

PERSONAL PROFILE

1. Name in full : **Dr. Kiran Neminath Patil.**
Head & Assistant Professor
Department of Chemistry
2. Date of Birth : 27/07/1985
3. Sex : Male
4. Marital Status : Married
5. Blood Group : A⁺ Rh
6. Permanent Address : A/P – Minche Khurd,
Tal – Bhudargad,
Dist-Kolhapur
Maharashtra- 416223.
7. Correspondence Address : Department of Chemistry,
Dr.Ghali College,
Gadhinglaj - 416502
8. Qualification : M. Sc., NET, Ph.D.
9. Subject : Chemistry
10. Subject specialization : Organic Chemistry
11. Designation : Assistant Professor
12. Date of joining : **11/07/2012**
13. Teaching Experience : UG-11 year , PG -02 year
14. Name of the College : Dr. Ghali College, Gadhinglaj.
15. Affiliating University : Shivaji University, Kolhapur
16. a) **Research Project Completed - Minor Research Project**

Project Title – “Microwave Assisted Synthesis and Biological Evaluation of Heterocyclic Compounds”

- **Funding Agency – UGC-CSIR, New Delhi.**
- **Amount : Rs – 3.6 Lakh**
- **Period : 01/04/2016 to 31/03/2018 (Two Years)**

Status: Completed

b) Lead College Project

Project Title – “Studies on the synthesis of Nitrogen and Oxygen Containing Heterocyclic Compounds”

➤ **Funding Agency – Shivaji University, Kolhapur**

➤ **Amount : Rs – 10,000/-**

➤ **Period : 20/11/2022 to 05/06/2023 (06 Months)**

Status: Completed.

c) Diamond Jubilee Research Initiation Scheme-

Project Title – “Development of Green Methodologies for the Synthesis of some Heterocyclic Compounds”

➤ **Funding Agency – Shivaji University, Kolhapur**

➤ **Amount : Rs – 1.25 Lakh**

➤ **Period : 20/12/2023 to 20/12/2025**

Status: Ongoing

17. **Awarded by Summer Research Fellowship Programme 2016 by Indian Academy of Sciences, Bangalore and completed the programme at IIM, Jammu for two months.**

18. **Worked as Convener to organize district level Shivaji University Avishkar Research Competition in our college on 26th Dec. 2016.**

19. Publications & Paper Presentation

➤ One pot multicomponent synthesis of highly functionalized tri-substituted imidazole derivatives using TiO₂-rGO nanocomposite as a recyclable catalyst.

Vivek S. Ingale , **Kiran N. Patil** , Pankaj S. Dafale , Deepak A. Kumbhar , Pravin R. Kharade , Uttam B. Chougale , [Chemical Data Collections 47 \(2023\) 101075](#)

➤ Synthesis and in vitro evaluation of tetrahydropyridines as potential CDK2 and DprE1 inhibitors.

Pravin R. Kharade, Uttam B. Chougale, Dipak S. Gaikwad, Satish S.

Kadam, **Kiran N. Patil**, Sanket S. Rathod⁴ · Prafulla B. Choudhari,

Savita S. Desai. Research on Chemical Intermediates, 2024

<https://doi.org/10.1007/s11164-024-05228-2>

- **Efficient Synthesis of Quinoxaline Derivatives Using A Camforsulphonic Acid as an Organocatalyst.**
C. D. Bhenki , **K. N. Patil** , *Inter. J of Research & Analytical Review*, 2022 , 9, 1, 103 – 109.

- **Knovenagel Condensation Catalysed By Triethanolamine**
C. D. Bhenki , S. S. Karhale, T.S. Thopate, **K. N. Patil** , V. B. Helavi, *Wesleyan J of Research*, 2021 ,14, 24,20 – 29.

