

Profile of Prof. (Dr.) Gajanan S. Rashinkar



1) Personal Details:

Full Name: Prof. Rashinkar Gajanan Shankarrao

Current Designation: Professor

Subject Specialization: Organic Chemistry

Date of Birth: 27th January, 1975

Nationality: Indian

Sex: Male

Present Address: Prof. Rashinkar Gajanan Shankarrao

Department of Chemistry,
Shivaji University, Kolhapur-416 004.

Residential Address : Prof. Rashinkar Gajanan Shankarrao

Plot No. B-33, Dhanwantari Nagar, Behind
MHADA Colony, Morewadi, Kolhapur-
415013 (MS)

Mobile: 9823113269

Email: g_s_r_chem@unishivaji.ac.in

2) Academic Qualification

Sr. No.	Examination	Year of Passing	Name of Board/ University	Subjects Taken	Percentage of Marks Obtained	Grade
1	M. Sc.	1998	Shivaji University, Kolhapur	Organic Chemistry	64 %	I
2	Ph.D.	2010	Shivaji University, Kolhapur	Organometallic Chemistry	-----	-----
3	SET	1990	University of Pune	Chemistry	----	----
4.	NET (JRF)	2000	CSIR, New Delhi	Chemical Sciences	-----	----
	Title of Ph.D. thesis	'Synthetic Studies in Some Biologically Active and Ferrocene Based compounds'				

3) Research Specialization:

- Supported Ionic Liquid Phase (SILP) Catalysis
- Ferrocene Labeled molecules
- Bioactive heterocycles as anticancer agents
- Organic synthesis using green chemistry principles
- Ionic liquids as contrast reagents for early detection of cancer
- NHC metal complexes for anticancer therapeutics

4) Teaching experience: 25 years

a) UG Teaching: 05 years

1. Lecturer in New College, Paranda (1998 -1999)
2. Lecturer in Chemistry at "D. B. F. Dayanand College of Arts and Science, Solapur, Maharashtra (1999-2001).
3. Lecturer in Chemistry at "Y.C College of Science, Karad, Maharashtra (2003-2004).

b) PG Teaching: 20 years

1. Worked as a **Lecturer** in Chemistry at “P. G. Centre Shivaji University, Kegaon” Solapur (2001-2002).
2. Worked as a **Lecturer** in Chemistry at Department of Chemistry, Shivaji University, Kolhapur (2002-2003).
3. Working as an **Assistant Professor** in Organic Chemistry at Department of Chemistry, Shivaji University, Kolhapur Since 2004 to 2019.
4. Working as a **Professor** in Organic Chemistry at Department of Chemistry, Shivaji University, Kolhapur Since 2019 till date.

5) Current Position:

- ❖ **Professor**, Organic Chemistry, Department of Chemistry, Shivaji University, Kolhapur (MS)
- ❖ **Coordinator**, Industrial Chemistry Course, Department of Chemistry, Shivaji University, Kolhapur (MS)
- ❖ **Coordinator**, Diploma in Foundry Technology, Shivaji University, Kolhapur (MS)
- ❖ **Director**, IPR Cell, Shivaji University, Kolhapur (MS)
- ❖ **Coordinator**, Alumni Association, Shivaji University, Kolhapur (MS)
- ❖ **Coordinator**, Coaching for NET/SET for SC/ST/OBC & Minorities Community Student (UGS Schemes) Shivaji University, Kolhapur (MS)

6) Research Guidance:

1. No. of M. Phil awarded	:	00
2. No. of Ph. D. awarded		10
3. No. of Ph. D. working		06
4. No. of M. Sc. Projects completed		74

Details of Ph.D. awarded student under guidance

Sr.	Name of Student	Title of Thesis	Registration
1.	Mr. Rajanikant Kurane	Development of Novel Supported Ionic Liquid Phase Catalysts for Efficient Organic Transformations	2011 (Declared)
2.	Mr. Jagannath Jadhav	Synthetic Studies in Azaheterocyclic Compounds	2011 (Declared)
3.	Mr. Sharanabasappa Khanapure	Synthetic Studies in Metallocenes	2012 (Declared)
4.	Miss. Megha Jagdale	Synthetic studies using green chemistry principles	2012 (Declared)
5.	Mr. Altaf Hussain Naikwade	Designing Magnetic Nanoparticle Supported Ionic Liquid Phases (MNPSILPs) For Catalytic Applications	2015 (Declared)
6.	Mr. Shivanand Gajare	Functionalized Magnetic Nanoparticles and graphene for catalytic and medicinal applications	2015 (Declared)
7.	Mr. Arvind Pawar	Synthetic studies in multicomponent heterocyclization reactions	2015 (Declared)
8.	Mrs. Pradnya Patil	Functionalized azaheterocycles for anticancer applications	2018 (Declared)
9	Mr. Taha, Najm Adbullah Aalhusaini	Development of green methods for cross coupling reactions	2019 (Declared)
10.	Mr. Aniket Talanikar	Design and synthesis of step growth polymers containing pendant clickable groups via functional monomer approach	2019 (Declared)
11.	Mr. Prafull B. Dandge	Fabrication of nanoparticles for biomedical applications	2021 (Thesis submitted)

7) Research Projects: Completed: 05 Ongoing: 01

Sr.	Title of Project / Scheme	Funding Agency	Funds received (Rs)	Date of starting	Date of ending
1.	Extractive column chromatographic method for the determination of toxic metals	UGC	50,000/-	April 2004	March 2006
2.	Development of Novel Supported Ionic Liquid Phase (SILP) Catalysts for Efficient Organic Transformations	UGC	7,89,000/-	July 2011	June 2014
3.	Development of New scaffold for Anticancer therapeutics	RGSTC	4,80,000/-	-	-
4.	Designing Magnetic Nanoparticle Supported Ionic Liquid Phases (MNPSILPs) With Pendant Ferrocenyl Group for Catalytic Applications	DST (SERB)	24,60,000/-	Dec. 2015	Dec. 2018
5.	Functionalized azaheterocycles for Anticancer Applications	Research Strengthening Scheme 2019-20 (RSS)	2,90,000/-	Dec. 2020	Dec. 2022
6.	Chemtambola: A Gamified Learning Tool to Transform Chemistry Learning	PM_USHA Scheme	2,40,000/-	March 2025	March 2026 (Ongoing)

