

Curriculum Vitae

Dr. Mayuri Vasant Patil

M.Sc. Ph.D. (Chemistry)
1st Rank Holder, Shivaji University, Kolhapur

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Shriram Galli,
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Personal Information:

Date of Birth	: 8 th January, 1995
Gender	: Female
Nationality	: Indian
Marital status	: Married
Blood Group	: 'O'+ ve
Language known	: English, Hindi & Marathi.

Career Objectives:

Present objective is to obtain a responsible position as an Assistant Professor where my teaching and research experience will be helpful.

Profile Summary:

Career motivated, sincere, hard worker, obedient with committed to work. Eight years of research experience in field of green catalysis including synthesis of novel quaternary ammonium surfactants, ionic liquids and synthesis of heterocycles. Outcome of research work recognized in internationally peer reviewed journals. Presented research paper at state level research competition. Secured first rank in M.Sc. Chemistry at Shivaji University. Good knowledge of subject especially Spectroscopy, Stereochemistry, Applications of reagents in organic synthesis etc.

 **Educational Qualifications:**

Degree	University/Board	Year of Passing	Percentage	Grade
Ph.D.	Shivaji University, Kolhapur	May 2022	-	1 st Class
SET	Savitribai Phule Pune University	Mar 2023	-	-
M.Sc. Organic Chemistry	Shivaji University, Kolhapur	March 2017	79.71 %	1 st Rank in University
B.Sc. Chemistry	Shivaji University, Kolhapur	March 2015	85.6 %	1 st Rank in College
H. S. C.	Kolhapur Divisional Board	February 2012	75.17 %	1 st Class with Distinction
S. S. C.	Kolhapur Divisional Board	March 2010	89.45 %	1 st Class with Distinction

Doctor of Philosophy (Ph.D.), Chemistry

Shivaji University, Kolhapur

Thesis entitled

“Studies in Surfactant Mediated Organic Transformations”

Under the guidance of

Prof. (Dr.) D. M. Pore (M.Sc., Ph.D.)

Professor in Organic Chemistry

Shivaji University Kolhapur, Maharashtra, India

Date of registration to Ph.D. :- 01st July 2017

Date of Ph.D. degree awarded:- 27th May 2022

Workplace:- Green Chemistry Research Laboratory, Department of Chemistry, Shivaji University, Kolhapur, Maharashtra, India.

 **Teaching Experience :**

- Temporary Assistant Professor in Organic Chemistry, Shivaji University, Kolhapur (July-2023- Present)
- Assistant Professor in Chemistry, Doodhsakhar Mahavidyalaya, Bidri (Jan-Mar 2023).
- Contributory teaching in Organic Chemistry, Department of Organic and Industrial Chemistry, (July 2019- December 2021).

Computer Skills:

- Basic computer Knowledge, MS-CIT.
- Software: chemistry related software like Chemdraw, Chemsketch. ISIS/Draw, Spectrus Processor, MestReNova, Origin, Sci-Finder.

Personal Skills :

- Good Explanation Skill and Leadership Qualities.
- Good Analytical and Logical Approach.
- Good Time Management and Teamwork.
- Good in Decision Making and Human Relations.

Award/Honours:

- Secured 1st Rank in B.Sc. (Chemistry) at Bhogawati Mahavidyalaya, Kurukali, 2015.
- Recipient of Shivaji University Merit Certificate for M.Sc.-II (Chemistry), 2017.
- Recipient of **Summer research Fellowship Programme** instituted by **IASc (Bengaluru), INSA (New-Delhi) and NASI (Allahabad)**. Project report submitted to **National Chemical Laboratory, Pune**. 22nd May to 21st July 2017.
- Secured **1st Rank in M.Sc. (Chemistry)** at Shivaji University, Kolhapur.
- Recipient of **Prof. Dr. M. H. Jagdale Chemistry Gold Medal** for M.Sc. 2018.
- Recipient of **Prof. Dr. B. M. Sawant Organic Chemistry Paritoshik** for M.Sc. 2018.
- Recipient of **Prof. Dr. R. B. Mane Organic Chemistry Paritoshik** for M.Sc. 2018.
- Recipient of **Prof. Dr. M. M. Salunkhe Organic Chemistry Paritoshik** for M.Sc. 2018.
- **Golden Jubilee Research Fellow** from 17th January 2020 to 30th October 2021.

