

# CURRICULUM VITAE

## B THIRUPATAIAH



### ADDRESS

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### EMAIL ID:

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### NATIONALITY

Indian

### LANGUAGES

English, Telugu, Hindi

### SOFTWARE SKILLS

Packages: MS-Office  
Chemistry  
Software/tools:  
Chem Office,  
Chemfile browser,  
EndNote,  
MestRec.

### B. Thirupataiah

Center for Innovation in Molecular and Pharmaceutical Sciences  
(CIMPS)

Dr. Reddy's Institute of Life Sciences,  
University of Hyderabad Campus,  
Gachibowli, Hyderabad, Telangana,  
India-500046.

### Objective:

Seeking a position to utilize my skills and abilities in a field where I can work with a team oriented environment and best exploit my knowledge, interest and proficiency towards individual and collective development.

### Educational qualifications:

2017-present **Ph.D.** (Organic & Medicinal Chemistry)

**Dr. Reddy's Institute of Life Sciences /**

**Manipal Academy of Higher Education.**

**Mentor:** Prof. Manojit Pal (Chief Scientist at DRILS, CIMPS)

**Thesis title:** "Synthesis of Novel O/N-Containing Heterocycles of  
Potential Pharmacological Interest"

2010-2012 MNR PG College, Hyderabad, Telangana, India.

**Osmania University.**

**M.Sc.** in Organic Chemistry, percentage of marks 75.5.

2006-2009 Pragathi Degree College, Achampet, Telangana, India.

**Osmania University.**

**B.Sc.** (Botany, Zoology, Chemistry), percentage of marks 69.9.

### Additional qualifications:

- Qualified CSIR-UGC NET (Lectureship) in 2012.
- Qualified joint admission test M.Sc. 2010, conducted by Osmania University.

### Professional experience:

**October 2017-2020** Dr. Reddy's Institute of Life Sciences, HCU Campus, Gachibowli, Hyderabad.

Working as JRF and SRF in DST SERB Project titled "Novel small molecules as selective and Positive Allosteric Modulators (PAM) 5HT<sub>2C</sub> receptor: Discovery and development of potential anti-obesity agents" Guide- Prof. Manojit Pal.

**2013-2017** Worked as Project Fellow under guidance of Dr. R. Srinivas, Chief Scientist, Analytical & Mass Spectrometry Division, IICT, Hyderabad, Telangana, India.

Worked on the project Augmentation of analytical facilities and testing of samples by using various analytical techniques such as HPLC, IC, GPC, ESI-MS, ICP-OES.

### List of publications:

1. **B. Thirupataiah**, Harshavardhan Bhuktar, G. Mounika, G. S. Reddy, J. S. Kumar, Sharda Shukla, K. A. Hossain, R. Medishetti, Snigdha Samarpita, M. Rasool, Jagadish P. C., Gautham G. Shenoy, K. V. L. Parsa, M. Pal. *Bioorg. Chem.*, **2022**, 121, 105667
2. G. S. Reddy, R. Kamaraj, K. A. Hossain, J. S. Kumar, **B. Thirupataiah**, R. Medishetti, N. S. Sri, P. Misra, M. Pal. *Bioorg. Chem.*, **2021**, 116, 105380
3. **B. Thirupataiah**, G. S. Reddy, G. Mounika, J. S. Kumar, K. A. Hossain, J. Mudgal, J. E. Mathew, G. G. Shenoy, M. Rajadurai, K. V. Parsa, M. Pal. *Chem. Commun.*, **2021**, 57, 10091
4. **B. Thirupataiah**, G. Mounika, G. S. Reddy, J. S. Kumar, R. Kapavarapu, R. Medishetti, J. Mudgal, J. E. Mathew, G. G. Shenoy, C. M. Rao, K. Chatti, K. V. Parsa, M. Pal. *Bioorg. Chem.*, **2021**, 115, 105265
5. G. S. Reddy, J. S. Kumar, **B. Thirupataiah**, K. A. Hossain, S. B. Nallapati, V. B. Giliyaru, R. C. Hariharapura, G. G. Shenoy, M. Pal. *Tetrahedron Lett.*, **2021**, 77, 153213

