

Research Publication and Poster

Publication:

1. **Sumanta Gupta**, Bhaskar Ganguly and Sajal Das: “A straight forward synthesis of 4-aryl substituted 2-quinolone via Heck reaction” *RSC Adv.*, **2014**, DOI: 10.1039/C4RA06284A.
2. **Sumanta Gupta**, Prasanjit Ghosh, Seema Dwivedi and Sajal Das: “Synthesis of 6-aryl substituted 4-quinolones via Suzuki cross coupling” *RSC Adv.*, **2014**, *4*, 6254-6260.
3. **Sumanta Gupta**, Basudeb Basu and Sajal Das: “Benzimidazole-based palladium-*N*-heterocyclic carbene: a useful catalyst for C-C cross-coupling reaction at ambient condition” *Tetrahedron*, **2013**, *69*, 122-128.

Publication: (Not related to the Thesis)

1. **Sumanta Gupta**, Amritendu Chatterjee, Sajal Das, Basudeb Basu and Bijan Das: “Electrical Conductances of 1-Butyl-3-propylimidazolium Bromide and 1-Butyl-3-propylbenzimidazolium Bromide in Water, Methanol, and Acetonitrile at (308, 313, and 318) K at 0.1 MPa” *J. Chem. Eng. Data*, **2013**, *58*, 1-6.
2. Mrinmoy Guria, Prasenjit Mitra, Tanaya Ghosh, **Sumanta Gupta**, Basudeb Basu and Prasanta Kumar Mitra: “3, 4-diHydroxyBenzoic acid Isolated from the Leaves of *Ageratum conyzoides* L” *Eur. J. Biotech. Biosc.*, **2013**, *1*, 25-28.
3. Barnali Paul, Prasenjit Mitra, Tanaya Ghosh, Ravinernath Salhan, Takhelmayum Amumachi Singh, Amit Chakrabarti, **Sumanta Gupta**, Basudeb Basu and Prasanta Kumar Mitra: “Isolation and Structural Determination of an Anti Bacterial Constituent from the Leaves of *Cassia alata* Linn” *J. Pharmacog. Phytochem.*, **2013**, *2*, 326-333.

Poster Representation:

1. **S. Gupta**, B. Kar, S. Bardhan, P. Ghosh, B. Ganguly, S. Das*, “*Additive Free Homocoupling Reaction in Microemulsion at Ambient Condition*”; 15th CRSI National Symposium in Chemistry, 2013, Department of Chemistry, Banaras Hindu University, India.
2. **S. Gupta**, S. Das*, “*Synthesis of Air Stable Pd-NHC Complexes & Its Application towards C-C Cross-coupling Reactions at Ambient Conditions*”; 13th CRSI National Symposium in Chemistry, 2011, NISER, Bhubaneswar, India.