

CURRICULUM VITAE

Sujatha K

Assistant professor,
Chemistry Department,
Karnatak University.

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Academic Qualification:-

- ◆ **PhD Mangalore University, India**
- ◆ **M.Sc (Organic Chemistry), Mangalore University, India. (with I class)**
- ◆ **B.Sc (botany, Chemistry, and zoology), Mangalore University, India. (with I class)**

Current Position:-

Assistant professor, Chemistry Department, Karnatak University, Dharwad-580 003. India.

Research Experience:-

Research experience as Group leader (Scientist) in the area of Synthetic Organic Chemistry at SeQuent Scientific Limited (Formerly Strides Research & Specialty Chemicals Limited) Baikampady, *New Mangalore-575 001. India.*

Successfully developed synthetic method for the synthesis Active pharma ingredients like

1. stavudine, Ibuprofen, Lumefantrine, efavirenz, Ketosuphone, and large scale production

2. Isotretinoin, Lamivudine, calcium fructoborate, pentamidine isethionate. Miconazole nitrate, Omeprazole, Calcium ascorbate, Methixine HCL artemether, Ritonavir, tranexamic acid, 6-Aminopenicillanic acid, cisatracurium besylate, etc

3 Speciality chemicals like ethanox, Lotus (production level)..etc

4. Custom synthesis of many compounds like 4,6-dihydroxy pyrazole pyrimidine, triazine, 4 and 6 nitro indole, 4,6-Dihydroxy pyrazolo pyrimidine..etc

Extracurricular activities:-

- Rashtrapathi Guide Puraskar
- Internal **Environment Health And Safety Auditor**

Areas expertise:-

- A) Synthesis of API, drug intermediates and speciality chemical
- B) Process development and scale up activity
- C) Transfer of process from research and development department to production

List of Research Publications subsequent to award of research degree

| Sl. No | Title Of The Research Paper | Name Of The Journal | ISSN/ISBN No. Of The Journal | Year Of Publication |
|--------|---|--|---|---------------------|
| 1 | Solvatochromic studies on 4-(1,4-diphenyl-1h imidazole-2-ylthio)-2h-chromen-2-one K. Sujatha¹ , Netravati Khanapurmath | Rasayan Journal of Chemistry | Vol, 14, no 2, 2021 | 2021 |
| 2 | A Novel and Efficient Method to Synthesis of Miconazole Analogue and its Intermediates K. Sujatha¹ , Jyoti rao ² , S. Vinayak Bhagwat, Soujanya, | Rasayan Journal of Chemistry | Vol, 14, no 1, 2021 | 2021 |
| 3 | Synthesis and study of 3-methyl-N-[arylylmethylene]-1H-indazol-5-amines from 2-hydroxy-4-amino acetophenone and their anti microbial activity Sujatha.K^a , Jyoti N Rao ^c , A.M.A.Khader ^b and Balakrishna Kalluraya ^b , | International research journal of pharmacy | ISSN 2230-8407 DOI: 10.7897/2230-8407.110874 | 12.08.2020 |
| 4 | Influence of fufuraldehyde derivatives as corrosion inhibition of mild steel in hydrochloric acid A.G. Kalkhambkar, S.K. Rajappa, G.Janakunavar, K.Sujatha | Journal of materials and environmental Sciences | ISSN: 2028-2508 | 2020 |
| 5 | Synthesis, antifungal and anti bacterial activity of n-(4-chloro-2-trifluoroactyl phenyl) - aminothiazole derivatives Sujatha.K^{1*} , Shilpa ² , Ramesh S.Gani ² | International research journal of pharmacy | ISSN 2230-8407 Volume 10, Issue march 2019 | 12.03.2019 |

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|----|--|--|--|------------------------------------|
| 6 | Synthetic studies on 3-aryloxyethyl-4-arylidene amino-5-mercapto-1,2,4-triazoles and biological evaluation as antifungal and antibacterial agents K. Sujatha ¹ , Balakrishna Kalluraya ² and Shrinivas D. Joshi ³ | Rasayan Journal of Chemistry | ISSN Vol. 12 No. 3 1405 - 1417: 0794-1417 | July setember 3.08. 2019 |
| 7 | A Process For The Producing “(S)-1-(2-AMINO-5-CHLOROPHENYL)-1-(TRIFLUOROMETHYL)-3-CYCLOPROPYL-2-PROPANE-1-OL K. Prakash, K. Sujatha , B.G. Krishna, P.K. Vasudeva, Arulmoli Thangavel. | Intellectual Property Of India | 30/2012 | 27/07/2012 |
| 8 | “A Process For Preperation Of “LUMEFANTRINE B.G.Krishna, V.Sudhakar, Sujatha.K , Gajanan Naik, Arulmoli Thangavel. | Intellectual Property Of India | 12/2012 | 23.03.2012 |
| 9 | A Process For Preparation “1-(6-METHYLPYRIDINE-3-YL)-2-[4-(METHYL SULPHONYL)PHENYL] ETHANE K. Prakash, K. Sujatha , B.G. Krishna, Arulmoli Thangavel | Intellectual Property Of India | 48/2011 | 02/12/2011 |
| 10 | Process For Producing “SODIUM IBUPROFEN DEHYDRATE” P.M Akbarali, K.K. Vijayaraj, Ramesh. S. Gani, Sujatha. K , Sumangala V, Mahalinga. M | United States Patent | US 7084,299B2 | 1.09.2006 |
| 11 | Regioselective Reaction: Synthesis And Biological Properties Of Some Novel Mannich Bases Incorporating Aryl nitro Thiophene Moiety. M.Babu, K.Sujatha , Shalini Shenoy and Balakrishna Kalluraya | <i>Indian J.Heterocyclic Chemistry</i> | Volume 18, Jan-March Pp.259-262 | 30.10.2009 |

