

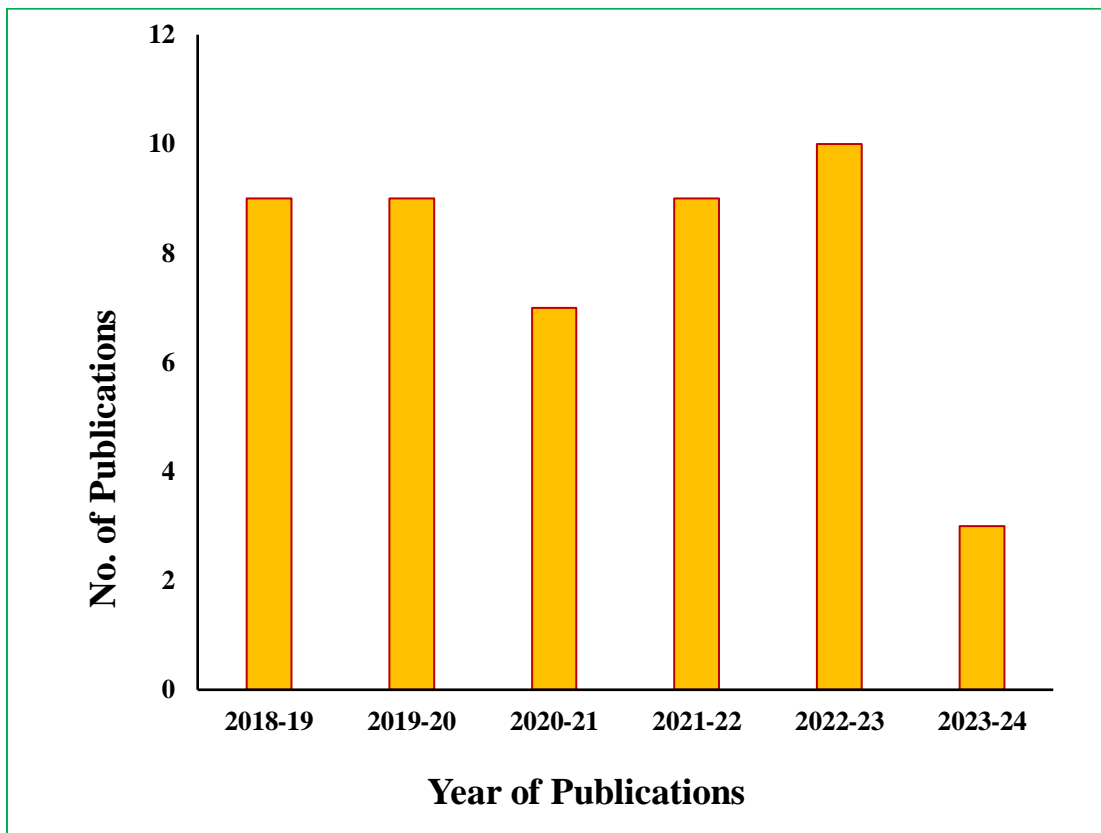
Shri Shivaji Mahavidyalaya, Barshi
Department of Chemistry
Google Scholar Citations

Sr. No.	Name of Faculty	Citations	h-index	i10-index
1	Prin. A.B. Shaikh	234	8	8
2	Prof. S.H. Gaikwad	424	12	15
3	Prof. D.K. Jamale	182	8	8
4	Dr. V.M. Gurame	157	6	4
5	Dr. U.B. Barache	317	10	12
6	Dr. P.R. Kate	26	1	1
7	Dr. B.D. Sonawane	19	2	1
8	Dr. R.J. Gavhane	32	2	1

Number of Research Papers Published in the Journals

(Last Five Years): **47**

- **Highest Impact Factor: 8.1**
- **Highest Cite-score: 15.8**
- **Publications in National Journals: 02**
- **Publications in International Journals: 45**



A. Research Projects

Sr. No.	Title of Project	Principal Investigator/ Co PI	Agency	Sanctioned Grant	Status
1	Extractive spectrophotometric determination of some selected transition metals by sulphur containing ligands	Prin. A.B. Shaikh	UGC, New Delhi	70,000	Completed
2	Photo-Catalytic Degradation of some dyes by nanoparticles, Kinetics and mechanistic study	Mr. S. G. Jadhav	UGC, New Delhi	2,45,000	Completed
3	Applications of Thiocarbohydrazone for extraction and spectrophotometric determination of some transition metals	Prof. T. N. Lokhande	UGC, New Delhi	2,45,000	Completed

