

BIO -DATA



- NAME** : Dr. (Mrs.) R. S. Bendre
- DATE OF BIRTH** : 10th May 1966
- INSTITUTION** : KBC North Maharashtra University
Jalgaon
- PRESENT DESIGNATION** : Sr. Professor and Head,
Dept. of Pesticides and Agrochemicals,
School of Chemical Sciences,
- NATIONALITY** : Indian
- EDUCATIONAL QUALIFICATION** : M.Sc., Ph.D.

Degree	University	Year of Passing	Class & % of Marks	Subject
B.Sc.	University of Pune	1985	I (71.55)	Chemistry
M.Sc.	University of Pune	1987	I (62.85)	Inorganic Chemistry
Ph.D.*	University of Pune	1993	---	Chemistry

***Title of Ph. D Thesis:** Structural Studies on Transition Metal Complexes of Biological Relevance

***Research Supervisor:** Prof. Subhash Padhye
Department of Chemistry,
Pune

7. EXPERIENCES :

I) TEACHING : 28 years (at Post-Graduate level)

Sr. No.	Designation	Institution	Period From-To	Duration
1	Lecturer	University of Pune	04/11/1991 To 31/12/1991	02 Months
2	Lecturer	North Maharashtra University	07/08/1993 To 26/07/1998	4 Years, 11 Months, 20 Days
3	Senior Lecturer	North Maharashtra University	27/07/1998 To 26/07/2003	05 Years
4	Reader (Associate professor)	North Maharashtra University Head , Department of Pesticides & Agrochemicals	27/07/2003 To 30/01/2009	05 Years, 06 Months
5	Professor	North Maharashtra University Head , Department of Pesticides & Agrochemicals	31/01/2009 To 12/01/2021	11 Years, 11 Months, 17 Days
6	Sr. Professor	North Maharashtra University Head , Department of Pesticides & Agrochemicals	Since 12/01/2021	---

Subjects Taught:

Pesticides Formulations, Fertilizers, Biopesticides, Pesticides Residues, Biochemistry and Toxicology of Pesticides & Inorganic Chemistry/Industrial Inorganic Chemistry

II) ALLIED:

a)	Extension work, Co-curricular and extra-curricular activities carried out:	
i)	Worked as Co-ordinator for activities conducted under National Science Day celebration , sponsored by Science and Technology Cell, Government of Maharashtra	
	❖	“Popular Lectures/Posters ‘Clean Energy Options and Nuclear Safety ’March 2012
	❖	“Lecture series on Safety in Laboratory” 3 rd March 2009
	❖	“Pathnatya” - 28 th Feb. to 4 th Mar. 2006
	❖	“Vidnyan Yatra” - 28 th Feb. to 5 th Mar. 2004
	❖	“Lecture Series” - 28 th Feb. to 22 nd Mar. 2003
	❖	“Krishi Vidyan Yatra” - 28 th Feb. to 5 th Mar. 2000.
ii)	Active participation in Tree Plantation .	
iii)	Coordination of Geet-Gayan Samitee as Chairman for Convocation and Other Events till establishment of Dept. of Music.	
b)	Activities concerning corporate - like such as Hostel -Warden ship, Guidance bureau, Gymkhana, N.S.S. etc.:	
	❖	First Rector of Girls’ Hostel from June 1998 to Jan. 2005 and since July
	❖	Worked as Coordinator , Training & Placement.
c)	Active participation in the preparation of FIST proposal of DST and SAP of UGC and NAAC and XI plan of UGC and their presentations.	
d)	Worked as reviewer for The Pesticides Encyclopedia - A Govt. of India Project – Chief Editor Dr. Vasant Gowarikar.	
e)	Conferences: <ul style="list-style-type: none">• Worked as Treasurer for 18th Annual Conference of Indian Council of Chemists at North Maharashtra University, Jalgaon.• Member of organizing committee of RTSOC, CV Raman memorial lecture series, DAAD-2008, NIPEC, Gold-CT, and Avishkar.• Convenor, Workshop on• Member of organizing committee Workshop conducted by Women Study Centre, North Maharashtra University, Jalgaon• Chairperson, Environmental Studies session, at ICPAC, Mauritius 2010 and Port blare	
e)	Examination: Working as Chairman of Board of Exams and Paper Setters for M.Sc. ‘ Pesticides & Agrochemicals ’ Examination.	
f)	Consultancy work carried out	
	❖	Guiding Industry sponsored M.Sc. projects. [Indofill Chemicals Company
	❖	Rallis (India)
	❖	Service of Pests control provided to various departments on the Campus. Soil Testing, Micronutrient analysis, Quantitative analysis of Industrial Samples

III) RESEARCH: 35 Years

A) Research Guidance for Ph. D/M. Phil.:

	M. Phil.	Ph. D
Students Guided	02	19
Thesis Submitted	00	02
Students Working	--	05+1*

*co-guide

B) Research Fellowships, Honors and Awards:

a.	Junior Research Fellowship	:	DNES sponsored project - 3 years
b.	Senior Research Fellowship	:	Award of CSIR- SRF - 3 years
c.	Best Funding Award 2013-14	:	North Maharashtra University
d.	Best Publication Award 2014-15	:	North Maharashtra University
e.	Best Publication Award 2015-16	:	North Maharashtra University
f.	Best Publication Award 2016-17	:	North Maharashtra University
g.	UGC-BSR Mid-Career Award Grant 2019	:	University Grant Commission
h.	Best Publication Award 2017	:	KBC North Maharashtra University
i.	Best Publication Award 2018	:	KBC North Maharashtra University
j.	Fellow of Maharashtra Academy of Sciences	:	BLF 1089

C) Areas of research:

❖	Development of Pesticide Formulations
❖	Natural products and their derivatives as safer pesticides, IGRs and PGRs
❖	Metal Complexes of Biological Relevance (DNA interaction Studies, SOD, WOC mimics and antimicrobial agents).
❖	Use of metal complexes as catalysts
❖	Application of natural products in the synthesis of biologically Active Organic and Inorganic compounds. Particularly anticancer Compounds.

