

CURRICULUM VITAE

Full Name : **Dr. Rupesh Chandrakant Patil**

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Personal Information:

Date of Birth : 01st April 1994

Cast : Hindu-Maratha

Marital Status : Unmarried

Category : Open

Gender : Male

Language known: Marathi, Hindi, English

Permanant Address : At-Shelap, Post: Gavase, Tal-Ajara, Dist-Kolhapur, Maharashtra, India,
Pin-416505

Educational Qualification: M. Sc., Ph. D.

Ph. D.: Synthetic Organic Chemistry, “Organic Transformations Using Natural Catalysts”,
Shivaji University, Kolhapur (**October, 2022**)

M. Sc.: Organic Chemistry Specialization, Shivaji University, Kolhapur, (**2016-17**)

B. Sc.: Chemistry, Shivaji University, Kolhapur, (**2014-15**)

Academic Experiences:

Teaching:

1. 26th July 2024 to till date: **Assistant professor**, at Department of Chemistry, B. N. Bandodkar College of Science, Thane (Autonomous)
2. November, 2022 to 25th July 2024: **Assistant professor**, at Department of Chemistry, Shivraj College of Arts, Commerce & D. S. Kadam Science College, Gadhinglaj, Maharashtra.

Research Contribution:

Doctor of Philosophy (Ph. D.) from: Shivaji University, Kolhapur

Title of the research proposal: “Organic Transformations Using Natural Catalysts”

Research Guide: Prof. Suresh S. Patil

Awards/ Fellowship	04	Citation for paper	171
Research paper published (International)	11	h-index	08
Paper presented in conference (Oral)	09	i-10 index	07
Paper presented in conference (Poster)	06	Participation in workshop	03

Awards/Honors:

1. “Best Oral Presentation award” in international conference on “An interdisciplinary nature of science” dated 29th March, 2023 organized by Faculty of Science & Technology, Shivraj College of Arts, Commerce & D. S. Kadam Science College, Gadhinglaj, Maharashtra.
2. ‘Young Researcher Award 2020’ from Institute of Scholar, Bangalore.
3. Award of Research Fellowship for Ph.D. under Chief Minister Special Research Fellowship-2019 from Chhatrapati Shahu Maharaj Research Training and Human Development Institute (SARTHI), Pune (Government of Maharashtra), India
4. Best Poster Presentation award in the International Conference on Chemistry, Environment and Energy (ICCEE-2019) held at Department of Chemistry, Yashwantrao Chavan Institute of Science, Satara, (Autonomous) Maharashtra, India

Research Area:

Catalysis, Green Chemistry, Synthetic Organic Chemistry, Heterocyclic Chemistry

List of Publications:

1. Aqueous extract of CAP-ash: A greener benchmark for Suzuki-Miyaura coupling reaction in palladium catalyzed ligand-free condition, **R. C. Patil**, P. R. Dongare, S. S. Patil, *Journal of Molecular Structure*, **2024**, 1321, 140160
2. *Chickpea leaf exudates (CLE)* mediated Knoevenagel-Michael reactions for the synthesis of diketodiols and biscoumarins, **R. C. Patil**, D. N. Zambare, S. A.

- Damate, A. A. Jagdale, S. R. Mali, S. K. Shinde, S. S. Patil, *Research on Chemical Intermediates*, **2022**, 48, 2181-2198.
3. *Chickpea Leaf Exudates*: A highly efficient natural Bronsted acidic medium for the synthesis of pyran-annulated heterocycles, S. R. Mali, S. K. Shinde, B. M. Patil, **R. C. Patil**, S. S. Patil, *Letters in Organic Chemistry*, **2022**, 19, 651-661.
 4. *Chickpea Leaf Exudates*: A green Bronsted acid type biosurfactant for bis(indole)methanes and bis(pyrazolyl)methanes synthesis; **R. C. Patil**, S. A. Damate, D. N. Zambare, S.S. Patil, *New Journal of Chemistry*, **2021**, 45, 9152-9162.
 5. Agro-waste generated Pd/CAP-ash catalyzed ligand free approach for Suzuki-Miyaura coupling reaction, **R. C. Patil**, A. A. Jagdale, U. P. Patil, S. S. Patil, *Catalysis Letters*, **2021**, 151, 3617-3631.
 6. A synergetic role of *Aegle marmelos* fruit ash in the synthesis of biscoumarins and 2-amino-4H-chromenes; **R. C. Patil**, S. K. Shinde, U. P. Patil, A. T. Birajdar, S. S. Patil, *Research on Chemical Intermediates*, **2021**, 47, 1675-1691.
 7. Biowaste-Derived Heterogeneous Catalyst for the One-Pot Multicomponent Synthesis of Diverse and Densely Functionalized 2-Amino-4H-Chromenes; U. P. Patil, **R. C. Patil**, S. S. Patil, *Organic Preparation and Procedure International*, **2021**, 53, 190-199.
 8. Revisit to Henry reaction by non-conventional heterogeneous and efficient catalyst for nitro alcohol synthesis, S. D. Jadhav, **R. C. Patil**, A. A. Jagdale, S. S. Patil, *Research on Chemical Intermediates*, **2021**, 48, 593-606.
 9. Ash of pomegranate peels (APP): A bio-waste heterogeneous catalyst for sustainable synthesis of α,α' -bis(substituted benzyldine)cycloalkanones and 2-arylidene-1-tetralones; **R. C. Patil**, U. P. Patil, A. A. Jagdale, S. K. Shinde, S. S. Patil, *Research on Chemical Intermediates*, **2020**, 46, 3527-3543.
 10. Waste mussel shell as a highly efficient heterogeneous catalyst for the synthesis of polyfunctionalized 4H-pyrans in aqueous media; U. P. Patil, **R. C. Patil**, S. S. Patil, *Reaction Kinetics, Mechanisms and Catalysis*, **2020**, 129, 679-691.
 11. An Eco-friendly Catalytic System for One-pot Multicomponent Synthesis of Diverse and Densely Functionalized Pyranopyrazole and Benzochromene Derivatives; U. P. Patil, **R. C. Patil**, S. S. Patil, *Journal of Heterocyclic Chemistry*, **2019**, 56, 1898-1913.

