

FACULTY PROFILE

1. Personal Information:

Name of Faculty : Dr. Kishor Sambhaji Jagadhane

Designation : Assistant Professor

Department : Department of Chemistry

Date of Appointment : 22/05/2023

Area of Specialization : (Organic Chemistry) Organic Synthesis, Aggregation induced emission, Mechanochromism, Anti-Diabetic, Anti-Cancer, OLEDs, Ion Sensing, Organic Electronic devices.

Courses taught : B. Sc., M. Sc.

Total teaching experience : 10 Years 8 Months

Address for Correspondence: Department of Chemistry, Yashwantrao Chavan College of Science, Karad

Date of Birth : 01/06/1988

Marital Status : Married

E-Mail : ksjagadhane@gmail.com

Language Proficiency : Marathi, English, Hindi

Research Profile Links : Scopus, ORCID, and Google Scholar Links

Scopus ID : <https://www.scopus.com/authid/detail.uri?authorId=57272400500>

ORCID : <https://orcid.org/0000-0003-3444-8586>

Google Scholar: <https://scholar.google.com/citations?user=UeAGdREAAAJ&hl=en&oi=ao>

ResearchGate : <https://www.researchgate.net/profile/Kishor-Jagadhane-2>

Vidvan ID : <https://vidwan.inflibnet.ac.in/profile/400470>



2. Academic Qualification: M. Sc., Ph.D., NET

Course	Board/University	Year of Passing	Percentage	Division	Subjects
Ph. D.	Shivaji University, Kolhapur	2023	-	-	Organic Chemistry
NET	CSIR-HRDG	2013	-	-	Chemical Science
M. Sc.	Punyashlok Ahilyadevi Holkar Solapur University, Solapur	2011	65%	-	Organic Chemistry
B. Sc.	Punyashlok Ahilyadevi Holkar Solapur University, Solapur	2009	60%	-	Chemistry

3. Research Qualification:

Course	University	Year	Topic of Research
Ph. D.	Shivaji University, Kolhapur	2023	Synthesis and Analytical Applications of Aggregation-Induced Emission Macromolecules.

4. Teaching and Research Experience:

- **22 May 2023** : Assistant Professor of Chemistry – Yashwantrao Chavan College of Science, Karad
- **2021- 2023** : Assistant Professor in Chemistry at Shivaji University, Kolhapur
- **2011- 2018** : Assistant Professor in Chemistry at Senior Colleges

5. Research Papers Published – International/National Journal:

Publications in the UGC-CARE List	No. of Patents	Publications in conference proceedings	Citations	h-index	i-10 index
16	03	03	144	07	05

6. Details of Research Papers Published:

Sr. No	Title of the Paper	Name of Authors	Journal Name	Impact Factor	Year	ISSN No.	Link to the recognition in the UGC enlistment of the Journal
1	A triphenylamine-based organic memristive device: a promising candidate for memory and synaptic emulation applications	Kishor S. Jagadhane, Neha B. Tadavalekar, Amitkumar R. Patil, Govind B. Kolekar, Rajanish K. Kamat, Tukaram D. Dongale, and Prashant V. Anbhule*	New Journal of Chemistry	3.3	2025	1369 - 9261	https://doi.org/10.1039/D5N J01623A
2	Anticancer and Apoptotic Effects of Hymenodictyon floribundum (Hochst. & Steud.) B.L.Rob. Stem Bark Hydroethanolic Extract	Alfredi A. Moyo, Kishor S. Jagadhane, Sneha R. Bhosale, Sachin B. Shinde, Alphonse I. Marealle, Vinod B. Shimpale & Prashant V. Anbhule*	Chemistry Africa	2.3	2024	2522 - 5766	https://doi.org/10.1007/s422 50-023-00810-4
3	A Reversible Mechanochromic AIEgen Based on Triphenylamine for the Selective Detection of Vitamin B2 (Riboflavin) in Aqueous Media and Histotoxicity	Kishor S Jagadhane, Nagesh B Birajdar, Govind B Kolekar, Prashant V Anbhule*	Chemical Research in Toxicology	4.1	2024	1520 5010, 0893 228X	https://pubs.acs.org/doi/10.1021/acs.chemrestox.3c0029 0?goto=supporting-info
4	Evaluation of antimicrobial, cytotoxicity effects and antioxidant potential of Stemodia verticillata (Mill.) Hassl extract	Alfredi A. Moyo, Sneha R. Bhosale, Kishor S. Jagadhane, Sachin B. Shinde, Vinod B. Shimpale, Prashant V. Anbhule	Journal of Applied Pharmaceutical Science	2.3	2023	2231 - 3354	https://dx.doi.org/10.7324/J APS.2023.143858