In past 25 years I am actively working at the newly established University, in the field of Synthetic Chemistry (Organic, Inorganic, **and Pesticides and Agrochemicals**) and natural products. The work is also on synthesis, characterization, and activities of coordination compounds as mimics of superoxide dismutase (SOD) and water oxidation complex (WOC). Research work on botanical pesticides involves evaluation of Pesticidal efficacy of plant extract against microbial and stored grain pests. Derivatization of natural molecules such as lawsone and Monoterpenoids such as Thymol, Carvacrol and Eugenol has also been carried out to improve biological activities such as antimicrobial/antidiabetic/anticancer/ PGR, Insect Growth Regulators (IGRs) and to observe structure - activity co-relationship.

The research work on Pesticides Formulations involves development of granular formulations using fly ash as diluents, use of starch and its modification for

safe and effective delivery system of bioactive molecules (Pesticides) and development of bio-based polymers for microencapsulation of bioactive molecules.

8. RESEARCH PROJECTS:

A) Completed:

Sr. No.	Project Title	Funding Agency	Amount	Sanction No. (Period)
1.	Gold Vs Platinum Complexes as anticancer agents	UGC BSR Mid-Career Award Grant UGC, New Delhi	Rs 10 Lacs	F.19-236/2019 (BSR) 30 May 2019 - 29 May 2021
2.	Chemical Nucleases: Synthesis, Characterization and DNA Cleavage Activity of Coordination Compounds involving Novel Polydentate Ligands	University Grant Commission, New Delhi	Rs. 11.53 lakh	42-374/2013(SR) (2013-2016)
3.	Design and Development of Novel Insect Growth Regulators: Synthesis and Structure Activity Correlation of Benzoyl Phenyl Ureas, 1,2-Diacyl Hydrazines, Thiodiazoles and Oxadiazoles Derived from Naturally Occurring Phenolic Monoterpenoids	CSIR, New Delhi	Rs. 10.75 lakh	02(0130)/13/EMR-II 2013-2016
4.	Eco-friendly Pest Management: Development of Carvacrol Derivatives as Insect Growth Regulators	UGC, New Delhi	Rs. 6.78 lakh	F.No. 33-275/2007 2007- 2010
5.	Designing Functional Mimics of Superoxide Dismutase Enzyme	UGC, New Delhi	Rs. 3.39 lakh	F.12-66/2003 (SR) 2003- 2006
6.	Studies on Dioxochromium (VI) Quinone monoxime complexes as Potential Oxidation Catalysts	UGC, New Delhi	Rs. 0.15 lakh	1996-99
7.	Novel Methods for the Synthesis of Fullerenes : Pyrolysis & Catalytic Approaches	TWAS		1995-97

Coordinator:

Sr. No.	Project Title	Funding Agency	Amount Rs.	Sanction No. (Period)
1	Synthesis and development of bioactive compounds	University Grant Commission, New Delhi	1.92,000,00/-	F.4-6/2015/DSA-I (SAP-II) (2015-2020)

Industry Sponsored Project - VVF India Ltd. Mumbai (Feb 2017- July 2017) [Rs. 2.50 lakh]

9. Membership of Scientific Societies

- ❖ Catalysis Society of India (479545) (18/11/1995)
- ❖ Indian Council of Chemists (LF/432) (10/02/1997)
- ❖ Indian Association of Solid-State Chemistry and Allied Sciences, Jammu (LM-278) (19/04/2005)
- ❖ Society of Material Chemistry (LM 886) (11/03/2015)

- ❖ Fellow of Maharashtra Academy of Sciences – (BLF 1089)
- ❖ Association of Chemistry Teachers – (ACT LM 047) (22/05/2015)

10. RESEARCH PUBLICATION:

Total : 90 National : 16 International : 67 Reviews : 03 Book(Chapter): 04 Articles : 03 Patents : 01 (Applied) 02 (under Preparation)	<table border="1"> <tr> <td></td> <td>All</td> <td>Since 2017</td> </tr> <tr> <td>Citations</td> <td>2499</td> <td>1207</td> </tr> <tr> <td>h-index</td> <td>21</td> <td>19</td> </tr> <tr> <td>i10-index</td> <td>42</td> <td>26</td> </tr> </table>		All	Since 2017	Citations	2499	1207	h-index	21	19	i10-index	42	26
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	i10-index	42	26										
<p style="text-align: center;">Citations</p>													

A) National and International Publications:

Sr. No	Paper	Authors	Journal	Page/ Vol No./ Year of public.	Impact factor
90	Encapsulation of bioinsecticide oil in phenol-urea-formaldehyde terpolymer	Patil, Rahul D., and Ratnamala S. Bendre	Journal of Macromolecular Science, Part A	1-13 (2022)	2.686
89	Synthesis and Characterization of New Schiff-bases as Methicillin Resistant Staphylococcus Aureus (MRSA) Inhibitors	Bendre, R. S. , Patil, R. D., Patil, P. N., Patel, H. M., & Sancheti, R. S.	Journal of Molecular Structure	132152 (2021)	3.196
88	Bioactive Nitrogenous Heterocyclic Scaffolds of Thymol and Carvacrol	Rahul T. Bhoi Ratnamala S. Bendre	Book- Small Bioactive Compounds: From Synthesis to Biological Evolutions. Rajput, R. D. & Patil V. C.	1-28 (2021) E-ISBN: 978-1-68576-211-7	-
87	Preparation, characterization and controlled release study of poly (urea-formaldehyde) microcapsules enclosing pretilachlor herbicide Iranian Polymer Journal	Rahul D. Patil, Ratnamala Bendre	Iranian Polymer Journal	1-14 (2022)	1.899
					5