Publications and Patent:

1. “Novel route for the synthesis of 5-(4-hydroxy-2-oxo-2H-chromen-3-yl)-1,3- dimethyl-1H-chromeno [2,3-d]pyrimidin-2,4(3H,5H)-diones”
N. C. Dige, P. G. Mahajan, R. K. Dhokale, S. M. Chinchkar, **M. V. Patil**, D. M. Pore, *Organic Preparations and Procedures International, 51(6), 2019, 553-565.*
2. “Novel, green and sustainable route for synthesis of 5-aryl-4-phenyl-1, 2, 4-triazolidine-3-thiones,”
M. V. Patil, P. M. Mhaldar, V. M. Mahadik, D. M. Pore, *Tetrahedron Letter, 61(25), 2020, 152015- 152020.*

3. "Antioxidant activity of Psidium guajava leaf extracts"
A. R. Yadav, S. K. Mohite, M. D. Rajput, V. S. Suryawanshi, R. M. Birajdar, **M. V. Patil**, *Research Journal of Pharmaceutical Dosage Forms and Technology*, 12(3), 2020, 159-161.
4. "Surfactant based nanoreactor micellar assembly: The innovative route for the synthesis of 2-thioxo-2,3- dihydroquinazolin-4(1H)-ones"
M. V. Patil, P. M. Mhaldar, S. N. Tayade, G. S. Rashinkar, D. M. Pore, *Journal of Molecular Liquids*, 359, 2022, 119305-119312.
5. "Magnetically recoverable palladium nanocatalyst [Pd(II)-Benz-Am-Fe3O4@SiO2] for Ullmann type homocoupling of aryl halides with N2H4 as an efficient reductant"
P. M. Mhaldar, **M. V. Patil**, G. S. Rashinkar, D. M. Pore, *Journal of Inorganic and Organometallic Polymers and Materials*, 2022, 1-14.
6. "Imidazole-Based Bronsted Acidic Surfactant: A Novel Regioselective Catalytic system for making of 2-aryl-1,2- dihydrothiazolo[3,2-b] [1,2,4] triazole-6(5H)-ones"
M. V. Patil, P. M. Mhaldar, D. M. Pore, *Polycyclic Aromatic Compounds*, 2022, 1-18.
7. "Mizoroki-Heck coupling: A novel approach for the synthesis of (E)-1-(3-argioallyl) indoline-2,3-dion"
M. V. Patil, P. M. Mhaldar, D. M. Pore, *Monatshefte für Chemie Chemical Monthly*, 153 (12), 2022. 1243-1250.
8. [Cell@Al2O3(HEPiPY)]DCA: A Cellulose Supported Ionic Liquid Catalyst for Synthesis of 11 b,12-dihydro-6H,13H benzo[5,6][1,3]oxazino[3,4-a]quinazoline- 6,13-dione along with in silico assessments"
V.B. Shinde, P.M. Mhaldar, **M.V. Patil**, M. Mirzaei, D.M. Pore, *Chemistry Select* 9 (4), 2024, 202303989.
9. "Cellulose/silica supported Schiff base Pd (II) catalyst for copper-free Sonogashira cross-coupling"
P.S. Pharande, P.M. Mhaldar, M.V. Patil, S.A. Sonawane, S.T. Salunke, D. M. Pore, *Research on Chemical Intermediates*, 50 (2), 2024, 551-573.
10. "Multicomponent Synthesis of Thiazolidinone -Bis Schiff Base Hybrids and Evaluation of their Antibacterial and Antioxidant Activity"
V. M. Mahadik, P. M. Mhaldar, **M. V. Patil**, N. A. Nerlekar, P. B. Dandge, D.M. Pore. *Chemistry Select*, 10 (17), 2025, 202405332.

