Faculty Profile

- **Faculty Name** : **Dr. Rutuja Ramesh Zond**
- **Designation** : **Assistant Professor**
- **Department** : **Chemistry**
- **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: - 01 Industrial: -00 Research: -05

Sl.	Organization	Post	Period
1	Rajaram College, Kolhapur	Lecturer	2021 to 2022

- **Subject Taught**:- Chemistry

Postgraduate Subjects			
1	Chromatographic methods	2	Chemistry of air pollutants

- **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
	-	-

- **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-	Journal of Molecular Structure	IJ	2023	1277, (2023), 134772

	c]pyrazole] derivatives on MIN-6 cancer cell line,				
2	Design and synthesis of γ-Fe_2O_3@Ag-S-CH_2-COOH nanocatalyst for one-pot synthesis of 2,3-dihydroquinazolin-4(1*H*)-ones and their anti-skin cancer activity	Applied Organometallic Chemistry	IJ	2023	37, (2023)
3	Fe_3O_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_3O_4 as a novel magnetically separable catalyst for the synthesis of hydrazinyl thiazoles	Applied Organometallic Chemistry	IJ	2023	37, (2023), 1–12
5	Fe_3O_4@SiO_2–Pr–THAM–$(OSO_3H)_3$: a novel magnetically separable catalyst for the synthesis of 4*H*‑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[*c*]pyrano[3,2-a]phenazines] using [Fe_3O_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_3O_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_3O_4@SiO_2-Pr-NH-TDI-VB_1 for rapid synthesis of hydrazinyl thiazoles	Applied Organometallic Chemistry	IJ	2025	(2025), e70299
9	Fe_3O_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 Structure	IJ	2025	(2025), 143615

* NJ- National Journal IJ- International Journal

- **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_3O_4@SiO_2-CPTMS nanosphere as an efficient and magnetically retrievable catalyst for synthesis of 1,2,3-trizoles 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-*c*]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_3O_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_3O_4@SiO_2-Pr-THAM-$(OSO_3H)_3$: A novel magnetically separable catalyst for eco-friendly one-pot synthesis of 4*H*-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[*c*]pyrano[3,2-*a*]phenazines] using [Fe_3O_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	

- **<u>Special Achievements</u> :-**
- Golden Jubilee Research Fellowship is awarded by Shivaji University, Kolhapur. (2023)

- **Departmental Responsibilities:-**
- **Other Experience/Responsibilities If Any :-**
- **Social Contribution If Any:-** Food donation, Tree Plantation

1. **Professional Membership If Any:-**