



Name: Mohan Raj Mani

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Contact Info

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Current Research Interests

- Synthesis & characterization of metal-oxide nanoparticles
- Nanoparticle based Nucleating agents for Polypropylene
- Structure & morphology of Polypropylene

Education

- B. Sc. Chemistry (2002)(Bharathidasan University, Tiruchirappalli)
- M.Sc. Chemistry (2004)(Bharathidasan University, Tiruchirappalli)

Awards/Achievements

- CSIR-SRF (Jan-2011)
- CSIR-NET – Lectureship (Dec-2009)
- GATE 2009, 2010
- Best Poster – NCL National Science day 2011

Research Experience

- Separation of heavy metals (Pd, Ag, etc) from High level liquid waste (HLLW) comes out from the nuclear power plants using liquid- liquid extraction technique
- Synthesis & Characterization of Inorganic metal complexes

Publications

- **M. Mohan Raj**, A. Dharmaraja, S. Jose Kavitha, K. Panchanatheswaran and D.E. Lynch, Mercury(II) – methylene blue interactions: complexation and metallate formation. *Inorganica Chimica Acta*, **2007**, 360, 1799-1808
- **M. Mohan Raj**, A. Dharmaraja, K. Panchanatheswaran, K.A. Venkatesan, T.G. Srinivasan and P.R. Vasudeva Rao, Extraction of fission palladium (II) from nitric acid by BMTTP *Hydrometallurgy*, **2006**, 84, 118-124 (BMTTP-benzoylmethylenetriphenylphosphorane)
- S. Jose Kavitha, **M. Mohan Raj**, K. Panchanatheswaran and D.E. Lynch, 3,7-Bis-(dimethylamino)phenothiazin-5-ium nitrate dihydrate, *Acta Cryst*, **2004**, E60, o1367-o1369
- Syndiotactic Polystyrene-Solvent complex: A Study on the Effect of Solvent Type **M. Mohan Raj**, C. Ramesh and E. Bhoje Gowd (Manuscript in preparation)