86	An efficient synthesis of rearranged new biologically active benzimidazoles derived from 2-formyl carvacrol	Rahul T Bhoi, Jamatsing D. Rajput, Ratnamala S. Bendre	Research on Chemical Intermediates	1-22 (2021)	2.914
85	The transition metal complexes of Fe(II), Ni(II), Cu(II) derived from phthalazine based ligands: Synthesis, crystal structures and biological activities	Smita S Patil, Samina K Tadavi, Amol Dikundwar, Ratnamala Bendre	Journal of Molecular Structure	1247, 131293 (2022)	3.196
84	Synthesis, crystal structures and antimicrobial activity of palladium metal complexes of sulfonyl hydrazone ligands	Samina Karimkha Tadavi, Ratnamala Subhash Bendre , Satish Vittal Patil, Shubha Gaguna and Jamatsing Darbarsing Rajput	European Journal of Chemistry	11 (4) 377-384 (2020)	0.447
83	A green tactic for the synthesis of classical 3,3-bisindolyl methanes in waste curd water	Jamatsing Rajput, Sunil Koli, Bhavana Mohite, Ratnamala Bendre Satish Patil, Vikas Patil	SN Applied Sciences	1(10), 1-8 (2019)	--
82	Synthesis, characterization, and antioxidant activity of thymol-based paracetamol analogues	Pradnya S. Sathe, Jamatsing D. Rajput Shubha S. Gunaga, Harun M. Patel, Ratnamala Bendre	Research on Chemical Intermediates	45(260). 1-12 (2019)	2.914
81	Concise on Some Biologically Important 2-Substituted Benzimidazole Derivatives	Hadole CD, Rajput JD and Bendre RS	Organic Chem Curr Res	7:3 (2018)	3.81
80	Carvacrol: An Excellent Natural Pest Control Agent	Ratnamala Bendre , Suresh Bagul and Jamatsing Rajput	Journal of Natural Product chemistry and research	6(6): 1-3 (2018)	--
79	Controlled release study of phenol formaldehyde based microcapsules containing various loading percentage of core cypermethrin at different agitation rates	Karandikar PS, Rajput JD, Bagul SD, Gite VV, Bendre RS	Polymer Bulletin	1-8 (2018)	2.870
78	Clean synthesis of coumarin-3-carboxylic acids using water extract of rice straw husk	Manohar Patil, Suresh Bagul, Jamatsingh Rajput, Ratnamala Bendre	Green Materials	6(4) 143-148 (2018)	1.692
77	Synthesis, Characterization and Antioxidant Potency of Naturally Occurring Phenolic Monoterpenoids Based Hydrazide Motifs	Manohar Patil, Dr. Ratnamala Bendre	Medicinal Chemistry	8(7): 177-180 (2018)	1.91

76	Monoterpenoid derivative based ratiometric fluorescent chemosensor for bioimaging and intracellular detection of Zn ²⁺ and Mg ²⁺ ions	Manohar Patil, Karunesh Keshav, Mukesh Kumar Kumawat, Ratnamala Bendre Shilpa Bothra, Suban Sahoo, Rohit Srivastava, Jamatsing Rajput, Anil Kuwar.	Journal of Photochemistry and Photobiology A: Chemistry	364, 758-763 (2018)	4.291
75	Synthesis, Characterization and Investigation of Anti-Oxidant Activity of Hydrazone–hydrazone Derivatives of 2-(2-Isopropyl-5-methyl phenoxy) Acetohydrazide.	Pradnya S. Sathe, Umesh D. Pete, Ratnamala S. Bendre	Asian J. Research Chem.	11(3) 533-538. (2018)	--
74	Highly selective nicotinohydrazide based ‘turn-on’ chemosensor for the detection of bioactive zinc (II): Its biocompatibility and bioimaging application in cancer cells	Patil M, Bothra S, Sahoo SK, Rather HA, Vasita R, Bendre R , Kuwar A.	Sensors and Actuators B: Chemical	270, 200-206 (2018)	7.460
73	Facile syntheses and molecular-docking of novel substituted 3, 4-dimethyl-1H-pyrrole-2-carboxamide/carbohydrazide analogues with antimicrobial and antifungal properties	Bhosale JD, Dabur R, Jadhav GP, Bendre RS	Molecules	23(4): 875 (2018)	4.411
72	Insect growth regulatory activity of carvacrol-based 1, 3, 4-thiadiazoles and 1, 3, 4-oxadiazoles	Bagul SD, Rajput JD, Srivastava C, Bendre RS	Molecular diversity	1-9 (2018)	2.943
71	Synthesis, Characterization and In-Vitro Antidiabetic Studies of Vanadium Complexes derived from N ₂ O ₂ donor Ligands	Pawar, Shashikant P., Tryambakrao J. Patil, and Ratnamala S. Bendre.	Asian Journal of Research in Chemistry	1, 8-14 (2018)	--
70	Synthesis, crystal structures and biological activities of transition metal complexes of a salen-type ligand	Ratnamala Bendre Samina K. Tadavi, Manohar M. Patil.	Transition Metal Chemistry	43, 83-89 (2018)	1.588
69	Perspectives on medicinal properties of natural phenolic monoterpenoids and their hybrids	Rajput, J. D., Bagul, S. D., Pete, U. D., Zade, C. M., Padhye, S. B., & Bendre, R. S.	Molecular diversity	22(1), 225-245 (2018)	2.943
68	Synthesis and characterization of a novel schiff base of 1,2-diaminopropane with substituted salicylaldehyde and its transition	Samina K. Tadavi, Abhijit A. Yadav, Ratnamala S. Bendre,	Journal of Molecular Structure	1152, 223- 231 (2018)	3.196