11. “Bronsted acidic surfactant $[HDMM]^+$ $[HSO_4]^-$: A Green microreactor assembly for stereoselective synthesis of novel thiazolyl-pyrazole-chromen-2-ones in water”
M. V. Patil, P. M. Mhaldar, V. M. Mahadik, R. Ghanta, M. Shukla, S. A Sonawane, S. Ghote, G. S. Rashinkar, and D. M. Pore, *RSC Advances*, 2025, 15 (32), 25985-25999.
12. “Bronsted acid-hydrotrope combined catalyst (BAHC) for the synthesis of pyrano[2,3-d]pyrimidines and isoindolo[2,1-a] quinazolines in aqueous medium”
T. R. Lohar, S. S. Mohite, S. V. Pore, **M. V. Patil**, D. M. Pore, S. R. Kamat, *Research on Chemical Intermediates*, 2025. DOI: <https://doi.org/10.1007/s11164-025-05702-5>.
13. “Design, Synthesis, and Antitubercular Evaluation of 4-Thiazolidinone Derivatives: A Combined Experimental and DFT Study”
V. M. Mahadik, P. M. Mhaldar, **M. V. Patil**, S. S. Desai, P. R. Dongare, G. S. Rashinkar, D. M. Pore, *Journal of Molecular Structure*, 2025, 1350(2), 14400.
14. “A sustainable hydrotrope-assisted multicomponent synthesis of pyrazolopyridines”
P. B. Patil, D. M. Pore, **M. V. Patil**, S. S. Mohite, S. V. Pore, S. R. Kamat, T. R. Lohar, *Research on Chemical Intermediates*, 2025. DOI: <https://doi.org/10.1007/s11164-025-05851-7>.
14. **U.K. Design Patent No.** 6398030, **Granted:** October 2024
Developed a new synthetic methodology for 2-thioxo-2,3-dihydroquinazolin-4(1*H*) ones.

Participation in Conferences/ Workshops/ Seminars:

1. National Conference on “**Emerging Trends In Chemical And Material Sciences**” (**ETCMS-2020**) organized by Department of Chemistry, Shivaji University, Kolhapur held on 6 – 7th March, 2020.
Poster presentation
2. National Conference on “**Recent Trends in Pharmaceutical Chemistry and Drug Delivery**” organized by IQAC and Department of Chemistry, Rajaram college, Kolhapur held on 25th June, 2020.
Poster presentation
3. International Conference on “**Science & Technology for Society**” organized by Department of Chemistry, Manipur Technical University, Imphal & Kanglei Khongyang Thijinyon (KKT), Imphal held on 9-11th September 2020.
Oral presentation
4. Two days Science Academies Lecture Workshop on ‘**Recent Advances in Catalysis**

Sciences' Sanjay Ghodawat University, Kolhapur, 23rd- 24th February 2018.

Participation

5. One-day Workshop on “**Scientific Writing**” organized by the Research Colloquium of Shivaji University, Kolhapur, held on 31st January 2018.

Participation

6. One-day Workshop on “**Research as Career: Opportunities Abroad and Associated Preparations**” organized by the International Affairs Cells (IAC) and Department of Chemistry, Shivaji University, Kolhapur, held on 13th February 2021.

Participation

7. Online Webinar on “**True Facts About Covid-Associated Mucormycosis**” Organised by Department of Chemistry and Internal Quality Assurance Cell (IQAC), Dr. Patangrao Kadam Mahavidyalaya, Sangli, held on 12th June, 2021.

Participation

8. GIAN workshop on “**Advanced Functional Materials and Green Energy Strategies**” organized by Department of Chemistry, Shivaji University, Kolhapur, and sponsored by MHRD Scheme-Global Initiative for Academic Network (GIAN), Indian Institute of Technology, Kharagpur (West Bengal) held between 16th to 20th October, 2023.

Participation

9. National Conference on “**Frontiers in Chemical Sciences**” organized by Department of Chemistry, Bharati Vidyapeeth (Deemed to be University) Yashwantrao Mohite College of Arts, Science and Commerce, Pune held on 11th-12th March, 2025.

Poster presentation



References:

1. Prof. D. M. Pore (Ph.D Supervisor) Professor (Organic Chemistry), Department of Chemistry, Shivaji University Kolhapur, Maharashtra, India-416004 Email: p_dattaprasad@rediffmail.com Mobile No: +91-8087268810	2. Dr. P. P. Wadgaonkar Emeritus Scientist, CSIR-National Chemical Laboratory, Pune, Maharashtra, India. Email: pp.wadgaonkar@ncl.res.in Phone No. +91-20-25902306
2. Prof. S. D. Delekar Professor (Inorganic Chemistry), Department of Chemistry, Shivaji University Kolhapur, Maharashtra, India-416004 Email: sdd_chem@unishivaji.ac.in Mobile No:+91-9890291575	4. Prof. G. S. Rashinkar Professor (Organic Chemistry), Department of Chemistry, Shivaji University, Kolhapur, Maharashtra, India-416004 E-mail: gsr_chem@unishivaji.ac.in Mobile No: +91-9823113269