B. Research Publications

Sr. No.	Title of Publication	Author	Name of Journal	Year	Impact Factor
1.	Aerosil-Supported Ionic-Liquid- Phase (ASILP) Mediated Synthesis of 2-Substituted Benzimidazole Derivatives as AChE Inhibitors	Dr.Babasaheb Sonawane	Chemistry Select	2018-19	1.9
2.	Unexpected formation of 4, 5-dihydro-1H-pyrazolo [3, 4-b] pyridine derivatives as a potent antitubercular agent and its	Dr.Jamale Dattatraya Kashinath	Synthetic Communications	2018-19	1.8
3.	Glycerol Mediated Synthesis, Biological Evaluation, and Molecular Docking Study of 4-(1H-pyrazol -4-yl)- polyhydro quinolines as Potent Antitubercular Agents	Dr.Jamale Dattatraya Kashinath	Journal Heterocyclic Chemistry	2018-19	2.0

4.	Synthesis of Schiff Base As Dna Gyrase B Inhibitor, Antibacterial, Anti-Inflammatory And Antioxidant Agents	Dr. Kate Pradeep Rajaram	Rasayan J. Chem	2018-19	0.81
5.	Density and Speed-of-Sound Measurements for Dilute	Dr. Rajshree J. Gavhane	J. Chem. Eng. Data.	2018-19	2.6
6.	Kinetics and Mechanism of Oxidation of Thiosemicarbazide by Waugh-type 9- molybdomanganate(IV) in Aqueous Perchloric Acid	Dr. V. M. Gurame	Journal of Applicable Chemistry	2018-19	
7.	Ion-Pair Based Solvent Extraction of Rhodium (III) from Malonate Medium Using 4 heptylamino pyridine as an Extractant: Application to Alloys and Environmentally Relevant Matrices.	Dr .Gaikwad Shashikant Harishchadra	Analytical Chemistry Letters	2018-19	1.0
8.	An efficient, cost effective, sensing behaviour liquid-liquid extraction and spectrophotometric determination of copper(II) incorporated with 4-(4'-chlorobenzylideneimino)-3-methyl-5-mercapto-1, 2, 4-triazole: Analysis of food samples, leafy vegetables, fertilizers and environmental samples.	Dr .Gaikwad Shashikant Harishchadra	Spectrochimica Acta Part A: Molecular and Biomolecular Spectroscopy	2018-19	4.3
9.	Room Temperature Ionic Liquids from Purine and Pyrimidine Nucleobases	Dr. Rajshree J. Gavhane	Chemistry Select	2019-20	2.1
10	Design, Synthesis , Characterization, And Biological Evaluation Of Certain Novel Imidazo Thiazole	Dr.Babasaheb Sonawane	International Journal of Innovative Knoweldge Concepts	2019-20	0.1

	Pyrazoline Derivatives As Anti-Inflammatory Agent				
11	PEG mediated synthesis, characterization and cytotoxicity evaluation of novel imidazole[1,2-a]pyridines chalcones	Dr.Babasaheb Sonawane	International Journal of Research And Analytical Reviews	2019-20	0.4
12	Cp2ZrCl2 :An efficient catalyst for multicomponent synthesis of carotenoid dehydrosqualene synthase inhibiting pyrano[2,3-d]pyrimidinediones	Dr.Babasaheb Sonawane	Asian J Pharm Clin Res	2019-20	0.3
13	Synthesis, characterization and biological evaluation of novel imidazo thiazole chalcones as antioxidant agent	Dr.Babasaheb Sonawane	International Journal of Pharmaceutical Sciences and Research	2019-20	0.1
14	Sensitive and selective liquid-liquid extractive spectrophotometric determination of Bismuth(III) from water, pharmaceuticals and synthetic mixtures	Dr .Gaikwad Shashikant Harishchadra	Groundwater for Sustainable Development	2019-20	5.71
15	A new experimental approach for liquid-liquid extractive spectrophotometric determination of chromium(VI) in tannery wastewater and alloy samples.	Dr .Gaikwad Shashikant Harishchadra	International Journal of Environmental Analytical Chemistry	2019-20	2.6
16	Selective and sensitive liquid-liquid extraction and spectrophotometric determination of tellurium(IV) using sulfur containing reagent.	Dr .Gaikwad Shashikant Harishchadra	Chemical Data Collections Elsevier	2019-20	2.6
17	Synthesis And Biological Evaluation Of Novel Thiazole-Pyrazole Integrated Chalcones As Antioxidant And Anti-Inflammatory Agents	Dr. Kate Pradeep Rajaram	Asian J Pharm Clin Res	2019-20	0.25