	metal complexes: Single crystal structures and biological activities				
67	Design, Synthesis and Antioxidant Activity Of N, N'-Diacylhydrazines Containing 2-(2-Isopropyl-5-Methyl Phenoxy) Moieties, A Solvent Free Green Synthetic Approach.	Ratnamala S. Bendre , Pradnya S. Sathe, Suresh D. Bagul.	Asian Journal of Research in Chemistry and Pharmaceutical Sciences	5(3), 106-113, (2017)	--
66	Synthesis, Characterization and Antioxidant Activity of Carvacrol Based Sulfonates	Suresh D Bagul, Jamatsing D Rajput, Manohar M Patil and Ratnamala S Bendre	Medicinal Chemistry	7(10): 294-298 (2017)	
65	Synthesis of 3-carboxycoumarins at room temperature in water extract of banana peels	Suresh D. Bagul, Jamatsing D. Rajput, Ratnamala S. Bendre	Environmental Chemistry Letters	15(4):72 5-31 (2017)	9.027
64	Synthesis, characterizations, biological activities and docking studies of novel dihydroxy derivatives of natural phenolic monoterpenoids containing azomethine linkage	Jamatsing D. Rajput, Suresh D. Bagul, Amar A. Hosamani, Manohar M. Patil and Ratnamala S. Bendre	Research on Chemical Intermediates	43.10: 5377-5393 (2017).	2.914
63	Design, synthesis, biological screenings and docking simulations of novel carvacrol and thymol derivatives containing acetohydrazone linkage	Jamatsing D. Rajput, Suresh D. Bagul, Amar A. Hosamani, Manohar M. Patil and Ratnamala S. Bendre ,	Research on Chemical Intermediates	43(8), 4893-4906 (2017)	2.914
62	Crystal Structure, Spectral Characterization and Biologically Studies of Mononuclear Transition Metal Complexes Derived from New N ₂ O ₂ Type Ligand	Samina K Tadavi, Jamatsing D Rajput, Suresh D Bagul, Jaiprakash N Sangshetti, Amar A Hosamani and Ratnamala S Bendre	Modern Chemistry & Applications 2329-6798	5(1), 1000211 1-7 (2017)	2.07
61	Synthesis, crystal structures, biological screening and electrochemical analysis of some salen-based transition metal complexes	Samina K. Tadavi, Jamatsing D. Rajput, Suresh D. Bagul, Amar A. Hosamani, Jaiprakash N. Sangshetti, and Ratnamala S. Bendre	Research on Chemical Intermediates	43, 4863-4879 (2017)	2.914

60	Comparative Anti-Proliferative Studies of Natural Phenolic Monoterpenoids on Human Malignant Tumour Cells.	Jamatsing D Rajput, Suresh D Bagul, Samina K Tadavi and Ratnamala S Bendre	Medicinal & Aromatic Plants	5(279), 2167-0412 (2016)	1.52
59	Synthesis, Characterization and Antioxidant Activity of Carvacrol Containing Novel Thiadiazole and Oxadiazole Moieties.	Suresh DB, Jamatsingh DR, Pravin SK, Ratnamala S Bendre	Modern Chemistry and Applications 2329-6798	4(193), 1-4 (2016)	2.07
58	Design, synthesis and biological activities of novel 5-isopropyl-2-methylphenolhydrazide-based sulfonamide derivatives	Suresh D Bagul, Jamatsing D Rajput, Samina K Tadavi and Ratnamala S Bendre	Research on Chemical Intermediates	1;43(4):2 241-252 (2016)	2.914
57	Outlooks on Medicinal Properties of Eugenol and its Synthetic Derivatives.	Ratnamala S Bendre , Jamatsing D Rajput, Suresh D Bagul and Pravin S Karandikar.	Nat. Prod. Chem. Res.	4 (3), 1-6. (2016)	1.71
56	Design, Synthesis and Biological Evaluation of Novel Class Diindolyl Methanes (DIMs) Derived from Naturally Occurring Phenolic Monoterpenoids	Jamatsing D Rajput, Suresh D Bagul, Samina K Tadavi, Pravin S Karandikar and Ratnamala Bendre	Med Chem.	6(2): 123-128 (2016)	1.72
55	Partial Rotation of Isopropyl Group in the Solid State: Single Crystal to Single Crystal Phase Transformation in a Carvacrol Derivative.	Umesh Pete, Amol G. Dikundwar, Vaishali Sharma, Shridhar P. Gejji, R. S. Bendre , Tayur N. Guru. Row	Cryst. Eng.Comm	17, 7441-7447 (2015)	4.038
54	A highly selective fluorescent 'turn-on' chemosensor for Hg ²⁺ based on a phthalazin-hydrazone derivative and its application in human cervical cancer cell imaging	Dipesh Mahajan, Nilesh Khairnar, Banashree Bondhopadhyay, Suban K. Sahoob, Anupam Basu, Jasminder Singh, Narinder Singh, Ratnamala Bendre , Anil Kuwar	New Journal of Chemistry	39, 3071-3076 (2015)	3.086
53	A novel phthalazine based highly selective chromogenic and fluorogenic chemosensor for Co ²⁺ in semi-aqueous medium: application in cancer cell imaging	Smita Patil, Rahul Patil, Umesh Fegade, Banashree Bondhopadhyay, Umesh Pete, Suban K. Sahoo, Narinder	Photochemical & Photobiological Sciences	14 (2), 439-443 (2015)	3.982