8) Patent Published/Granted: 05

Sr.	Patent Title	Name of Applicant(s)	Patent No.	Published /Grant Date	Agency/ Country	Status
1.	Ferrocene Appended N-Complexes of silver or gold or platinum	Dr. G. S. Rashinkar Dr. P. A. Bansode	201821009266	22/01/2021	Indian Patent	Granted
2.	Method For Performing Enhanced Synergistic Anti-Melanoma Activity Of Curcumin-Santalum Album Oil Nano-Formulations	Dr. G. S. Rashinkar Dr. P. A. Bansode	202321031422	16/06/2023	Indian Patent	Published
2.	A System for Synthesizing Nano-Magnetite Supported N-Heterocyclic Gold Complex	Dr. G. S. Rashinkar Dr. P. V. Patil	429617-001	06/09/2024	Indian Patent (Design)	Granted
3.	A System for Synthesizing Nano-Magnetite Supported N-Heterocyclic Gold Complex	Dr. G. S. Rashinkar Dr. P. V. Patil	6384295 (UK Design)	21/08/2024	United Kingdom	Granted
4.	A System for Synthesizing Ferrocene Nanoparticles for Targeted Breast Cancer Therapy	Dr. G. S. Rashinkar Mr. P. B. Dandge	2024106725 (German)	09/12/2024	Germany	Granted
5.	Apparatus For Synthesis Of Bis[Spiro(Quniazoline-Oxindoles)]	Dr. P. B. Patil Dr. D. M. Pore Dr. G. S. Rashinkar	6401953 (UK Design)	18/11/2024	United Kingdom	Granted

9. Research Publication:



[Search](#)

This author profile is generated by Scopus [↗](#)

Rashinkar, Gajanan S.

[Shivaji University, Kolhapur, India](#) • Scopus ID: 28367870700 • [Connect to ORCID](#) [↗](#)

[Show all information](#)

1,724

Citations by 1,347 documents

102

Documents

24

[h-index](#)

Sr.	Author(s)	Title	Name of Journal	Volume	Page	Year
1.	Pore, Amruta Kadu, Vikas Bhosale, Raghunath Bhandari, Shashikant Shimpi, Yash Bansode, Trupti Nerlekar, Nisha Dandge, Padma Rashinkar, Gajanan Bansode, Prakash	Ferrocene tethered imidazoline NHC silver complex [FeMImiMeNHC-Ag] Catalyzed synthesis, anticancer activity, apoptosis, cell cycle arrest and in silico studies of new benzoxazoles	Journal of Molecular Structure	1354	144874	2026
2.	Mahadik, Vrushali Mhaldar, Pradeep. Patil, Mayuri Desai, Shilpa. Dongare, Pravin Rashinkar, Gajanan Pore, Dattaprasad	Design, synthesis, and antitubercular evaluation of 4-thiazolidinone derivatives: A combined experimental and DFT study	Journal of Molecular Structure	1350	144005	2026
3.	Talanikar, Aniket Bhong, Sahil Nagane, Samadhan Wadgaonkar, Prakash Rashinkar, Gajanan	Synthesis and characterization aromatic copolyesters bearing pendant norbornenyl groups	High Performan ce Polymers	-	-	2026
4.	Khot, Suraj Dandge, Prafull Shikalgar, Shadmani Ghule, Poonam Pore, Dattaprasad Rashinkar, Gajanan	A novel theophylline- functionalized magnetic palladium complex for green suzuki-miyaura cross-coupling reaction	Journal of Organomet allic Chemistry	1041	123831	2025
5.	Aalhusaini, Taha Najam Al-darkazali, Waleed Pore, Dattaprasad Rashinkar, Gajanan	Cellulose-immobilized caffeine-NHC[sbnd]Cu complex for Ullmann cross-coupling reactions	Journal of Organomet allic Chemistry	1039	123752	2025
6.	Hiwarale, Dipak Chandane, Wilson Birajdar, Nagesh Sonawane, Vikas Arde, Satyanarayan Deshmukh, Sandip Gare, Sandip Raut, Dattatraya Kshirsagar, Jayashree Rashinkar, Gajanan Sonkamble, Shivanand	Green synthesis and histo-toxicological study of 2,3-dihydroquinazolin- 4(1H)-ones catalysed by novel cellulose supported Bronsted acidic ionic liquid	Journal of Molecular Liquids	430	127636	2025
7.	Aalhusaini, Taha Pore, Dattaprasad	Graphene oxide decorated N-	Journal of Organomet	1034	123637	2025

	Rashinkar, Gajanan	heterocyclic carbene–nickel complex with pendant caffeine for C–H arylation of benzoxazole	allic Chemistry			
8.	Naiknaware, Ramdas Ajudia, Ravi Vekariya, Hitesh Bansode, Trupti Rashinkar, Gajanan Bansode, Prakash	Ionic liquid [FcMeBIMloct] [Br–] catalyzed multicomponent synthesis, anticancer activity, in silico ADMET, DFT, QSAR and molecular docking studies of new dihydropyrimidine-thiones	Journal of Molecular Liquids	426	127313	2025
9.	Patil, Mayuri Mhaldar, Pradeep Mahadik, Vrushali Ghanta, Rinku Shukla, Madhulata Sonawane, Suraj Ghotekar, Suresh Rashinkar, Gajanan Pore, Dattaprasad	Brønsted acidic surfactant [HDMM]+ [HSO4]–: a green microreactor assembly for stereoselective synthesis of novel thiazolyl-pyrazole-chromen-2-ones in water	RSC Advances	15	13753	2025
10.	Aalhusaini, Taha Pore, Dattaprasad Rashinkar, Gajanan	Merrifield resin-supported N-heterocyclic carbene-silver complex appended with caffeine for Sonogashira cross-coupling reaction	Journal of Organometallic Chemistry	1023	123406	2025
11.	A. Talanikar, S. Nagane, P. Wadgaonkar, G. Rashinkar.	Aromatic (co) polycarbonates bearing pendant 2, 3-dimethylmaleimido group based upon a new phthalimidine-containing “cardo” bisphenol	Journal of Macromolecular Science, Part A	61	795-804	2024
12.	P.Dandge, R.Gade, N. Nerlekar, P. Dandge, V. Nandre, D.Pore, G. Rashinkar.	Minting Progress: Multifunctional Bismuth Oxide Nanoparticles via Mentha arvensis extract for Biomedical Advancements	Chemistry Select	9	202404086	2024
13.	Talanikar, S. Nagane, P. Wadgaonkar, G. Rashinkar.	Aromatic (Co) polycarbonates bearing pendant norbornenyl groups: Synthesis, characterization and post-polymerization	High Performance Polymers	36	460-470	2024