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6. **B. Thirupataiah**, G. Mounika, G. S. Reddy, J. S. Kumar, K. A. Hossain, R. Medishetti, S. Samarpita, M. Rasool, J. Mudgal, J. E. Mathew, G. G. Shenoy, C. M. Rao, K. Chatti, K. V. Parsa, M. Pal. *Eur. J. Med. Chem.*, **2021**, 221, 113514
7. J. S. Kumar, G. S. Reddy, R. Medishetti, A. Ray, S. D. Bele, K. A. Hossain, **B. Thirupataiah**, R. K. Edwin, P. Behera, A. Joseph, G. G. Shenoy, C. M. Rao, M. Pal. *J. Mol. Struct.*, **2021**, 1240, 130574
8. J. S. Kumar, **B. Thirupataiah**, R. Medishetti, A. Ray, S. D. Bele, K. A. Hossain, G. S. Reddy, R. K. Edwin, A. Joseph, N. Kumar, G. G. Shenoy, C. M. Rao, M. Pal. *Eur. J. Med. Chem.*, **2020**, 201, 112335
9. **B. Thirupataiah**, G. S. Reddy, S. S. Ghule, J. S. Kumar, G. Mounika, K. A. Hossain, J. Mudgal, J. E. Mathew, G. G. Shenoy, K. V. Parsa, M. Pal. *Bioorg. Chem.*, **2020**, 97, 103691
10. G. S. Reddy, K. A. Hossain, J. S. Kumar, **B. Thirupataiah**, R. K. Edwin, V. B. Giliyaru, R. C. Hariharapura, G. G. Shenoy, P. Misra, M. Pal. *RSC Adv.*, **2020**, 10, 289
11. R. Sunke, R. Bankala, **B. Thirupataiah**, E.V.V. S. Ramarao, J. S. Kumar, H. M. Doss, R. Medishetti, P. Kulkarni, R. K. Kapavarapu, M. Rasool, J. Mudgal, J. E. Mathew, G. G. Shenoy, K. V. L. Parsa, M. Pal. *Eur. J. Med. Chem.*, **2019**, 174, 198

#### Patent:

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B. Thirupataiah, G. Mounika, K. V. L. Parsa, M. Pal, Bicyclic compounds as PDE4 inhibitors. Indian Patent Application No. **202041042403** filed on September 29, 2020.

#### Presentations:

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##### Oral presentation

Elegant synthesis of 11,12-dihydro benzo[c]phenanthridine / benzo[c]phenanthridine via a multi-step sequence virtual national symposium on “Trends in Organic, Biological and Food CHEMISTRY” conducted by the RSC (London)-ILSD, on 23<sup>rd</sup> January 2021.

##### Poster presentation

C-C bond formation via C-3 Heteroarylation / C-2 C-H activation of indole ring. DRILS- IICT-RSC International Symposium on “Su for Sustainability- Changing Paradigms in Process Innovation” Organized by Dr. Reddy’s Institute of Life Sciences, University of Hyderabad Campus, Gachibowli, Hyderabad, 500046, Telangana State, India. 24-25 Feb 2020.

#### Research interest:

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- Design and Synthesis of novel heterocyclic compounds of potential Pharmacological interest.
- Development of new methodologies in Synthetic Organic Chemistry.

#### Technical skills:

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- Use of transition metal catalysed reactions, Ultrasound assisted reactions, C-H activation, Coupling-Cyclisation, Heteroarylation reactions, ligand and additive free Palladium-catalysed cascade reaction (C-O/N & C-C bond formation).
- Multi-step synthesis, Isolation and purification (by column chromatography and preparative TLC) of organic compounds.
- Purification techniques such as column chromatography and preparative TLC.
- Compound characterization by various spectroscopic techniques.

#### Declaration

I hereby declare that the information furnished above is true to the best of my knowledge.

Yours Sincerely

B Thirupataiah.