		Singh, Anupam Basu, Ratnamala Bendre and Anil Kuwar			
52	Fluorescence Chemosensor for HSO ₄ ⁻ Ion Based on Pyrrole-Substituted Salicylimine Zn ²⁺ Complex: Nanomolar Detection.	Fegade, U., Bhosale, J., Sharma, H., Singh, N., Bendre, R., & Kuwar, A.	Journal of fluorescence	25(4), 819-824, 14 March 2015	2.217
51	A novel chromogenic and fluorogenic chemosensor for detection of trace water in methanol	Umesh Fegade, Smita Patil, Rajinder Kaur, Suban K. Sahoo, Narinder Singh, Ratnamala Bendre , Anil Kuwar	Sensors and Actuators B: Chemical	210 324-327 (2015)	7.460
50	Pyrrole-coupled salicylimine-based fluorescence "turn on" probe for highly selective recognition of Zn ²⁺ ions in mixed aqueous media: Application in living cell imaging.	Bhosale, J., Fegade, U., Bondhopadhyay, B., Kaur, S., Singh, N., Basu, A., ... & Kuwar, A.	Journal of Molecular Recognition	28(6), 369-375, 24 Feb 2015	2.137
49	2-((E)-(2-aminophenylimino) methyl)-6-isopropyl-3-methylphenol based fluorescent receptor for dual Ni ²⁺ and Cu ²⁺ recognition: Nanomolar detection	Shashikant Pawar, Umesh Fegde, Vimal Kumar, Narinder Singh, Ratnamala Bendre , Anil Kuwar	Polyhedron	87, 79-85 (2015)	3.052
48	A Fluorescent and Colorimetric Sensor for Nanomolar Detection of Co ²⁺ in Water	Anil Kuwar, Rahul Patil, Amanpreet Singh, Ratnamala Bendre , Narinder Singh	ChemPhysChem	15, 3933-3937 (2014)	3.102
47	Novel fluorescent chemosensing of CN ⁻ anions with nanomolar detection using the Zn ²⁺ -isonicotinohydrazide metal complex	Nilesh Khairnar, Kundan Tayade, Shilpa Bothra, Suban K. Sahoo, Jasminder Singh, Narinder Singh, Ratnamala Bendre and Anil Kuwar	RSC Advances	4, 41802-41806 (2014)	3.7
46	2, 2'-(Hydrazine-1, 2-diylidenedimethylidene) bis (6-isopropyl-3-methylphenol) based selective dual-channel	Umesh Fegade, Anu Saini, Suban K. Sahoo, Narinder Singh, Ratnamala	RSC advances	4, 39639-39644 (2014)	3.7

	chemosensor for Cu ²⁺ in semi-aqueous media	Bendre and Anil Kuwar			
45	Green Synthesis and Characterization of Some 4-Substituted-N-aryl-1,3-thiazole-2-amine Derivatives	Dipesh P. Mahajan and R. S. Bendre ,	Asian Journal of Biochemical and Pharmaceutical Research,	4 (2), 103-108 (2014)	0.456
44	Synthesis and Antimicrobial Study of Some Substituted 2-Amino Benzothiazole Derivatives	Dipesh P. Mahajan and R. S. Bendre ,	Journal of Applicable Chemistry,	3 (3): 1239-1245 (2014)	1.20
43	Highly selective and ratiometric chemosensor for selective 'naked-eye' and nanomolar detection of Co ²⁺ in semi-aqueous medium	Smita Patil, Umesh Fegade, Suban K. Sahoo, Amanpreet Singh, Jaromir Marek, Narinder Singh, Ratnamala Bendre , Anil Kuwar	ChemPhysChem	15, 2230 – 2235 (2014)	3.36
42	Highly selective turn-on fluorescent sensor for nanomolar detection of biologically important Zn ²⁺ based on isonicotinohydrazide derivative: Application in live cell imaging	Kundan Tayade, Suban A.S. Kuwar, K.C. Tayade and R.S.Bendre	Biosensors and Bioelectronics	61, 429-433 (2014)	6.45
41	Synthesis, Characterization and Biological activities of Novel substituted formazans of 3,4-dimethyl-1H-pyrrole-2-carbohydrazide Derivatives	Jitendra D Bhosale; Amey R Shirolkar; Umesh D Pete; Chetan M Zade; Dipesh P. Mahajan; Chakradhar D Hadole; Sharad D Pawar; Umesh D Patil; Rajesh Dabur; Ratnamala S Bendre	Journal of Pharmacy Research	7, 582-587 (2013)	--
40	Microwave Assisted Improved Method For The Synthesis, Characterization And Antimicrobial Activity Of Substituted Benzimidazole Urea Derivatives	Chakradhar D. Hadole, Umesh D. Pete, Chetan M. Zade, Jitendra D. Bhosale, Megharaj S. Kadam and Ratnamala S. Bendre	Indo American Journal of Pharmaceutical Research,	3(9) 7201-7209 (2013)	--
39	Bio-efficacy Study of Lambda-cyhalothrin EW Formulation against <i>Cnaphalocrocis medinalis</i> on Rice: A Safer and Effective Approach.	D. L. Ahire, R. S. Bendre	Research & Reviews: Journal of Agricultural Science & Technology	2(2), 1-6 (2013)	--

