

Faculty Profile

- **Faculty Name** : **Dr. Rutuja Ramesh Zond**
- **Designation** : **Assistant Professor**
- **Department** : **Applied Science & Humanities**
- **Mobile No.** : **8329394361**
- **Email Id.** : **rutujazond@gmail.com**

• Educational Qualification

Sl.	Degree	University	Class
1	Ph.D.	Shivaji University, Kolhapur	-
2	M. Sc. (Organic Chemistry)	Shivaji University, Kolhapur	First class with distinction

• Professional experience:-

Total experience in years:-

6

Teaching: - 02 Industrial: -00 Research: -05

Sl.	Organization	Post	Period
1	Rajaram College, Kolhapur	Lecturer	2021 to 2022
2	Ashokrao Mane Group Of Institutions	Assistant Professor	2025- Till Date

➤ **Subject Taught:- Chemistry**

Postgraduate Subjects			
1	Chromatographic methods	2	Chemistry of air pollutants
3	Water Technology	4	Advanced Engineering Materials
5	Electroanalytical and Instrumental Methods of Chemical Analysis	6	Fuels and Combustion Technology
7	Lubricants, Batteries and Smart Sensors	8	Corrosion Science and Green Chemistry:

➤ **Project Work at U.G.:-** Extraction of fat from oilseeds

Project Work at P.G.:- Magnetic nanoparticles catalyzed a one-pot multicomponent organic reaction

➤ **Research Area of Interest:-** Green chemistry, organic synthesis, heterocyclic synthesis, catalysis, and medicinal chemistry

➤ **Book Published:-**

Sr. No	Name of the book	University
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➤ **Paper Published in National & International Journal:-**

Sl.	Title	Name of Journal	Type*(NJ/IJ)	Date	ISSN No.
1	Design, synthesis, docking studies and anticancer evaluation of spiro[indoline-3,4'-pyrano[2,3- <i>c</i>]pyrazole] derivatives on MIN-6 cancer cell line,	Journal of Molecular	IJ	2023	1277,
2	Design and synthesis of γ -Fe ₂ O ₃ @Ag-S-CH ₂ -COOH nanocatalyst for one-pot synthesis of 2,3-dihydroquinazolin-4(1 <i>H</i>)-ones and their anti-skin cancer activity	Applied Organometallic Chemistry	IJ	2023	37, (2023)
3	Fe ₃ O ₄ @Thiosemicarbazide-Cu(II): An efficient magnetically separable catalyst for greener synthesis of 1,2,3-triazoles using click reaction	Journal of Organometallic Chemistry	IJ	2023	1004, (2023), 122925
4	Boronic acid functionalized silica-coated Fe ₃ O ₄ as a novel magnetically separable catalyst for the synthesis of hydrazinyl thiazoles	Applied Organometallic Chemistry	IJ	2023	37, (2023), 1–12
5	Fe ₃ O ₄ @SiO ₂ -Pr-THAM-(OSO ₃ H) ₃ : a novel magnetically separable catalyst for the synthesis of 4 <i>H</i> -chromenes and their antioxidant and antibacterial study	Research on Chemical Intermediates	IJ	2025	51, (2025), 1233–1256
6	Synthesis, docking simulation, DFT study, and anticancer evaluation of spiro[benzo[<i>c</i>]pyrano[3,2- <i>a</i>]phenazines] using [Fe ₃ O ₄ @SiO ₂ -Pr-DABCO-Pr-CH ₃][OH] ₂ as a novel magnetically separable catalyst	Journal of Molecular Structure	IJ	2025	1342, (2025), 142475
7	Fe ₃ O ₄ @SiO ₂ @CPTMS –PADETA nanocomposite-catalysed one-pot three-component synthesis of spiroindoloquinazolines: A combined biological and computational profiling	Journal of Molecular Structure	IJ	2025	1348, (2025), 143368
8	Synthesis, characterization, and catalytic application of novel magnetically separable Fe ₃ O ₄ @SiO ₂ -Pr-NH-TDI-VB ₁ for	Applied Organometallic Chemistry	IJ	2025	(2025), e70299

	rapid synthesis of hydrazinyl Thiazoles				
9	Fe ₃ O ₄ @SiO ₂ -Pr-N-DETAAP-Cu(II): A new magnetically separable catalyst for efficient synthesis of 1,4-disubstituted 1,2,3-triazole using click reaction	Journal of Molecular	IJ	2025	(2025),
10	Fe ₃ O ₄ @SiO ₂ -Pr-THAM-(Bu-SO ₃ H) ₃ as a new magnetically separable catalyst for eco-friendly synthesis of pyrazolopyranopyrimidines and their DFT studies	Journal of Molecular Structure	IJ	2026	(2026)145448

