

LIST OF JOURNAL / CONFERENCE PUBLICATIONS

List of Journal Publications:

Gaurh P., and Pramanik H., “A novel approach of solid waste management via aromatization using multiphase catalytic pyrolysis of waste polyethylene,” *Waste Management*, 71 (2018) 86–96.

Gaurh P., and Pramanik H., “Production of benzene/toluene/ethylbenzene/xylene (BTEX) via multiphase catalytic pyrolysis of hazardous waste polyethylene using low cost fly ash synthesized natural catalyst,” *Waste Management*, 77 (2018) 114–130.

Gaurh P., and Pramanik H., “Production and characterization of pyrolysis oil using waste polyethylene in a semi batch reactor,” *Indian Journal of Chemical Technology*, 25(4) (2018) 336-344.

Gaurh P., and Pramanik H., “Thermal and catalytic pyrolysis of plastic waste polypropylene for recovery of valuable petroleum range Hydrocarbon,” *International Journal of Research in science & engineering*, 2(3) (2018) 1-6.

List of Conference Publications:

Gaurh P., and Pramanik H., “Studies on Pyrolysis of Plastic Wastes Polyethylene to Valuable Hydrocarbons to Minimize Plastic Wastes Load to Environment”, 66th Annual session of IChE, Chemcon 2013, Mumbai, Dec 27-30, 2013.

Gaurh P., and Pramanik H., “Design Modification in Reactor for Pyrolysis of Polyethylene for Liquid Hydrocarbon Production” 68th Annual session of IChE, Chemcon 2015, Guwahati, Dec 27-30, 2015.

Gaurh P., and Pramanik H., “Production, Characterization and Fuel Properties of Renewable Petrochemicals From Pyrolysis Of Waste Plastic Polystyrene” 69th Annual

session of IChE, Chemcon 2016, Chennai, Dec 27-30, 2016. (**AWARDED BEST PAPER**)

Gaurh P., and Pramanik H., “Thermal and catalytic pyrolysis of plastic waste polypropylene for recovery of valuable petroleum range hydrocarbon, 70th Annual session of IChE, Chemcon 2017, Haldia, West Bengal, Dec 27-30,2017.