

Profile of the Faculty



1. General Information:

Name of the Faculty	:	Dr. Sunil. S. Patil
Name of the Department	:	Department of Chemistry
Educational Qualifications	:	M.Sc., M.Phil., Ph.D.
Present Position	:	Assistant Professor
Address for Correspondence	:	Changu Kana Thakur Arts, commerce and Science College New Panvel 410206
E-mail	:	drsunilpatil247@gmail.com
Contact Number	:	+919326312108
Specialization	:	Physical Chemistry
Total teaching experience	:	UG-24, PG-24.
Courses taught	:	T.Y.B.Sc.
Research experience	:	12
Number of students registered for Ph.D. degree	:	02
Number of students awarded Ph.D. degree	:	02
Number of students registered for P.G degree by research	:	02
Number of students awarded P.G degree by research	:	Nil

2. Publication of Research Papers:

UGC listed journals	:	18
Peer reviewed journals	:	02
Non-peer reviewed journals	:	00
Conference proceedings	:	Nil

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. 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>
5. 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).
6. **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).
7. **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) (Accepted)
8. **Sunil S. Patil** a , Ganesh A. Thakurb And Vishwanath R. Patil*C Synthesis, Spectral And Biological Studies On Some Mixed Ligand Ni(Ii) Complexes Acta Poloniae Pharmaceutica Ñ Drug Research Vol. 66 No. 3 Pp., 2009 0001-6837 271-277

9. **Sunil S. Patil**,¹ Ganesh A. Thakur,² and Manzoor M. Shaikh¹ Synthesis, Characterization, and Antibacterial Studies of Mixed Ligand Dioxouranium Complexes with 8-Hydroxyquinoline and Some Amino Acids International Scholarly Research Network ISRN Pharmaceutics Volume 2011, Article ID 168539 doi:10.5402/2011/168539 , 6 pages
10. **Sunil S. Patil** *, Ganesh A. Thakur² And Manzoor M. Shaikh¹ Synthesis, Characterization And Antibacterial Studies On Some Mixed Ligand Thorium Complexes With N- And O-Donor Ligands Acta Poloniae Pharmaceutica Ñ Drug Research Vol. 68 No. 6 Pp. 881ñ887, 2011 Issn 0001-6837 881-887,
11. Akalpita S. Bodkhe*, **Sunil S. Patil** And Manzoor M. Shaikh Synthesis, Characterization And Antibacterial Studies On Mixed Ligand Copper Complexes With Polydentate Ligands Acta Poloniae Pharmaceutica Ñ Drug Research , Vol. 69 No. 5 Pp., 2012 0001-6837 871-877
12. **Sunil S. Patil** *, And Manzoor M. Shaikh¹ Synthesis, Characterization And Antibacterial Activity Of Mixed Ligand Dioxouranium Complexes Of 8-Hydroxyquinoline And Some Amino Acids Acta Poloniae Pharmaceutica Ñ Drug Research Vol. 69 No. 4 pp., 2012 ISSN 0001-6837 Polish Pharmaceutical Society 679-686
13. **Sunil S. Patil** *, Ganesh A. Thakur² And Manzoor M. Shaikh¹synthesis, Spectral, Thermal And Antibacterial Investigations Of Mixed Ligand Complexes Of Thorium(IV) Derived From 8-Hydroxyquinoline And Some Amino Acids Acta Poloniae Pharmaceutica Ñ Drug Research Vol. 69 No. 4 Pp., 2012 Issn 0001-6837 Polish Pharmaceutical Society 1087-1093,
14. Maharudra Kekare, Vikas Vaidya, Jagdish Thakur, **Sunil Patil**, Bhushan Langi Synthesis, Characterization and Biological Studies on Some Mixed Ligand La (III) Complexes International Journal of Science and Research (IJSR) 2012 ISSN (Online): 2319-7064 178-183
15. M. N. Gurav, **S. S. Patil** And M. K. Pejaver Planktonic Diversities And Densities With Respect To Its Relationships To The Nutrients In River Gadhi And Deharang Reservoir By 1m. N. Gurav, 2s. S. Patil And 3m. K. Pejaver Life Sciences Leaflates 2012-07-01 0976-1098 And P-Issn: 2277-4297 56-60

