

CURRICULUM VITAE

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RESEARCH IDEAS:

A great deal of research in chemistry is devoted to the study of heterocyclic compounds and its biological applications. It is a vast and expanding area because of the obvious applications of compounds derived from heterocyclic rings in pharmaceutical, agriculture and other fields.

OBJECTIVE:

- To upgrade my knowledge and skill regarding the task, and to work for the growth and wealth of the institute.
- Aspiring for growth-oriented opportunities in research to improve research techniques and method development in Organic chemistry with a research group of repute.

EDUCATION QUALIFICATION:

- **Doctor of Philosophy (Ph.D.):** Thesis entitled “Synthesis, Characterization and Biological Activity of Some Schiff Base Compounds” from Visvesvaraya Technological University, Belagavi in the year **2017**.
- **Master of Science (M. Sc.)** in Chemistry from University of Mysore, Mysore in the year **2008**.
- **Bachelor of Science (B. Sc.)** from Maharani’s College, University of Mysore, Mysore in the year **2006**.

RESEARCH/WORK EXPERIENCE:

September 2008 to 2012 : working as junior teaching fellow,
Department of Chemistry
SJCE, Mysuru – 570 006, Karnataka, INDIA

Confirmed on August 2012 : Assistant Professor
Department of Chemistry,
S.J. College of Engineering,
Mysuru – 570 006, Karnataka, INDIA.

MEMBERSHIP OF PROFESSIONAL BODIES:

- Life Member of **Indian Science Congress Association (ISCA)**

CONFERENCE/SEMINARS ORGANIZED:

I worked as a Co-Ordinator for

- One day Seminar on **Chemistry of Materials** on 25th November 2011.
- Two days National Conference on **Recent Trends in Chemical Research** on 3rd & 4th of January 2014.
- One day International Symposium on **Advanced Materials** on 27th December 2017.

LIST OF RESEARCH PUBLICATIONS (Published/Communicated)

1. C. S. Karthik, H. M. Manukumar, S. Sandeep, B.L. Sudarshan, S. Nagashree, K.P. Rakesh, L. Mallesha, K.R.Sanjay, **P. Mallu**, and Hua-Li Qin, "Development of Piperazine-1-carbothioamide titivated chitosan silver nanoparticle (PIC-Tit*CAgNP) as promising anti-inflammatory candidate:A molecular docking validation" **RSC MedChemComm** 2017 (**Communicated**). (IF- 2.608)
2. C. S. Karthik, H. M. Manukumar, A. P. Ananda, S. Nagashree, L. Mallesha, S. Umesha, **P. Mallu**, and B. Yashwanth, Novel potent antibacterial benzodioxane coupled piperazine moiety decorated chitosan silver nanoparticles (Bcp*C@AgNPs) as anti-biofilm agent against methicillin-resistant Staphylococcus aureus (MRSA) **Nature Scientific Reports**, 2017 (**Communicated**). (IF- 4.259)
3. **S. Nagashree**, C S. Karthik, L. Mallesha, Rekha and P.Mallu "Synthesis and biological activity of 2-acetamido-5-aminopyridine schiff bases derivatives" **Journal of Saudi Chemical Society**, 2017 (**communicated**).
4. **S. Nagashree**, C S. Karthik, B L. Sudarshan, L. Mallesha and P.Mallu "Synthesis and *in vitro* antimicrobial activity of 2-amino-3-chloro-5-(trifluoromethyl)pyridine derivatives" **Der Pharma Lettre**, 2017 (**accepted**).
5. C. S. Karthik, H. M. Manukumar, A. P. Ananda, **S. Nagashree**, L. Mallesha, S. Umesha, P. Mallu, and N. B. Krishnamurthy. Synthesis of novel benzodioxane midst piperazine moiety decorated chitosan silver nanoparticles (BP*C@AgNPs) against biohazard pathogens and as potential anti-inflammatory candidate: An molecular docking proofs **International Journal of Biological Macromolecules**, 2018, 108, 489–502. 77 (IF-3.671).
6. C. S. Karthik, L. Mallesha, M. V. Santhosh, **S. Nagashree**, P. Mallu "Synthesis, Characterization, Antimicrobial Activity, and Optical Properties of Schiff Bases Derived from 4-(Aminomethyl) Piperidine" **Indian Journal of Advances in Chemical Science**, S1, 2016, 206-212..(IF-2.63).