38	Synthesis, Characterization and Plant Growth Regulator Activity of Some Substituted 2-Amino Benzothiazole Derivatives	Dipesh P. Mahajan, Jitendra D. Bhosale and R. S. Bendre ,	Journal of Applicable Chemistry	2 (4): 765-771 (2013)	1.20
37	Bis(2-Hydroxy-3-Isopropyl-6-Methyl-Benzaldehyde) Ethylenediamine: A Novel Cation Sensor	Anil Kuwar, Umesh Fegade, Kundan Tayade, Umesh Patil, Horst Puschmann, Vikas Gite, Dipak Dalal, Ratnamala Bendre ,	J. Fluorescence	23 : 859-864. (2013)	2.217
36	Synthesis, Characterization and Biological Screening of New 4-Thiazolidinones having Potentially Active Tetrazole Moiety,	Archana A. Sawale, Ratnamala S. Bendre and Pradip R. Patil	Res. J. Pharm., Biol. And Chem. Sci.	3(3), 415-420 (2012)	0.35
35	Tracing a common Origin of Phase Transformation, Polymorphism, Disorder, Isosterism and Isostructuralism in Fluorobenzoylcarvacryl Thiourea	Dikundwar, Amol; Pete, Umesh; Zade, Chetan; Bendre, Ratnamala ; Guru Row, Tayur,	Cryst. Growth Design	12 (9), 4530-4534 (2012)	4.720
34	Hybrid Molecules of Carvacrol and Benzoyl Urea/Thiourea with Potential Applications in Agriculture and Medicine.	Umesh D Pete, Santosh G Tupe, Chetan M Zade, Jitendra D Bhosale, Preeti M Chaudhari, Amol G Dikundwar, R. S. Bendre .	Bioorg Med Chem Lett.	1;22(17): 5550-54 (2012)	2.823
33	Cu (II), Ni (II), Zn (II), Fe (III) complexes Containing N ₂ O ₂ Donor Ligand: Synthesis, Characterization, DNA Cleavage Studies and Crystal Structure of [Cu(HL)Cl]	Rakesh S. Sancheti, Ratnamala S. Bendre , Anupa A. Kumbhar	Polyhedron,	31 (4) 12-18 (2012)	3.052
32	Design and development of novel insect growth regulators: Synthesis, characterization and effect of benzoyl thymyl thioureas and ureas on total haemocyte count of <i>Dysdercus koenigii</i>	Chetan M. Zade, Umesh D. Pete, Smita S. Patil, Jitendra D. Bhosale, Chakradhar D. Hadole, Meghraj S. Kadam, and Ratnamala S. Bendre	Jr. Environment and Health Sciences Part B	47, 136-143 (2012)	1.119
31	Development of Novel Insect Growth Regulators: Effect of 1-	C. M. Zade, U. D. Pete, M. S. Kadam	Proceedings of ICPAC,	69-79 (2010)	--

	(substituted benzoyl)- 3-[(2'-isopropyl-5'-methylphenoxy) acetamino] thiourea and urea derivatives on Total Haemocyte Count of <i>Dysdercus koenigii</i>	and R. S. Bendre	Mauritius.2010. [Book - Chemistry for Sustainable Development, Springer		
30	Identification and Characterization of Two Novel Antimicrobial Compounds from <i>Jasminum grandiflorum</i> L.	J. D. Bhosale, Mangesh Khond, T.K. Mandal, R.S. Bendre and Rajesh Dabur	World Applied Sciences Journal	13 (1): 47-51, (2011)	
29	2-{-Hydroxy-3-[2-methyl-5-(propan-2-yl)phenoxy]propyl}(pyridin-2-ylmethyl) amino] methyl} phenol	Rakesh S. Sancheti, Amol G. Dikundwar and Ratnamala S. Bendre,	Acta Cryst	E 67, o1605 (2011)	0.41
28	(Z)-2-(2-isopropyl-5-methylphenoxy)-N'-(2-oxoindolin-3-ylidene)acetohydrazide	Chetan M. Zade, Umesh D. Pete, Amol Dikundwar and Ratnamala S. Bendre	Acta. Cryst,	E 66, o1416 (2010).	0.41
27	Natural Products- Antifungal Agents Derived From Plants	Arif Tasleem, Bhosale J.D., Kumar Naresh, Mandal T.K., Bendre R.S., Lavekar G.S. and Dabur Rajesh	Journal of Asian Natural Products Research,	11: 7, 621-638 (2009)	1.07
26	6,6-Diisopropyl-3,3'-dimethyl-2,2'-azinodiphenol.	Ray J. Butcher, Ratna S. Bendre and Anil S. Kuwar	Acta. Cryst.	E63, o3360 (2007)	0.41
25	Insecticidal Activity of Ethanolic Extract of <i>Ocimum canum</i> L. Leaves against Three Stored Grain Insects	SR Shimpi and RS Bendre	Pesticide Research Journal	19(2): 152-153 (2007)	--
24	Synthesis, Characterization and Antimicrobial Activities of Metal Complexes of 2-formylthymol oxime.	A.S.Kuwar, S.R.Shimpi, P.P.Mahulikar and R.S.Bendre	J. Sci. Ind. Res.	65, 665-669 (2006)	0.557
23	Synthesis, Antioxidant properties and Antiproliferative activities of tetrameric Copper and Copper-zinc metal complexes of catecholamine Schiff base ligands.	S. Dutta, R. Bendre, S. Padhye, F. Ahmed and F. Sarkar	Synthesis and Reactivity in Inorganic, Metal-organic and Nano-material Chemistry	35 (1), 3-10 (2005)	0.518
22	Evaluation of Antimicrobial Activity of Organic Extracts of Leaves of <i>Aristolochia bracteata</i> .	S.R.Shimpi, L.S.Chadhari, S.M.Bharambe, A.T.Kharache,	Pesticide Research Journal	17(1), 16-18 (2005)	0.07

