

CURRICULUM VITAE

Dr. K.N.Visweswara Sastry

H No 3 -40, Swarnagiri Colony,

Chowdariguda, Ghatkesar,

Medchal TS Pin: 500088



Mobile: 8688086539

Email: Sastrygenius9@gmail.com

Expertise

Synthetic Organic and Medicinal Chemistry • Drug Design and Discovery • Good Laboratory Management Skills • Preparation of scientific manuscripts, reports and presentations.

Ph.D. Thesis Title

Development of new methodologies for the synthesis of Benzoxazocine triazoles, Trisubstituted Pyrazoles, Substituted Quinazolines, Polysubstituted Pyrroles and their Biological Evaluation

Education and Work Experience

Sept 2021 to Jun2022	PostDoctoral Fellow , Under supervision of Prof. Kim Mi-Hyun , Gachon University, South Korea. (Design and Synthesis of Kinase Inhibitors)
Sept 2018 to Aug 2021	Senior Research Scientist , AMRI (Hyderabad Research Centre)
Aug 2013 to June 2018	Ph.D. in Medicinal Chemistry under supervision of Dr. Ahmed Kamal , Outstanding Scientist, Indian Institute of Chemical Technology-Hyderabad. Co-Supervised by Dr. Nagendra Babu Bathini , Senior Scientist, Dept. Of Fluoro-Agrochemicals, CSIR-IICT, Hyd.
Aug 2011 to July 2013	M.S.(Pharm.) in Medicinal Chemistry, National Institute of Pharmaceutical Education and Research-Mohali
2007-2011	Bachelor of Pharmacy (79.3%) JNTU-Hyd

Awards and Achievements

- Secured **AIR 1st** in **NIPER PhD-JAT-2013** and was awarded with **NIPER fellowship** for Ph. D in Medicinal Chemistry from Ministry of Chemical and Fertilizers, Govt. of India (**Aug 2013 – Aug 2018**).
- Qualified NIPER-JEE (For M.S.(Pharm.) Programme) with AIR-124.
- Qualified GPAT with AIR-609.

Professional Competence

Organic synthesis: Expertise in carrying out various organic reactions including air and moisture sensitive reagents/reactions, multistep synthesis of pharmaceuticals, asymmetric synthesis and process chemistry.

Purification: Excellent skills in purification of organic compounds using crystallization, distillation and chromatography as well as preparative TLC techniques.

Analytical techniques: Experienced in handling the instruments flash chromatography, HPLC, LCMS, UV-Visible, IR, and Fluorescence Spectrophotometers.

Structural elucidation: Expertise in interpretation of NMR, Mass, IR, UV–Visible and XRD.

Biological studies: Working experience with MTT assay, DNA binding studies using biophysical studies and viscosity studies.

Technical skills: Conversant with commonly used computer Softwares: MS-Office, Chem Office (chemdraw, 3D), Reaxys and Sci-Finder as well as capable of preparation of research reports and manuscripts for publications.

Personal Ability: Maintain good interpersonal relationships with capable of performing in part of group or/and independent work and identifying research problems and solving them independently.

List Of Publications

1. One-Pot, Three-Component Approach to the Synthesis of 3,4,5-Trisubstituted Pyrazoles. Ahmed Kamal*, **K. N. Visweswara Sastry**, D. Chandrasekhar, Geeta Sai Mani, Praveen Reddy Adiyala, Jagadeesh Babu Nanubolu, Kiran Kumar Singarapu and Ram Awatar Maurya* *J.Org. Chem.* **2015**, *18*, 4325-4335. <https://pubs.acs.org/doi/10.1021/jo502946g>
2. Synthesis, DNA binding affinity and anticancer activity of novel 4H-benzo[g][1,2,3]triazolo[5,1-c][1,4]oxazocines. **K. N. Visweswara Sastry**, Sunitha Rani Routhu, Soma Gupta Datta, Narayana Nagesh,* Bathini Nagendra Babu, Jagadeesh Babu Nanubolu, C. Ganesh Kumar, Ram Awatar Maurya* and Ahmed Kamal* *Org. Biomol. Chem.* **2016**, *14*, 9294-9305. <https://pubs.rsc.org/en/content/articlelanding/2016/ob/c6ob01077f#!divAbstract>
3. Copper-Catalysed Tandem Synthesis of Substituted Quinazolines from Phenacyl Azides and O-Carbonyl Anilines. **K. N. Visweswara Sastry**, B. Prasad, B. Nagaraju, V. Ganga Reddy, A. Alarifi, B. N. Babu, * Ahmed Kamal* *ChemistrySELECT*. 2017, *2*, 5378-5383. <https://onlinelibrary.wiley.com/doi/10.1002/slct.201700889>

4. Novel fused triazole compounds and process for preparing the same; Ahmed Kamal, **K. N. Visweswara Sastry**, Nagendra Babu Bathini, Ram Awatar Maurya, Mahesh Rasala, Soma Gupta Datta, Praveen Reddy Adiyala.

(Patent filed in 2016), **India Appl. No # 201641002693**

List Of Presentations

1. Synthesis, DNA binding affinity and anticancer activity of novel 4H benzo[g][1,2,3]triazolo[5,1-c] [1,4]oxazocines.

➤ Presented a **Poster**.

National conference on Advanced in Cancer Therapeutics [ACT-2016] held at CSIR-Indian Institute of Chemical Technology (CSIR-IICT), Hyderabad on April 4-5th, 2016, Hyderabad-India.

Participation

1. **21st CRSI National Symposium in Chemistry** held at CSIR-Indian Institute of Chemical Technology (CSIR-IICT), Hyderabad on July 14-16, 2017.

Personal Details

Male, **DOB:** June 22, 1989

Marital Status: Married

Languages known: English, Telugu and Hindi.

Nationality: Indian

References

Dr. Ahmed Kamal School of Pharmaceutical Education and Research (SPER), Jamia Hamdard University, New Delhi 110062, India E-mail: ahmedkamal915@gmail.com Contact No. : +91-9440802784; +91-40-23319370 (Res.)	Prof. Kim Mi-Hyun Gachon University, 191 Hambakmoe-ro, Yeonsu-gu, Incheon (Yeonsu-dong) 502, College of Pharmacy, Gachon University, Incheon, South Korea Email: mhmjmj@gmail.com
Dr.Nagendra Babu Bathini Senior Scientist Dept. of Fluoro- Agrochemicals, CSIR- IICT Hyderabad-500007 India Email: bathini@iict.res.in	