		modification				
14.	P. Patil, N. Nerlekar, A. Kuldeep, P. Patil, P. Dandge, T Dongale. P. Dandge, G. Rashinkar	Terminalia bellirica (Gaertn.) Roxb. extract-mediated green synthesis of magnesium oxide nanoparticles for multifunctional applications	Plant Nano Biology	8	100069	2024
15.	P. Patil, P. Patil, P. Dandge, P. Bansode, B. Kumbhar, W. Chandane, S. Rathod, P. Choudhari, S. Khot, N. Valekar, D. Pore, G. Rashinkar	Benzylpyrazolyl naphthoquinones as potential VEGFR-2, GPCR and PPAR inhibitors: Synthesis, anti-cancer evaluation, molecular docking and DFT studies	Journal of Molecular Structure	1301	137202	2024
16.	P. Patil, N. Nerlekar, S. Rathod, P. Mhaldar, T. Najm, P. Bansode, J. Jadhav, P. Dandge, P. Choudhari, D. Pore, G. Rashinkar	Novel sulphonamide-azaheterocycle conjugates and their anti-cancer, anti-inflammatory, anti-diabetic, anti-angiogenesis activity and molecular docking studies	Results in Chemistry	7	101476	2024
17.	P. Patil, P. Bansode, S. Gajare, A. Deshmukh, A. Tiwari, V. Khot, S. Patil, D. Pore, G. Rashinkar	Nano-magnetite supported N-heterocyclic carbene-gold complex with pendant ferrocenyl group as a multi-modal anti-breast cancer agent	Research on Chemical Intermediates	49	5141-5161	2023
18.	W. Chandane, S. Gajare, A. Patil, G. Gajanan; B. Tamhankar.	Nanoparticle Supported Bronsted Acidic Ionic Liquid Catalyzed Synthesis of Dihydro-1H-pyrazolynaphthalene-1,4-diones	Catalysis Letters	153	3357-3370	2023
19.	P.S. Pharande, P.M. Mhaldar, T.R. Lohar, S.K. Ghotekar, Tarulata N. Chhowala, G.S. Rashinkar, D.M. Pore.	A selective heterogeneous cellulose supported Schiff base Cu(II) catalyst for Chan–Evans–Lam coupling	Research on Chemical Intermediates	49	4541-4560	2023
20.	D. Hiwarale, W. Chandane, S. Deshmukh, S. Arde, V. Sonawane, M. Kukade,	Green synthesis, antimycobacterial evaluation and molecular docking	Journal of Molecular Structure	1286	135556	2023

	N. Naik, K. Sonawane, G. Rashinkar	studies of novel 2,3-dihydro-1H-pyrazol-4-yl-naphthalene-1,4-diones				
21.	P.S. Pharande, G.S. Rashinkar, S.K. Ghotekar, D.M. Pore.	An expedient heterogeneous catalyst for one-pot tandem synthesis of 1-aryl-1, 2, 3-triazoles through Huisgen 1,3-cycloaddition	Research on Chemical Intermediates	49	2433-2453	2023
22.	P.S. Pharande, G.S. Rashinkar, D.M. Pore.	Silica-grafted DBU-supported NiCl ₂ : a sustainable heterogeneous catalyst for A ³ coupling	Research on Chemical Intermediates	49	2359-2382	2023
23.	A.A. Talanikar, S.S. Nagane, P.P. Wadgaonkar, G.S. Rashinkar	Norbornenyl-pendant aromatic (co)poly(ether ether ketone)s	Journal of Macromolecular Science, Part A: Pure and Applied Chemistry	60	790-800	2023
24.	P. Bansode, D. Pore, S. Tayade, S. Patil, P. Choudhari, G. Rashinkar	Remarkable anti-breast cancer activity and molecular docking studies of ferrocene tethered pyrimidobenzothiazoles and pyrimidobenzimidazoles	Results in Chemistry	5	5,100758	2023
25.	Madhuri Barge, Gajanan Rashinkar , Dhanaji Kanase, Suhas Mohite, Trushant Lohar	One-drop organocatalyzed multicomponent synthesis of pyrazolo[1,2-b]phthalazine-diones and pyrazolophthalazinyl quinolines	Research on Chemical Intermediates	48	5045-5058	2022
26.	Aniket A Talanikar, Samadhan S Nagane, Prakash P Wadgaonkar, Gajanan S Rashinkar	Post-polymerization modifiable aromatic (co) poly (ether sulfone) s possessing pendant norbornenyl groups based upon a new bisphenol	European Polymer Journal	176	111431	2022
27.	Mayuri V Patil, Pradeep M Mhaldar, Shivaji N	Surfactant based nanoreactor micellar	Journal of Molecular	359	119305	2022

