

Pandur Venkatesan Balaji | *Curriculum Vitae*

Postdoctoral Researcher
Prof. Benjamin List Group
Institute for Chemical Reaction Design and Discovery (WPI-ICReDD)
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Education

Postdoctoral fellow	Institute for Chemical Reaction Design and Discovery (WPI-ICReDD) Hokkaido University, Sapporo Advisor: Prof. Benjamin List	Mar 2020-
Postdoctoral fellow	Institute of Microbial Chemistry, Tokyo Advisor: Prof. Masakatsu Shibasaki	August 2016- Feb 2020
Ph.D.	Indian Institute of Science, Bangalore Advisor: Prof. S. Chandrasekaran	July 2016
Exchange student	Faculty of Pharmacy, University of Paris–11 Advisor: Dr. Danielé Bonnet Delpon	Oct-Dec 2010
M.S.	Indian Institute of Science, Bangalore Advisor: Prof. S. Chandrasekaran	July 2009
B.Sc.	R. K. M. Vivekananda College University of Madras, Chennai	April 2005

Awards / Fellowships

- Senior research fellowship by JNCASR–Bangalore August 2014
- Senior research fellowship by CSIR–New Delhi August 2011
- All India 11th rank (percentile – 99.81) in the national level GATE examination March 2009
- Junior research fellowship by CSIR for the NET exam June 2008
- Integrated Ph. D. fellowship, Indian Institute of Science August 2006

List of Publications

1. **Balaji, P. V.**; Brewitz, L.; Kumagai, N.; Shibasaki, M., Achiral Trisubstituted Thioureas as Secondary Ligands to Cu^I Catalysts: Direct Catalytic Asymmetric Addition of α -Fluoronitriles to Imines. *Angew. Chem. Int. Ed.* **2019**, *58*, 2644. Selected as [Inside Back Cover](#). Highlighted in *Synfacts* **2019**, *15*, 263.
2. **Balaji, P. V.**; Chandrasekaran, S., Geminal Difunctionalization of Vinylarenes: Concise Synthesis of 1,3-Dioxolan-4-ones. *Synlett*, **2019**, *30*, 2263.

3. Sun, B.; **Balaji, P. V.**; Kumagai, N.; Shibasaki, M., α -Halo Amides as Competent Latent Enolates: Direct Catalytic Asymmetric Mannich-Type Reaction. *J. Am. Chem. Soc.* **2017**, *139*, 8295.
4. **Balaji, P. V.**; Chandrasekaran, S., Stereoselective Anti-Markovnikov Geminal Diamination and Dioxygenation of Vinylarenes Mediated by the Bromonium Ion. *Eur. J. Org. Chem.* **2016**, 2547.
5. **Balaji, P. V.**; Chandrasekaran, S., Reagent-Switch Controlled Metal-Free Intermolecular Geminal Diamination and Aminooxygenation of Vinylarenes. *Tetrahedron* **2016**, *72*, 1095.
6. **Balaji, P. V.**; Chandrasekaran, S., Stereoselective Geminal Difunctionalization of Vinylarenes Mediated by the Bromonium ion. *Chem. Commun.* **2014**, 50, 70.
7. Venkateswarlu, Ch.; **Balaji, P.V.**; De, K.; Crousse, B.; Figadère, B.; Legros, J., Straightforward Synthesis of 2-Propylquinolines under Multicomponent Conditions in Fluorinated Alcohols. *J. Fluorine Chem.* **2013**, *152*, 94.

Conference presentations

- **Oral:** "Achiral Trisubstituted Thioureas as Secondary Ligands to Cu(I) Catalysts: Direct Catalytic Asymmetric Addition of α -Fluoronitriles to Imines" 139th Annual Meeting of The Pharmaceutical Society of Japan, Chiba, Japan, March **2019**.
- **Oral:** "Direct Catalytic Asymmetric Addition of α -Aryl α -Fluoro Acetonitrile to Imines: Effect of Achiral Thioureas on Stereoselectivity", 138th Annual Meeting of The Pharmaceutical Society of Japan, Kanazawa, Japan, March **2018**.
- **Oral:** "Halonium Ion Mediated Stereoselective Geminal Difunctionalization of Alkenes", The 8th Junior National Organic Symposium Trust conference, IIT Guwahati, India, December **2012**.