

CURRICULUM VITAE

UPENDAR REDDY CH Ph. D.

Aurigene Pharmaceutical Services

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PROFESSIONAL EXPERIENCE:

- **Team Leader:** Aurigene Pharmaceutical Services, Miyapur, Hyderabad.

Period: October 2010 - Present.

Work Experience:

- ✓ Team lead of 15 chemists, route scouting/designing and work planning for the synthesis of NCE's in milligram to gram scale.
- ✓ Productivity Metrics: 4 NCE's (varies on the no steps involved for the synthesis) and 40 reactions per chemist/month.
- ✓ Working for different FFS projects at present.
- ✓ Good experience in handling of analytical teams (¹H NMR, LCMS, HPLC and prep purification) departments.
- ✓ All research activities (LNB's, patent drafts and research article write-ups) were well documented with 0% tolerance policy as per the organization regulations.
- ✓ Holding an excellent experience with the raw material procurement (based on cost effective and time sensitive) for all projects.
- ✓ Successfully organized many recruitment drives as a member of interview panel.
- ✓ Interaction with client on daily basis via mail and weekly basis via VC's/TC's.
- ✓ Preparation of project proposals/costing for new projects in competitive price and timelines.

- **Postdoctoral Research Fellow:** Dr. Reddy's Institute of Life Sciences, University of Hyderabad, Hyderabad.

Period: January 2008 - October 2010.

Work Experience: Synthesis of natural product inspired macrocycles and synthesis of small molecules to screen against telomerase activation and type-2 diabetes.

- **Scientist-II:** Hikal Pvt Ltd, Process Research and Development Center, Bangalore.

Period: Jan 2007 - Dec 2007.

Work Experience: Process development of API's.

EDUCATIONAL QUALIFICATION:

- **Doctor of Philosophy (Ph.D.):** Organic Chemistry.

Department of Studies and Research in Chemistry, Gulbarga University, Gulbarga, Karnataka.

Period: 2003-2007.

Title of the Thesis: "Synthesis and Biological Activities of Nucleobase Analogues"

- **Master of Science (M.Sc.):** Organic Chemistry.
Department of Studies and Research in Chemistry, Gulbarga University, Gulbarga, Karnataka.
Period: 2001-2003.
- **Bachelor of Science (B.Sc.):** Microbiology, Genetics and Chemistry.
Avanthi Degree and PG College, Osmania University, Hyderabad, Telangana.
Period: 1997-2000.

HONORS AND AWARDS:

- Awarded two gold medals for securing first rank in M. Sc., (Organic Chemistry) from Gulbarga University, Gulbarga, Karnataka.

LIST OF PUBLICATIONS:

