Curriculum Vitae

- **NAME** : **Dr. Rajendra Pundlikrao Pawar**
- **DATE OF BIRTH** : 11th January 1961
- **Gender** : Male
- **NATIONALITY** : Indian
- **MARTIAL STATUS** : Married
- **CURRENT ADDRESS** : **Principal**
  M. S. P. Mandal's
  Shiv Chaatrapati College,
  Aurangabad (MS) India.

- **PERMANENT ADDRESS** : **A-10, Swapnapurti Enclave**,
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EDUCATIONAL QUALIFICATION:

- **Post Doctoral Fellow:** Worked as postdoctoral fellow under the guidance of **Prof. Avi Domb**, Hebrew University of Jerusalem, Isreal from May 2003 to Feb. 2004.
- **Ph. D. (1998):** Swami Ramanand Teerth Marathwada University Nanded. Title of the Thesis **"Study of Schiff bases"**.
- **M. Sc. (1988):** Passed with first class in 1988 with subject as **Organic Chemistry.** Dr. B. A. M. University, Aurangabad, MS, India.
- **B. Sc. (1982):** Passed with first class in 1982 with subject **Chemistry, Botany and Zoology.** Dr. B. A. M. University, Aurangabad, MS, India.

- **Collaborations:**
  1. Israel
  2. Hungary
  3. South Africa
  4. China

- **Teaching Experience:**
  - D.S.M. College of Arts, Science and Commerce, Parbhani since July 1989 to 17th December 2008.
  - Deogiri College, 18th December 2008 till date
  - **30** Years Teaching Experience to **Under-Graduate** Classes.
  - **28** Years Teaching Experience to **Post-Graduate** Classes.

- **RESEARCH EXPERIENCE:**
  - **18** years research experience in the Department of Chemistry, Dnyanopasak College, Parbhani.
  - **09** years research experience in the Department of Chemistry, Deogiri College, Aurangabad.
  - **M. Phil.: 08 Students Awarded**
  - **Ph. D.: 17 Students Awarded**

NATURE OF THE WORK:

- Synthesis of some heterocyclic compounds and tested their biological screening.
- Synthesis of Schiff Bases, 4- Thiazolidinones, and 2-Azitidinones and their antibacterial, antifungal activity.
- Synthesis of newer derivatives of 5- Imidazolones, Oxazolones, pyrazolines, Benzisoxazoles, etc.
- Synthesis of sulfonamide derivatives and their biological activity.
- Phytochemistry

Areas of Interest:

1. In Novel Synthetic Methods.
2. In Green and Reusable Catalyzed Organic Transformations.
3. In Ionic Liquid Mediated Organic Transformations.
4. In Various Heterocyclic Compound Synthesis.
5. Phytochemistry.

Additional Activities:

1. Editorial Board Member, ***Open Chemistry Journal,*** Bentham Publication, United Kingdom.
2. Editorial Board Member, ***The Open Medicinal Chemistry Journal,*** Bentham Publication, United Kingdom.
3. Editorial Board Member, ***The Open Chemical Engineering Journal,*** Bentham Publication, United Kingdom.
4. Editorial Board Member, ***Journal of Pharmaceutical and Analytical Chemistry,*** Science Forecast Publisher, USA.
5. Editorial Board Member, ***Organic & Pharmaceutical Chemistry Letters,*** Esra Publication, India.
6. Editorial Board Member, ***European Chemical Bulletin Journal,*** Deuton-X Ltd., Publication, Hungary.
7. Editorial Board Member, ***The Open Conference Proceeding Journal,*** Bentham Publication, United Kingdom.
8. Editorial Board Member, ***World Research Journal of Combinatorial Chemistry***, Bioinfo Publications.
9. Editorial Board Member, ***Research Journal of Physical and Applied Sciences,*** Wudpecker Research Journals Publications.
10. Editorial Board Member, ***Journal of Advanced Scientific Research,*** Scienceage Publications.
11. Editorial Board Member, ***The Open Catalysis Journal,*** Bentham Publication, United Kingdom.
12. Recognized Ph. D. Guide in Chemistry of S. R. T M. University, Nanded.
13. Recognized Ph. D. Guide in Chemistry of Dr. B. A. M. University, Aurangabad.
14. BOS Member in Chemistry of Dr. B. A. M. University, Aurangabad.