7. C S Karthik, L. Mallesha, **S. Nagashree**, P. Mallu, Vasanth Patil, Sathish Kumar. Schiff bases of 4-(methylthio) Benzaldehydes: Synthesis, characterization, antibacterial, antioxidant and cytotoxicity Studies. **Current Chemistry Letters**, 5(2), 71–82, 2016.
8. **S. Nagashree**, C S Karthik, B L Sudarshan, L. Mallesha, H P Spoorthy, K R Sanjay and P. Mallu. “In vitro antimicrobial activity of new 2-amino-4-chloropyridine derivatives: A structure-activity relationship study” **Journal of Pharmacy Research** 2015, 9(8), 509-516.
9. **S. Nagashree**, C S. Karthik, L. Mallesha, P. Mallu and S. Bindya. “Antiproliferative Activity of New Schiff Bases Derived From 3-Fluoro-5-(trifluoromethyl)benzylamine”. **International Journal of Scientific Research**, 3(10), 70-73, ISSN No 2277-8179, 2014.
10. **S. Nagashree**, L. Mallesha and P. Mallu. “Synthesis, characterization and *in vitro* biological studies of 6-chloro-pyridin-2-yl-amine derivatives”. **Der Pharma Chemica**, 2013, 5(2) P No. 50-55, 2013.
11. **S. Nagashree**, L. Mallesha, N. A. Chamaraja and P. Mallu. “Synthesis and antimicrobial activity of imatinib intermediates with chloranilic and picric acids”. **JSSCM**, 1, 53, 2012.
12. **S. Nagashree**, P. Mallu, L. Mallesha and S. Bindya. “Synthesis, characterization and antimicrobial activity of methyl-2-aminopyridine-4-carboxylate derivatives”. **Journal of Chemistry**, 2013, 5, 2012.

CONFERENCES ATTENDED:

1. C. S. Karthik, L. Mallesha, M. V. Santhosh, **S. Nagashree**, P. Mallu “Synthesis, Characterization, Antimicrobial Activity, and Optical Properties of Schiff Bases Derived from 4-(Aminomethyl) Piperidine” presented at the International Conference on Advanced Materials and Technology held on 26-28 May 2016 at Sri Jayachamarajendra College of Engineering, Mysore.
2. C. S. Karthik, L. Mallesha, M. V. Santhosh, **S. Nagashree**, P. Mallu “Synthesis And Biological Evolution Of 4-Aryl-1-(1,4-Benzodioxane-2-Carbonyl)Piperazines Derivatives” presented at the National Conference on Applications of Modern Analytical Techniques to Fundamental Research in Chemistry held on 9-10 March 2016 at PG department of chemistry, JSS college of Arts Commerce & Science, Mysore.
3. **S. Nagashree**, C S. Karthik, B L. Sudarshan, L. Mallesha and P. Mallu “ Synthesis And *In Vitro* Antimicrobial Activity Of 2-Amino-3-Chloro-5-(Trifluoromethyl) Pyridine Derivatives” presented at the 103rd Indian Science Congress held on 3-7 January 2016 at Univeresity of Mysore, Mysuru.
4. Two days National Conference on “Current Trends in Chemical Biology” Organized by PG Department of Chemistry on 2nd – 3rd March 2015 at JSS College of Arts, Commerce & Science , Mysore.
5. **Nagashree S**, B L Sudarshan, L Mallesha, S Bindya, K R Sanjay and P Mallu “Synthesis of New Schiff Bases derived from 2-Amino-4-Chloropyridine as antimicrobial agents”,

presented at the International Symposium on Chemical Biology Approach to Metabiomics and Second Annual Meeting of Chemical Biology Society, India in University of Mysore, Mysuru during 18-19 February 2015.

6. Two days National Conference on “Advances in Polymeric Materials (Energy, Environment & Health)” Organized by Department of PST and Indian Rubber Institute on 25th- 26th April 2014 at SJCE, Mysore.
7. **S. Nagashree**, L. Mallesha, P. Mallu and S Bindya. “Synthesis and characterization Of 3-Fluoro-5-(trifluoromethyl)benzylamine Derivatives”, presented at the National Conference on Recent Trends in Chemical Research at Sri Jayachamarajendra College of Engineering, Mysore during 3-4 January 2014.
8. **S. Nagashree**, P. Mallu, L. Mallesha and S Bindya. “Synthesis, characterization and antimicrobial activity of methyl-2-aminopyridine-4-carboxylate derivatives”, presented at the International Conference on Recent Advances in Material Science and Technology-2013 in Surathkal, Mangalore during 17-19 January 2013.