5	Histotoxicity of AIEgen Based on Triphenylamine for the Simultaneous and Discriminatory Sensing of Hg ²⁺ and Ag ⁺ Directly in Aqueous Media for Environmental Applications.	Kishor S. Jagadhane, Nagesh B. Birajdar, Govind B. Kolekar, Prashant V. Anbhule*	Chemical Research in Toxicology (ACS Publication)	4.1	2023	1520 5010, 0893 228X	https://doi.org/10.1021/acs.cchemrestox.3c00173
6	Phytochemical Profiling, Antimicrobial, Antiproliferative and Apoptotic Effects of Stemodia viscosa Roxb. of Western Ghats Region, India,	Alfredi A Moyo, Kishor S. Jagadhane, Sneha R Bhosale, Devashree N Patil, Vinod B Shimpale, Prashant V Anbhule*,	Chemistry & Biodiversity (Wiley Publication)	2.9	2023	1612 - 1872	https://doi.org/10.1002/cbdv.202300332
7	Aggregation-Induced Emission, Mechanochromism, and Applications of Tetraphenylethene/Triphenylamine -based Molecules	Kishor. S. Jagadhane, Govind. B. Kolekar, Prasad. M. Swami, Prashant. V. Anbhule	Journal of Shivaji University Science and Technology	NA	2023	-	https://scholar.google.com/citations?view_op=view_citation&hl=en&user=UeAGdREAAAJ&sortby=pubdate&citation_for_view=UeAGdREAAAJ:Zph67rFs4hoC
8	Multifunctional Fluorescent Tetraphenylethene-Based Reversible Mechanochromic for Highly Selective Detection of MnO ₄ ⁻ in aqueous media and Green Organic Light Emitting Diode applications.	Kishor S. Jagadhane, Ray J. Butcherer, Tukaram D. Dongale, Kiran A. Nirmal, Govind B. Kolekar, Mohaseen S. Tamboli, Tae Geun Kim, Sunita Salunke-Gawali, Prashant V. Anbhule*.	Crystal Growth & Design (ACS Publication)	4.1	2023	1528 - 7483	https://doi.org/10.1021/acs.cgd.3c00002
9	Tetraphenylethene Carbothioamide-based Organic Stimuli-Responsive Mechanochromic Memristive Devices with Non-Volatile Memory and Synaptic Learning Functionalities.	Kishor S. Jagadhane, Tukaram D. Dongale, Ankita S. Nikam, Neha B. Tadavalekar, Rajanish K. Kamat, Govind B. Kolekar, Prashant V. Anbhule*	ChemistrySelect. (Wiley Publication)	2.307	2023	2365 6549	https://doi.org/doi.org/10.1002/slct.202300026
10	Recent Trends in Synthetic Top-down Approach for Mesoporous Carbon : A Seminal Review.	Bhosale, S. R.; Bhosale, R. R.; Kishor S. Jagadhane; Gore, A. H.; Kolekar, G. B.; Kolekar, S. S.; Anbhule*, P. V.	Journal of Materials Nanoscience (Science In Publishing Publication)	NA	2023	2394 - 0867	https://pubs.thesciencein.org/journal/index.php/jmns/article/view/a601

