

List of Publications

From thesis work:

- 1) **A. Suresh**, K. Mahalakshmi Naidu, S. Srinivasarao, N. Agnieszka, A. Ewa, S. Murugesan, S. Chander, R. Krishnan, K. V. G. Chandra Sekhar, Identification and development of pyrazolo[4,3-*c*]-pyridine carboxamides as *Mycobacterium tuberculosis* pantothenate synthetase inhibitors. *New J. Chem.*, **2017**, **41**, 347.
- 2) **A. Suresh**, S. Srinivas, N. Agnieszka, A. Ewa, A. Mallika, C. Lherbet, K. V. G. Chandra Sekhar, Design, synthesis of 9*H*-fluorenone based 1,2,3-triazole analogues as *Mycobacterium tuberculosis* InhA inhibitors. *Chemical Biology & Drug Design*, DOI: 10.1111/cbdd.13127 (Accepted manuscript).
- 3) **A. Suresh**, N. Suresh, S. Misra, M. M. Krishna Kumar, K. V. G. Chandra Sekhar, Design, Synthesis and Biological Evaluation of New Substituted Sulfonamide Tetrazole Derivatives as Antitubercular Agents. *Chemistry Select*, **2016**, **1**, 1705.
- 4) **A. Suresh**, S. Srinivasarao, N. Agnieszka, A. Ewa, S. Murugesan, S. Chander, R. Krishnan, K. V. G. Chandra Sekhar, 6-chloro, 6,7-dichloro and 2-methyl-3-(((1-(substitutedphenyl)-1*H*-1,2,3-triazol-4-yl)methoxy)carbonyl)quinoxaline 1,4-dioxide derivatives as anti-tubercular agents. (Manuscript under preparation)

Other publications:

- 1) N. Suresh, C. Surendhar, **A. Suresh**, D. Battacharjee, B. Bhaskara Rao, N. Jain, A. Mallika, K. V. G. Chandra Sekhar, Design and synthesis of 4-morpholino-6-(1,2,3,6-tetrahydropyridin-4-yl)-N-(3,4,5-trimethoxyphenyl)-1,3,5-triazin-2-amine analogues as tubulin polymerization inhibitors. *Bioorg. Med. Chem. Lett.* **2017**, *24*, 3794.
- 2) H. N. Nagesh, **A. Suresh**, M. Nagarjuna Reddy, N. Suresh, J. Subbalakshmi, K. V. G. Chandra Sekhar, Multicomponent cascade reaction: Dual role of copper in the synthesis of 1,2,3-triazole tethered benzimidazo[1,2-*a*]quinoline and their photophysical studies. *RSC Adv.*, **2016**, *6*, 15884.
- 3) H. N. Nagesh, **A. Suresh**, D. Sairam, P. Yogeewari, K. V. G. Chandra Sekhar, Design, synthesis and antimycobacterial evaluation of 1-(4-(2-substitutedthiazol-4-yl)phenethyl)-4-(3-(4-substitutedpiperazin-1-yl)alkyl)piperazine hybrid analogues. *Eur. J. Med. Chem.*, **2014**, *84*, 605.
- 4) K. Mahalakshmi Naidu, **A. Suresh**, J. Subbalakshmi, D. Sriram, P. Yogeewari, P. Raghavaiah, K. V. G. Chandra Sekhar, Design, synthesis and antimycobacterial activity of various 3-(4-substituted sulfonylpiperazin-1-yl)benzo[*d*]isoxazole derivatives. *Eur. J. Med. Chem.*, **2014**, *87*, 71.
- 5) K. V. G. Chandra Sekhar, V. S. Rao. T. V. N. V. Tara Sasank, H. N. Nagesh, N. Suresh, K. Mahalakshmi Naidu, **A. Suresh**, Synthesis of 3,5-diarylloxazoles under solvent-free conditions using iodobenzene diacetate. *Chin. Chem. Lett.*, **2013**, *24*, 1045.
- 6) N. Suresh, C. Surendhar, **A. Suresh**, G. Sridhar, A. Mallika, D. Battacharjee, N. Jain, K. V. G. Chandra Sekhar, Design, synthesis and biological evaluation of 2-(4-aminophenyl) benzothiazole analogues as antiproliferative agents. *Bioorg. Med. Chem. Lett.* (Manuscript under review).