* NJ- National Journal

IJ- International Journal

Patents published

Digital Campus Management and Interaction Platform	Design no- 6530439	03/06/2026	12/02/2026	Published	UK (Design Patent)	Design Certificate- 6530439
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- **No. of Project Guided at U.G. Level:-** -
- **No. of Project Guided at P.G. Level:-** -
- **STTP/FDP/Workshops/Attended/Participated:-**

Sl.	Name of STTP/FDP/workshop	Organized By	Date
1	Presented paper (Oral) in National Conference on “Melgumine copper complex supported on Fe ₃ O ₄ @SiO ₂ -CPTMS nanosphere as an efficient and magnetically retrievable catalyst for synthesis of 1,2,3-triazoles using click chemistry”	Rani Channamma University, Belagavi, Karnataka	15-16 December 2022
2	Presented paper (Poster) in National Conference on “Design, synthesis, docking studies and anticancer evaluation of spiro[indoline-3,4'-pyrano[2,3- <i>c</i>]pyrazole] derivatives on MIN-6 cancer cell line”	Sadguru Gadage Maharaj College, Karad	10-11 February 2023
3	Presented paper (Oral) in International Conference on “Fe ₃ O ₄ @Thiosemicarbazide-Cu(II): An efficient magnetically separable catalyst for greener synthesis of 1,2,3-triazoles using click reaction”	SMT. Kusumtai Rajarambapu Patil Kanya Mahavidyalaya	24-25 March 2023
4	Presented paper (Poster) in National Conference on “Synthesis of thiosemicarbazide-Cu(II) complex supported on magnetite for cycloaddition reaction”	N. D. Patil Mahavidyalaya, Malakapur	29 April 2023

5	Presented paper (Poster) in National Conference on “Fe ₃ O ₄ @SiO ₂ -Pr-THAM-(OSO ₃ H) ₃ : A novel magnetically separable catalyst for eco-friendly one-pot synthesis of 4 <i>H</i> -chromenes”	Dr. Patangrao Kadam Mahavidyalaya, Sangli	17 February 2024
6	Presented paper (Oral) in One Day National Conference on “Synthesis, docking simulation, DFT study, and anticancer evaluation of spiro[benzo[<i>c</i>]pyrano[3,2- <i>a</i>]phenazines] using [Fe ₃ O ₄ @SiO ₂ -Pr-DABCO-Pr-CH ₃][OH] ₂ as a novel magnetically separable catalyst”	Deccan Education Society, Pune Willingdon College, Sangli (Autonomous)	22 March 2025
7	Participated in two-days workshop and hands-on training on XRD organized by SAIF (CFC)	Shivaji University, Kolhapur	11-12 November 2021
8	Participated in a six-days workshop and hands-on training on “Structural & Morphological Characterization using Sophisticated Instruments”	SAIF (CFC), at Shivaji University, Kolhapur	12-18 September 2022
9	Participated in five-days GIAN workshop on Advanced Functional Materials and Green	Department of Chemistry, Shivaji	16-20 October 2023

	Energy Strategies	University, Kolhapur sponsored by MHRD Scheme-Global Initiative for Academic Network (GIAN) and Indian Institute of Technology, Kharagpur (West Bengal), India	
10	BVIT FDP On Artificial Intelligence And Applications	Bharati Vidyapeeth	8-10-2025 to 10-10-2025
11	45th GISFI Standardization Series Meeting and International Workshop on Digitisation : Bridging the Present and Future	AMGOI	30/10/2025 to 11/1/2025
12	FDP on Emerging Trends in Artificial Intelligence And Machine Learning	AMGOI	29-12-2025 to 3-1-2025
13	One -Day Workshop on "NBA Accreditation Preparation"	AMGOI	04-01-2026 to 04-01-2026
14	NEP-2020: Orientation & Sensitization” under Malaviya Mission-Teacher Training Programme (MM-TTP)	UGC-JNV	17-11-2025 to 25-11-2025

➤ **Special Achievements :-**

➤ Golden Jubilee Research Fellowship is awarded by Shivaji University, Kolhapur. (2023)

➤ **Departmental Responsibilities:-** R & D Coordinator, NAAC criteria 3 Coordinator, Faculty Feedback Coordinator, Class Coordinator, Mentor for batch G1 & C1, ISTE Coordinator, Anti-

Ragging squad Member, Admission Cell: Admission Counselling member

➤ **Other Experience/Responsibilities If Any :-**

➤ **Social Contribution If Any:-**Food donation, Tree Plantation

1. **Professional Membership If Any:-** 1] IFERP=PROF-19753567