18	Stereoselective synthesis of (4E,6Z)-hexadecadien-1-ol, (4E,6Z)-hexadeca dienyl acetate & (4E, 6Z)-Hexadecadienal, the pheromone components of the persimmon fruit moth	Dr. Jamale Dattatraya Kashinath	Chemical Science Review and Letters	2020-21	4.7
19	A total and convergent synthesis of (7Z,11Z,13E)-7,11,13 -Hexadeca trienal, the major sex pheromone component of the citrus leafminer, Phyllocnistis citrella	Dr. Jamale Dattatraya Kashinath	Chemical Data Collections Elsevier	2020-21	2.6
20	Synthesis and biological evaluation of some triazole integrated Schiff Base as antioxidant and anti-inflammatory agents	Dr. Kate Pradeep Rajaram	Journal of Emerging Technologies and Innovative Research	2020-21	0.54
21	Kinetics and mechanism of oxidation of glutathione by Waugh type enneamolybdomanganate (IV)	Dr. V. M. Gurame	Macromolecular Symposia	2020-21	1.5
22	Highly reproducible, simple and selective analytical method for extractive UV-visible spectrophotometric determination of ruthenium(III): Analysis of catalyst, fissium alloy and sequential separation.	Dr .Gaikwad Shashikant Harishchadra	Spectrochimica Acta Part A: Molecular and Biomolecular Spectroscopy	2020-21	4.3
23	Experimentally validated extractive spectrophotometric determination method of osmium(VIII) from environmental samples: sequential separation of osmium(VIII), rhodium(III) and ruthenium(III)	Dr .Gaikwad Shashikant Harishchadra	International Journal of Environmental Analytical Chemistry	2020-21	2.65
24	A New Experimental Design for Liquid-Liquid Extractive Spectrophotometric Determination of Gold(III) Using 4-(4'-	Dr .Gaikwad Shashikant Harishchadra	Analytical Chemistry Letters	2020-21	2.3

	Fluorobenzylideneimino)-3-methyl-5-mercapto-1,2,4-triazole.				
25	Cobalt selenide thin film: photovoltaic and impedance	Dr .Gaikwad Shashikant Harishchadra	J. of Mat. Sci.: Materials	2021-22	2.7
26	Design and optimization of sensitive analytical spectrophotometric method for micro determination of copper(II) from e-waste by using of novel chromogenic extractant	Dr .Gaikwad Shashikant Harishchadra	Spectrochimica Acta Part A: Molecular and Biomolecular Spectroscopy	2021-22	4.3
27	Organochlorine pesticides in the drinking water of Merida its metropolitan zone, a Karst region	Dr. Umesh Balasaheb Barache	Urban Water Journal	2021-22	4.4
28	Statistically designed extractive spectrophotometric determination scheme for bismuth(III) with 2-chlorobenzaldehyde thiocarbohydrazone: Analysis of environmental and real resources	Dr .Gaikwad Shashikant Harishchadra	Chemical Data Collections	2021-22	3.04
29	2-chlorobenzaldehyde thiocarbohydrazone: a novel reagent for liquid-liquid extractive spectrophotometric determination of copper(II) from environmental and real samples	Dr .Gaikwad Shashikant Harishchadra	International Journal of Environmental Analytical Chemistry	2021-22	2.6
30	Newly synthesized triazole-based Schiff base ligands and their Co (II) complexes as antimicrobial and anticancer agents: Chemical synthesis, structure and biological investigations.	Dr .Gaikwad Shashikant Harishchadra	Results in Chemistry	2021-22	2.3

