

# Curriculum Vitae

## MR. PRAVIN RAMCHANDRA KHARADE

*M. Sc. NET-JRF (UGC), SET, GATE*

**Assistant Professor of Chemistry,**  
Karmaveer Hire Arts, Science, Commerce & Education College,  
Gargoti, Hu. Muralidharnagar, Tal- Bhudargad, Dist- Kolhapur.  
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### Personal Information –

### Educational Qualification

Date of Birth -

20/05/1989

Permanent Address –

A/p- Kasari, Tal – Kagal,

Dist – Kolhapur.

Pincode – 416218.

Blood Group – A<sup>+</sup> Rh

Sex – Male

Marital Status – Married.

Hobbies –

Singing, Dancing etc

Teaching Experience –

UG – 10 Years

PG – Guest Lectures

Research Experience –

10 Years

**SET: Savitribai Phule Pune University, Pune.**  
[2016], Qualified.

**NET-JRF: CSIR-UGC, New Delhi.**  
[2013], Qualified. AIR- 118.

**GATE: IIT, Bombay.**  
[2013], Qualified.

**GATE: IIT, Delhi.**  
[2012], Qualified.

**M. Sc.: Shivaji University, Kolhapur, Maharashtra, India.**  
[2010-2012], Organic Chemistry. Grade- A<sup>+</sup>

**B. Sc.: Devchand College Arjunnagar, Maharashtra, India.**  
[2007-2010], Chemistry. First Class with Distinction.

**HSC: Devchand College, Arjunnagar, Maharashtra, India.**  
[2006-2007], PCM. Second Class.

**SSC: S. L. Vidyalaya & Jr. College, Hasur Kh., Maharashtra.**  
[2004-2005], Maths, Science, Soc. Science. First Class.

### Expertise

1. MS-Word, MS-Excel, MS-PowerPoint and other computer software.
2. Synthesis of heterocyclic compounds.
3. Analysis of Spectroscopic Data.

## Patents

**1. Mr. Pravin Ramchandra Kharade**, Prof. Dr. Savita Sanjay Desai, Dr. Dipak Subhash Gaikwad, Mr. Vikram Mahipatrao Desai, Prof. Dr. Suresh S. Patil, Prof. Dr. Madhukar Baburao Deshmukh.

“Automated Microreactor System For Synthesis and Bioactivity Screening”

### Indian Design

Grant date – 21/06/2025.

**2. Mr. Vikram Mahipatrao Desai**, Prof. Dr. Suresh Sopanrao Patil, Prof. Dr. Madhukar Baburao Deshmukh, Prof. Dr. Savita Sanjay Desai, Prof. Dr. Sanjay Vishnu Pore, **Mr. Pravin Ramchandra Kharade**, Dr. Ramesh Shrimant Yalgudre, Dr. Trushant Ramchandra Lohar.

“A system for KI-oxone catalyzed ultrasound based synthesis of imidazo[1,2-a]-pyridine-3-carboxylates (IPCs)”

### German Utility

Grant date – 21/06/2025.

**3. Mr. Pravin Ramchandra Kharade**, Prof. Dr. Savita Sanjay Desai, Dr. Dipak Subhas Gaikwad, Dr. Uttam Bandu Chougale, Dr. Kiran Neminath Patil.

“Device for in-vitro evaluation of tetrahydropyridines as inhibitors in anticancer and anti-tubercular research”

### United Kingdom Design

Grant date – 28/08/2024.

## Research Project

**Title** - Green synthesis of new biologically active pyrazolone derivatives.

**Funding Agency** – Shivaji University, Kolhapur (Research Initiation Scheme).

**Amount** – Rs. 95,000 /-

**Period** – 2018-2020.

**Status** – Completed.

## Publications

1. Satish S. Kadam, Dipak S. Gaikwad, **Pravin R. Kharade**, Rutika P. Patil, Prafulla B. Choudhari, Savita S. Desai. In vitro anti-inflammatory activity and molecular docking study of pyranopyrazole derivatives synthesized using basic ionic liquid. *Journal of the Iranian Chemical Society*, 2025, ISSN - . IF. 2.2

2. **Pravin Kharade**, Dipak Gaikwad, Sanket Rathod, Uttam Chougale, Satish Kadam, Kiran Patil, Prafulla Choudhari, Savita Desai. Assessing [DMAP-DABCO]AcO as an effective dual basic ionic liquid for the synthesis of chromeno[2,3-*d*]pyrimidine derivatives and exploring their anti-cancer activity through computational analysis. *Journal of Molecular Liquids*, 416, 2024, 126484. ISSN - 0167-7322. IF. 5.3

3. **Pravin R. Kharade**, Uttam B. Chougale, Dipak S. Gaikwad, Satish S. Kadam, Sanket S. Rathod, Prafulla B. Choudhari, Savita S. Desai. Synthesis and in vitro evaluation of tetrahydropyridines as potential CDK2 and DprE1 inhibitors. *Research on Chemical Intermediates*, 50, 2024, 1778-1808. ISSN – **IF: 3.3**

4. **Pravin. R. Kharade**, Uttam. B. Chougale, Satish. S. Kadam, Kiran. N. Patil, Prakash S. Pawar, Savita. S. Desai. Microwave-Assisted Synthesis of Pyrazole and Its Hybrid Scaffolds as Potent Biological and Pharmacological Agents: A Short Review. *Journal of Shivaji University: Science and Technology*, 49 (2), 19-35.