Books / Chapters Published:

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2. **Polysaccharide-based Biomaterials: Overview**, Sunil U. Tekale, Anant B. Kanagare, Anand V. Dhirbassi, Abraham J. Domb and **Rajendra P. Pawar**, *Polysaccharide-based Biomaterials: Delivery of Therapeutics and Biomedical Applications*, RSC Publication, 2023, *(***eISBN: 978-1-83916-623-5).**
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5. **Nanocatalyzed Synthesis of Bioactive Pyrole, Indole, Furan and Benzofuran Derived Heterocycles,** S. U. Deshmukh, A. K. Dhas, V. D. Dofe, S. A. Dake, J. N. Sangshetti, K. L Ameta and **R. P Pawar**, *Nanocatalysis: Synthesis of Bioactive Heterocycles*, 2022, **(ISBN: 9780367693541).**
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11. **Nanotechnology for Water Purification: Applications of Nanotechnology Methods in Wastewater treatment**, Konda Reddy Kunduru, Michael Nazarkovsky, Shady Farah, **Rajendra P. Pawar**, Arijit Basu, Abraham J. Domb, *Nanotechnology for Water Purification*, Elsevier Publication, 2017.
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13. **Natural Heterocycles: Extraction and Biological Activity**,Nova Publishers, New York, January 2015**,** (eBook)**(ISBN No. 978-1-4-63463-462-5**).
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19. **Chalcones: The bioactive molecules,** "*The Biochemistry of Chalcones",*Lap Lambert Academic Publishing AG and CompanyGermany,2011 **(ISBN 13: 978-3-8443-2258-3)**.
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11. A Green And Environmentally Benign Synthesis Of Benzofurans. N.S. Kaminwar, S.B. Shinde, S.L. Nakkalwar, H.M. Kasralikar, R.U. Pokalwar, S.P. Goskulwad, S.U. Tekale And **R.P. Pawar**, *Gradiva Review Journal*, 9(3), 609-614, **2023**.
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15. Synthesis and Biological Study of Novel Schiff Base (1-(3-(4-fluorophenyl)-1-isopropyl-1H-indol-2-yl) methylene) hydrazine) Ligand and Metal Complexes, Nirmal R. Joshi, Sandip G. Mule, Vishnu A. Gore, Ravindra D. Suryawanshi, Ganesh T. Pawar, Saroj R. Bembalkar* and **Rajendra P. Pawar**, *Journal of Exploratory Research in Pharmacology*, DOI: 10.14218/JERP.2022.00021, **2022**.
16. Synthesis of naphthalimide derivatives bearing benzothiazole and thiazole moieties: *In vitro* anticancer and in silico ADMET study, Pramod D. JawalePatil, Keerti Bhamidipati, Manoj G. Damale , Jaiprakash N. Sangshetti, Nagaprasad Puvvada, RajeshS. Bhosale, RajitaD. Ingle, **Rajendra P. Pawar**, Sidhanath V. Bhosale and Sheshanath V. Bhosale, *Journal of Molecular Structure*, 1263, 133173, **2022**
17. Plasma-assisted preparation of nano-(ZrC, ZrO2)@carbon composites from Zr-loaded sulfonated styrene–divinylbenzene copolymers, Alejandro Martiz, Zoltán Károly, László Trif, Miklós Mohai, Laura Bereczki,· Péter Németh, Zsombor Molnár, Alfréd Menyhárd, **Rajendra P. Pawar**, Sunil Tekale, László Kótai, *Journal of Thermal Analysis and Calorimetry*, https://doi.org/10.1007/s10973-022-11236-4, **2022.**
18. Vanillin containing 9H-fluoren sulfone scaffolds: Synthesis, biological evaluation and molecular docking study Hanuman Narode, Manoj Gayke, Rajesh S. Bhosale, Gyanchander Eppa, Nisarg Gohil, Gargi Bhattacharjee, Vijai Singh, **Rajendra P. Pawar**, Dhanaji P. Rajani, Jhillu Singh Yadav, *Results in Chemistry*, 4, 100269-100277, **2022**.
19. A Green Protocol for the Synthesis of α-Amino Phosphonates Catalyzed by Orange Peel Powder, Swati S. Ghodke, Priya M. Khandare, Rajita D. Ingle and **Rajendra P. Pawar**, *Letters in Applied NanoBioSciene* 11(1), 3175 - 3180, **2022.**
20. One-pot three-component synthesis of 2-amino-5-oxo4,5-dihydropyrano[3,2-c]chromene-3-carbonitrile derivatives catalyzed by cobalt doped iron (III) tartrate complex Mahesh Walle, Dattatraya Pansare, Tufiel Khan, **Rajendra Pawar**, Rohini Shelke, Ranjita Ingle *Letters in Applied NanoBioSciene* 11(1), 3208 - 3217, **2022.**
21. COVID-19 Global Pandemic Fight by Drugs: A Mini-Review on Hope and Hype, Sunil U. Tekale, and **Rajendra P. Pawar** *Mini-Reviews in Organic Chemistry*, 19, 439-450, **2022**.
22. Sulfated tin oxide (STO): A convenient heterogeneous catalyst for the synthesis of 4-arylmethylidene-3-substituted-isoxazol-5(4H)-ones. Nitishkumar S. Kaminwar, Sunil. U. Tekale, Srinivas L. Nakkalwar, **Rajendra P. Pawar** *Letters in Organic Chemistry*, 18(12), 945-949, **2021**.

23. Cobalt ferrite magnetic nanoparticles as highly efficient catalyst for the mechanochemical synthesis of 2-aryl benzimidazoles. Ravikumar M.Borade, Swati B.Kale, Sunil U.Tekale, K.M.Jadhav, Rajendra P. Pawar Catalysis Communications, *159*, 106349, **2021.**
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