

## PUBLICATIONS

- [1] **B. Singh**, P. Kumar, Physicochemical characteristics of hazardous sludge from effluent treatment plant of petroleum refinery as feedstock for thermochemical processes, Journal of Environmental Chemical Engineering, (2020) 103817, <https://doi.org/10.1016/j.jece.2020.103817>.
- [2] **B. Singh**, P. Kumar, Pre-treatment of petroleum refinery wastewater by coagulation and flocculation using mixed coagulant: Optimization of process parameters using response surface methodology (RSM), Journal of Water Process Engineering, 36 (2020) 101317, <https://doi.org/10.1016/j.jwpe.2020.101317>.
- [3] **B. Singh**, S. Singh, P. Kumar, In-depth analyses of kinetics, thermodynamics and solid reaction mechanism for pyrolysis of hazardous petroleum sludge based on isoconversional models for its energy potential, Process Safety and Environmental Protection, 146 (2021) 85-94, <https://doi.org/10.1016/j.psep.2020.08.038>.
- [4] **S. Bineeta**, K.V. Ashok, K. Pradeep, Catalytic thermolysis treatment of petroleum refinery wastewater collected from effluent treatment plant, International Journal of Chemical Reactor Engineering, 18 (2020) 20190210, <https://doi.org/10.1515/ijcre-2019-0210>.
- [5] **B. Singh**, P. Kumar, Comprehensive characterization of organic contaminants present in petroleum refinery wastewater by LCMS analysis, Journal of Chemical & Engineering Data. (Under Review)

## WORKSHOPS AND CONFERENCES ATTENDED

- [1] **Chemicon2015**, 68<sup>th</sup> Annual Session of India Institute of Chemical Engineers, paper presentation IIT Guwahati during Dec 27<sup>th</sup> to 30<sup>th</sup> 2015.
- [2] Participated as a delegate in 73<sup>rd</sup> Annual Convention and International Conference of the **OTAI, 2018**.
- [3] Volunteer in a workshop **INSPIRE-2017** organized by **IIT BHU, Varanasi**.
- [4] **Workshop on** “Emerging concepts in Municipal Wastewater Treatment” 2018, December 17 – 21, Department of Civil Engineering, NIT Patna.