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**Publications and Conferences**

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## PUBLICATIONS AND CONFERENCES

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### 1. LIST OF PUBLICATIONS

- I. **Siddhi Jaiswal**, Gitanjali Pradhan, and Yogesh Chandra Sharma. "Green and facile synthesis of glycerol carbonate from bio-glycerol assisted by lithium titanate: A robust and selective heterogeneous catalyst." *Journal of the Taiwan Institute of Chemical Engineers* 128 (2021): 388-399.
- II. **Siddhi Jaiswal**, Shalini Sahani, and Yogesh Chandra Shar. "Enviro-benign synthesis of glycerol carbonate utilizing bio-waste glycerol over Na-Ti based heterogeneous catalyst: Kinetics and E-metrics studies." *Journal of Environmental Chemical Engineering* 10, no. 3 (2022): 107485.
- III. **Siddhi Jaiswal**, and Yogesh Chandra Sharma. "Ni modified distillation waste derived heterogeneous catalyst utilized for the production of glycerol carbonate from a biodiesel by-product glycerol: Optimization and green metric studies." *Waste Management* 156 (2023): 148-158.
- IV. Gitanjali Pradhan, **Siddhi Jaiswal**, and Yogesh C. Sharma. "Enviro-economical benign synthesis of glycerol carbonate from biowaste glycerol using industrial waste pond ash catalyst." *Environmental Technology & Innovation* 23 (2021): 101568.
- V. Gitanjali Pradhan, **Siddhi Jaiswal**, and Yogesh C. Sharma. "Exploring the promotional effect of transition metals (Cr and V) on the catalytic activity of MgO for glycerol carbonate synthesis." *Molecular Catalysis* 526 (2022): 112332.
- VI. **Siddhi Jaiswal**, and Yogesh Chandra Sharma. "Studies on influence of support on the production of glycerol carbonate using Mg/MnO<sub>2</sub> and Mg/CuO catalysts" (communicated)



## 2. LIST OF CONFERENCES PRESENTATIONS

- I. Oral presentation on 26th international conference on Advance in chemistry and Chemical technology, INTERNATIONAL ACADEMY OF PHYSICAL SCIENCES, (CONIAPS XXVI) 18 -20 December 2020 (**Best paper award**)
- II. Poster presentation in Research and Industrial Conclave Integration 2022, IIT Guwahati 20 -23 January 2022, (**Second Prize**)
- III. Oral presentation in VI ISEES International Conference on Sustainable Energy and Environmental Challenges, IIT Kanpur 27 – 29 December 2021
- IV. Oral presentation in Indo- Norwegian International Online Conference on Functional materials for energy, environment, and biomedical applications (FARAON - 2022) 02-04, February 2022
- V. Participated in 8<sup>th</sup> Interdisciplinary symposium on material chemistry (ISMC - 2020) BARC Mumbai.
- VI. Poster Presentation at International Conference on Advanced materials for better tomorrow (ABMT - 2021) IIT BHU Varanasi. 13 – 17 July 2021.