



Dr. Prashant B. Hiremath
Assistant Professor in
Chemistry

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 Devarashighalli-591153, Tq:
 Channamma kittur, Dist:
 Belagavi, Karnataka, INDIA



3rd July, 1989



1. To obtain a challenging position in teaching and research in Organic chemistry that offers challenging opportunity for advancement of the Organization.
2. Professional opportunity with an organization, where my commitment, skill, and team orientation will be of value and gives me a chance to update my knowledge and enhance my skill and experience.

ACADEMICS

Ph. D. [Organic Chemistry]

Rani Channamma University, Vidyasangama, PB-
 NH4, Belagavi-591156,

Research Supervisor: Prof. K. Kantharaju

20/04/2016 to 30/06/2021

Ph.D. Awarded on: 30/06/2021.

INDIA, Karnataka

Course work passed with 65.33%

Course work subjects: Research Methodology, Core
 subject, Field of Specialization

Title of thesis: "Development of green protocols
 for the synthesis of heterocycles, amino acid
 derived heterocycles and their biological
 applications"

M. Sc. [Organic Chemistry]

S K E's Govindram Seksaria Science College, Belagavi
 Affiliated to Rani Channamma University,
 Belagavi.

05/2011 to 06/2013

INDIA, Karnataka

Passed with 65.16 % and undertaken a project
 Project Title : Synthesis of hitherto unknown
 tricyclic heterocyclic Cinnoline derivatives and
 their bio-applications.

B. Sc. [Physics, Chemistry and Mathematics]

KLES's R. L. Science College, Belagavi.

04/2008 to 05/2011

INDIA, Karnataka

Degree passed with 64.61%

Subjects: Physics, Chemistry and Mathematics

KEY SKILLS

Planning and Organizing

Optimistic

Problem Solving

Decision Making

Smart Worker

Leadership

WORK EXPERIENCE

- Assistant Professor
 P G Department of Chemistry, R. L. Science
 Institute, Belagavi-590001.
 19-08-2021 to till date
- Assistant Professor
 P G Department of Chemistry, Maratha
 Mandal's Arts, Commerce, Science & Home
 Science College, Belagavi-590016.
 10-12-2020 to 18-08-2021
- Lecturer
 U.G. Dept. of studies in Chemistry, JSS
 Banashankari Arts, Commerce & S. K.
 Gubbi Science College, Vidyagiri,
 Dharwad-580004. 09-07-2015 to 18-04-2016
- Lecturer
 P G Department of Chemistry, Maratha
 Mandal's Arts, Commerce, Science & Home
 Science College, Belagavi-590016.
 07-08-2014 to 02-07-2015
- Lecturer
 P G Department of Chemistry, JSS Arts,
 Science and Commerce college, Gokak-
 591307.
 Nov-2013 to July-2014

LANGUAGES

English



Kannada



Hindi



BROAD AREA OF INTEREST

Synthetic work involves one-pot and multi step synthesis of heterocyclic compounds.

Establishment of novel agro-waste derived catalysts for organic transformations as well heterocycles synthesis under room temperature, grinding, ultrasound and microwave techniques as a tool for green chemistry in particular.

Characterizations of all the agro-waste sourced catalysts is done by employing flame photometry, XRD, SEM-EDX and FT-IR.

Biological evaluation activity involves in-vitro Anti-microbial and anti cancer activities.

Characterizations of all the newly synthesized molecules involves the use of IR, ^1H , ^{13}C -NMR, GC-MS, LC-MS and ESI-MS.

LIST OF PUBLICATIONS



Indian Patent

1. Synthesis of 4-benzylidene-2-(2-fluorophenyl)oxazol-5(4H)-one derivatives catalysed by biowaste
Applicants: Prashant B. Hiremath, K. Kantharaju*

Indian patent granted on 05-05-2022,
Patent No.: 396190



Chemistry Select

2. An Efficient and Facile Synthesis of 2-Amino-4H-pyrans & Tetrahydrobenzo[b]pyrans Catalysed by WEMFSA at Room Temperature

Authors: Prashant B. Hiremath, K. Kantharaju*

ChemistrySelect, 2020, 5(6), 1896-1906.