	Tayade, Gajanan S Rashinkar , Dattaprasad M Pore	assembly: An innovative route for synthesis of 2-thioxo-2, 3-dihydroquinazolin-4 (1H)-ones	Liquids			
28.	Pradeep M Mhaldar, Mayuri V Patil, Gajanan S Rashinkar , Dattaprasad M Pore	Magnetically Recoverable Palladium Nanocatalyst [Pd(II)-Benz-Am-Fe ₃ O ₄ @SiO ₂] for Ullmann Type Homocoupling of Aryl halides with N ₂ H ₄ as an Efficient reductant	Journal of Inorganic and Organometallic Polymers and Materials	32	3053-3066	2022
29.	Arvind Pawar, Shivanand Gajare, Ashutosh Jagdale, Sandip Patil, Wilson Chandane, Gajanan Rashinkar , Suresh Patil	Supported NHC-benzimi@ Cu complex as a magnetically separable and reusable catalyst for the multicomponent and click synthesis of 1, 4-disubstituted 1, 2, 3-triazoles	Catalysis Letters	152	1854-1868	2022
30.	Wilson Chandane, Shivanand Gajare, Raju Kagne, Mahesh Kukade, Arvind Pawar, Gajanan Rashinkar, Bhaskar Tamhankar	Sulfated tin oxide (SO ₄ ⁻² /SnO ₂): an efficient heterogeneous solid superacid catalyst for the facile synthesis of 2,3-dihydroquinazolin-4(1H)-ones	Research on Chemical Intermediates	48	1439-1456	2022
31.	Vikas B Shinde, Pradeep M Mhaldar, Tarulata N Chhowala, Mahmoud Mirzaei, Suresh K Ghotekar, Gajanan S Rashinkar, Dattaprasad M Pore	An efficient Brønsted acid ionic liquid catalyzed synthesis of novel spiro1, 2, 4-triazolidine-5-thiones and their photoluminescence study	Journal of Molecular Structure	1249	131528	2022
32.	Shivanand P Gajare, Prakash A Bansode, Pradnya V Patil, Taha NA Aalhusaini, Sanjay S Chavan, Dattaprasad M Pore, Tarulata N Chhowala, Vishwajeet M Khot, Gajanan S Rashinkar	Nano-magnetic Copper Complexes as Double-Edged Sword against MCF-7 Breast Cancer Cells	Chemistry Select	7	e202103818	2022
33.	PS Pharande, GS Rashinkar, DM Pore	Cellulose Schiff base-supported Pd (II): An efficient heterogeneous catalyst for Suzuki Miyaura cross-coupling	Research on Chemical Intermediates	47	4457-4476	2021

34.	Suyog N Korade, Pradeep M Mhaldar, Prafulladatta P Kulkarni, Gajanan S Rashinkar, Dattaprasad M Pore	Meglumine catalyzed one pot synthesis of new fluorescent 2-amino-4- pyrazolyl-6-aryldiazenyl- 4H-chromene-3- carbonitriles	Synthetic Communic ations	51	2336- 2348	2021
35.	Sharanabasappa Khanapure, Dattaprasad Pore, Megha Jagadale, Vaishali Patil, Gajanan Rashinkar	Sustainable Synthesis of Biaryls Using Silica Supported Ferrocene Appended N- Heterocyclic Carbene- Palladium Complex	Catalysis Letters	151	2237- 2249	2021
36.	Arvind Pawar, Shivanand Gajare, Audumbar Patil, Rajanikant Kurane, Gajanan Rashinkar, Suresh Patil	One-pot multicomponent synthesis of N-sulfonyl amidines using magnetic separable nanoparticles- decorated N- heterocyclic carbene complex with copper	Research on Chemical Intermediat es	47	2801- 2820	2021
37.	Shivanand P Gajare, Prakash A Bansode, Pradnya V Patil, Audumbar D Patil, Dattaprasad M Pore, Kailas D Sonawane, Maruti J Dhanavade, Vishwajeet M Khot, Gajanan S Rashinkar	Anticancer, Antibacterial and Hyperthermia Studies of a Caffeine- Based N-Heterocyclic Carbene Silver Complex Anchored on Magnetic Nanoparticles	Chemistry Select	6	1958- 1968	2021
38.	Satyanarayan M Arde, Gajanan S Rashinkar, Sanjay N Jadhav, Audumbar D Patil, Rajashri S Salunkhe	Biogenic synthesis of palladium nanoparticles using Boswellia sarrata and their applications in cross- coupling reactions	Applied Organomet allic Chemistry	34	e6012	2020
39.	Pradeep Mhaldar, Sandip Vibhute, Gajanan Rashinkar, Dattaprasad Pore	Highly effective cellulose supported 2- aminopyridine palladium complex (Pd (II)-AMP- Cell@ Al ₂ O ₃) for Suzuki-Miyaura and Mizoroki–Heck cross- coupling	Reactive and Functional Polymers	152	104586	2020
40.	Altafhusen Naikwade, Megha Jagadale, Dolly Kale, Gajanan Rashinkar	Magnetic nanoparticle supported ionic liquid phase catalyst for oxidation of alcohols	Australian Journal of Chemistry	73	1088- 1097	2020
41.	Dolly Kale, Gajanan Rashinkar, Audumbar Patil, Arjun Kumbhar, Rajashri Salunkhe	Facile Access to 2- Substituted Benzoxazoles Using Sawdust Supported N-	Letters in Organic Chemistry	17	479-489	2020

		Heterocyclic Carbene-Ni Complex via CH Activation				
42.	Sandip P Vibhute, Pradeep M Mhaldar, Rajendra V Shejwal, Gajanan S Rashinkar, Dattaprasad M Pore	Palladium schiff base complex immobilized on magnetic nanoparticles: an efficient and recyclable catalyst for Mizoroki and Matsuda-Heck coupling	Tetrahedron Letters	61	151801	2020
43.	Altafhusen G Naikwade, Megha B Jagadale, Dolly P Kale, Anna D Gophane, Kalyanrao M Garadkar, Gajanan S Rashinkar	Photocatalytic degradation of methyl orange by magnetically retrievable supported ionic liquid phase photocatalyst	ACS omega	5	131-144	2020
44.	Shivanand Gajare, Megha Jagadale, Altafhusen Naikwade, Prakash Bansode, Pradnya Patil, Gajanan Rashinkar	An expeditious synthesis of 2,3-dihydroquinoxaline-4(1H)-ones using graphene-supported sulfonic acid	Journal of Heterocyclic Chemistry	57	89-102	2020
45.	Shivanand Gajare, Audumbar Patil, Dolly Kale, Prakash Bansode, Pradnya Patil, Gajanan Rashinkar	Graphene Oxide-Supported Ionic Liquid Phase Catalyzed Synthesis of 3,4-Dihydro-2H-naphtho[2,3-e][1,3]oxazine-5,10-diones	Catalysis Letters	150	243-255	2020
46.	D. Kale, G. Rashinkar, A. Patil, A. Kumbhar, R. Salunkhe*	Facile Access to 2-Substituted Benzoxazoles Using Sawdust Supported N-Heterocyclic Carbene-Ni Complex via C-H Activation	Letters in Organic Chemistry	(In Press)	--	2020
47.	A. Patil S. Gajare, G. Rashinkar, R. Salunkhe*	β -CD-SO ₃ H: Synthesis, Characterization and Its Application for the Synthesis of Benzylpyrazole Naphthoquinone and pyrazolo Pyranopyrimidine Derivatives in Water	Catalysis Letters	150	127-137	2020
48.	A. Patil, S. Shinde,	Synthesis of spiro-fused heterocycles under	Research on			

