

Name: T. Raja
Division: Catalysis Division
Email: t.raja@ncl.res.in
Phone: 020-2590-2006
Fax: 020-2590-2633



- Education and experience
- PhD in Physical Chemistry (Catalysis)
 - Post-doctoral Studies: The Department of Materials Science and Engineering, Gifu University, Gifu-Japan (As JSPS Fellow)
 - The laboratoire de matériaux catalytiques et catalyse en chimie Organique, UMR-5618, ENSCM-CNRS, 8, Rue de l'École Normale, 34296, Montpellier, FRANCE.
 - Experience in fixed bed and batch reactors system
 - Experience in higher pressure reaction setup, Material Chemistry, Structural Characterization of materials, Heterogeneous Catalysis
- Achievements
- NCL – Research Foundation Director's commendation Award 2009 (Biodiesel)
- Research subjects:
- Physical Chemistry
 - Heterogeneous Catalysis
 - Utilization of alkanes to value added chemicals
- Research Areas
- Catalyst : Synthesis and characterization of Layered Double Hydroxides, supported metal nanostructures and solid bases
 - Catalysis : Selective Oxidation reactions, Dehydrogenation reactions, Oxidative dehydrogenation reactions
 - Utilization of CO₂ as soft oxidant
 - Utilization of Syngas to Chemicals like DME etc...
 - Esterification and transesterification reactions (Biofuels)
- Recent publications
- W.Fang, Cyril Pirez, Mickaël Capron, Sébastien Paul, T.Raja, P.L.Dhepe, F.Dumeignilabe and Louise J –Duhamel; RSC Adv., 2,(2012), 9626
 - Edwin S. Gnanakumar, Jino C. John, Thirumalaiswamy Raja, Chinnakonda S. Gopinath, Journal of Nanoscience and Nanotechnology, Accepted, October (2012)
 - D.Srinivas, W.F. Hoelderich, T.Raja, L.Saikia, R.Hinze, Journal of Catalysis 259, (2008), 165