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Subjects	Organic Chemistry

Education and experience

- Ph. D. (2006), NIIST-CSIR (Formerly RRL), *mentor*: Dr. G. Vijay Nair
- Post-doctoral fellow (2007-2008), National Taiwan University, Taiwan, *mentor*: Prof. Tien-Yau Luh
- Alexander von Humboldt Post-doctoral fellow (2008-2011), University of Münster, *mentor*: Prof. (Dr.) Frank Glorius

Achievements

- OPPI Young Scientist Award (2012)
- Alexander von Humboldt post-doctoral fellowship (2009)
- Fellowship of the National Science Council, Taiwan (2007)
- CSIR Junior Research Fellowship (2001)

Research Area

- Aryne Chemistry, Asymmetric Catalysis, Dual-Catalysis
- Organocascade Catalysis, N-Heterocyclic Carbenes

Recent publications

- Kaicharla, T.; Yetra, S. R.; Roy, T.; Biju, A. T. Engaging isatins in solvent-free, sterically congested Passerini reaction. *Green Chem.* **2013**, *15*, DOI:10.1039/C3GC40454D.
- Yetra, S. R.; Bhunia, A.; Patra, A.; Mane, M. V.; Vanka, K.; Biju, A. T. Enantioselective NHC-Catalyzed Annulations of 2-Bromoenals with 1,3-Dicarbonyl Compounds and Enamines *Adv. Synth. Catal.* **2013**, *355*, 1089.
- Bhunia, A.; Patra, A.; Puranik, V.; Biju, A. T. NHC-Catalyzed Reaction of Enals with Hydroxy Chalcones: Diastereoselective Synthesis of Functionalized Coumarins. *Org. Lett.* **2013**, *15*, 1756.
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- Bhojgude, S. S.; Kaicharla, T.; Bhunia, A.; Biju, A. T. A Practical and General Diels-Alder Reaction of Pentafulvenes with Arynes. *Org. Lett.* **2012**, *14*, 4098.
- Bhunia, A.; Yetra, S. R.; Bhojgude, S. S.; Biju, A. T. Efficient Synthesis of γ-Keto Sulfones by NHC-Catalyzed Intermolecular Stetter Reaction. *Org. Lett.* **2012**, *14*, 2830.
- Bhunia, A.; Yetra, S. R.; Biju, A. T. Recent Advances in Transition-Metal-Free Carbon-Carbon and Carbon-Heteroatom Bond-Forming Reactions Using Arynes. *Chem. Soc. Rev.* **2012**, *41*, 3140.