	G. Rashinkar , R. Salunkhe*	aerobic conditions by using polymer gel-entrapped catalyst	Chemical Intermediates	46	63-73	2020
49.	S. Gajare, M. Jagadale, A. Naikwade, P. Bansode, P. Patil, G. Rashinkar*	An expeditious synthesis of 2,3-dihydroquinoxaline-4(1H)-ones using graphene-supported sulfonic acid	Journal of Heterocyclic Chemistry	57	89-102	2019
50.	A. Naikwade, M. Jagadale, D. Kale, P. Bansode, G. Rashinkar*	Intramolecular O-arylation using nano-magnetite supported N-heterocyclic carbene-copper complex with wingtip ferrocene	Applied Organometallic Chemistry	33	5066	2019
51.	S. Gajare, A. Patil, D. Kale, P. Patil, G. Rashinkar*	Graphene Oxide-Supported Ionic Liquid Phase Catalyzed Synthesis of 3,4-Dihydro-2Hnaphtho[2,3-e][1,3]oxazine-5,10-dione	Catalysis Letters	150	243-255	2019
52.	S. Khanapure, M. Jagadale, D. Kale, S. Gajare, G. Rashinkar*	Cellulose-Supported Ionic Liquid Phase Catalyst-Mediated Mannich Reaction	Australian Journal of Chemistry	72	513-523	2019
53.						
54.	P. Bansode, P. Patil, P. Choudhari, I. Somasundaram, G. Rashinkar*	Anticancer activity and molecular docking studies of ferrocene tethered ionic liquids	Journal of Molecular Liquids	290	111182	2019
55.	P. Bansode, R. Anantacharya, M. Dhanavade, Satyanarayan, D. Nayak, G. Rashinkar*	Evaluation of drug candidature: In silico ADMET, binding interactions with CDK7 and normal cell line studies of potentially anti-breast cancer enamidines	Computational Biology and Chemistry	83	107124	2019
56.	A. Naikwade, M. Jagdale, S. Gajare, G. Rashinkar*	Magnetic nanoparticle decorated N-heterocyclic carbene-nickel complex with pendant ferrocenyl group for C-H arylation of benzoxazole	Catalysis Letters	148	3178–3192	2018
57.	S. Khanapure, M. Jagadale, P. Bansode, G. Rashinkar*	Anticancer activity of ruthenocenyl chalcones and their molecular docking studies	Journal of Molecular Structure	1173	, 142-147	2018

58.	M. Jagadale, D. Kale, R. Salunkhe, M. Rajmane, G. Rashinkar*	Compatibility of supported ionic liquid phase catalysts under ultrasonication	Journal of Molecular Liquids	265	525-535.	2018
59.	A. Naikwade, P. Bansode, G. Rashinkar*	Magnetically retrievable N-heterocyclic carbene-silver complex with wingtip ferrocenyl group for Sonogashira coupling	Journal of Organometallic Chemistry	866	112-122	2018
60.	M. Jagadale, R. Salunkhe, M. Rajmane, M. Dhanavade, K. Sonawane and G. Rashinkar*	Water-Mediated Synthesis of Anthelmintic Piperidinols and Their Molecular Docking Studies	ChemistrySelect	3	5581 - 5587	2018
61.	B. Sonawane, G. Rashinkar , K. Sonawane, M. Dhanavade, V. Dhanavade and S. Patil*	Aerosil-Supported Ionic-Liquid-Phase (ASILP) Mediated Synthesis of 2-Substituted Benzimidazole Derivatives as AChE Inhibitors	ChemistrySelect	3	5544 - 5551	2018
62.	M. Jagdale, A. Naikwade, R. Salunkhe, M. Rajmane, G. Rashinkar*	Ionic liquid gel: A heterogeneous catalyst for Erlenmeyer-Plochl and Henry reaction	New Journal of Chemistry	42	10993-11005	2018
63.	S. Karhale, M. Patil, G. Rashinkar , V. Helavi*	Green and cost effective protocol for the synthesis of 1,8-dioxo-octahydroxanthenes and 1,8-dioxo-decahydroacridines by using sawdust sulphonic acid	Research on Chemical Intermediates	43	7073–7086	2017
64.	D. Kale, G. Rashinkar, A. Kumbhar, R. Salunkhe*	Facile Suzuki-Miyaura cross coupling using ferrocene tethered N-heterocyclic carbene-Pd complex anchored on cellulose	Reactive and Functional Polymers	166	9-16	2017
65.	M. Jagadale, R. Salunkhe, A. Kumbhar, S. Gajare, M. Rajmane, G. Rashinkar*	Cellulose-supported N-heterocyclic carbene silver complex with pendant ferrocenyl group for diaryl ether synthesis	Applied Organometallic Chemistry	31	3576-3582	2017
66.	S. Jadhav, G. Rashinkar , R. Salunkhe, A.	Transition metal-free Suzuki type cross-coupling reaction for the	Tetrahedro	58	3201-	2017

