

CURRICULUM VITAE

Dr. NAVEEN P. BADIGER

ASSISTANT PROFESSOR & HEAD OF THE DEPARTMENT

P.G. Department of studies in Chemistry

J.S.S.College, Vidyagiri

Dharwad-580003, Karnataka, INDIA.

Contact no: 9886175026

E-mail: naveenkud@gmail.com

Objective

Professional opportunity with an organization where my commitment, skills and team-orientation will be of value and gives me a chance to contribute, update my knowledge and enhance my skills.

Education

- **Ph.D** in Organic Chemistry
(Awarded on: **29th June 2012**, Research Supervisor: **Dr.I.M.Khazi, Professor of Organic Chemistry** Karnatak University, Dharwad, Karnataka, India).
Title: **"Studies in Heterocyclic Compounds of Biological Interest"**
- **M.Sc (Organic Chemistry)**, 2003-2005, Grade: **III Rank**. Gulbarga University, Gulbarga, Karnataka, India.
- **B.Sc (Chemistry, Physics and Mathematics)**, 2000-2003, Grade: First Class (64%) S.G.College Koppal; affiliated to Gulbarga University, Gulbarga Karnataka, India.

Subject skills:

- Engineering Chemistry (Theory/Lab)
- Technical Chemistry (III sem. Chemical Engg.)
- Instrumental Methods of analysis (Elective for VIII sem. Chemical Engg.)
- Organic Spectroscopy.

- Advanced Organic chemistry.
- Advanced reactions & Reaction mechanisms.

Ph.D in Organic Chemistry from Karnatak University, Dharwad, India

Thesis title: **"Studies in Heterocyclic Compounds of Biological Interest"**

Summary of the Thesis:

- Designing and synthesis of novel imidazo[2,1-*b*][1,3,4]thiadiazoles.
- Synthesis of imidazo[2,1-*b*][1,3,4]thiadiazole derivatives (Mannich bases and 5-formyl derivatives) as antitubercular and anthelmintic agents.
- Synthesis and antimicrobial activities of sulfide & sulfone derivatives of 4-(2-chloro-4-fluorophenyl)-1,3-thiazol-2-amine/acetamide.
- Heterocyclisation reactions of 5-formyl imidazo[2,1-*b*][1,3,4]thiadiazoles. (Pyrimidine-2,4,6-trione & thioxoimidazolidinone derivatives).
- Synthesis of 2-aminothiazole/thiadiazole analogues of lidocaine as potent local anaesthetic agents & investigation by rat sciatic nerve block.
- Designing and synthesis of thiazolidinedione derivatives as antidiabetic agents - the structural analogues of Englitazone and Troglitazone.
- Biological/ pharmacological screening of some newly synthesized compounds carried out with assistance of other related organizations.

Teaching Experience:

- Worked as Guest Lecturer for 1 year (2006-07) in Post Graduate Department of Studies in Chemistry, Karnatak University, Dharwad.
- Worked as Assistant Professor from 7/8/2008 to 14/10/2014 (6.5 years) in Department of Chemistry, S.D.M. college of Engineering & Technology, Dharwad, Karnataka, India.
- Presently working as Assistant Professor & H.O.D for M.Sc (Organic) students in P.G. Department of studies in chemistry J.S.S. College, Vidyagiri Dharwad.

Computer Knowledge:

- Well acquainted with Chemistry softwares like ISIS Draw, Chem Draw, Chem Sketch.
- Certified e-ACCP professional computer course from APTECH INSTITUTE. Can handle softwares like database designing with Access, web page designing with Front Page, Logic building with Java script & developing applications with Visual Basic 6.0.

Research Publications:

1] Synthesis and antimicrobial activity of novel barbituric acid and thiohydantoin derivatives of imidazo [2,1-b][1,3,4]thiadiazoles.

Naveen P.Badiger, Nitinkumar S Shetty, Ravi.S.Lamani & I M Khazi.

Heterocyclic communications, 15(6), 433-442, 2009.

