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Research Interests:

Total synthesis of biologically active compounds & Medicinal chemistry

- Ph.D., University of Hyderabad, 2000 (Advisor: Professor Goverdhan Mehta).
- Post-doctoral with Profs. Sergey A. Kozmin (University of Chicago, USA) and Prof. Jeffrey Aubé (University of Kansas, USA)
- Experienced in leading drug discovery programs (Dr. Reddy's & TATA Advinus – 7 years of pharma experience)
- Acquired skills in designing novel small molecules and lead optimization
- Experienced in planning and execution of total synthesis of biologically active molecules with moderate complexity
- One of the molecules is currently in human clinical trials.

Recent publications & Patents:

- *Org. Lett.* 2013, 16, ASAP article
- *J. Org. Chem.* 2013, 78, 8149
- *J. Org. Chem.* 2013, 78, 6281
- *Org. Lett.* 2013, 15, 1894
- *Chem. Commun.* 2013, 49, 3242
- *Org. Lett.* 2012, 14, 6222
- *Org. Biomol. Chem.* 2012, 10, 5385
- *J. Diabetes Metab.* 2013, ASAP article
- *Tetrahedron Lett.*, 2012, 53, 6343
- *RSC. Adv.* 2012, 2, 3596
- *Org. Lett.* 2011, 13, 3690
- *Tetrahedron Lett.* 2011, 33, 4313
- *Bioorg. Med. Chem. Lett.* 2011, 21, 4913
- *J. Org. Chem.* 2011, 76, 963
- *Org. Biomol. Chem.* 2011, 9, 744
- WO 2013054366 A1
- WO 2013054275 A1
- US 8163704B2/2012
- WO 2011/048112A2
- WO 2011/048148A2
- US 2011/0171159A1
- US 2011/0269700A1
- US 2011/0230403A1