		K.P.Patil, R.S.Bendre and P.P.Mahulikar			
21	Stability and Antibacterial Activity of Aqueous Extracts of <i>Ocimum canum</i> Leaves.	S.R.Shimpi and R.S.Bendre	Indian Perfumer	49(2), 225-229 (2005)	--
20	2-Formylthymol oxime.	Ray J. Butcher, Ratnamala S. Bendre and Anil S. Kuwar	Acta Cryst.	E 61, o3511- o3513 (2005)	0.41
19	Effect of <i>Ocimum canum</i> Extract Against Plant Pathogen.	S.R.Shimpi and R.S.Bendre	Indian Perfumary	48 (3), 331-334 (2004)	--
18	Effect of Pharmaceutical Industry Effluents on Germination & Growth of <i>Triticum aestivum</i> & <i>Phaseolus vulgaris</i>	Shimpi S.R., Mahulikar P.P. and Bendre R.S.	Bull. Env. Sci.	1, 47-49 (2003)	--
17	Antimicrobial Efficacy Alcoholic Extracts of <i>Lantana camara</i> .	Seema R. Shimpi, Kshama M. Chavan, M. J. Khairnar, N. A. Sonawane, R. S. Bendre and P. P. Mahulikar	Pestology	26 (10) 47-49 (2002)	--
16	Antimicrobial Potency of Some Carvacrol Derivatives.	Vidya P. Nikumbh, Leena S. Chaudhari, Pradnya D. Bhoge, Maya J.Borole, Ratnamala S. Bendre and P. P. Mahulikar	Pestology	14 (2), 225-228 (2002)	--
15	Effect of Sugar Industry Effluents on Germination & Growth of <i>Triticum aestivum</i> & <i>Phaseolus vulgaris</i> .	P. P. Patil, S.H. Baviskar, Seema R. Shimpi, Meena R. Govasavi, R.S.Bendre , and P.P. Kumbhar	Oriental J. of Chem.	17 (2), 331-333 (2001)	--
14	Antifungal & Repellent Potency of Some Spice Extracts.	P.P Kumbhar, K.M.Chavan, U.B.Patil, V.P.Nikumbh, R.S.Bendre and P.M.Devang	Pestology	25 (8), 44-46 (2001)	--
13	Pesticidal Potency of Some Citronellol Derivatives.	P.P.Kumbhar, Vidya P. Nikumbh, Leena S. Chaudhari, Kshama M. Chavan,	Pestology	24 (12), 16-18 (2000)	--

		R.S.Bendre, V.V.Patil & P.M.Dewang			
12	Pesticidal Potency of Some Common Plant Extracts	P.P.Kumbhar, D.H.Salunkhe, M.B.Borse, M.S.Hiwale, L.B.Nikam, R.S.Bendre, M.V.Kulkarni and P.M.Dewang	Pestology	24 (6), 51-53 (2000)	--
11	Bioassay of Some Plant Extracts and Plant Growth Regulating Potency of After-Extraction-Residues.	P.P.Kumbhar, S.N.Desai, R.S.Bendre, H.B.Gavaskar, M.D.Suryawanshi, M.V.Kulkarni and P.M.Dewang	Pestology	23 (8), 30-33 (1999)	--
10	Crystal Structure of Cationic Complex of 2 [Co ^{III} (APOTSC) ₂] ⁺ [Co ^{II} Cl ₄] ²⁻	Murugkar A., Bendre R., Kumbhar A., Padhye S., Pritchard R. and Mc Auliffe C.A.	Ind. J. Chem.	38A (12), 997 -980 (1999).	0.491
9	X ray Structure of the Cytotoxic Planar Nickel (II) Complex of 4 N-dimethyl - 2-acetyl pyridine thiosemicarbazone.	Murugkar A., Bendre R., Padhye S. and Groy T.	Ind. J. Chem.	38 A (12), 981-984 (1999).	0.491
8	Synthesis and Characterization of Coordinatively Unsaturated Copper (II) Complexes of 1,3-Bis (2'-Pyridyl)1,2-Diaza-2-Butane and their Antityrosinase Activity.	Ratnamala Bendre, Anupa Murugkar, Subhash Padhye, Pallavi Kulkarni and Meena Karve	Metal Based Drugs	5, 59-66 (1998)	--
7	Synthesis, Structure and Magnetic and Redox Properties of Linear Bis-dinuclear Complexes Afforded by Schiff Base Ligands Containing Catecholate and Pyridine or Imidazole Groups.	Sylvie Theil, Ratnamala Yerande, Rajeev Chikate, Françoise Dahan, Azzedine Bousseksou, Subhash Padhye and Jean Peer Tuchagues.	Inorg.Chem.	36(27), 6279- 6286 (1997)	5.165
6	Thiosemicarbazone complexes of Copper (II): Structural and Biological Studies.	Subhash B. Padhye, Rajeev C. Chikate, Pramila B. Sonawane, Avinash S. Kumbhar, Ratnamala G. Yerande and Douglas X. West.	Coord. Chem. Rev.	123, 49-71 (1993)	22.315

