

## Studies in the syntheses of some 2- and 3-heterylindoles



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### Education

- MSc Chemistry (2001) and PhD (2005), Jawaharlal Nehru Technological University, Hyderabad. Ph.D thesis "Studies in the syntheses of 2- and 3-heterylindoles, 2005 under the supervision of Dr P K Dubey
- Associate Scientist, GVK Biosciences Pvt. Ltd., Hyderabad, India. 2006-7
- Research Scientist-II, Advinus Therapeutics, Bangalore, India. 2007-8.
- Current position: Lee Group Post-doctoral Fellow, Hope College, MI.

### Presentations From Ph.D Work

\* Presented a Poster in Organic Section at "38th Annual Convention of Chemists (Indian Chemical Society) meeting", held at Jodhpur, India from December 26-29, 2001.

\*Presented a Poster in Organic Section at National Seminar on *Microwave mediated synthesis of biologically active (heterocyclic) compounds (Enviro friendly Chemistry)*", held at Lucknow, India from December 6-12, 2002.

\*Presented a Poster in Organic Section at "90th Indian Science Congress", held at Bangalore, India from January 3-7, 2003.

\*Attended a short-term quality improvement programme on *Organometallic Chemistry & Catalysis*", conducted by Indian Institute of Science (IISc), Bangalore, India from September 2-7, 2003.

### Publications From PhD Work and Side Projects

1. Synthesis of benzimidazolyindoles using Fischer's Indole method", P.K. Dubey and **Balaji Babu**, Indian J. Chemistry 2007, 46B, 823.
2. Synthesis of some 2-heterylsubstituted indoles", P.K. Dubey and **Balaji Babu**, Indian J. Heterocyclic Chem. 2007, 16, 357.
3. Asymmetric sulfoxidation of prochiral sulfides using aminoalcohols derived chiral C3-symmetric trinuclear vanadium Schiff base complexes", Paulsamy Suresh, Sankareswaran Srimurugan, **Balaji Babu** and Hari N. Pati, Tetrahedron Asymmetry, 2007, 18, 2820.
4. Unusual Detritylation of Tritylated Tetrazole in Sartan Molecules", Sankareswaran Srimurugan, Paulsamy Suresh, **Balaji Babu**, Salmara Ganeshbhat Hiriyanna and Hari N. Pati, Chem. Pharm. Bull., 2008, 56, 383.
5. Synthesis of some acetylene tethered chiral and achiral dialdehydes", Paulsamy Suresh, Sankareswaran Srimurugan, **Balaji Babu** and Hari N. Pati, Acta Chimica Slovenika, 2008, 55, 453.
6. Srimurugan, S., P. Suresh, **Balaji Babu** and H. N. Pati, Chiral macrocyclic Schiff bases: An overview. Mini reviews in Organic Chemistry, 2008, 5, 228.

**Credits: Dr P K Dubey and Professor Moses Lee**