16. **Sunil Patil**, Bhushan Langi , Minakshi Gurav and Digambar Patil Synthesis, Physical and Spectral Investigations and Biological Studies of Mixed Ligand Lanthanum Complexes Annals of Rumanian society for cell biology April 2021 25 (04) 10559-10569 1583-6258
17. **Sunil Patil**, Bhushan Langi , Minakshi Gurav and Digambar Patil Studies of Mixed Ligand Lanthanum Complexes: Synthesis, Spectral Interpretations and Antibacterial Study Journal of Pharmaceutical Research International July 2021 33 (37A) 161-174 2456-9119.
18. **Patil, Sunil** and Langi, Bhushan and Gurav, Minakshi and Patil, Digambar, Physicochemical, spectral and antibacterial studies of mixed ligand lanthanum complexes (August 3, 2021) Available at SSRN: <https://ssrn.com/abstract=3955608> or <http://dx.doi.org/10.2139/ssrn.3955608>
19. D.B.Patil, **S. S. Patil**, "Relativistic Magneto Dust Distribution Basic Concepts And System Equations ", Ijrar - International Journal Of Research And Analytical Reviews (Ijrar), E-Issn 2348-1269, P- Issn 2349-5138, Volume.6, Issue 1, Page No Pp.120-122, March 2019, Available At : [Http://Www.Ijrar.Org/Ijrar1aap029.Pdf](http://Www.Ijrar.Org/Ijrar1aap029.Pdf) .
20. U.N. Dhaigude¹ and **S.S. Patil**² G.A. Thakur^{1,*} Some Mixed Ligand Complexes of Lanthanum(III) Using 1-Nitroso-2-naphthol and Amino Acids Some Mixed Ligand Complexes of Lanthanum (III) Using 1-Nitroso-2-naphthol and Amino Acids* - Asian Journal of Chemistry, 2018

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).2H₂O] 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 - 6th 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 6th and 7th 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. “7th Go Green Summit” held on October 14th and 15th, October 2021 organized by BioLEAGUES Manila, Philippines.

5. Books authored:

International Publisher	:	
National Publisher	:	08
Chapter in edited book	:	
Edited book by international publisher	:	
Edited book by National publisher	:	

6. List of Books authored:

- 1) Physical Chemistry, T.Y.B.Sc. Semester (V & VI), (2023-24) Sheth publication.
- 2) F.Y.B.Sc. Chemistry Paper-II Physical Chemistry (Sem I, II) (2023-24) Sheth publication
- 3) 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
Synthesis, Spectral and Antibacterial Investigations of Some Rare Earth Metal Complexes with Polydentate Ligands	2019	3 Year	450000/-	UGC

8. Minor Research Project Completed:

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

9. Patents:

Status	National	International
Applied		
Granted	01	

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 Programme	Rani Durgawati Vishvidyalaya, Jabalpur, Madhya Pradesh	May 2, 2016 to May 28, 2016	UGC
Two Weeks Faculty Development	Online offered by Ramanujan College	April 20, 2020 to May 6, 2020	Teaching Learning Centre, Ramanujan College, University of Delhi sponsored by Ministry of Human Resource Development, Pandit Madan Mohan Malviya National Mission on Teachers and Teaching
Two Weeks Faculty Development	Online offered by Ramanujan College	July 2, 2020 to July 17, 2020	Teaching Learning Centre, Ramanujan College, University of Delhi sponsored by Ministry of Human Resource Development, Pandit Madan Mohan

			Malviya National Mission on Teachers and Teaching
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14. Participation in conferences, symposia, seminars and workshops:

Level	Presented paper	Only attended	Chaired session	Resource person
International	04	05		
National	04	20		
State				
University		03		

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

Level	Convener	Co-convener
International		
National	02	
State	05	
University		

16. Experience on the various committees at the college

- Coordinator of Biogas Plant (Coordinator)
- Board of Studies in Chemistry (Member)
- Science Association 05 years (member)
- Class Teacher of M.Sc-I Chemistry

17. Experience on the NAAC/ IQAC of the college

NAAC Steering committed member

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

- Director of Students Welfare University of Mumbai (August 2016 to till date)
- Officer on special duty Govt. of Maharashtra
- Govt. Observer Avishkar Research Convention 2017-18 Rahuri.
- Govt. Observer Avishkar Research Convention 2018-19 Gadchiroli.

19. Awards/recognitions received:

Level	Title	Year	Awarding agency
University	Vigyan Gaurav (Excellence award for uplifting undergraduate research in University of Mumbai)	2019-20	Rishi Dayaram and Seth Hassaram National College and Seth Wassiamull Assomul Science College, Bandra, Mumbai