

## Profile of the Faculty



### 1. General Information:

Name of the Faculty	:	Dr. Jitendra. M. Pawara
Name of the Department	:	Department of Chemistry
Educational Qualifications	:	M.Sc. NET (CSIR-JRF, UGC-JRF), Ph.D.
Present Position	:	Assistant Professor
Address for Correspondence	:	302-Bhaweshawar Height Sector-06 Plot-8 Karanjade old Panvel 410206
E-mail	:	jmpawara@gmail.com
Contact Number	:	+919096591225
Specialization	:	Organic Chemistry
Total teaching experience	:	UG-07, PG-07.
Courses taught	:	F.Y.B.Sc., T.Y.B.Sc., M.Sc.-I, M.Sc.-II
Research experience	:	06
Number of students registered for Ph.D. degree	:	Nil
Number of students awarded Ph.D. degree	:	Nil
Number of students registered for P.G degree by research	:	Nil
Number of students awarded P.G degree by research	:	Nil

### 2. Publication of Research Papers:

UGC listed journals	:	<b>11</b>
Peer reviewed journals	:	<b>05</b>
Non-peer reviewed journals	:	<b>02</b>
Conference proceedings	:	<b>Nil</b>

### 3. List of Publication of Research Papers:

1. **Jitendra M. Pawara**, and Sunil S. Patil, “An Innovative Method Designed for the Synthesis of Some New Mixed Ligand Ni(II) Complexes Its Characterization and Applications.” World Journal of Chemical Education, **ISSN (Print): 2375-1665 ISSN (Online): 2375-1657** vol. 9, no. 2 (2021): 50-56. [doi: 10.12691/wjce-9-2-3](https://doi.org/10.12691/wjce-9-2-3).
2. **Jitendra M. Pawara** and Sunil S. Patil “Microwave-Assisted Synthesis of Some New Mixed Ligand Ni(II) Complexes Its Characterization and Its Antimicrobial Study” Journal of Pharmaceutical Research International. **ISSN-** 2456-9119 **2021:33:(31B)**. 143-152.
3. **Jitendra M. Pawara** and Sunil S. Patil ‘Synthesis of NiO Nanoparticles by Thermal Decomposition at Low-Temperature of New *Aqua*(2-amino-6-methyl pyrimidine-4-ol and Isoleucine)Ni(II) Complex and its antimicrobial study’ Journal of advanced Scientific Research. **ISSN-0976-9595, 2021.12(3)** 113-118.
4. V.S. Kamble, R.K. Zemase, R.H. Gupta, B.D. Aghav, S.A. Shaikh, **J.M. Pawara**, S.K. Patil, S.T. Salunkhe Improved toxic NO<sub>2</sub> gas sensing response of Cu-doped ZnO thin-film sensors derived by simple co-precipitation route, *Optical Materials*, 131, 112706. (2022) (Elsevier, IF 3.7)
5. B.D. Aghav, V.S. Kamble\*, S.A. Shaikh, **J.M. Pawara** and S.T. Salunkhe, X-Ray Diffraction Studies for the Determination of Crystallite Size of ZnO Nanoparticles: Scherrer Formula and Williamson-Hall Plot Approach, *Indian Journal of Natural Sciences*, Vol.13, Issue 73, 46466-46470, (2022).
6. **J.M. Pawara**, S.S. Patil, D.K. Patil, V.S. Kamble "A newer method developed for the synthesis of diferuloyl methane and its derivatives" International Journal of Advanced Research **2021**, <http://dx.doi.org/10.21474/IJAR01/12451>
7. **J. M. Pawara**,” A Green Approach: For the Synthesis of Curcumin and Its Derivatives” International Journal of Science and Research (IJSR) **2021**,10,(2),814-818 [DOI: 10.21275/SR21212174709](https://doi.org/10.21275/SR21212174709)
8. **J. M. Pawara**, Physico-Chemical Analysis of Drinking Water Samples of Different Schools of Panvel in Raigad District, Maharashtra, India ANUGOONJ, Issue – 6 12-16.