- 7) **A. Suresh**, N. Shashidhar, K. V. G. Chandra Sekhar, Pantothenate Synthetase: Novel Therapeutic Target for Tuberculosis Drug Discovery, *Chemistry Select*, (Under review).
- 8) H. N. Nagesh, S. Srinivas Rao, **A. Suresh**, K. V. G. Chandra Sekhar, One-pot synthesis of 4-substituted-1*H*-1,2,3-triazole employing sulfur to deprotect methylene nitrile group. (Manuscript under preparation).

Papers presented at Conferences

- 1) **A. Suresh**, K. Mahalakshmi Naidu, S. Srinivasrao, A. Ewa, M. Murali Krishna, K. V. G. Chandra Sekhar, Design, synthesis and anti-tubercular activity of various 3-(4-((substituted-1*H*-1,2,3-triazol-4yl)methyl)piperazin-1-yl)benzo[d]isoxazole derivatives. International conference on Nascent Developments in Chemical Science (NDCS-2015), BITS Pilani, Pilani campus, October 16-18th, **2015**.
- 2) **A. Suresh**, K. Mahalakshmi Naidu, S. Srinivas Rao, K. V. G. Chandra Sekhar. Synthesis and characterization of new tetrazole derivatives as anti-tubercular agents. International Symposium on Bioorganic Chemistry (ISBOC-10), Indian Institute of Science Education and Research, Pune, January 11-15th, **2015**.
- 3) National Symposium on Human Diseases at BITS-Pilani, Hyderabad Campus, Hyderabad, March 15-16th, **2014**.
- 4) **A. Suresh**, H. N. Nagesh, N. Suresh, K. Mahalakshmi Naidu, D. Sriram, P. Yogeeswari, K. V. G. Chandra Sekhar, Synthesis and anti-tubercular activity of 6-(4-substitutedpiperazin-1-yl)phenanthridine analogues. International conference on Chemical Biology, Disease mechanisms and Therapeutics (IICB-2014), Indian Institute of Chemical Technology, Hyderabad, February 6-8th, **2014**.

Biography of Prof. K.V.G. Chandra Sekhar

Prof. K.V.G. Chandra Sekhar completed his B. Pharm (Hons.) in 1999 from BITS Pilani and after working a faculty in Gurukul vidyapeeth junior college, Hyderabad for two years, he re-joined BITS Pilani in 2001 as Teaching assistant and completed his M. Pharm in 2003. He then worked as Assistant Lecturer for one year and then as Lecturer up to 2008. He was awarded Ph. D in synthetic medicinal chemistry in 2008. From 2008 to 2014 he worked as Assistant professor and currently he is working as Associate professor since 2015. His areas of research interests are synthetic medicinal chemistry and drug design. As investigator, he successfully completed major research projects funded by DBT, DST and UGC. He has published over 27 research articles in well renowned international journals and presented around 36 papers in various conferences/symposia and workshops. Two students were awarded doctorate under his guidance and six of them are currently pursuing their Ph. D. He is a life member of association of pharmacy teachers of India, CRSI, Indian pharmacological society, Indian council of chemist, Indian association of chemistry teachers etc.

Biography of Mr. Amaroju Suresh

Mr. Amaroju Suresh completed his B. Sc (Botany, Zoology and Chemistry) in 2005 from University of Kakatiya. He completed his M. Sc (Organic chemistry) in 2007 from University of Kakatiya. He started his career as Trainee - Regulatory Affairs, Sri Krishna Pharmaceuticals Ltd (2007-12), Hyderabad, India. He was appointed as Junior Research Fellow in DBT project from December 2012–October 2016 in BITS Pilani, Hyderabad campus under the supervision of Prof. K.V.G. Chandra Sekhar. Later he was appointed as Senior Research Fellow in DST project from November 2016 to January 2017. He is currently working as Institute Research Fellow at BITS Pilani, Hyd. campus since February 2017. He has published six scientific papers in international journals and presented four papers at national and international conferences.



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