2] Synthesis & local anaesthetic activities of 2-aminothiazole/thiadiazole analogues of lidocaine.

Naveen P. Badiger, Ashraf khan, M.B.Kalashetti & I.M.Khazi

Medicinal Chemistry Research. (21),1544-1549, 2012 (**Springer**).

3] Synthesis and antimicrobial activities of some ethyl 2-arylthio-6-arylimidazo[2,1-b] thiazole-3-carboxylates and their Sulfones.

N. S. Shetty, R. S. Koti, R. S. Lamani, **N. P. Badiger** & I.M. Khazi.

Journal of Sulfur Chemistry, 29(5), 539-547, 2008.

4] Synthesis and antimicrobial activities of sulfide & sulfone derivatives of 4-(2-chloro-4-fluorophenyl)-1,3-thiazol-2amine/acetamide.

Naveen.P.Badiger, Iqbal Khazi, Ningaraddi S.B. & I.M. Khazi.

Pharmaceutical Chemistry Journal, Vol.46, No.11, February 2013 (**Springer**)

5] Synthesis & Evaluation of Antitubercular Activity of Novel Mannich bases of imidazo[2,1-b][1,3,4]thiadiazoles.

Naveen P.Badiger & I.M.Khazi*.

Advanced Materials Research. Vol. 816-817, 1197-1201 (2013). Oral Presentation (ICMST,2013) DUBAI, UAE.

6] Synthesis of novel 2-alkyl-4-yl-N-(5-thiophen-2-ylmethyl-[1,3,4]thiadiazol-2-yl)-acetamide derivatives as potent local anaesthetic agents.

Nitinkumar S.Shetty, N.Shashidhar & **Naveen P.Badiger***
International Journal of Chemical & Pharmaceutical Sciences. Vol. 6, No.1, 41-45, March 2015.

7] Synthesis of novel 5-([2-(4-fluorobenzyl)-6-arylimidazo[2,1-b][1,3,4]thiadiazol-5-yl] methylene)thiazolidine-2,4-diones as potent Antidiabetic agents.

Naveen P.Badiger*
International Journal of Science & Engineering Applications. Vol.4, Issue 2, 24-29, March 2015.

8] Synthesis of some new Thienopyrimidines & Triazole fused thienopyrimidines & their antimicrobial activities.

Naveen P.Badiger, Santosh.L.gaonkar, Nitinkumar S Shetty*
International Journal of Chemical & Pharmaceutical Sciences. Vol.6 (1), 58-62, March 2015.

9] Synthesis, Hypoglycemic, Hypolipidemic & DNA Cleavage studies of novel 5-((2-thiophen-2-ylmethyl)-6-arylimidazo[2,1-b][1,3,4]thiadiazol-5-ylmethylene)-1,3-thiazolidine-2,4-diones

Naveen P.Badiger*
Communicated to **E.J.M.C.(Elsveier)**.

Peer Reviewer

Reviewed , **Manuscript Number:** MCRE-3580

Title: Ultrasound Promoted Green Synthesis of Spiro [Pyrano[2,3-C]Pyrazoles] as Antioxidant agents