- Participated in International Web conference on Advances in Material Science and Applied Biology on 27th and 28th Jan 2022 organized by Dr. Patangrao Kadam Mahavidyalaya, Ramanandnagar (Burli)

- Presented research paper titled ‘*A Simple and An Efficient One Pot Synthesis of Hantzsch 1,4-Dihydropyridines Using 5-Sulphosalicylic Acid (5- SSA) as an Organocatalyst*’ in the Fourth National Conference on “Recent Trends in Pure and Applied Sciences” held on 21st and 22nd January, 2022 organized by Dr. Patangrao Kadam Mahavidyalaya, Sangali.

- **5- Sulfosalicylic acid 5-SSA: An efficient Organocatalyst for the synthesis of 4- Methyl Coumarins via Pechmann Condensation.**
C. D. Bhenki , S. S. Karhale, **K. N. Patil** , V. B. Helavi, *RASAYAN J. of CHEMISTRY*, 2020 ,13, 4, 2466 – 2473. <http://dx.doi.org/10.31788/RJC.2020.1345950>.

- **Ecofriendly Organic synthesis for Sustainable Development.**
Chandrakant D. Bhenki, **Kiran N. Patil**
Aayushi International Interdisciplinary Research Journal, 2021, 88, 67-70.

- **One pot multicomponent synthesis of highly functionalized tetrahydropyridine using copper (II) triflate as catalyst and their anti-inflammatory activity.**
Kiran N. Patil , Rohan A. Mane , Sandip B. Jadhav , Mansing M. Mane, Vasant B.Helavi, *Chemical Data Collections*, 2019,21,<https://doi.org/10.1016/j.cdc.2019.100233>

- **Oxalic acid: L-proline (LTTM) Mediated Synthesis of 2-substituted Benzothiazole Derivatives**
Kiran N. Patil , Rahul K. Bhat, Chandrakant D. Benki , Vasant B. Helavi, *Chemical Data Collections* , 2019, 24, <https://doi.org/10.1016/j.cdc.2019.100307>

- **Microwave Assisted Efficient Syntesis of 5H-dibenzo [b,i] xanthen-**

tetraones by using K_2CO_3 as base catalyst and their Biological Evaluation

Kiran Patil, Vasant Helavi

Chemistry & Biology Interface, 2019, 9, 2, 88-95.

- The research paper entitled “Microwave Assisted Efficient Synthesis of Chalcones and its Derivatives Using Chitosan Hydrogel as Green and Recyclable Catalyst” published in an international multidisciplinary quarterly research journal **Ajanta**. Vol.VII, Issue.1, **March 2019**, 131-136 with ISSN **2277-5730**.
- The research paper entitled “Oxalic acid: L-proline (LTTM) as a new generation designer solvent for green and efficient synthesis of 2-substituted benzimidazole derivatives” presented in **National Conference on Science and Technology for Sustainable Development** at Jaysingpur College, Jaysingpur on **20 Jan 2019**.
- The research paper entitled “Biodegradable Plastic Production from Corn Starch” presented in **National Conference on Innovative Approaches in Pure and Applied Sciences** at Bhogawati Mahavidyalaya, Kurukali on **07 Feb 2019**.
- The research paper entitled “Chitosan Hydrogel as green and recyclable catalyst for the efficient synthesis of Chalcones as agricultural chemical” presented in National Conference on **Sustainable Agriculture** at Devchand College, Arjunnagar on **12 Feb 2019**.
- Published the research paper entitled “**Zirconocene catalyzed synthesis of 2-Substituted benzimidazole derivatives**” in peer reviewed research journal *Research on Chemical Intermediates* October 2016, Volume 42, Issue 10, pp 7257–7268.
- Presented a research paper entitled “**Microwave assisted green synthesis of 1H-Pyrazolo [1, 2-b] Phthalazine-5, 10-Dione Derivatives with CTAB capped ZnO nanoparticles as catalyst**” in International Conference on Advances in Material Sciences at Raje Ramrao Mahavidyalaya, Jath on 07th -08th December 2016.
- Presented a research paper entitled “**Microwave assisted one -pot synthesis of bowl -shaped molecular architecture from phloroglucinol and ninhydrin**” in National Conference on Emerging Trends in Chemical and Physical Sciences at Yashwantrao Chavan Warana Mahavidyalaya, Warananagar on 14th February 2017.
- Presented a research paper entitled “**Microwave Assisted Synthesis of Organometallic Complexes of Ni (II), Co(II) and Zn(II) with bis-(N,N-disalicylidene ethylenediamine)**” in Materials and Environmental Sciences at Shri Yashwantrao Patil Science College, Solankur on 15th February 2017.
- Presented a research paper entitled “**Impact of Pesticides on Human Beings**” in UGC sponsored National seminar on Hazardous Effects of Pesticides on Human