31	Design and optimization of sensitive analytical spectrophotometric method for micro determination of copper(II) from e-waste by using of novel chromogenic extractant	Dr .Gaikwad Shashikant Harishchadra	Spectrochimica Acta Part A: Molecular and Biomolecular Spectroscopy	2021-22	4.3
32	Thermodynamic study of interaction effects in aqueous solutions of purine and pyrimidine nucleobases ionic liquids at 298.15 K	Dr Rajshree Gavhane	Journal of Molecular Liquids	2021-22	6.1
33	Stereospecific Synthesis of (4E, 10Z)-4, 10-Tetradeca dienyl Acetate, the Major Sex Pheromone of Apple Leaf Miner Moth, Phyllonorycter	Dr. Jamale Dattatraya Kashinath	Letters in Organic Chemistry	2021-22	0.7
34	Total Stereospecific Synthesis of (3E, 7Z)-Tetradecadienyl Acetate, the Major Sex Pheromone Component of the Potato Pest Symmetrischema tangolias	Dr. Jamale Dattatraya Kashinath	Chemistry of Natural Compounds	2021-22	0.8
35	Analytical optimization of liquid–liquid extractive spectrophotometric assessment protocol for tetravalent platinum: Analysis of environmental samples and cisplatin	Dr .Gaikwad Shashikant Harishchadra	Spectrochimica Acta Part A: Molecular and Biomolecular Spectroscopy	2022-23	4.3
36	Preparation, Characterization and In Vitro Biological Activities of New Diphenylsulphone Derived Schiff Base Ligands and Their Co(II) Complexes	Dr .Gaikwad Shashikant Harishchadra	Molecules MDPI	2022-23	4.2
37	Development of new efficient and cost-effective liquid-liquid extractive determination method for cobalt (II): Analysis of water, alloys and nano powder.	Dr .Gaikwad Shashikant Harishchadra	Journal of Trace Ele. and Min.	2022-23	3.6

38	In Vitro Anticancer Screening, Molecular Docking and Antimicrobial Studies of Triazole-Based Nickel(II) Metal Complexes.	Dr .Gaikwad Shashikant Harishchadra	Molecules	2022-23	4.41
39	Extraction of Th(IV) and U(VI) with 4-methyl-N-n-octylaniline as an extracting agent.	Dr .Gaikwad Shashikant Harishchadra	Journal of Radioanal and Nucl. Chem.	2022-23	1.75
40	A Green Chemosensing Approach for Direct and Liquid- liquid Extractive Spectrophotometric Determination of Platinum.	Dr .Gaikwad Shashikant Harishchadra	Journal of Analytical Chemistry	2022-23	1.0
41	L-Proline catalyzed one-pot three-component synthesis And evaluation for biological activities of tetrahydrobenzo[b]pyran: evaluation by green chemistry metrics	Dr. Kate Pradeep Rajaram	Journal of Chem. Sci.	2022-23	1.7
42	Chemical synthesis, spectral characterization and biological activities of new diphenylsulphone derived Schiff base ligand and their Ni (II)	Dr .Gaikwad Shashikant Harishchadra	Results in Chemistry	2022-23	2.3
43	New triazole-based Schiff base ligands and their Co (II) and Ni (II) complexes as biological potent molecules: Chemical preparation, structural elucidation and biological studies.	Dr .Gaikwad Shashikant Harishchadra	Results in Chemistry	2022-23	2.3
44	Synthesis, Physicochemical Characterization and Biological Evaluation of Schiff Bases and their Ni (II) Complexes.	Dr .Gaikwad Shashikant Harishchadra	Eur. Chem. Bull	2022-23	3.71

45	Potential Arsenic-Chromium-Lead contamination in the hilly tracts of Arunachal Pradesh, North-Eastern India Genesis and Health Perspective	Dr. Umesh Balasaheb Barache	Chemosphere	2022-23	8.91
46	Application of 2-chlorobenzaldehyde thiocarbohydrazone as a chromogenic ligand for cadmium (II) detection and removal from water and food.	Dr .Gaikwad Shashikant Harishchadra	Journal of Trace Ele. and Min.	2023-24	3.6
47	Novel terephthalaldehyde bis(thiosemicarbazone) Schiff base ligand and its transition metal complexes as antibacterial Agents: Synthesis, characterization and biological investigations.	Dr .Gaikwad Shashikant Harishchadra	Results in Chemistry	2023-24	2.3