Polycyclic Aromatic Compounds

3. Microwave-accelerated facile synthesis of 1H-pyrazolo[1,2-b]phthalazine-5,10-dione derivatives catalysed by WEMPA

Authors: Prashant B. Hiremath, K. Kantharaju*

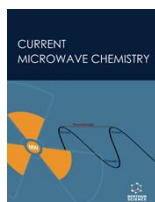
Pol. Arom. Comp., 2020, DOI:
10.1080/10406638.2020.1830129



Royal Society of Chemistry

4. Microwave-assisted Synthesis of 4-Benzylidene-2-(2-fluorophenyl) Oxazol-5(4H)-one Derivatives Catalyzed by Egg Shell Powder and Evaluation of Their Anti-microbial Activity. (Book Chapter)

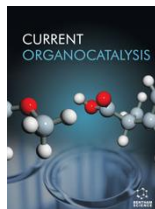
Authors: Prashant B. Hiremath, K. Kantharaju*, S. H. Pattanashetty
Conference on Drug Design and Discovery Technologies, The Royal Society of Chemistry, 2020, 123–128.



Current Microwave Chemistry

5. A Microwave Accelerated Sustainable Approach for the Synthesis of 2-amino-4H-chromenes Catalysed by WEPPA: A Green Strategy.

Authors: Prashant B. Hiremath, K. Kantharaju*
Curr. Micro. Chem. 2019, 6(1), 30-43.



Current Organocatalysis

6. Ultrasound-promoted sustainable synthesis and antimicrobial evaluation of 2-Aryl benzimidazoles catalyzed by BPAE at room temperature.

Authors: Prashant B. Hiremath, K. Kantharaju*
Current Organocatalysis, 2021, 8(1), DOI:
10.2174/2213337208666210212122027.



Current Microwave Chemistry

7. Microwave-assisted One-pot Synthesis of Amide Bond using WEB.
Authors: K. Kantharaju*, S. Y. Khatavi and Prashant B. Hiremath.

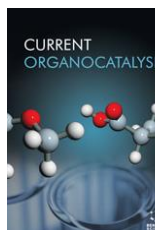
Curr. Micro. Chem. 2020, 7(1), 50-59.



Indian Journal of Chemistry Sec-B

8. WEB: A green and an efficient catalyst for Knoevenagel condensation under grindstone method

Authors: K. Kantharaju*, Prashant B. Hiremath
Ind. J. Chem. Sec. B, 2019, 58B(6), 706-713.



Current Organocatalysis

9. Agro-waste sourced catalyst as an eco-friendly and sustainable approach for Knoevenagel condensation reaction.

Authors: K. B. Badiger, S.Y.Khatavi, Prashant B. Hiremath, K. Kantharaju*
Current Organocatalysis, 2021, 9,
DOI:10.2174/22133372096662112221454
53

LIST OF PUBLICATIONS



Indian Journal of Chemistry Sec-B

10. Application of novel, efficient and agro-waste sourced catalyst for Knoevenagel condensation reaction

Authors: K. Kantharaju*, Prashant B. Hiremath

Ind. J. Chem. Sec. B, 2020, 59B(2), 258-270.



Indian Journal of Chemistry Sec-B

11. Zinc dust catalyzed efficient synthesis of 4-arylidene-2-phenyl-5(4H)-oxazolones

Authors: Prashant B. Hiremath, K. Kantharaju*

Ind. J. Chem. Sec. B, 2020, 59B(7), 1010-1015.



Indian Journal of Chemistry Sec-B

12 CuI-NPs Catalyzed Mechanochemical Assisted N-Boc Protection of Primary Amines
Authors: K. Kantharaju*, Prashant B. Hiremath

Ind. J. Chem. Sec. B, 2020, 59B(7), 1016-1024.