	Kumbhar*	synthesis of dissymmetric ketones	n Letters		3204	
67.	S. Karhale, C. Bhenki, G.Rashinkar, V. Helavi*	Covalently anchored sulfamic acid on cellulose as heterogeneous solid acid catalyst for the synthesis of structurally symmetrical and unsymmetrical 1,4-dihydropyridine derivatives	New Journal of Chemistry	41	5133-5141	2017
68.	R. Kurane, P. Bansode, S. Khanapure, D. Kale, R. Salunkhe, G. Rashinkar*	Intermolecular C-O Coupling Using Hemicucurbituril Supported Ionic Liquid Phase catalyst	Catalysis Letters	42	7807-7821	2016
69.	S. Karhale, K. Patil, C. Bhenki, G. Rashinkar , V. Helavi*	Zirconocene catalyzed synthesis of 2-substituted benzimidazole derivatives	Research on Chemical Intermediates	42	7257-7268.	2016
70.	S. Khanapure, M. Jagadale, R.	Zirconocene dichloride catalyzed multi-	Research on Chemical	42	2075-2085	2016
71.	M. Jagadale, S. Khanapure, R. Salunkhe, M. Rajmane, G. Rashinkar*	Sustainable synthesis of sulfonamides using supported ionic liquid phase catalyst containing Keggin-type anion	Applied Organometallic Chemistry	30	125-131	2016
72.	M. Jagadale, P. Bhange, R. Salunkhe, D. Bhange, M. Rajmane, G. Rashinkar*	A modular approach for multicomponent synthesis of amidines using modified Scolecite	Applied Catalysis A: General	511	95-105	2016
73.	Rajanikant Kurane, Prakash Bansode, Sharanabasappa Khanapure, Rajashri Salunkhe, Gajanan Rashinkar	Selective oxidation of alcohols using ferrocene-labeled Merrifield resin-supported ionic liquid phase catalysts	Research on Chemical Intermediates	42	7807-7821	2016
74.	A. Kumbhar, S. Jadhav, R. Shejwal, G. Rashinkar , R. Salunkhe*	Application of novel multi-cationic ionic liquids in microwave assisted 2-amino-4Hchromene synthesis	RSC Advances	6	19612-19619	2016
75.	R. Kurane, S. Khanapure, D. Kale,	An expedient synthesis of oxazolones using a			44135-	

	R. Salunkhe and G. Rashinkar*	cellulose supported ionic liquid phase catalyst	RSC Advances	6	44144	2016
76.	P. Bansode, J. Jadhav, R. Kurane, P. Choudhari, M. Bhatia, S. Khanapure, R. Salunkhe, G. Rashinkar*	Potentially antibreast cancer enamidines–alkyne–amine coupling and their molecular docking studies	RSC Advances	6	90597-90606	2016
77.	Patil, M. Barge, G. Rashinkar , R. Salunkhe*	Aqueous hydrotrope: an efficient and reusable medium for a green one-pot, diversityoriented synthesis of quinazolinone derivatives	Molecular Diversity	19	435-445	2015
78.	S. Khanapure, G. Rashinkar , T. Chhowala, S. Anthal and Rajni Kant*	Crystal structure of N-[(2-hydroxynaphthalen-1-yl)(4methylphenyl)methyl] acetamide	Acta Crystallographica	E71	235	2015
79.	A. Patil, S. Kamble, G. Rashinkar , R. Salunkhe	Ultrasound promoted synthesis of 1, 2-disubstituted benzimidazoles using aqueous hydrotropic solution	Chemical Science Review and Letters	3	214-220	2014
80.	J. Jadhav, S. Khanapure, R. Kurane, R. Salunkhe, G. Rashinkar*	Facile access to 3-cyano-4-azaindoles via Modified Madelung synthesis	Tetrahedron Letters	54	6858–6863	2013
81.	J. Jadhav, S. Khanapure, R. Salunkhe, G. Rashinkar*	Cp2ZrCl2-catalyzed synthesis of 2-substituted quinoxalin-4(3H)-ones	Applied Organometallic Chemistry	27	486-488	2013
82.	M. Barge, S. Kamble, A. Kumbhar, G. Rashinkar , R. Salunkhe*	Hydrotrope: Green and rapid approach for the catalyst-free synthesis of pyrazole derivatives	Monatshefte für Chemie	144	1213-1218	2013
83.	R. Kurane, J. Jadhav, S. Khanapure, R. Salunkhe and G. Rashinkar*	Synergistic catalysis by an aerogel supported ionic liquid phase (ASILP) in the synthesis of 1,5-benzodiazepines	Green Chemistry	15	1849–1856	2013
84.	J. Jadhav, V. Gaikwad, R. Kurane, R. Salunkhe, G. Rashinkar*	Intramolecular O-arylation route to 2-substituted benzoxazoles mediated by ferrocene tethered polymer supported ionic	Tetrahedron	69	29202926	2013

		liquid phase catalyst				
85.	A. Kumbhar, S. Jadhav, S. Kamble, G. Rashinkar , R. Salunkhe*	Palladium supported hybrid cellulose–aluminum oxide composite for Suzuki–Miyaura cross coupling reaction	Tetrahedron Letters	54	1331–1337	2013
86.	S. Shinde, G. Rashinkar , R. Salunkhe*	DABCO entrapped in agar-agar: A heterogeneous gelly catalyst for multi component synthesis of 2-amino-4H-chromenes	Journal of Molecular Liquids	178	122-126	2013
87.	V. Gaikwad, R. Kurane, J. Jadhav, R. Salunkhe, G. Rashinkar *	A viable synthesis of Ferrocene tethered NHC-Pd Complex via supported ioninc liquid phase catalyst and its Suzuki-Coupling activity	Journal of Applied Catalysis A: General	451	243-250	2013
88.	J. Jadhav, A. Juvekar, R. Kurane, S. Khanapure, R. Salunkhe, G. Rashinkar *	Remarkable anti-breast cancer activity of ferrocene tagged multi-functionalized 1,4dihydropyrimidines	European Journal of Medicinal Chemistry	65	232-239.	2013
89.	J. Jadhav, V. Gaikwad, R. Kurane, R. Salunkhe, G. Rashinkar*	Pd-Catalyzed Cascade Reaction for the Synthesis of 2-Substituted Indoles	Synlett	23	2511-2515.	2012
90.	S. Kamble, G. Rashinkar , A. Kumbhar, M. Barge and R. Salunkhe*	Ultrasound promoted efficient and green synthesis of β -amino carbonyl compounds in aqueous hydrotropic medium	Ultrasonics Sonochemistry	19	812–815	2012
91.	R. Kurane, V. Gaikwad, J. Jadhav, R. Salunkhe, G. Rashinkar *	Ferrocene tagged functional polymer: A robust solid-phase reagent for O-demethylation	Tetrahedron Letters	53	6361–6366	2012
92.	A. Kumbhar, S. Kamble, M. Barge, G. Rashinkar , R. Salunkhe*	Brönsted Acid Hydrotrope Combined Catalyst for Environmentally Benign Synthesis of Quinoxalines and Pyrido[2,3-b]pyrazines in Aqueous Medium	Tetrahedron Letters	53	2756-2760	2012
93.	A. Kumbhar, S. Kamble, G. Rashinkar , R.	Silica Tethered Pd-DABCO Complex: An Efficient and Reusable	Catalysis	142	1388-	2012