| Sl. No. | Month and Year | Place | Attended | Presented paper as a delegate (title of the paper) | Resource Person at the Seminar/ Conference/ |
|---------|----------------|-------|----------|--|---|
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| | | | | | Workshop |
| 6 | 10-11th october | Karnataka science college, dharwad | attended | | |
| 7 | 23rd 2016 | April Kuvempu university | | 1. Synthetic studies on thiazole derivative | |

CONFERENCES, SYMPOSIA, SEMINARS ETC., CONDUCTED BY THE DEPARTMENT

| Name of the Conferences Symposia, etc. | State/National / International level | Sponsored by | Date, Month, Year | No.of delegates attended | Papers presented by Dept. Teaching Staff/ Research Scholars/ Students. |
|--|--------------------------------------|---|--|--------------------------|--|
| 1 | 2 | 3 | 4 | 5 | 6 |
| Recent Advances in Chemistry | National level | UGC-DSA-I programme, KU chemistry Alumina association | 24-25, march, 2018 | -- | 2 |
| International Conference on Direct Digital Manufacturing and Polymers (ICDDMAP- 2017) at Center for Rapid and Sustainable Development (CDRSP), Polytechnic Institute of Leiria, Portugal | International | Karnatak University, Dharwad in association with Center for Rapid and Sustainable Development (CDRSP), Portugal | 17 th to 20 th May, 2017 | 500 | 1. Keynote on Shape memory polymers in Tissue Engineering Applications. 2. Anniversary Lecture on Smart Polymers in Biomedical Application. |

Courses Attended: (Refresher/Orientation/Research Methodology/Training Courses. Capacity Building Programs, any other) :

| Sl.No. | Refresher/Orientation/ Training Programs | Institution/ University | Place | Date, Month and Year |
|----------|--|----------------------------|----------------|-----------------------------------|
| 1 | orientation | Karnatak university | dharwad | 04-07-2014- 31-07-2014 |

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|---|--------------------------------|----------------------|-----------|------------------------------------|
| 2 | Specila lecture series | Karnatak university | Dharwad | 26-28 th September 2016 |
| 3 | National level Workshop on XRD | Mangalore University | Mangalore | 3-5 th March 2016 |

Research papers presented in International conferences

1. Synthesis and biological properties of some novel Indazole derivatives

Sujatha K, A.M.A.Khader, Balakrishna Kalluraya, Shyma P.C, T.Arulmoli

Research papers presented in national conferences:

2. Synthetic studies on 1,3,4-oxadiazoles and their Mannich Bases

Sujatha K, A.M.A.Khader, Balakrishna Kalluraya.

National Conference on Current trends in Chemical Research (CTCR) held at the department of chemistry Mangalore University, during the 13-14th May 2006

3. Synthetic studies on 1,2,4-triazoles

Sujatha K, A.M.A.Khader, Balakrishna Kalluraya

Annual National Conference of ICC, held at Dr. H.S. Gour University, during the 26-28th December 2008

4. Synthetic studies on 1,3,4-oxadiazoles and their metal complexes

Sujatha K, A.M.A.Khader, Balakrishna Kalluraya and M.Babu

Annual National Conference of ICC, held at Gurukul Kangri University, during the 26-28th December 2008.

5. Synthesis and Charecterisation and bilogicalactivity of some new thiazole derivatives.

Sujatha K, A.M.A.Khader, Balakrishna Kalluraya

National Conference on Emerging areas in Chemistry(NACEAC), held at the department of chemistry Mysore University, during the 13-07-2009 to01-08-2009

Workshop and Coferences attended:

1. Frontiers in Chemistry

Mangalore university and Jawaharlal Nehru Center forAdvanced Scientific Research

2. Advance in Organic Chemistry and allied applications,

Held at NITK Surathkal