Asian Journal of Chemistry

13. One-Pot, green approach synthesis of 2-aryl substituted benzimidazole derivatives catalyzed by water extract of papaya bark ash
Authors: K. Kantharaju*, Prashant B. Hiremath

Asian J. Chem. 2018, 30(7), 1634-1638.

CONFERENCE/WORKSHOP/SEMINAR

AWARDS AND APPRECIATIONS

- 1. 1st prize for best oral presentation: National conference** on Recent Advances at Interfaces of Physical and Life Sciences (RAIPLS-2018) on 4th & 5th July, 2018 @ Rajasthan University, Jaipur, Rajasthan.
- 2. 2nd prize for best poster presentation: National conference** by KSTA on 1st & 2nd February, 2019 @ NMKRV College, Bengaluru.
- 3. 3rd prize for best poster presentation: National conference** by KSTA on 30th & 31st January, 2020 @ University of Mysore, Manasagangotri, Mysuru.
- 4. 1st prize for best poster presentation: International Conference** on "Accelerating Innovations in Material Science" AIMS-2020 held ONLINE from 4th to 7th August, 2020 @ BMS Institute of Technology & Management, Bengaluru.

i) National workshop/seminar

- 92nd National Workshop on "Radiochemistry and its applications of radioisotopes" held on 20th to 26th October, 2016, Participated, Rani Channamma University, Belagavi.
- National Seminar on Nuclear chemistry held on March 19, 2018, Participated, Maratha Mandal's Arts, Commerce and Science College, Belagavi.

ii) National conference

- On "Recent Advancements in Nano-Science and Technology (RANST-2017)" on 21st & 22nd April 2017, Presented research paper poster entitled "*CuI-NPs catalyzed mechanochemical assisted synthesis of N-Boc protection of primary amines*"
Government Science College, Chitradurga.
- Two day "National Conference on Science & Technology: Reaching the Unreached (NCS-TRU 2017)" on 8th & 9th September 2017, Presented research paper poster entitled "*A green protocol for Knoevenagel Condensation Reaction in WEB*"
Mangalore University, Mangalore.
- "XXXVI National Conference, Indian Council of Chemists" held on 26th to 28th December 2017, Presented research paper poster entitled "*WEB: A green catalytic system for the synthesis of biologically active Benzimidazole derivatives*"
Andhra University, Vishakhapatnam, Andhra Pradesh.
- 10th Annual Conference Decennial Celebration on "Science and Technology for Future Humanity" on 18th & 19th January 2018, Presented research paper poster entitled "*Ultrasound promoted green method synthesis of 4H-pyrans using WEB*"
REVA University, Bangalore.

11. 37th Annual Conference of Indian Council of Chemists (ICC) on 12th to 14th December 2018, Participated and presented a paper entitled “*Agro-waste catalyzed efficient synthesis of Anilides by Acylation of substituted Aryl amines*”

NITK, Surathkal.

12. National Level Peptide Conference on “Synthetic and Biological Peptides: Structures and Strategies for the Development of Drugs, Biologics, and Materials” held on 14th & 15th March 2019, Participated and presented a paper entitled “*Utilizing Fmoc-amino acid chlorides in the synthesis of benzimidazole derivatives of biologically potency*”

Bangalore University, Bengaluru.

iii) International conference

13. On emerging trends in chemical sciences (ICETCS 2017) from 14th to 16th September 2017, Participated and presented a paper entitled “A green approach for the synthesis of 2-amino-4H-chromene derivatives using WEPBA”

Manipal University, Manipal

14. Virtual International Conference on Recent Trends in Green Chemistry (ICRTGC-2021) from 28th to 30th September, 2021, Participated and presented a paper entitled “*Green and an efficient synthesis of 1H-pyrazolo[1,2-b]phthalazine-5,10-diones catalyzed by WEPPA*”

Akal University, Kolkata

15. Participated in National Webinar on “Mitigation and Adaption to Climate Change” held on 25th September, 2021

Acharya Institute of Graduate Studies, Bengaluru.