	Salunkhe*	Catalyst for Suzuki–Miyaura Reaction	Letters		1396	
94.	S. Kamble, G. Rashinkar , A. Kumbhar, K. Mote and R. Salunkhe*	Hydrotrope Induced Catalysis in Water: A Clean and Green Approach for the Synthesis of Medicinally Relevant Bis(indolyl)methanes and 2-Aryl benzimidazoles	Synthetic Communications	42	756-766	2012
95.	S. Kamble, G. Rashinkar , A. Kumbhar, S. Pore and R. Salunkhe*	Hydrotrope Induced Efficient Synthesis of 1, 8-Dioxo-Octahydroxanthene in Aqueous Medium	Green Chemistry Letters and Reviews	5	101-107	2012
96.	G. Rashinkar , S. Kamble, A. Kumbhar and R. Salunkhe*	An expeditious synthesis of homoallylic alcohols using bronsted acidic supported ionic liquid phase catalyst with pendant ferrocenyl group	Catalysis Communication	12	1442-1447	2011
97.	S. Shinde, G. Rashinkar , A. Kumbhar, S. Kamble and R. Salunkhe*	Facial Knoevenagel and domino Knoevenagel/Michael reaction using Gel Entrapped Base Catalysis	Helvetica Chimica Acta	94	1943-1957	2011
98.	G. Rashinkar , R. Salunkhe*	Ferrocene labelled supported ionic liquid phase (SILP) containing organocatalytic anion for multi-component synthesis	, Journal of Molecular Catalysis A: Chemical	316	146-152	2010
99.	G. Rashinkar , S. Kamble, A. Kumbhar, R. Salunkhe*	Facile synthesis of ferrocenylamines in aqueous hydrotropic solution using microwaves	Transition Metal Chemistry	35	185-190	2010
100.	K. Mote, S. Pore, G. Rashinkar, S. Kambale, A. Kumbhar, R. Salunkhe*	Acacia concinna pods: as a green catalyst for highly efficient synthesis of acylation of amines	Archives of Applied Science Research	2	74-80	2010
101.	S. Kamble, G. Rashinkar , A. Kumbhar, K. Mote, R. Salunkhe*	Green chemistry approach for synthesis of 5-arylidine barbituric acid derivatives by hydrotrope induced Knoevenagel condensation in	Archives of Applied Science Research	2	217-222	2010

		aqueous medium				
102.	G. Rashinkar, S. Pore, R. Salunkhe*	Amine exchange reactions in ionic liquid	Phosphorus, Sulfur, and Silicon	184	1750-1758.	2009
103.	G. Rashinkar, S. Pore, K. Mote, R. Salunkhe*	An efficient synthesis of novel 2-amino-4-aryl-6-ferrocenyl pyrimidines	Indian Journal of Chemistry : Section B	--	606-610	2009

10. Honors and rewards:

1. **“Young Scientist Award”** at National Conference on Recent Advances in Chemical Sciences held at Dungar College, Bikaner (2008).
2. **“Shiv Adarsh Puraskar”** by Shivaji University Aaji-Maji Vidyarthi Sanghatana (2014).
3. **“Bharat Vikas Award”** by ISR, Bhubaneshwar (2016).
4. **“Best poster presentation Award”** at international conference on Green Chemistry: Catalysis, Energy and Environment held at Department of Chemistry, Goa University
5. **“Best Poster presentation award”** at National Conference on Recent Trends in Chemistry held at YCIS, Satara (2010).

11. Conferences Attended:

Name of Author/s	Year	Title of Paper	Name of symposia / conference	Sponsoring agency
G. S. Rashinkar, B. A. Shelar, M. A. Shelar, P. Gaikwad, N. P. Hilage, A. R. Shelar	23-25 Jan. 2003	Alkaline hydrolysis of a new cephalosporin derivative: A HPLC and proton NMR study	International Symposium on Drug Delivery and Process Research	Shivaji University, Kolhapur
G. S. Rashinkar	5,6 Sep. 2003	Attended	Training Workshop in Chemistry for College Teachers	Shivaji University, Kolhapur
G. S. Rashinkar	23-25 Jan. 2006	Attended	National Seminar on Advanced Technologies (NASMAT-2006)	Shivaji University, Kolhapur
G. S. Rashinkar	11, 12 March,	Attended	Workshop on Atomic Structure and Chemical	Shivaji University, Kolhapur

