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Recent publications (Names of latest five)

1. Chira R. Bhattacharjee, Gobinda Das and **Paritosh Mondal** N. V. S. Rao, Novel photoluminescent hemi-disclike liquid crystalline Zn(II) complexes of [N₂O₂] donor 4-alkoxy substituted salicyldimine Schiff base with aromatic spacer, *Polyhedron* 2010 (in press)
2. **Paritosh Mondal**, Structure, Location and reactivity of Titanium and Tin in MFI Zeolite: A density functional study, *Assam University Journal of Science and Technology: Physical Science and Technology* 6 (2010) 134-143.
3. Chira R. Bhattacharjee, Pankaj Goswami and **Paritosh Mondal**, Synthesis, Structural characterization, and DFT studies of new mixed-ligand iron(III) Schiff-base complexes, *Journal of Coordination Chemistry* 63 (2010) 2002-2011.
4. Ramesh C. Deka, **Paritosh Mondal**, Ajanta Deka, and Akira Miyamoto, DFT based reactivity descriptors to predict the influence of alkali cations on the Bronsted acidity of zeolites, *Bull. Catal. Soc. India* 8 (2009) 140-155.
5. **Paritosh Mondal**, K.K. Hazarika, A. Deka and R. C. Deka, Density functional studies on Lewis acidity of alkaline earth metal exchanged faujasite zeolite, *Molecular Simulation*, 34 (2008) 1121-1128.