16. Participated in workshop on “How to write Research Proposal” held on 24th January 2022.

IEC University, Baddi (HP).

17. Participated on One day “Workshop on National Education Policy – 2020” held on 13th October, 2021

Rani Channamma University in collaboration with the K.L.E. Society's Raja Lakhamagouda Science Institute (Autonomous), Belagavi

18. 5-Day Faculty Development Programme on “*Accelerating Innovations In Material Science-Surface Characterization*” from 18th to 22nd May, 2021, organized by Department of Chemistry, BMS Institute of Technology & Management, Bengaluru.

Responsibilities

1. Convener – Institution’s Innovation Council (IIC), KLE Society’s R.L.Science Institute, Belagavi
2. Member of NAAC (Criterion 1)

Membership

1. Life member of Indian Society of Analytical Scientists (ISAS) Belagavi Chapter (Membership No: LM-ISAS-B-024).

Profile links

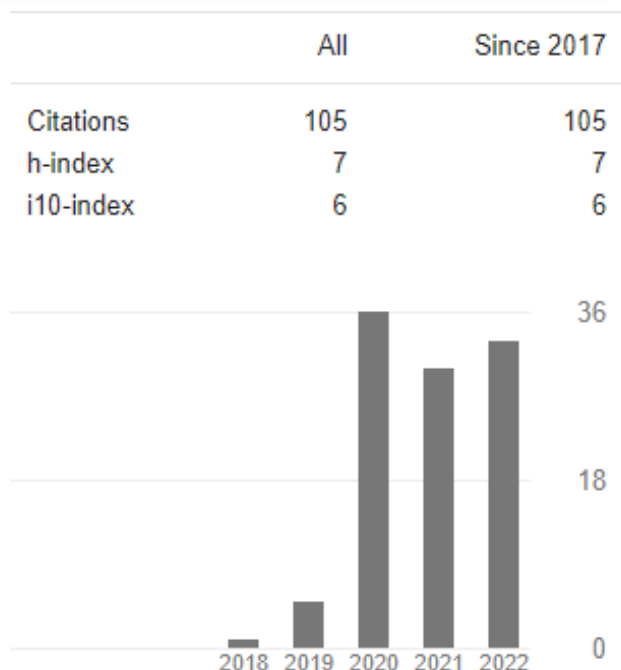
1. Research gate:

<https://www.researchgate.net/profile/Prashant-Hiremath-2>

2. Google scholar:

<https://scholar.google.com/citations?user=RFuYvgoAAAJ>

Citations: Graphical representation



REFERENCES

1. *Prof. K. Kantharaju,*

Professor & HOD, PG Department of Chemistry
Rani Channamma University, Belagavi, Karnataka,
INDIA

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+91 9449880063

2. *Prof. J. Manjanna*

Professor,
PG Department of Chemistry,
Rani Channamma University, Belagavi,
Karnataka, INDIA

Contact: jmanjanna@rediffmail.com

+91 9916584954

3. *Dr. Manjunath D. H*

Assistant Professor, PG Department of
Chemistry, Davangere University,
Davangere, Karnataka, INDIA.

Contact: manjunathdh@gmail.com

+91 9886646232

4. *Dr. Shridhar Malladi*

Assistant Professor and Dy. Controller of
Examinations, KLS Gogte Institute of
Technology, Belagavi, Karnataka, INDIA

Contact: shridhar_malladi@git.edu

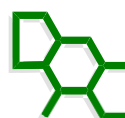
+91 9739149479

DECLARATION

I hereby declare that the above information is true to the best of my knowledge and I assure that I will discharge my duties to the best of my ability and mutual benefits.



PLACE: Karnataka, INDIA



**Dr. Prashant B
Hiremath**