	2006		Bonding	
G. S. Rashinkar	22 nd Sept. 2006	Attended	A work shop on “ Green Chemistry”	M. S. University, Baroda, India
G. S. Rashinkar, R.S. Salunkhe	6,7 Sept. 2006	Synthesis of Fullerene based β - aminopropi ohenone	Campaign on University Research And training Court- 2006	Shivaji University, Kolhapur.
G. S. Rashinkar, B.V. Tamhankar, A. S. Sawant, R. S. Salunkhe	3-5 Oct. 2008	Amine exchange reactions ionic liquid	Recent Advances in Chemical Sciences	Govt. Dungar College, Bikaner.
G. S. Rashinkar, S. B. Pore, K. B. Mote, R. S. Salunkhe	1 – 2 Feb. 2008	Amine exchange reaction liquid	National seminar on “ Synthesis of new materials for industrial applications	Dept. of Chem. Shivaji University, Kolhapur.
G. S. Rashinkar, S. B. Pore, K. B. Mote, R. S. Salunkhe	9-11 Dec. 2008	An efficient synthesis of novel 2-amino-4- aryl-6-ferrocenyl pyrimidines	International Conference on Nanomaterials and Applications-2008	Dept. of Chem. Shivaji University, Kolhapur.
G.S. Rashinkar, S. B. Pore, K. B. Mote, A. S. Kumbhar, S. B. Kamble, S. R. Shinde, R. S. Salunkhe	23 - 24 Dec. 2009	Ferrocene labeled supported ionic liquid phase (SILP) catalyst for multi-component synthesis	National Seminar on Advanced Synthetic Methodologies and Functional Materials	Dept. of Chem. Shivaji University, Kolhapur.
G. S. Rashinkar	11, 12 March, 2006	Attended	Workshop on Atomic Structure and Chemical Bonding	Shivaji University, Kolhapur
G. S. Rashinkar	22 nd Sept. 2006	Attended	A work shop on “ Green Chemistry”	M. S. Universi ty, Baroda, India
G. S. Rashinkar, R.S. Salunkhe	6,7 Sept. 2006	Synthesis of Fullerene based β - aminopropiohenone	Campaign on University Research And training Court- 2006	Shivaji University, Kolhapur.
G. S. Rashinkar, B.V. Tamhankar, A. S. Sawant, R. S. Salunkhe	3-5 Oct. 2008	Amine exchange reactions ionic liquid	Recent Advances in Chemical Sciences	Govt. Dungar College, Bikaner.

G. S. Rashinkar, S. B. Pore, K. B. Mote, R. S. Salunkhe	1 – 2 Feb. 2008	Amine exchange reaction liquid	National seminar on “ Synthesis of new materials for industrial applications	Dept. of Chem. Shivaji University, Kolhapur.
G. S. Rashinkar, S. B. Pore, K. B. Mote, R. S. Salunkhe	9-11 Dec. 2008	An efficient synthesis of novel 2-amino-4- aryl-6-ferrocenyl pyrimidines	International Conference on Nanomaterials and Applications-2008	Dept. of Chem. Shivaji University, Kolhapur.
G.S. Rashinkar, S. B. Pore, K. B. Mote, A. S. Kumbhar, S. B. Kamble, S. R. Shinde, R. S. Salunkhe	23 - 24 Dec. 2009	Ferrocene labeled supported ionic liquid phase (SILP) catalyst for multi-component synthesis	National Seminar on Advanced Synthetic Methodologies and Functional Materials	Dept. of Chem. Shivaji University, Kolhapur.
G. S. Rashinkar, S.B. Kamble, A. S. Kumbhar, R. S. Salunkhe	17-18 Aug. 2010	Characterization of Immobilized ionic liquid like units in supported ionic liquid phase (SILP) catalysts by Raman spectroscopy	National Seminar on Advances in Coordination Chemistry	Rajashri Chatrapati Shahu College, Kolhapur
G. S. Rashinkar, S. B. Kamble, A. S. Kumbhar, R. S. Salunkhe	14-15 Oct. 2010	Ferrocene tethered Bronsted supported ionic liquid phase catalyst for synthesis of homoallylic alcohols	National Conference on Recent Trends in Chemistry	YCIS, Satara
G. S. Rashinkar, S. B. Kamble, A. S. Kumbhar, R. S. Salunkhe	9-10 January ,2012	New Task Specific Supported Ionic Liquid Phase Catalyst For O- Demethylation	National conference on Sustainable Chemistry: Challenges and Opportunities	Dr. Babasaheb Ambedkar Marathwada University, Sub-campus Osmanabad,
Shital Shinde, Prabha Salokhe, Madhuri Barge, Gajanan Rashinkar &	21-22 Jan. 2012	A heterogeneous gel catalyst for multi- component synthesis of 2-amino- 4-H chromenes	National seminar on recent advances in synthetic chemistry and nanomaterials	Shivaji University, Kolhapur

R.S.Salunkhe				
Gajanan Rashinkar & RS.Salunkhe	29-31 Oct. 2012	A viable synthesis of ferrocene tethered NHC-Pd complex via supported ionic liquid phase catalyst and its Suzuki coupling activity	International Indo German Symposium on Green Chemistry and Catalysis for Sustainable Development	ICT, Mumbai
Gajanan Rashinkar, Jagannath Jadhav, Rajashri Salunkhe	17-18 Jan. 2014	New Task Specific Supported Ionic Liquid Phase Catalyst for Synthesis of Bioactive Heterocycles	Current Trends in Chemical Sciences and Nano Sciences	Shivaji University, Kolhapur
Megha Jagadale, Rajashri Salunkhe, Gajanan Rashinkar	22-23 April, 2015	Synthesis of bioactive molecules using modified zeolite	International Conference on Contemporary Research in Chemical and Life Sciences	S.G.M. Karad
Megha Jagadale, Rajashri Salunkhe, Gajanan Rashinkar	10 March, 2015	Green methodology for synthesis of azalactones using gel entrapped ionic liquid	International Conference on Emerging Trends in Basic and Applied Sciences	Karmaveer Hire Arts, Science, Commerce and Education College, Gargoti
Jagannath Jadhav, Gajanan Rashinkar, Rajashri Salunkhe	22-24 Jan. 2015	Pd Catalyzed cascade reaction for the synthesis of 2-substituted indoles	International Conference on Green Chemistry: Catalysis, Energy and Environment	Goa University
Jagannath Jadhav, Gajanan Rashinkar, Rajashri Salunkhe	30 June, 2014	Remarkable anticancer activity of ferrocene tagged multi-functionalized 1,4-dihydropyrimidines	National Conference "Frontiers in Chemical Sciences"	Solapur University,
Sharanbasappa Khanapure, Gajanan Rashinkar, Rajashri Salunkhe	16-17 Jan. 2015	An Efficient Synthesis of 1-amidoalkyl-2-naphthols mediated by Zirconocene	National Conference on Frontiers in Chemical & Material Sciences	Shivaji University, Kolhapur

		dichloride		
Megha Jagadale, Rajashri Salunkhe, Gajanan Rashinkar	25- 26 Sept., 2015	Synthesis of bioactive molecules using modified zeolite	Triggering Drug Discovery and Process Research	Bharati Vidyapeeth College of Pharmacy, Kolhapur