11	Mesoporous carbon encapsulated zinc oxide nanorods derived from plant species 'Argyrea sharadchandrajii' for live cell imaging of drug delivery and multimodal bioactivities,	Sneha R Bhosale, Kishor S. Jagadhane, Rakhee R Bhosale, Sharadrao A Vanalakar, Mohammad H Qureshi, Devashree N Patil, Rushikesh P Dhavale, Vinod B Shimpale, Govind B Kolekar, Prashant V Anbhule*,	New Journal of Chemistry (Royal Society of Chemistry publisher)	3.925	2023	1144 - 0546	https://doi.org/10.1016/j.cplett.2022.140122 .
12	Formation of CuO nanostructures via chemical route for biomedical applications,	S.R. Bhosale, S.A. Ghatage, P.N. Wahane, R.R. Bhosale, Kishor S. Jagadhane, D.N. Patil, P. V. Anbhule*,	Chem. Phys. Lett. (Elsevier Publication)	2.582	2.22	0009 - 2614	https://doi.org/10.1016/j.cplett.2022.140122 .
13	A Tetraphenylethene-Based Aggregation-Induced Emission Luminogen (AIEgen) With Mechanochromic Phenomena for Highly Selective Naked-Eye Detection of MnO ₄ ⁻ Directly in Aqueous Media,	Kishor S. Jagadhane, S.R. Bhosale, A.A. Moyo, G.B. Kolekar, K.K. Sharma, H.M. Yadav, P. V. Anbhule*,	ChemistrySelect. (Wiley Publication)	2.307	2022	2365 - 6549	https://doi.org/10.1002/SLCT.202203185 .
14	Tetraphenylethene-Based Fluorescent Chemosensor with Mechanochromic and Aggregation-Induced Emission (AIE) Properties for the Selective and Sensitive Detection of Hg ²⁺ and Ag ⁺ Ions in Aqueous Media: Application to Environmental Analysis,.	Kishor S. Jagadhane, S.R. Bhosale, D.B. Gunjal, O.S. Nille, G.B. Kolekar, S.S. Kolekar, T.D. Dongale, P. V. Anbhule*,	ACS Omega. (ACS Publication)	4.132	2022	2470 - 1343	https://doi.org/10.1021/ACS.OMEGA.2C03437
15	Novel TPE Based Luminogen Possessing Aggregation-induced Emission with Mechanochromic Phenomenon for Detection of Hg ²⁺ and Mn ²⁺ in Aqueous Media	Kishor Sambhaji Jagadhane, G. B. Kolekar, Prashant Vikramrao Anbhule	The Polymer Society Of Korea	NA	2022	2508 - 4704	https://scholar.google.com/citations?view_op=view_citation&hl=en&user=UeAGdREAAAJ&sortby=pubdate&citation_for_view=UeAGdREAAAJ:u-x6o8ySG0sC .

16	Stereospecific Synthesis of (4E,10Z)-4,10-Tetradecadienyl Acetate, the Major Sex Pheromone of Apple Leaf Miner Moth, <i>Phyllonorycter ringoniella</i> ,	R. Awalekar, Kishor S. Jagadhane, S. Usmani, S. Salunkhe, D. Jamale, S. Hangirgekar, G. Kolekar, P. Anbhule*,	Lett. Org. Chem. (Bentham Science Publication)	0.9	2021	1570 - 1786	https://doi.org/10.2174/1570178617999200922145900 .
----	--	---	--	-----	------	-------------	---

7. Research Paper Published – Conference Proceedings:

Sr. No.	Name of Research Paper	Organized By	Name of Conf.	Level of Conf.	ISB N No.	Vol. No.	Page No.
-	-	-	-	-	-	-	-

8. Books Published/Chapters in Books:

Sr. No.	Title of Book	Publication	Year of Publication	ISBN No.
1	Synthesis and Applications of Aggregation-Induced Emission Luminogens	Bright Sky Publications	2025	978-93-6233-364-3

9. Conference/Seminars/Workshops Attended:

Sr. No.	Name of Programme	Organized By	Year & Duration	Level of Conference
1	Two Days National Symposium On Innovative Inclinations And Sustainable Technologies In Chemical Sciences-2023	Deogiri College Aurangabad.	2023 Two day	National
2	National Conference on Advances in Analytical Techniques For Materials And Bio-Medical Application (Aatmabiman - 2022)	Indian Association of Applied Microbiology (IAAM)	2022 Two day	National
3	National Conference On "Recent Advances in Chemical Sciences" (RACS - 2022)	P. A. H. Solapur University Chemistry Teachers Association (PAHSUCTA), organized by the School of Chemical Sciences, Punyashlok	2022 One day	National