1. Synthesis of indole based novel small molecules and their in vitro anti-proliferative effects on various cancer cell lines, Balakrishna Dulla, E. Sailaja, **Upendar Reddy CH**, Madhu Aeluri, Arunasree M. Kalle, S. Bhavani, D. Rambabu, M.V. Basaveswara Rao, Manojit Pal. *Tetrahedron Letters*, **2014**, 55, 4(22), 921-926.
2. Pd/C-Mediated Arylation Followed by I₂-Catalyzed Hydration Strategy: Preparation of Functionalized Novel Indanone Derivatives, Balakrishna Dulla, Sunder Kumar Kolli, **Upendar Reddy CH**, Giridhar Singh Deora, R. Ramesh Raju & Manojit Pal. *Synthetic Communications*, **2014**, 44 (10), 1466-1474.
3. Synthesis and in vitro anti-proliferative effects of 3-(hetero)aryl substituted 3-[(prop-2-ynyloxy)(thiophen-2-yl)methyl]pyridine derivatives on various cancer cell lines, **Upendar Reddy CH**, E. Sailaja, Balakrishna Dulla, Arunasree M. Kalle, S. Bhavani, D. Rambabu, Ravikumar Kapavarapu, M.V. Basaveswara Rao, Manojit Pal. *Bioorganic & Medicinal Chemistry Letters*, **2014**, 24 (5), 1366-1372.
4. Anomalous reaction of hydrazine hydrate with 5-arylidene barbiturates: Formation of benzalazines, N. M. Goudgaon, **Upendar Reddy CH**, Sharanabasappa Patil and B. U. Sheshikant. *Indian Journal of Heterocyclic Chemistry*, **2014**, 23(1), 277-282.
5. Alternate and efficient method for the total synthesis of egonol *via* Sonogashira coupling reaction, M. Naveen, **Upendar Reddy CH**, Md. Manzoor Hussain, M. Chaitanya and Golla Narayanaswamy, *Journal of Heterocyclic Chemistry*, **2013**, 50, 1064-1066.
6. Synthesis of novel 5-phenylselenenyl-2,4-disubstituted pyrimidine analogs, Ismail, **Upendar Reddy CH** and Thalari Gangadhar. *Chem Sci Trans.*, **2012**, 1(1), 210-216.
7. A new route to indoles *via* in situ desilylation–Sonogashira strategy: identification of novel small molecules as potential anti-tuberculosis agents, Ali Nakhi, Bagineni Prasad, **Upendar Reddy CH**, Raja Mohan Rao, Sandhya Sandra, Ravikumar Kapavarapu, D. Rambabu, G. Rama Krishna, C. Malla Reddy, Kishore Ravada, Parimal Misra, Javed Iqbal and Manojit Pal. *Med. Chem. Commun* **2011**, 2, 1008-1010.
8. Sequential coupling/desilylation-coupling/cyclization in a single pot under Pd/C-Cu catalysis: Synthesis of 2-(hetero)aryl indoles, R. Mohan Rao, **Upendar Reddy CH**, Alinakhi Naveen

Mulakayala, Mallika Alvala, M. K. Arunasree, Rajamohan R. Poondra, Javed Iqbal and Manojit Pal. *Organic and Biomolecular Chemistry* **2011**, 9, 3808-3816.

9. Novel and efficient synthesis of 7-trifluoromethyl-substituted pyrazolo[1,5-a]pyrimidines with potent antitumor agents, Naveen Mulakayala, **Upendar Reddy CH**, M. Chaitanya, Manzoor Hussain Md, Chitta Suresh Kumar and Narayanaswamy Golla. *Journal of the Korean Chemical Society* **2011**, 55 (4), 719-722.
10. Synthesis of dipeptidyl peptidase-4 inhibitors: a brief overview, Naveen Mulakayala, **Upendar Reddy CH**, Javed Iqbal and Manojit Pal. *Tetrahedron*, **2010**, 66, 4919-4938.
11. Synthesis of some pyrazole incorporated benzofurans and their anti-inflammatory activity, Raga Basawaraj, Varsha Chavan, Ashok Patil, **Upendar Reddy CH**, Narasimha Gandhi, Shivanand Noola, Vijay Kumar T and Kashinath Naubade. *Indian Journal of Heterocyclic Chemistry*, **2010**, 20(4), 129-132.
12. Antifungal, anti-inflammatory and analgesic activity of ailanthus excelsa bark, Sharanabasappa B. Patil, **Upendar Reddy CH** and N. M. Goudgaon. *International Journal of Pharmaceutical Sciences and Research* **2010**, 1(12), 119-122.
13. Synthesis and antitubercular activities of azetidinone and thiazolidinone derivatives from 5-chloro-3-methylbenzofuran, Raga Basawaraj, Amith. L, Vijay Kumar. T, Havangirao. M and **Upendar Reddy CH**. *International Journal of Chem Tech Research*, **2010**, 2(3), 1764-1770.
14. Synthesis and antimicrobial activities of novel 5-substituted pyrimidin-2,4,6-triones, N. M. Goudgaon, S. B. Patil, S. A. Rahaman and **Upendar Reddy CH**. *Journal of the Indian Chemical Society*, **2010**, 87, 743-748.
15. Synthesis of novel 5-phenylselenenyl pyrimidine analogs, Jeelan Basha. N, **Upendar Reddy CH** and N. M. Goudgaon. *Journal of the Indian Chemical Society*, **2009**, 86, 728-733.
16. Synthesis and antimicrobial activities of novel formazans incorporating pyrimidine ring, N. M. Goudgaon and **Upendar Reddy CH**. *Journal of the Indian Chemical Society*, **2009**, 86, 617-623.
17. Efficient synthesis of novel 6-phenylthio-2,4-disubstituted pyrimidines, N. M. Goudgaon and **Upendar Reddy CH**. *Heterocyclic Communications*, **2008**, 6(14), 443-448.
18. Cyclization of 4-(2-aminoanilino)-2-benzylthiopyrimidine to novel 1-(2-benzylthiopyrimidin-4-yl)-2-substituted benzimidazoles, N. Jeelan Basha, **Upender Reddy CH** and N. M. Goudgaon. *Heterocyclic Communications* **2008**, 6(14), 469-472.
19. Synthesis of 1,5-disubstituted uracils, N. M. Goudgaon and **Upendar Reddy CH**. *Indian Journal of Heterocyclic Chemistry*, **2008**, 18(1), 97-98.
20. Synthesis of novel 5-phenylthio-2,4-disubstituted pyrimidine analogs, N. M. Goudgaon, **Upendar Reddy CH** and Roopa S. *Indian Journal of Heterocyclic Chemistry*, **2008**, 18(1), 25-28.