9. **J. M. Pawara**, Mr. S. S. Ghadage Public Awareness regarding adulteration of milk India ANUGOONJ, Issue – 7 12-16
10. J Digambar Patil, **Jitendra Pawara**, Bhimarao Patil, Vishal Kamble Antibacterial detection of some synthesized cerium (III) metal mixed ligand complexes along with their physicochemical, spectral and thermal study. *Shodhsamhita*, Volume 9, Issue 6 (3), (2022).
11. Asmitak A. Bhagat, Sunil S. Patil, Bhushan P. Langi, Vishal S. Kamble, Digambar K. Patil, **Jitendra M. Pawara\***, Physicochemical, Thermal, Spectral and Biological investigation of Mixed Ligand Lanthanum Complexes, *Indian Journal of Natural Sciences*, 0976-0997, 45164-45173, (2022).
12. Sunil S. Patil Vishal S. Kamble, Digambar K. Patil, **Jitendra M. Pawara\***, Synthesis of Metal Oxide Nanoparticles by Thermal Decomposition of a Ni (II) Complex and its Antimicrobial Activity, *Malaysian Journal of Chemistry*, 2550-1658 125-131, (2022).
13. **J.M.Pawra\***, “ Physico-Chemical Analysis of Drinking Water Samples of Different Schools Of Panvel In Raigad District, Maharashtra” , 63-67,8,2(III) 2021 India International Journal of Advance and Innovative Research Peer-reviewed
14. **J.M.Pawra\***, V.S.Kamble and D. K. Patil, Community awareness, concerning the adulteration of milk, , 78-82, Volume-IX Issue-I March April 2022, 2394-8550 Educational Research Journal Peer-reviewed
15. D. K. Patil, **J.M.Pawra\*** Preparation of mixed ligand complexes of lanthanide metal, their characterization and antibacterial study, , 183-187, Volume-IX Issue-I March April 2022, 2394-8550 Educational Research Journal Peer-reviewed
16. **Jitendra Pawara**, Vishal Kamble, Hrushikesh Devkar, Bhimarao Patil, Digambar Patil, Synthesis and Characterization of cerium metal mixed ligand complexes and their antibacterial investigation, *Bulletin of environment pharmacology and life sciences*, (2023) (Accepted)
17. V.N. Pawar, **V.S. Kamble**, S.T. Salunkhe, **J.M. Pawara**, S.K. Patil, G.U. Patil, S.S. Kamble\*, The impact of air pollution on solar energy generation in the Panvel-Navi Mumbai region, *Indian Journal of Natural Sciences*, (2023)

18. Sunil. S. Patil, Saipraasad Patil, Digambar K. Patil, Vishal S. Kamble, **Jitendra M. Pawara**, Synthesis, Spectral and Thermal Studies of Mixed Ligand Yt (III) Complexes and Their Biological Investigation. *Indian Journal of Natural Sciences* (2023)

#### 4. Poster/Paper presentation

1. **Jitendra M. Pawara**, and Sunil S. Patil “Synthesis, Characterization and Applications of Some New Mixed Ligand Ni(II) Complexes” National Conference on Advancement In Interdisciplinary Research(NCAIR-2021). Jointly organised by Amiruddaula Islamia Degree College, Lucknow, UP & Science Tech Institute, Lucknow, UP India on July 29-31, 2021.
2. **Jitendra M. Pawara**, and Sunil S. Patil ‘Synthesis of NiO Nanoparticles by Thermal Decomposition at Low-Temperature of New [Ni(P)(L).2H<sub>2</sub>O] complex and study of antimicrobial activity’ International Symposium on “New Trends in Science and Technology (NTST-2021)” organized by Internal Quality Assurance Cell (IQAC) and Faculty of Science, New Arts, Commerce and Science College, Parner, Dist. Ahmednagar, INDIA virtually held during 5 - 6<sup>th</sup> August, 2021.
3. **Jitendra M. Pawara**, and Sunil S. Patil ‘Synthesis, Spectral Characterization And Biological Investigation Of Some New Mixed Ligand Ni(II) Complexes. in ‘VIRTUAL INTERNATIONAL CONFERENCE ON MULTIFUNCTIONAL ADVANCED MATERIALS (VICMAM-2021)’ organized by Department of Chemistry, JVM’s Degree College in collaboration with Association of Chemistry Teachers on 9th and 10th August, 2021.

4. **Jitendra M. Pawara**, and Sunil S. Patil Preparation, Spectral and Thermal Characterization and Antimicrobial Study of Some New Mixed ligand Nickel Complexes. International Virtual Conference on Current Scenario in Chemical Sciences (CSCS-2021) organized by School of Chemical Sciences, Moolji Jaitha College (Autonomous), Jalgaon (MS), India on 6<sup>th</sup> and 7<sup>th</sup> September 2021.
5. **Jitendra M. Pawara**, and Sunil S. Patil An Inventive Scheme Designed for the Synthesis of Some New Mixed Ligand Ni(II) Complexes Its Characterization and Antimicrobial investigation. “7<sup>th</sup> Go Green Summit” held on October 14<sup>th</sup> and 15<sup>th</sup>, October 2021 organized by BioLEAGUES Manila, Philippines.
6. **Jitendra M. Pawara**, Synthesis and Characterization of Metal Oxide Nanoparticles and its Applications, International International Board for Education, Research and Development 3rd International Conference on Empirical and Theoretical Research 28-29 January 2022 International Board for Education, Research and Development
7. **Jitendra M. Pawara**, Thermal, Physicochemical, Spectral and Biological investigation of Mixed Ligand Lanthanum Complexes, Conference International Recent trends in basic and applied science 13-14 May 2021 R.B. Narayanrao Borwake College Shrirampur, Ahamadanagar
8. **Jitendra M. Pawara**, “Synthesis, Thermal, Spectral Characterization and biological study of Som Mixed Ligand Nickel (II) Complexes” Conference National International Conference on Advance Interdisciplinary Research (ICAIR-2023)) 07-09/04/2023. Digvijay Nath Post Graduate College, Gorakhpur, UP

