



Rayat Shikshan Sanstha's
Yashavantrao Chavan Institute of Science, Satara (Autonomous)
(Lead College of Karmaveer Bhaurao Patil University, Satara)

Faculty Profile

❖ **General information**

Name : Dr. Madhuri Suryakant Barge
Designation : **Assistant Professor**
Department : Chemistry
Educational Qualification : **M. Sc., Ph. D.**
Date of Appointment : 20-02-2020
Teaching Experience : UG: 4.5 Years
PG: 4.5 Years
Research Experience : 05 years
Research Area : Green Chemistry, Organic Synthesis, Bioactive Heterocycles



❖ **Educational Qualification Details (Undergraduate onwards)**

Sr. No.	College/University	Degree	Subjects	Year	Class/ Percentage
1	Yashavantrao Chavan Institute of Science, Satara	B. Sc.	Chemistry	2007	78.04
2	Shivaji University, Kolhapur	M. Sc.	Organic Chemistry	2009	79.72
3	Shivaji University, Kolhapur	Ph. D.	Organic Chemistry	Dec 2013	B

❖ **Academic and Administrative Responsibilities**

Sr. No.	Position	Organization	Date/Duration
1	Chairperson- Quality Improvement Program Committee	YCIS Satara	2020 to till date
2	Chairperson- Women Empowerment Committee	YCIS Satara	2020-2021
3	Member- Women Empowerment Committee	YCIS Satara	2021 to till date
4	Member- Cultural Committee	YCIS Satara	2022 to till date
5	Member- Internal Complaint Committee	YCIS Satara	2022 to till date
6	Member- NAAC Criteria VII	YCIS Satara	2022 to till date
7	Member-NIRF	YCIS Satara	2021 to 2023
8	Member- BOS Chemistry	YCIS Satara	2020 to till date
9	Member- Slow and Advanced Learner's Committee	YCIS Satara	2021 to till date
10	Member-Parent Teacher Association	YCIS Satara	2023 to till date

❖ **Awards/Honors/Recognitions/Scholarship etc.:**

Sr. No.	Name of the award/honor/recognition	Awarding Organization	Date and year
1	Eklavya Scholarship	Shivaji University Kolhapur	2007-2008
2	DST - PURSE Fellowship	Department of Science and Technology	2011-2013
3	World Scientist and University Rankings	AD Scientific Index	2022-2023
4	World Scientist and University Rankings	AD Scientific Index	2023-2024

❖ **Research Papers:**

Sr. No	Title of Paper	Journal/proceeding details (Name, volume, page no, year of publication etc.)	ISSN No	Listed in Scopus/Web of Science/ UGC Care	Impact factor (If any)
1	One drop organocatalyzed multicomponent synthesis of pyrazolo[1,2-b]phthalazine-diones and pyrazolophthalaziny quinolines	Research on Chemical Intermediates, 2022, 48, 5045-5058	0922-6168,	Scopus	3.3
2	DABCO functionalized dicationic ionic liquid (DDIL): A novel green benchmark in multicomponent synthesis of heterocyclic scaffolds under sustainable reaction conditions.	Journal of Molecular Liquids, 2016, 224, 1102-1108	0167-7322	Scopus and Web of Science	6.633
3	Aqueous hydrotrope: An efficient and reusable medium for a green one-pot, diversity-oriented synthesis of quinazolinone derivatives	Molecular Diversity, 2015, 19, 435-445	1573-501X	Scopus, UGC Care	3.8
4	Aqueous extract of Balanites roxburghii fruit: A green dispersant for C-C bond formation	RSC Advances, 2014, 4, 31177-31181	2046-2069	Scopus, Web of Science	3.9
5	Hydrotrope: Green and rapid approach for the catalyst-free synthesis of pyrazole derivatives	Monatshefte fur Chemie - Chemical Monthly, 2013, 144, 1213-1218	0026-9247	Scopus, UGC Care	1.8
6	Ultrasound promoted efficient and green synthesis of β -amino	Ultrasound Sonochemistry,	1350-4177	UGC-Care Scopus	

	carbonyl compounds in aqueous hydrotropic medium	2012, 19, 812–815		Web of Science	9.336
7	Micellar dispersion assisted green synthesis of β -enaminones	Organic Chemistry-An Indian Journal, 2015, 11(2), 59-65	0974-7516		4.00
8	Brönsted Acid Hydrotrope Combined Catalyst for Environmentally Benign Synthesis of Quinoxalines and Pyrido[2,3- <i>b</i>]pyrazines in Aqueous Medium	Tetrahedron Letter, 2012, 53, 2756-2760	0040-4039	Scopus, Web of Science	1.8

❖ **Paper Presentation in Conference /Seminar/ Symposia:**

Sr. No	Title of paper	Name of the Conference /Seminar/ Symposia Details (Title, Date, Page No etc.)	Level (Intl/Natl/State /Uni etc.)	Organizing institute
1	Poster	Emerging Trends in Chemical Sciences, 2 nd to 4 th November, 2012	International	Solapur University, Solapur
2	Poster	Symposia-Catalysis for Sustainable Development, 11 th to 13 th February, 2013	National	CSIR IICT, Hyderabad
3	Oral	Current Research in Chemical Sciences (CRCS-2013), 22 nd to 23 rd January, 2013.	National	Shivaji University Kolhapur
4	Poster	Multidisciplinary Approach and Innovations in Chemical Sciences (MAICS-2022), 25 th to 26 th March, 2022.	International	YCIS, Satara

❖ **Citation Index**

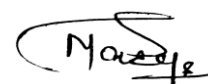
	Google Scholar	Scopus	Web of Science
Citations	244	208	207
h-index	6	6	6
i10-index	6	--	--

❖ **Participation in Orientation/Refresher/FDP/Short Term/Training Programs:**

Sr. No.	Name of the Program	Organizing Institute	Date
1	Orientation Program	Ramanujan College, University of Delhi	04-06-2020 to 01-07-2020
2	One week FDP on Online Tools for Research Analysis	Ramanujan College, University of Delhi	08 th June to 14 th 2021
3	Two week Refresher Course in Chemistry	Ramanujan College, University of Delhi	29-11-2022 to 13-12-2022
4	MS DEED Level 1 Teachers Training Workshop on Introduction to Innovative Pedagogies for Undergraduates Teachers	Maharashtra State Faculty Development Academy (MSFDA) and Indian Institute of Science, Education and Research (IISER)	15 th to 17 th February, 2023
5	National level FDP on Policy Initiatives and Quality Enhancement in Higher Education	Association of Chemistry Teachers Academy, Tamil Nadu	27-03-2023 to 01-04-2023
6	FDP on Research Writing and Anti-Plagiarism Tools	Association of Chemistry Teachers Academy, Tamil Nadu	30 th August to 31 st August, 2023
7	Training Program on Curriculum Framework to Develop Program Outcomes, Course Outcomes and their Attainment	Yashwantrao Chavan Institute of Science, Satara	31 st March, 2022

❖ **Participation in Conference/Seminar/Symposia/Workshop/Any other programs:**

Sr. No.	Name of the event	Organizing institute	Level (Intl/Natl/State/Uni/Local etc.)	Date
1	Recent Advances in Renewable Energy and Hygiene Devices (RAREHD 2018)	YCIS, Satara	International	5 th to 6 th March 2018
2	International Conference on Chemistry, Environment and Energy (ICCEE 2019)	YCIS, Satara	International	16 th to 18 th Feb, 2019
3	Multidisciplinary Approach and Innovations in Chemical Sciences (MAICS-2022)	YCIS, Satara	International	25 th to 26 th March, 2022



Signature of Faculty