Submitted to **"Medicinal Chemistry Research" Springer publications 2013.**

Conferences attended & papers presented

1. Attended **10th CRSI National Symposium** at **IISc Bangalore**, Karnataka, during **1st -3rd** February 2008.

2. Attended **45th Annual Convention of Chemists 2008** and International Conference on "Recent Advances in Chemistry", P.G. Department of Studies in Chemistry, **Karnatak University, Dharwad**, Karnataka, during 23rd -27th November, 2008.
3. Attended national level seminar on "**Recent Trends in Chemistry**" at Karnataka University, Dharwad, during 18th February 2008.
4. Participated in the Seminar on "**Nanoscience and Nanotechnology (NS/NT)**" conducted at Bangalore Institute of Technology, Bangalore, on 23rd -24th October, 2008.
5. Attended International Colloquium on "**Nanotechnology – Gateway to a Promising Future**" organized by SDM College of Engineering & Technology, Dharwad, Karnataka, during 8th and 9th July 2008.
6. Presented a Poster on the topic "**Imidazo[2,1-b][1,3,4] thiadiazolo 2-4 dione derivatives as potent Antidiabetic agents**" of UGC sponsored National conference on "Recent Advances in Drug Discovery Research" held at **Poona College of Arts, Science and Commerce, Pune, Maharashtra**, during 2008.
7. Attended one day national workshop on "**Nuclear Energy for 21st century**" sponsored by DAE & TEQIP on 27th August 2009 organized by Dept. of physics S.D.M.C.E.T. Dharwad.
8. Attended national conference on "**Emerging areas in chemical & biological sciences**" (**NCEACB-2007**) on March 23&24, 2007 organized by Kuvempu University, Jnana Sahyadri, Shankaraghatta.
9. Participated in one day national workshop on "**Energy sustenance towards a better environment**" on 25th September 2009 organized by Dept. of Chemical

Engineering S.D.M.C.E.T. Dharwad.

10. Participated in "One day refresher course for teachers in chemistry for innovative teaching" hosted by **Dept. of chemistry Bangur nagar college Dandeli**, in commemoration of International year of chemistry-2011.on **Thursday 22nd December 2011**.

11. Participated in faculty development programme "**Training of Trainers on Entrepreneurial Motivation**" on 8th October 2010, organized by SDMCET Dharwad.

12. Participated in one day workshop on "**Advanced materials & their applications**" on **26th march 2011**, organized by **B.M.S. Institute of Technology, Bangalore**.

13. Participated in one day workshop on "**Technology Enhanced Learning**" (TEL) organized by S.D.M college of Engineering & Technology, sponsored by TEQIP 1.2

14. Participated in two days workshop on "**Six Sigma Awareness**" held on 20 & 21st June 2013 organized by S.D.M college of Engineering & Technology, sponsored by TEQIP 1.2

15. Participated in two days workshop on "**Automation & System Design**" held on 25th & 26th June 2013 organized by Department of Mechanical Engg. S.D.M college of Engineering & Technology, sponsored by TEQIP 1.2.

International Conference

1] Oral presentation of Research article "Synthesis & Evaluation of Antitubercular Activity of Novel Mannich bases of imidazo[2,1-b][1,3,4]thiadiazoles" at **4th International Conference on Manufacturing science & Technology (ICMST) 2013 organized by IACSIT held at DUBAI, UAE on August 3-4, 2013.**

Membership

- 1] Member of **IACSIT** (International Association of Computer Science & Information Technology)
- 2] Member of Review Board for **IASIR** (International Association of Scientific Innovation & Research).

Projects handled

Organic Chemistry Projects handled for M.Sc final year P.G students,

- 1] Synthesis & Antifungal activity of novel Azetidinone & Thiazolidinone derivatives.
- 2] Synthesis of novel Local anaesthetic agents as analogues of Lidocaine.
- 3] Synthesis of novel 1,2,4 triazolo thiadiazole derivatives as potent Anticancer agents.
- 4] Synthesis of aminothiadiazole pharmacophores & their antimicrobial assessments.

Personal Details

Date of birth : 30/05/1983
Nationality : Indian
Marital status : Married
Languages known : English, Hindi & Kannada
Area of interest : Organic Synthesis/Medicinal Chemistry.

References

Dr. I. M. Khazi
Research Guide
Professor of Organic Chemistry
Chemistry

Dr. M. V. Kulkarni
Professor of Organic

Department of Chemistry
Karnatak University,
Dharwad - 580 003, India
Mobile No.: +91-9900768968
e-mail: drimkorgchem@gmail.com
drmvk274@yahoo.co.in

Department of Chemistry
Karnatak University,
Dharwad - 580 003, India
+91-836-2770476 (Res)
e-mail:

Declaration: I hereby declare that all the information provided above is correct & valid.

Place: Dharwad

Yours Sincerely

Date:

Dr. NAVEEN.P.B