioresource Technology Reports 24, 101649
3. Biomethanol production from renewable resources: a sustainable approach S Subudhi, K Saha, D Mudgil, PK Sarangi, RK Srivastava, MK Sarma; 2023 Environmental Science and Pollution Research, 1-17
4. Yeast as a cell factory for fermentative production of ethanol from xylose S Subudhi, D Mudgil, K Saha, P kumar Sarangi, P Pal; 2024 Journal of the Taiwan Institute of Chemical Engineers, 105616
5. 12 Biological Production K Saha, D Mudgil, S Subudhi, A Srivastava, N Adlakha Biomass for Bioenergy and Biomaterials, 327
6. Chapter : Biological Production of Diols- Current Perspectives K Saha, D Mudgil, S Subudhi, A Srivastava, N Adlakha; 2021 Biomass for Bioenergy and Biomaterials, 327
7. . In Silico Promter Prediction in Chromosome 10th of Sorghum Bicolor D Mudgil, B Chhettri, S Khurana, D Singhal; 2017

8. Bioethanol Production by Cofermentation of Hexose and Pentose from Algal Feedstock using Pichia Stiptis and Candida Shehatae. D. Mudgil 2018