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Subjects Organic Chemistry

Education and experience

- Ph. D Emory University (USA) Prof. L. S. Liebeskind
- Post-Doc Purdue University (USA) Prof. Ei-ichi Negishi (Nobel Laureate)
- Research Specialist – NMSU (USA) Prof. J. W. Herndon
- Scientist – NCL, 1991 – to date
- Research Scientist – PIL, Thane
- Research Assistant – ERDL, Pune, Ciba – Geigy, Bombay

Achievements

- Guided Ph. D s – 3 University of Pune
- Publications in International and National Journals
- Guided 8 - M. Sc Projects – Summer Research – Pune University
- Project Leader 2 DST Projects and 2 NCL Inhouse Projects

Research Area

- Organometallic catalysis – Organic synthetic methodologies
- Catalysis of Heck reaction, Suzuki coupling – New catalysts and ligands, Nitrogen ligands in organometallic catalysis, Organo Pd, Ni, Mn chemistry,
- Metal nitrenes and synthetic applications – N - heterocycles
- Catalytic transfer hydrogenation, Asymmetric induction – Racemic catalysis in CTH

Recent publications

- Mizoroki Heck reaction, Iyer, S.; Girish M. Kulkarni, C. Ramesh Tetrahedron, 2004, 60 (9), 2163
- Nitrogen ligands – Suresh Iyer, Girish M. Kulkarni, C. Ramesh, Aruna K. Sattar Ind. J. Chem. Sec. B, 2005, 44B, 1894
- γ -lactams. Iyer, S.; Ramesh, C.; Kulkarni, G. M. Synlett., 2001, (8), 1241
- Acetylferrocenyl oxime Pdcycle. Iyer, S.; Jayanthi. A. Tet. Lett., 2001, 42 (44), 7877
- Saturated NHC – Iyer, S.; Jayanthi. A. Synlett., 2003, 8, 1125