PRESENTATIONS IN CONFERENCES:

1. Synthesis and biological evaluation of novel 5-phenylselenenyl pyrimidine analogous. N. M. Goudgaon, Sharanabasappa B. Patil, **Upendar Reddy CH** and N. Jeelan Basha. *Presented at 27th Annual Conference of Indian Council of Chemist 2008*, Gurukul Kangri Vishwavidyalaya, Haridwar, December 26th -28th 2008, Abstract No.OO-05.
2. Synthesis and anti-microbial activity of 4-(benzylidenehydrazino)-2(benzylthio)-5-phenylselenenyl/5-iodo-pyrimidine analogs. N. M. Goudgaon, N. Jeelan Basha and **Upendar Reddy CH** *Presented at International Conference on Drug Discovery and Nanotechnology*, Yeshwant Mahavidyalaya, Nanded, Maharashtra, January 27-29, 2008, Abstract No. DDPP-05.
3. Synthesis and antimicrobial activity of 5-phenylthio-substituted pyrimidine derivatives N. M. Goudgaon, **Upendar Reddy CH** and N. Jeelan Basha. *Presented at International Symposium on Advances in Organic Chemistry 2006*, School of Chemical Sciences, Mahatma Gandhi University, Kottayam, January 2006, Abstract No. 16.
4. Synthesis and Antimicrobial Activity of Formazans and their Tetrazolium Bromides Derived from Uracil, N. M. Goudgaon, **Upendar Reddy CH**, Vijayalaxmi A. *Presented at 41st Annual Convention of Chemist 2004*, University of Delhi, Delhi, December 2004, Abstract No.ORG (PP)-13.
5. A Facile Route for the Synthesis of 5-Phenylthiopyrimidines. N. M. Goudgaon, Vijayalaxmi A and **Upendar Reddy CH**. *Presented at 41st Annual Convention of Chemist 2004*, University of Delhi, Delhi, December 2004, Abstract No.ORG (OP)-15.

COMPUTER PROGRAMMING SKILLS:

- Microsoft Office, PyMol, Chem Office, Chem Sketch, Sci-Finder and Reaxy's Search.
- Webex, Zoom and Skype to organize the meetings with clients.

PERSONEL DETAILS:

Name	: Upendar Reddy CH
Sex	: Male
Date of Birth	: 03 rd April 1979
Marital Status	: Married
Nationality	: Indian
Languages Known	: English, Hindi, Telugu and Kannada
Address	: Flat No 302, Sigma Sarovar, Chandanagar, Hyderabad.

I declare that the information given is correct and complete to the best of my knowledge and belief.

Yours faithfully,

(Upendar Reddy CH)