		Ahilyadevi Holkar Solapur University, Solapur		
4	Two Days International E-Conference on Sustainable Development in Chemistry & Scientific Applications. (ICSDCSA 2021)	Rayat Shikshan Sanstha's Sadguru Gadage Maharaj College, Karad.	2021 Two day	International
5	Three-day online International Conference on "Recent Trends in Green and Sustainable Development in Chemical Sciences"	October 25, 26 & 27, 2021 (ORAL) At K.R.T. Arts, B.H. Commerce, and A.M. Science College, (KTHM College) Nashik – 02.	2021 Three day	International
6	International Conference on Interdisciplinary Approaches in Chemical Sciences.	Abasaheb Garware College, Pune.	2021 Three day	International
7	Interdisciplinary National Conference On Scientific Approaches for Sustainable Environment In Collaboration with The University of Mumbai	John Wilson Education Society's Wilson College (Autonomous)	December 2023 Two day	National
8	National Conference on "Recent Trends in Chemical Sciences Research" (RTCSR-2024) on 20th January 2024.	Dept. of Chemistry, Balbhim College Beed	2024 One day	National

10. Research Guidance:

Course	Current Fellows	Awarded Fellows
M. Phil.	-	-
Ph. D.	03	-

11. Orientation/Refresher/Short Term Courses Attended:

Sr. No.	Name of Organizer	Name of Programme	Year of Programme	Duration (in Days)
1	Ramanujan College, University of Delhi	Induction/Orientation	2023	30
2	UGC-MMTTC, Gujarat University, Ahmedabad	Refresher Course in Chemistry	2025	12

12. Awards /recognitions received: International, National, State, University level: Teachers awards, Prize in poster presentations, paper reading in conferences/seminars, awards related to social work, etc.

Sr. No.	Name of the Award	Awarding Agency	Level	Year
1	Recognition as a Research Supervisor for Ph.D.	Shivaji University, Kolhapur	State	2025
2	Recognition as a Post Graduate Teacher.	Shivaji University, Kolhapur	State	2024

13. Patents:

Sr. No.	Name of Contributors	Title	Agency	Registration Number	Year
01	1. Dr. Kishor Sambhaji Jagadhane Yashwantrao Chavan College of Science, Karad, Maharashtra, 415124, India 2. Dr. Nagesh Baliram Birajdar 3. Prof. (Dr.) Ankush Vithoba Mali 4. Prof. (Dr.) Shivaji Hariba Burungale 5. Prof. (Dr.) Govind Bhagwan Kolekar 6. Prof. (Dr.) Prashant Vikramrao Anbhule Department of Chemistry, Shivaji University, Kolhapur, Maharashtra, 416004, India	Device for Detection of Riboflavin-Vitamin B2 in Aqueous Media	UK (United Kingdom)	6398016	2024

02	1. Dr. Kishor Sambhaji Jagadhane Yashwantrao Chavan College of Science, Karad, Maharashtra, 415124, India 2. Dr. Nagesh Baliram Birajdar 3. Prof. (Dr.) Ankush Vithoba Mali 4. Prof. (Dr.) Shivaji Hariba Burungale 5. Prof. (Dr.) Govind Bhagwan Kolekar 6. Prof. (Dr.) Prashant Vikramrao Anbhule Department of Chemistry, Shivaji University, Kolhapur, Maharashtra, 416004, India	Ein System auf der Basis von Tetraphenylethen zum Nachweis von Metallionen in Wasser	Germany	202024106437.2	2024
----	--	---	---------	----------------	------

14. Editorial Board

Associate Editor :

Review Editor :

15. Leadership Activities

16. Contribution to University level

- Paper setter : B. Sc. I, II, III and M.Sc. I and II
- Examiner : B.Sc., M.Sc.
- Subject Expert in : Chemistry
- CAP : B. Sc. I, II, III and M.Sc. I, II
- BOS :

Place : Karad

A handwritten signature in blue ink, appearing to read 'Sambhaji', is written above a horizontal blue line.

Name of Faculty

Dr. Kishor Sambhaji Jagadhane