SHORT-TERM COURSES /WORKSHOP ATTENDED:

1. Eight days National Training on Applications and Trouble shooting of Scientific Equipments conducted by organized by Institute of Excellence, University of Mysore from 01-08 december 2017, Mysuru.
2. One week AICTE recognized short term course on Nanotechnology: Developments and Applications conducted by Applied Science Department from 22-26 May 2017 at NITTTR, Chandigarh.
3. Two day seminar and exhibition on Energy mix: Need for the Nation organized by Department of Chemistry, National Institute of Engineering in association with Indian Nuclear Society Mysuru Chapter held on January 11-12, 2017. (Sponsored by TEQIP Phase II).
4. One week workshop on PEDAGOGY training programme, an initiative under TEQIP-II organized by SJCE, Mysuru from 7th June to 12th June 2016.
5. One day National Seminar on “Technological Advances in M-Health and Diagnosis of diseases using Retinal imaging”, organized by JSS Research Foundation at SJCE, Mysuru on 25th January 2016.
6. One day seminar on “Material Science and Nanotechnology” organized by Department of chemistry on 29th September 2015 at Vidya Vikas Institute of Technology, Mysuru.
7. Two day workshop on “ Modeling and fabrication of smart materials and nano devices for sensor applications”, organized by Department of Electronics & Communication Engineering on 29th & 30th May 2015 at SJCE, Mysuru (sponsored by TEQIP Phase II).

8. One day Seminar on “Recent Innovations in Bio-Inorganic & Medicinal Chemistry” organized by Department of Chemistry, The National Institute of Engineering, Mysuru on 28th January 2015.
9. One day workshop on “Stress Management and Wellness for Women”, organized by Department of CS on 20th September 2014 at SJCE, Mysore (sponsored by TEQIP Phase II).
10. Two days workshop on Dielectric Materials and devices organized by Department of E&C on 25th -26th July 2014 at SJCE, Mysore (sponsored by TEQIP Phase II).
11. Two days workshop on Quality in Research held on 18th -19th July 2014 organized by SJCE, Mysore (sponsored by TEQIP Phase II).
12. Two days workshop on “Modern Trends in Chemical Research and Their Applications” held on 10th -11th July 2014 organized by Department of Chemistry, NMAMIT, Nitte.
13. One day Guidance and Counselling workshop for women faculty to improve the performance of girl students in Engineering programmes on 30th June 2014 organized by SJCE, Mysore (sponsored by TEQIP Phase II).
14. Two day KSTA Regional Conference on “Science and Technology for Education and Health Care” jointly organised by KSTA and JSS college of Arts, Commerce and Science, on 21st and 22nd February 2014.
15. One day Research talk on “Breast Cancer – Its Cause, Detection and Therapy, organised by SJCE, Mysore, on 17th February 2014 (sponsored TEQIP II).
16. Two day International Symposium on “Chemical Biology – Drug Discovery” organised by UOM, Mysore, on 9th and 10th January 2014.
17. Two day Faculty Development Programme on “Polymer Composites” organised by Department of PST at SJCE, Mysore on 30th and 31st August 2013 (Sponsored by TEQIP Phase II).
18. Two day workshop on “Examination and Evaluation, Academic Auditing and Quality Assurance” at SJCE organized by Department of Env Engg and NTS India CIIL, Mysore held on 24th and 25th August 2013 (TEQIP Phase II sponsored).
19. One day workshop on “Identifying Weak Students” at SJCE, Mysore on 20th July 2013 (Sponsored by TEQIP Phase II).
20. Two Days Workshop on “ RESEARCHY METHODOLOGIES AND LATEX” organized by VTU e-Learning Centre at K S School of Engineering and Management, Bangalore on 1st and 2nd June 2012.
21. One Day Seminar on “RECENT DEVELOPMENTS IN COMPUTER AIDED DRUG DESIGN AND COMPUTATIONAL BIOLOGY” organized by Department of Biotechnology, SJCE on 22nd May 2012.

22. One Day Faculty Development Workshop on Achieving Excellence in Teaching Skills and Values held at PES College of Engineering, Mandya on 26th April 2012.
23. One day seminar on CHEMISTRY OF MATERIALS, On the occasion of International Year of Chemistry 2011, organised by Department of Chemistry and Department of Polymer science and Technology, SJCE, Mysore, on 25th November 2011.
24. Two Day National Level Seminar on “RELEVANCE OF CHEMISTRY IN CHEMICAL BIOLOGY” organised by St. Philomena’s College, Mysore-15 on 21st & 22nd March 2011.