**5. Books authored:**

International Publisher	:	
National Publisher	:	<b>08</b>
Chapter in edited book	:	

**6. List of Books authored:**

- 1) F.Y.B.Sc. Chemistry Paper-II Organic Chemistry 2019-20. Sheth publication
- 2) T.Y.B.Sc. An introduction to Drugs (Sem V and VI) 2021-22. Sheth publication
- 3) Physical Chemistry, T.Y.B.Sc. Semester (V & VI), (2023-24) Sheth publication.
- 4) T.Y.B.Sc. An introduction to Drugs (Sem V and VI) (2023-24). Sheth publication
- 5) T.Y.B.Sc. Synthetic Dyes Semester (V & VI), (2023-24) Sheth publication.
- 6) F.Y.B.Sc. Chemistry Paper-II Organic Chemistry (Sem I, II) (2023-24) Sheth publication
- 7) F.Y.B.Sc. Chemistry Paper-II Physical Chemistry (Sem I, II) (2023-24) Sheth publication
- 8) F.Y.B.Sc. Practicals in Chemistry (Sem I, II) (2023-24) Sheth publication

**7. Major Research Project Ongoing:**

Title of the project	Date of sanction	Duration	Grant received	Funding agency
“Physicochemical, Thermal, Spectral and Biological Evaluation of Mixed Ligand Complexes of Inner Transition Metal and their nanoparticles”	20/12/2022	1 Year	1,00000/-	RUSA

**8. Minor Research Project Completed:**

Title of the project	Date of sanction	Duration	Grant received	Funding agency
Nil				

**9. Patents:**

Status	National	International
Applied	Nil	Nil
Granted		

**10. List of patents:****11. Membership:**

- A life Member Association of Chemistry Teachers
- A life Member Indian Science Congress

**12. Consultancy service provided and Revenue generated:****13. Academic Staff College Orientation/Refresher courses attended:**

Name of the Course	Place	Duration	Sponsoring Agency
Orientation Course	CPDHE University of Delhi	09/10/2018 to 06/11/2018	UGC-HRDC, CPDHE University of Delhi
Refresher Course	Swayam platform (Online Mode)	06/11/2018 to 28/02/2019	Ministry of Human Resource Development, UGC, SWAYAM ARPIT
Faculty Development	Online mode offered by Ramanujan College	18/05/2020 to 03/06/2020	PMMMNMSTT, Ministry of Human Resource Development, Ramanujan College University of Delhi
Faculty Development (Two Week)	Online mode offered by Ramanujan College	25/07/2020 to 10/08/2020	PMMMNMSTT, Ministry of Human Resource Development, Ramanujan College

			University of Delhi
Faculty Development (One Week)	Online mode offered by Ramanujan College	08/06/2020 to 14/06/2020	PMMMNMNTT, Ministry of Human Resource Development, Ramanujan College University of Delhi
Faculty Development (One Week)	Online mode offered by VVM Arts and Commerce College Shahada	10/03/2021 to 16/03/2021	UGC-Ministry of Human Resource Development Savitribai Phule Pune University
Online Inter- Disciplinary Two- Week Refresher Course on “Managing Online Classes & Co- creating MOOCS 14.0	Online mode offered by Ramanujan College	07- 21 May, 2022	Ministry of Human Resource Development, Ramanujan College University of Delhi

**14. Participation in conferences, symposia, seminars and workshops:**

Level	Presented paper	Only attended
International	<b>04</b>	<b>05</b>
National	<b>04</b>	<b>20</b>
State		
University		<b>03</b>

**15. Conferences, symposia, seminars and workshops organized as convener/co-convener:**

Level	Convener
International	
National	02
State	05
University	



## 16. Experience on the various committees at the college

- Competitive Exam Cell (Chairman)
- Coordinator of Biogas Plant (Coordinator)
- Equal Opportunity Center (Chairman)
- Board of Studies in Chemistry (Member)
- Science Association 05 years (member)
- Admission Committees 07 years (member)
- SC/ST Cell 03 years (member)
- Class Teacher of M.Sc-I Chemistry

## 17. Experience on the NAAC/ IQAC of the college

Internal Quality Assurance Cell Criteria VI (Member)

Internal Quality Assurance Cell Criteria I (Member)

## 18. Experience on the Various Committees at the University of Mumbai / Government

## 19. Awards/recognitions received:

Level	Title	Year	Awarding agency
International			
National	Best Researcher in Chemical Sciences in international conference	2021-22	MKSES Educational Society
State	Best Oral Presentation international conference	2021-22	M.J. College Jalgaon
University	Stale level Avishkar Research Competition	2017-18	University of Mumbai
	Stale level Avishkar Research Competition	2018-19	University of Mumbai
	PG Recognition	2022-23	University of Mumbai