5. Vivek S. Ingale, Kiran N. Patil, Pankaj S. Dafale, Deepak A. Kumbhar, **Pravin R. Kharade**, Uttam B. Chougale. One pot multicomponent synthesis of highly functionalized tri-substituted imidazole derivatives using TiO<sub>2</sub>-rGO nanocomposite as a recyclable catalyst. *Chemical Data Collections*, 47, 2023, 101075. ISSN - 2405-8300,

6. **Kharade P. R.**, Chougale U. B., Patil K. N. and Desai S. S. An overview of synthesis of different bioactive heterocycles using ionic liquids. *Aayushi International Interdisciplinary Research Journal*. Special Issue August 2022, 22-25. ISSN- 2349-638x. **IF: 7.149**.

7. U. B. Chougale, **P. R. Kharade**, V. A. Jagtap, K. N. Patil and S. R. Dhongade. Synthesis of indole derivatives as promising agent- A brief review. *Aayushi International Interdisciplinary Research Journal*. Special Issue August 2022, 22-25. ISSN- 2349-638x. **IF: 7.149**.

8. **P. R. Kharade**, U. B. Chougale, K. N. Patil, S. R. Dhongade. Liquid Assisted Grinding as Environmentally benign protocol for synthesis of 6-amino-3-methyl-4-phenyl-1,4-dihydropyrano [2,3-*c*] pyrazole-5-carbonitrile. *Research Journal Life Sciences, Bioinformatics, Pharmaceutical and Chemical Sciences*. Special Issue. RTPAS- 2022. 15-22. ISSN: 2454-6348.

9. U. B. Chougale, **P. R. Kharade**, H. V. Chavan, S. M. Deshmukh, K. N. Patil, S. R. Dhongade. Design, Synthesis, Characterization and Biological Evaluation of Some Aryl-Pyrazole based Chalcones as Anticancer Agents. *Research Journal Life Sciences, Bioinformatics, Pharmaceutical and Chemical Sciences*. Special Issue. RTPAS- 2022. 55-68. ISSN: 2454-6348.

10. Uttam B. Chougale, **Pravin R. Kharade**, Hemant V. Chavan, Rajan. S. Kamble, Savita R. Dhongade. Synthesis of 1,3-Diaryl Substituted Pyrazole Based Curcuminoids as Potent Antibacterial Agents. *Aayushi International Interdisciplinary Research Journal*. 8(8), 2021, 5-10. ISSN- 2349-638x. **IF: 7.149**.

11. U. B. Chougale, **P. R. Kharade**, H. V. Chavan, S. R. Dhongade. Microwave Assisted Synthesis of Some Novel Thiazine Derivatives and Prediction of Their Bioactivity. *Materials Today: Proceedings*. 23, 2020, 301-308. ISSN:2214-7853

12. U. B. Chougale, H. V. Chavan, S. M. Deshmukh, **P. R. Kharade**, S. R. Dhongade. Design, Synthesis, Characterization and Biological Evaluation of Aryl Pyrazole-Indanone Hybrids. *Rasayan Journal of Chemistry*. 13 (3), 2020, 1506-1512. ISSN: 0974-1496.

13. U. B. Chougale, **P. R. Kharade**, S. R. Dhongade. Synthesis of Some Chalcone Derivatives and Screening of Their Antimicrobial Activity. *Research Journal Life Sciences, Bioinformatics, Pharmaceutical and Chemical Sciences*. 5 (3), 2019, 343-349. ISSN: 2454-6348.
14. S. R. Dhongade, U. B. Chougale, H. V. Chavan, S. M. Deshmukh, **P. R. Kharade**, S. A. Kenwade, P. K. Shetake. Synthesis and Biological Evaluation of Pyrazole Based Curcumin Analogues as Promising Antimicrobial and Anticancer Agents. *Research Journal Life Sciences, Bioinformatics, Pharmaceutical and Chemical Sciences*. 5 (2), 2019, 1164-1175. ISSN: 2454-6348.
15. Sandeep A. Kenwade, Sunil S. Martand and **Pravin R. Kharade**. Waste Management in Chemical Laboratories. *International research journal of humanities and environmental issues*. 3, 11(1), 2015, 20-22. ISSN- 2277-9329.

