



Rayat Shikshan Sanstha's
Yashavantrao Chavan Institute of Science, Satara
Constituent College of Karmaveer Bhaurao Patil University, Satara

Faculty Profile

❖ **General information**

Name	: Ms. Nilam Sarjerao Dhane.
Designation	: Assistant Professor
Department	: Chemistry
Educational Qualification	: M. Sc., NET
Date of Appointment	: 10/08/2022
Teaching Experience	: UG: 3.5 years PG: 3.5 years
Research Experience	: 3.5 years
Research Area	: Organic Synthesis



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

Sr. No.	College/University	Degree	Subjects	Year	Class/ Percentage
1	Y. C. I. S Satara	B. Sc	Chemistry	2017	66.72 %
2	A. I. S. C Pune	M. Sc	Organic Chemistry	2019	62.50 %
3	JOINT CSIR-UGC	NET	Chemical Science	2022	90
4	Shivaji University Kolhapur	Ph.D	Pursuing	2022	-

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

Sr. No.	Name of the award/honor/recognition	Awarding Organization	Date and year
1	AVISHKAR	Shivaji University Kolhapur	07/12/2022
2	Emerging Trends in Chemical Sciences and Nanomaterials	Rajarshi Chhatrapati Shahu College Kolhapur	25/02/2023
3	Run for Equality	Y. C. I. S Satara	30/10/2023

4	Azadi ka Amrut Mahotsav	Y. C. I. S Satara	17/09/2023
5	-	-	-

❖ Worked as Editor/Reviewer to Journals/Books/Proceedings etc.

Sr. No.	Name of the Journal/Book/Proceedings	ISSN/ISBN No.	Assignment (Editor/Reviewer)	Publisher	Publication year
1	Research on Chemical Intermediate	-----	Reviewer	-----	-----
2					

❖ Details of Research Publications

A) Patent

Sr. No.	Title	Patent No.	Indian/US/ Any other	Granting date
1	A system for the synthesis of Gel-ZnO nanorods (Gel-ZnO NRs) for the degradation of methylene blue.	DE2024107641U1 IPC: C01G 9/02	German	29 <u>an 2025.</u>

B) Books/Book Chapters

Sr. No.	Title	Publisher	Year of Publication	ISBN No	Type (Reference/Text)
1	Recent Trends in Synthesis of Tetrahydrobenzo[b]pyrans by Using Ionic Liquids	Aavishkar Publication	2024	ISBN 978-81-964704-6-3	Reference
2					
3					
4					

C) 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	Agar Supported NiO NPs: A Sustainable Approach for synthesis of 3,4-dihydropyrimidin-2 (1H)-Ones in Aqueous Hydrotropic Media	Catalysis letters, 2023	1011-372X (print) 1572-879X (web)	Scopus	2.936
2	Synthesis of 1, 8 Dioxodecahydroacridines via Hantzsch Condensation Using Theophylline in an	Research on Chemical Intermediate, 2023	-	Scopus	3.3

	Aqueous Medium: An Eco-Friendly and Bio-based Approach				
3	Magnetite-supported salicylic acid (Fe ₃ O ₄ @SA) as a magnetically separable and reusable catalyst for the synthesis of 3, 4 dihydropyrimidin-2(1H)-ones/thiones and benzylidenemalononitrile derivatives under solvent-free conditions	Iranian Journal of Catalysis	-	Scopus	2.5
4	An Efficient and Environmental Friendly Synthesis of 1 <i>H</i> -pyrazolo[1,2-b]phthalazine-5,10-dione in aqueous hydrotropic medium	Journal of Chemical Sciences	-	Scopus	1.7
5.	Ultra-Probe Sonication Assisted Greener Approach in Aqueous Hydrotropic Media for the Synthesis of Pyranopyrazole Derivatives	Research on Chemical Intermediates	-	Scopus	3.3
6.	A Comprehensive Overview of Recent Trends in the Production of Nitrogen-Containing Heterocyclic Compounds Using	Letters in Organic Chemistry		Scopus	1.0

	Nanocatalysts			
7.	Green and eco-compatible synthesis of quinoxaline molecules using chitosan as a biodegradable catalyst in aqueous hydrotropic medium	Tetrahedron		Scopus 2.2
8.	Co-Engineered Ag/CuO Nanuparticles via Artemesia pallens:Catalytic, Antibacterial, and Molecular Docking Perspectives	Journal of Cluster Science		Scopus 3.6

D) 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	Ultra-probe Sonication Assisted Greener Approach for the Synthesis of Pyranopyrazole Derivatives in Aqueous Hydrotropic Media	6 th International Conference on Nanomaterials for Energy and Environmental [Nano-E2]	International	The New College, Kolhapur and Shri Yashawantrao Patil Science College Solankar
2	<i>Ultra-Probe Sonication Assisted Greener Approach for the Synthesis of Pyranopyrazole Derivatives</i>	National conference on Emerging Trends in Chemical Sciences and Nanomaterials	National	R.C. Shahu College, Kolhapur held between 24 th – 25 th Feb. 2023.

	<i>in Aqueous Hydrotropic Media</i>		
3	<i>The Greener Approach for the Photocatalytic Degradation of Methylene Blue by Using ZnO Nanorods Supported by the hydrogel</i>	International conference on Recent Trends in Fabrication of Nanomaterials and Their Applications (ICRTFNA-2023)	International R.C. Shahu College, Kolhapur held on 15 th March 2023
4	<i>Synthesis of 1,8-Dioxodecahydoroacridines via Hantzsch Condensation using Theophylline in an Aqueous Medium</i>	International conference on Advanced and Emerging Trends in Sciences (ICAETS-2025)	International Dahiwadi College Dahiwadi held between 08 th – 10 th Jan. 2025.

E) Citation Index

	Google Scholar	Scopus	Web of Science
Citations	25	25	25
h-index	3	3	3
i10-index	-	-	-

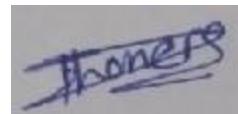
❖ Participation in Conference/Seminar/Symposia/Workshop/Any other programs:

Sr. No.	Name of the event	Organizing institute	Level (Intl/Natl/ State/Uni/Local etc.)	Date
1	Advanced Characterization Techniques in Science and	Department of Science and Technology (DST), Ministry of Science	-	30 Jan-5 Feb 2023

	Technology	and Technology, Govt. of India, New Delhi		
2	MS-DEED Level 1 In-person Workshop on Introduction to Innovative Pedagogies for College Teachers	Maharashtra State Faculty Development Academy	1	15 Feb-17 Feb 2023
3	-	-	-	-
4	-	-	-	-
5	-	-	-	-

❖ Resource person in Conference/Seminar/Workshop/Any other programs:

S. No.	Title of the event	Level (Intl/Natl/ State/Uni./local etc.)	Organizer	Date
1	NET-SET Guidance lecture for M. Sc. Drug chemistry students	Local	Yashavantrao Chavan Institute of Science, Satara	
2.				



Signature of Faculty