

Prasanna K. Vuram Ph.D.

Flat No. 101, SRI SAI VIHAR
Nagendra Nagar Habsiguda,
Hyderabad, 500007
Mobile: 8639508237

Email: prasannaiitm@gmail.com

Career Objective:

Looking for a sr. Scientist position in the area of CRO/PRD (R&D synthesis) where I can utilize my 3 years of industrial experience to lead a group and product delivery within time lines.

Education

Ph.D. IIT-Madras, India; Mentor: Professor Anju Chadha:

01/2004–07/2011

Thesis title: "Glycerol based amphiphilic polyether dendrimers: synthesis, characterization, aggregation properties and applications"

Master of Science in Organic Chemistry, Andhra University, India

07/2000–07/2002

Bachelor of Education, Andhra University, India

09/1999–04/2000

Bachelor of Science, Andhra University, India

06/1996–04/1999

Employment Experience/Postdoctoral Affiliation

Scientist., Chemveda Life sciences, Hyderabad

04/2018- till date

Role: Leading a group of five chemist (experience in synthesis of Med chem. molecule, API intermediate synthesis)

Research Scientist, Keminntek Labs, Hyderabad

04/2017–03/2018

Experience in CRO and CRAMS

Postdoctoral fellow

Dept, of Chemistry The City College of New York,

04/2014–06/2016

Mentor: Prof. Mahesh K. Lakshman

Area of research: **Nucleoside and Heterocyclic Chemistry**

- Synthesis of cladribine (drug for hairy cell leukemia) and its derivatives by newly developed method (BOP mediated S_NAr reaction)
- Synthesis of benzotriazole and azabenzotriazole based nucleoside mimics (potential anti-bacterial and antiviral agents)

Research Associate, IIT-Madras, India; Mentor: Prof. Anju Chadha

08/2013–04/2014

Area of research: **Microwave assisted organic synthesis**

- Synthesis of 3-indolyl-3-hydroxy oxindoles and unsymmetrical 3,3-di(Indolyl)Indolin-2-ones through Friedel-Crafts alkylation

Postdoctoral Fellow, IIT-Madras, India; Mentor: Prof. Santosh J. Gharpure

04/2011–06/2013

Area of Research: **Total synthesis of natural products (Myristinin B/C)**

- (\pm)-Binolphosphoric catalyzed stereoselective synthesis of benzopyrans through inverse electron demand hetero Diels–Alder reaction and application to the formal synthesis of natural product Myristinin B/C

Awards and Honors:

- Institute Postdoctoral Fellowship (IPF): Awarded by the IIT-Madras (Jun. 2012–Jun. 2013).
- Senior Research Fellowship (SRF): Awarded by the Council of Scientific and Industrial Research (CSIR) Govt. of India (Jan. 2007–Jan. 2010).
- Junior Research Fellowship (JRF): Awarded by the Council of Scientific and Industrial Research (CSIR-JRF) Govt. of India (Jan. 2005–Jan. 2007).
- Junior Research Fellowship (JRF): Awarded by the Indian IIT-Madras (Jan. 2004– Jan. 2005).
- Selected for German Academic Exchange Service (DAAD) summer school: Sponsored by DAAD (Germany) held at Indian Institute of Sciences Bangalore (June, 2006 –July 2006).

Publications:

1. Andrzejewska, Magdalena; **Prasanna K. Vuram**; Pottabathini, Narender; Gurram, Venkateshwarlu; Relangi, Siva; Korvinson, Kirill; Doddipalla, Raju; Stahl, Lothar; Neary, Michelle; Sharma, Somesh; Lakshman, Mahesh. "The Disappearing Director: The Case of Directed N-Arylation via a Removable Hydroxyl Group" *Advanced synthesis and catalysis*, **2018**, 360, 2503-2510. (Impact factor: **5.1**).
2. Sakilam Satishkumar,.; Suresh Poudapally; **Prasanna K. Vuram**, Ph.D.; Venkateshwarlu Gurram; Narender Pottabathini; Lijia Yang; Dellamol Sebastian; Padmanava Pradhan,.; Mahesh K Lakshman, Pd-catalyzed versus uncatalyzed, $\text{PhI}(\text{OAc})_2$ -mediated cyclization reactions of N^6 -([1,1'-biaryl]-2-yl)adenine nucleosides. *Chem. Cat. Chem.*, (Cover page Article), **2017**, 9, 4058-4069. (Impact factor: **4.8**).
3. Mahesh K. Lakshman and **Prasanna K. Vuram**. Cross-dehydrogenative coupling and oxidative-Amination reactions of ethers and alcohols with aromatics and heteroaromatics. *Chem. Sci.*, **2017**, 8, 5845–5888. (Impact factor: **9.0**).
4. Sakilam Satishkumar[†]; **Prasanna K. Vuram**[†]; Siva Subrahmanyam Relangi[†]; Venkateshwarlu Gurram; Hong Zhou; Robert J. Kreitman; Michelle M. Martínez Montemayor; Lijia Yang; Muralidharan Kaliyaperumal; Somesh Sharma; Narender Pottabathini; Mahesh K. Lakshman. Cladribine Analogues via O^6 -(Benzotriazolyl) Derivatives of Guanine Nucleosides *Molecules*, **2015**, 20, 18437–18463. (Impact factor: **3.0**).
[†] equal contributions
5. **Prasanna K. Vuram**; Kabilan, C.; Anju Chadha. Catalyst and Solvent-Free Microwave Assisted Expeditious Synthesis of 3-Indolyl-3-Hydroxy Oxindoles and Unsymmetrical 3,3-Di(Indolyl)Indolin-2-Ones. *International Journal of Organic Chemistry*, **2015**, 5, 108–118. (Impact factor: **0.9**).
6. Subuddhi, Usharani; **Prasanna K. Vuram**; Anju Chadha; Ashok K. Mishra, Disaggregation Induced Solvatochromic Switch: A Study of Dansylated Polyglycerol Dendrons in Binary Solvent Mixture. *Spectrochimica Acta Part A: Molecular and Biomolecular Spectroscopy*, **2014**, 128, 351–356. (Impact factor: **2.0**).
7. Santosh J. Gharpure; A. M. Sathiyarayanan; **Prasanna K. Vuram**. "Hetero Diels–Alder Reaction of Olefin With α -Quinone Methides Generated using (\pm)-Binolphosphoric Acid for the Stereoselective Synthesis of 2,4-Diarylbenzopyrans: Application to the Formal Synthesis of Myristinin B/C." *RSC Adv.*, **2013**, 3, 18279–18282. (Impact factor: **2.9**)
8. Subuddhi, Usharani; **Prasanna K. Vuram**; Ashok K. Mishra; Anju Chadha. Photophysical Investigation of Microenvironment in Glycerol Based Dansylated Polyether Dendrons. *J. Photochem. Photobiol. A*. **2011**, 217, 411–416. (Impact factor: **2.8**)
9. **Prasanna K. Vuram**; Subuddhi, Usharani; Subrahmanian, Tarakkad Krishnaji; Anju Chadha, Ashok Kumar Mishra. Synthesis and Aggregation Properties of Dansylated Glycerol-Based Amphiphilic Polyether Dendrons. *Eur. J. Org.* **2010**, 5030–5040. (Impact factor: **2.8**)

Published in book

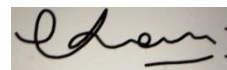
Catalyst and solvent-free microwave assisted expeditious synthesis of 3-indolyl-3-hydroxy oxindoles and unsymmetrical 3,3-di(indolyl)indolin-2-ones, **Chapetr-2, Problems in Advanced Organic Chemistry** by William Kofie, 2017

CONFERENCES/SYMPOSIA:

1. **Prasanna K. Vuram**, Kabilan, C. and Anju Chadha "Catalyst free microwave assisted expeditious synthesis of 3-indolyl-3-hydroxy oxindoles". Poster presented at International Conference on Emerging Trends in Chemical Sciences, 5–7th Dec. 2013, VIT University, India.
2. **Prasanna K. Vuram** and Anju Chadha "Glycerol Based Novel Amphiphilic Polyether Dendrimers for Aqueous Solubilization of Hydrophobic Drug Molecules." Poster presented at "International Conference in Cancer Biology: Molecular Mechanisms and Novel Therapeutics", "Cancer-con 2010", on 18–20th Feb. 2010, IIT-Madras, India.

3. National Conference on Biotechnological Approaches to Alternate Energy (BAAE-08) 5–6th Dec. 2008, Dept. of Biotechnology IIT-Madras, India (Participant).
4. **Prasanna K. Vuram** and Anju Chadha “Use of Renewable Resources for Value Added Products: Synthesis of Glycerol Based Dendrimers.” Poster presented at “9th National Symposium in Chemistry” Chemical Research Society of India, 1–4th Feb, 2007, University of Delhi, India.
5. National symposium on Molecular Basis of Diseases, 8–9th Jan. 2005, Dept. of Biotechnology, IIT-Madras. (Participant).

Prasanna K. Vuram

A handwritten signature in black ink, appearing to read 'Prasanna K. Vuram', with a horizontal line underneath.