### Papers Presented in Conferences/Seminars/Symposia

1. **P. R. Kharade**, U. B. Chougale, D. S. Gaikwad, S. S. Kadam, D. B. Mohite, C. R. Patil, S. S. Desai. An efficient and rapid protocol for the synthesis of arylidene malononitrile derivatives using basic ionic liquid. National seminar on “Future perspectives and innovative trends in chemical sciences” organized by Department of Chemistry, Devchand College, Arjunnagar on 16<sup>th</sup> and 17<sup>th</sup> February 2024.
2. **Pravin R. Kharade**, Uttam B. Chougale, Dipak S. Gaikwad, Satish S. Kadam, Savita S. Desai. An efficient synthesis and characterization of pyrano-pyrimidine derivatives using basic ionic liquid. National conference on “emerging trends in science and technology” organized by Yashwantrao Chavan Mahavidyalaya, Halkarni on 20<sup>th</sup> January 2024.
3. S. S. Kadam, **P. R. Kharade**, D. S. Gaikwad, S. S. Desai. Ionic liquid catalyzed multicomponent reaction for efficient synthesis of 4H-isoxazol-5-ones. National conference on “emerging trends in science and technology” organized by Yashwantrao Chavan Mahavidyalaya, Halkarni on 20<sup>th</sup> January 2024.
4. **P. R. Kharade**, U. B. Chougale, K. N. Patil, S. S. Kadam, D. S. Gaikwad, S. S. Rathod, P. B. Choudhari, S. S. Desai. An efficient one-pot multicomponent synthesis of functionalized piperidines. International conference on “Recent trends in pure and applied sciences” organized by Department of Chemistry, Smt. Kusumtai Rajarambapu Patil Kanya Mahavidyalaya, Islampur on 24<sup>th</sup> and 25<sup>th</sup> March 2023.
5. S. S. Kadam, **P. R. Kharade**, D. S. Gaikwad, S. S. Desai. Ionic liquid catalyzed green and efficient one-pot four component synthesis of pyrano-pyrazoles. 3<sup>rd</sup> international conference on “Multidisciplinary approach in basic and applied sciences” organized by P. D. V. P. College, Tasgoan on 23<sup>rd</sup> and 24<sup>th</sup> February 2023.
6. **Pravin R. Kharade**, Uttam B. Chougale, Savita S. Desai. Rapid and Eco-friendly Synthesis of Pyrazolone Derivatives. National Conference on “Sustainable Agriculture” organized by Department of Agrochemicals and Pest Management, Devchand College, Arjunnagar on 12/02/2019.

7. Uttam B. Chougale, **Pravin R. Kharade**, Savita S. Desai. Microwave assisted synthesis of 1,3-Thiazine derivatives for antibacterial and analgesic activities. National Conference on “Innovative Approaches in Pure and Applied Sciences” organized by Bhogawati Mahavidyalaya, Kurukali on 7/02/2019.
8. **P. R. Kharade**, U. B. Chougale. Studies on synthesis and absorption spectra of simple azo dyes. National Conference on “Materials and Environmental science” organized by Shri Yashwantrao Patil Science College, Solankur on 15/02/2017.
9. **P. R. Kharade**, U. B. Chougale and S. R. Dhongade. Green synthesis of 3,5-disubstituted-4H-[1,2,4] triazole derivatives in aqueous media by MW assisted Protocol. National conference on “Current trends in organic chemistry research” organized by KBP College, Pandharpur on 06-07, 02/2015.
10. U. B. Chougale, **P. R. Kharade** and S. R. Dhonagade. Synthesis, characterization and biological activities of some 1,3-thiazine derivatives. National conference on “Current trends in organic chemistry research” organized by KBP College, Pandharpur on 06-07, 02/2015.

### Book Chapters

1. U. B. Chougale, **P. R. Kharade**, D. B. Mohite and S. R. Dhongade. Biocatalysed Knoevenagel condensation reaction in aqueous medium: A green protocol. Bhumi Publishing, Kolhapur.  
ISBN- 978-81-931247-0-3.

### Participation in Conference/Workshop/FDP/Webinar/Symposium

1. Participated in the MS-DEED Level 1 In-person Workshop on Introduction to Innovative Pedagogies for Undergraduate Teachers on 4th to 6th November 2022 at Vivekanand College, Kolhapur (Autonomous) sponsored by MS-FDA and IISER, Pune.
2. Participated in IP awareness/training program under NIPAM organized by Rajarshi Chhatrapati Shahu College, Kolhapur on 08/04/2022.
3. Participated in the One Day Workshop on "Instrumental Techniques of Analysis & Their Applications" on 18<sup>th</sup> January 2022, organized by Department of Chemistry, Rajaram College, Kolhapur under Lead College Scheme.
4. Participated in one-day online seminar on “Multidisciplinary aspects of material sciences” organized by IQAC and PG department of Chemistry, Shri Pancham Khemraj Mahavidyalaya, Sawantwadi on 25/08/2021.
5. Participated in One Day International Multidisciplinary Online Conference on “Sustainable Development in Science, Social Sciences and Languages” organized by Department of Chemistry, Economics and Marathi of Dr. Ghali College, Gadhinglaj on 30<sup>th</sup> May 2021.