Conferences:

Oral Presentation:

1. National conference on “Innovations sustainability and future growth in science and technology” dated 4th & 5th March 2025 organized by department of chemistry, Dr. Ghali College, Gadhinglaj
2. International conference on “Science and technology for sustainable development” dated 27th & 28th February 2025 organized by SIDVI foundation and Shrimant Bhaiyyasaheb Rajmane Mahavidyalaya, Mhaswad, Tal. Man, Dist. Satara
3. National conference on “Sustainable development and Scientific synergies for the future” dated 21th & 22th February 2025 organized by Yashwantrao Chavan Warana Mahavidyalaya Warananagar, Tal. Panhala, Dist. Kolhapur
4. National conference on “Eco pulse: monitoring beats of ecosystem” dated 14th & 15th February 2025 organized by B. N. Bandodkar College of Science, Thane (Autonomous)
5. Multidisciplinary national conference on Artificial Intelligence dated 19th September, 2024 organized by Padmabhushan Dr. Vasantodada Patil Mahavidyalaya, Tasgaon, Sangli, Maharashtra.
6. International conference on “An Interdisciplinary Nature of Science” dated 29th March, 2023 organized by Faculty of Science & Technology, Shivraj College of Arts, Commerce & D. S. Kadam Science College, Gadhinglaj, Maharashtra.
7. International conference on Multidisciplinary Approach in Basic and Applied Sciences (MABAS-2023) dated 23rd & 24th February, 2023 organized by Padmabhushan Dr. Vasantodada Patil Mahavidyalaya, Tasgaon
8. International conference on “The Present and Future of Excellence in Organic Synthesis” dated 07-08th January, 2021 organized by Department of Chemical Sciences, Tezpur University, Assam, India.
9. National Conference on “Recent Trade in Chemistry” dated 3rd February, 2018 organized by G. I. Bagewadi Arts, Commerce college, Nipani.

Poster presentation:

1. International Conference on “Multidisciplinary approach and innovation in chemical science-2022” (IMAICS-22) dated 25 and 26th March, 2022 organized by Yashwantrao Chavan Institute of Science, Satara.

2. International Conference on “Recent Advances in Physical and Chemical Sciences”
Dated 22th January 2020 Organised by Department of Physics and Chemistry,
Sangola College, Sangola
3. National Conferences on “Emerging Trends in Chemical and Material Sciences”
(Etcms-2020) Dated 7th & 8th February, 2020 Organized by Department of
Chemistry, Shivaji University, Kolhapur-416004 (MS), India
4. “International Conference on “Chemistry, Environment and Energy: (ICCEE-2019)”
dated 16-18th February, 2019 organized by Yashwantrao Chavan Institute of Science,
Satara
5. National Conference on “Science and Technology for sustainable Development”
dated 20th January, 2019 organized by Jaysingpur College, Jaysingpur.
6. International Conference on “Society, Culture and Environment” dated 20th October,
2018 organized by Shikshanmaharashi Dr. Bapuji Salunkhe Mahavidyalaya, Miraj

Workshop:

1. Research paper presented in The Indian Science Congress Association dated 3rd -7th
January, 2023 held at Rashtrasant Tukadoji Maharaj Nagpur University,
Maharashtra.
2. Participated in The Indian Science Congress Association dated 3rd -7th January, 2020
held at University of Agricultural Science, Bangalore, Karnataka.
3. Participated in One day workshop on Intellectual property and patenting system in
India dated 24th January, 2020 organized by Padmabhushan Dr. Vasantraodada Patil
Mahavidyalaya, Tasgaon, Sangli

Declaration:

I hereby declare that all the statements made in these Curriculum Vitae are true and complete to the best of my knowledge and belief.

Dr. Rupesh Chandrakant Patil