- Beings at Raja Lakhamagounda Science Institute, Belgavi, Karnataka on 23rd January 2016.
- **K.N.Patil**, V.B.Helavi, S.A.Masti,A.G.Godghate
Potential Contribution of Bioenergy for the Worlds Future Energy Demand Presented in UGC sponsored National conference on Recent Trends & Future Prospects in Multidisciplinary Approaches in Microbiology at Rajaram College, Kolhapur on 4th and 5th Oct. 2014.
 - **K.N.Patil^{a*}**, C.N.Taral^a, K.D.Desai^a, M.N.Kadarbhai^a,
The Future of Nuclear Power in India.
Presented in UGC sponsored National conference on Recent Trends in Chemical Sciences at Devchand College, Arjunnagar on 18th and 19th Sept.2014
 - **K.N.Patil, Minal R.Mali , Rutuja D. Lohar**
Global Warming and its Impact on Climate of India.Presented in International Conference on Emerging Trends in Basic and Applied Sciences at K.H.College, Gargoti on 10th March 2015.
 - Nakade Dhanraj B., Mahesh S. Kadam., **Kiran N. Patil**, Vinayak S. Mane,
Phytochemical screening and Antibacterial Activity of Western Region wild leaf Colocasia esculenta, *International Research Journal of Biological Sciences*, **2013**,2(10),18-21.
 - **Patil K.N.**, Ghevade S.S., Ajalkar B.D.,*Phytochemical Extraction and Screening: A Review*
Presented in National conference on Drug Designing and Discovery at Devchand College, Arjunnagar on 6th and 7th sept.2013.

20. Participation in workshop-

- Research committee has organized **State Level Online Webinar on IPR Awareness Programme** 2022 on 08/04/2022 & Resource Person was **Mr. Amol Patil, Examiner of Patents & Design, Patent office, Mumbai.**
- Worked as Co-ordinator to organize **One Day Online Workshop on Revised Syllabus of B.Sc. III Organic Chemistry (CBCS) Paper No. X & XIV** on 27/01/2021.
- Participation in one day workshop on **C.B.C.S.** organized by The New College, Kolhapur on 03/07/2018.
- Participation in one Day workshop on **“Trainers Training Programme of Avishkar”** organized by D.R.Mane Mahavidalaya, Kagal on 01/11/2018.

- Participation in the **Avishkar 2018-19 Research Project Competition** at Shri Vijaysinha Yadav Arts and Science College, Peth Vadgaon as a **Team Coordinator** on 27/12/2018.
- Participation in one Day workshop on “Avishkar Orientation Programme”, organized by Shri Shahaji Chhatrapati Mahavidyalaya, Kolhapur on 01st Sept 2016.
- Participation in one Day workshop on “Presentation of poster & Research paper for Avishkar Competition” organized by Tukaram Krishnaji Kolekar Arts & Commerce College, Nesari on 05th October 2016.

21. Examination Work-

- A) Worked as Junior and Senior supervisor for Shivaji University Examination.**
- B) Worked as External / Internal Practical Examiner for Shivaji University Examination**

22. Administrative Responsibilities:

1. Research & Development Cell -	Head
2. NAAC Steering Committee -	Member
3. Admission Committee –	Member
4. Competitive Examination Committee -	Member
5. Library Committee –	Member
6. Vivek Vahini Committee –	Member
7. Student Welfare Committee-	Member