

Dr. Yogesh C. Rotliwala

Yogesh C. Rotliwala is a Professor of Chemical Engineering at Gujarat Technological University, Ahmedabad, Gujarat, India. He is acting as a Principal at Pacific School of Engineering, Surat, Gujarat. He has obtained his Ph.D. (year 2011) in Chemical Engineering from V.N. South Gujarat University, Gujarat where he has done research on resource recovery from co-pyrolysis of de-oiled coke of Jatropha and polyolefin under the guidance of Prof. Parimal Parikh, Professor, SVNIT, Surat, India. His research focus is on developing thermal co-pyrolysis process (mainly biomass and plastics) for the production of renewable liquid fuels and chemicals. He has authored over 25 research papers in peer-reviewed publication including, conferences. In the year 2011, he has received research grant of Rs.2.4 lacs for development of batch pyrolyser, which can be utilized for the production of liquid fuel from waste plastics. Ministry of New & Renewable Energy (MNRE), New Delhi has awarded him two consecutive research grants of Rs.19 lacs and 15 lacs for the year 2012 and 2015, respectively for establishment of proof of concept and effect of plastics as a second material along with biomass during co-pyrolysis for the reduction of oxygenates in biomass derived bio-oil. Also, Science and Engineering Research Board (SERB), DST, New Delhi has sanctioned travel grant (September 2012) for him to attend conference on waste to fuel, Connecticut, USA. He has filled one patent focused on co-pyrolysis technique. He has received National Award (Year 2015) from Ministry of Chemicals and Fertilisers, New Delhi for representing innovating technology for recycling of waste plastics. Moreover, he has acquired National award (Year 2014) from Indian Society of Technical Education (ISTE), New Delhi for outstanding contribution in the field of renewable energy. He holds the “Noel Deerr Gold Medal 2010” sponsored by Sugar Technologists Association of India and “Best Technologist Award 2016” by Ankleshwar regional Chapter, Indian Institute of Chemical Technology (IChE). Moreover, he has been honored with “Innovation to Impact Award 2017” by Gujarat Technological University (GTU), Ahmedabad for “Research and commercial implementation on plastics waste management”. Beyond his extensive research success, he has been fortunate to obtain a wide range of teaching experiences, included teaching assistant, instructor, and mentor. Under his supervision, more than 400 environmental audits have been carried out for the various industries of the Gujarat state, India.