6. Participated in “A One Day Online Workshop on Preparation of Household Chemicals” on 27th March 2021 organized by Department of Chemistry, LBS College, Satara on 27/03/2022 under lead college activity.
7. Participated in One Day Online Teachers’ Training Workshop on New Changed Syllabus of B.Sc.-III in Analytical and Industrial Chemistry, Paper No. XII and XVI held on Tuesday, 16<sup>th</sup> February, 2021 organized by IQAC and Department of Chemistry, Dr. Patangrao Kadama Mahavidyalaya, Sangli.
8. Participated in 5 days online FDP on “Nanomaterials characterization techniques and results analysis methodology: Ideas, innovations and initiatives (Chemical Sciences)” from 27.07.2020 to 31.07.2020 organized by S. N. Arts, D. J. Malpani Commerce & B. N. Sarda Science College, Sangamner and sponsored by MHRD, FDC(PMMMNMST), UGC-HRDC, SPPU, Pune.
8. Participated in 6 days online FDP on “Modern teaching, evaluation and research methods” from 02.06.2020 to 07.06.2020 organized by Vinayakrao Patil College, Vaijapur, Aurangabad.
10. Participated in 6 days online FDP on “Multimedia enriched e-content development” from 21.05.2020 to 26.05.2020 organized by GAD-TLC, SGTB Khalsa College, New Delhi and sponsored by MHRD Government of India.
11. Participated in 6 days online FDP on “ICT Tools for Effective Teaching Learning” from 11.05.2020 to 16.05.2020 organized by Swami Ramanand Teerth Marathwada University, Nanded.
12. Participated in AICTE sponsored 6 days STTP on “Target based drug design strategies utilizing CADD tools and Eco-friendly microwave assisted green synthesis” from 27.04.2020 to 02.05.2020. organized by ISF College of Pharmacy, Moga, Panjab.
13. Completed Two-week online FDP on “Managing Online Classes & Co- creating MOOCS” from 20.04.2020 to 06.05.2020 organized by TLC, Ramanujan College, Delhi.
14. Participated in Six days workshop on “Cheminformatics for Chemistry Teachers” from 13.01.2020 to 18.01.2020 organized by TLC, Savitribai Phule Pune University, Pune.
15. Participated in one-day workshop on revised syllabus of B. Sc. II (CBCS) Semester – 3 Paper – 5 (Physical Chemistry) organized by Department of Chemistry, DKASC, Ichalkaranji and sponsored by Shivaji University, Kolhapur on 31/08/2019.
16. Participated in one-day workshop on revised syllabus of B. Sc. II (CBCS) Semester – 4 Paper – 8 (Organic Chemistry) organized by Department of Chemistry, Rajaram College, Kolhapur and sponsored by Shivaji University, Kolhapur on 29/08/2019.
17. Participated in World Parliament of Science Religion and Philosophy organized by MIT World Peace University, Pune from 02/10/2018 to 05/10/2018.
18. Attended three days training program on “Empowerment of IQAC and NAAC new guidelines” organized by Doodhsakhar Mahavidyalaya, Bidri from 20/10/2018 to 22/10/2018.

19. Participated in two-day national workshop on e-content development organized by IQAC, Department of Geography and Mathematics, Devchand College, Arjunnagar in collaboration with Knowledge Bridge, Ahmednagar from 08/02/2018 to 09/02/2019.

### Awards/Recognitions/Prizes/Ranks

1. Best oral presentation for research paper presented in national e-conference on innovations, sustainability, & future growth in science & technology organized by Dr. Ghali College, Gadhinglaj on 04<sup>th</sup> & 5<sup>th</sup> March 2025.

### References

**Prof. (Dr.) Mrs. S. S. Desai**

*M. Sc. M. Phil. Ph. D. B. Ed.*

Professor and Head,

Department of Chemistry,

Research Guide,

Research Laboratory in Heterocyclic Chemistry,

Devchand College, Arjunnagar.

Email – savitadesai2010@gmail.com

**Prof. (Dr.) Udaykumar R. Shinde**

*M. Com. M. Phil, Ph. D.*

Principal,

Karmaveer Hire Arts, Science, Commerce &

Education College, Gargoti.

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I hereby declare that all the information given above is correct to the best of my Knowledge.



**Mr. Pravin Ramchandra Kharade**