5	Crystal and Molecular Structural of Anchored Catechol Ligand: 2,3 - Dihydroxy benzenemethanamine (2 - hydroxyl - methyl) Phenyl.	R.J.Butcher. A.S.Kumbhar, R.G.Yerande , S.B. Padhye, V.G. Puranik and S.S.Tavale	J. Cryst. Spect. Res.	22, 725 - 731 (1992)	0.603
4	Functional Models of Water Oxidation In PS II.	Subhash Padhye, Ratnamala Yerande , Ullas Hegde, V.V.Klimov, G.Ananyev, S.I.Allknerdiev and S.K.Zarmukhamed ov	Proceedings of the INDO-US Workshop on “Impact of Global Climate Changes on Photosynthesis and Plant Productivity”. Y. P. Abrol, Govindjee, P. N. Wattal, A. Gnanam, D. R. Ort and A. H. Teramura,	Eds. Oxford and IBH Publ.Co., New Delhi, pp 319-333 (1991)	--
3	Photochemical Studies on Manganese-Quinone Compounds 1. Photo induced Intramolecular Electron Transfer in Bis (aqua) Bis (phthiocolato) Manganese (II).	Ratnamala Yerande , Mahesh Mulay, Subhash Padhye, P. Ramamurthy and P.Natarajan	Indian J. Chem.	30A, 575-578 (1991)	--
2	Artificial Photosynthesis: Monomeric Quinone Complexes of Iron (II) and Manganese (II), (III), (IV) Complexes in Photo reactivation of Pea Subchloroplast Particles.	Ratnamala Yerande , Ullas Hedge, Subhash Padhye, Visktor Klimov, G. Ananyev, S.I.Allekhverdiev and S.K. Zharmukhamedov.	In ‘Recent Advances in Bioenergetic Processes’ G.S.Singhal and T.Ramasarma, eds., Today and Tomorrow Publishers	179- 184 (1991)	--
1	Characterization and Recycle Experiments on the Diacarbonyl Triiodide Iridium (II) Intermediate in the Carbonylation of Ethanol to Propionic acid.	Subhash Padhye, Ratnamala Yerande , R.P.Patil, A.A.Kelkar and R.V.Chaudhari	Inorg. Chim. Acta	156, 23-25 (1989)	2.046
Total Impact Factor					182.64

Research Publication Uploaded in July-2022 - Nil

Research Articles:

1. “Vruksha-ayurveda: Botanicals as Biopesticides”, R. S. Bendre Re-orientation Training Program, 22-27 February, 2010.
2. “Botanical Pesticides : An Emerging Trend in 21st Century” Seema R.Shimpi and **Ratnamala S. Bendre**, Chemical weekly, July 2004
3. “Biopesticides” R.S.Bendre, SOUVENIR of 18 th Annual Conference of Indian Council of Chemists (Dec 27-29, 1999) pp. 39-44.

Patents:

Title: Construction of Novel Shell Materials Using Renewable Source Based Phenol for Encapsulation of Biocide

Inventors: Bendre Ratnamala Subhash, Karandikar Pravin Sudhakar and Gite Vikas Vitthal

Patent Number & Filing Date: 201921011393 25/03/2019 (Status: Pending)

Conference / Workshop / Seminars Attended

- 1) Delivered Invited talk in Research Methodology Workshop at Vyankatrao Hiray Arts, Commerce and Science College, Panchavati, Nashik on 27th Oct 2021.
- 2) Delivered Plenary Talk- International virtual conference on “Current Scenario in Chemical Sciences (CSCS 2021)” at MJ College, Jalgaon. 6th and 7th September 2021
- 3) Delivered invited lecture on the topic “Insect Growth Regulators (IGRs) as alternatives to insecticides” in Two Day International Conference on Current Research in Applied and Fundamental Sciences - 2021 (CRAFTS - 2021), organized by, School of Science, Sandip University, Nashik, in collaboration with Microbiologists Society, India held virtually on 12th and 13th July 2021.
- 4) Invited Talk on “Science for all?” at Inauguration of Science Association at ASC College, Jamner on 6th Feb 2021.
- 5) Delivered Invited Talk at APCHNE 2020 4th IUPAC International Conference, IUPAC International Conference on Agrochemicals Protecting Crops, Health and Natural Environment – Discovery and development of synthetic and natural products for health and pests management, organized during 7th -10 Jan 2020 at IARI, New Delhi.
- 6) Keynote Speaker at “Emerging Trends in Physical Science and Chemical Sciences (ETIPSACS-2020)” held at Shirish Madhukarrao Chaudhari College, Jalgaon on 18th Jan 2020.
- 7) Delivered Popular Lecture at “National Science Day 2020” organized by School of Chemical Sciences, KBC North Maharashtra University Jalgaon on 28th Feb 2020.
- 8) Convener, National conference “Advances in Chemical Sciences (ACS-2017)” at School of Chemical Sciences, North Maharashtra University Jalgaon. 4th March 2017
- 9) Invited Talk – Exploring the Chemistry of Dream Molecules: Carvacrol in state level conference “Recent Advances in Chemical & Environmental Sciences” at Nutan Maratha College Jalgaon. 8th Dec. 2016
- 10) International Conference on GOLD-CT 2014
- 11) International Seminar on New Horizons in Cancer Research - organized during 7-8th January 2015 at Abeda Inamdar Senior College, Pune.
- 12) Third Global Sustainable Biotech Congress - organized during 1-5th December 2014 at NMU Jalgaon.

- 13) National Conference on Emerging Areas in Chemical Education and Research and National Convention of Chemistry Teachers - organized during 16-18th October 2014 at Jaipur.
- 14) Third International Conference on Chemistry for Sustainable Development: Indian Perspective-organized during 11-13th June 2014 at Dubai.
- 15) International Conference on Global Opportunities for Latest Developments in Chemistry and Technology- organized during 6-8th February 2014 at NMU Jalgaon.
- 16) Invited talk at the International Conference on Sustainable Development SSBT's College of Engineering and Technology, Bambhori, Jalgaon Feb 25-26, 2014.
- 17) First National Conference on Innovations in Chemistry –Laboratory to Society- organized on 11th March 2013 at NMU Jalgaon.
- 18) Delivered a Lecture in UGC sponsored 3rd National Conference on Recent Advances in Agrobiotechnology for Sustainable Agricultural Practices-organized during 5-6th February 2013 at MJ College, Jalgaon.
- 19) Workshop on Project, Thesis and Paper Writing in Chemistry- organized on 9th March 2012 at NMU Jalgaon.
- 20) National Conference on Nanomaterials, Industrial Polymers and Eco-friendly Coatings-Perspectives and Challenges- organized on 18th February 2012 at NMU Jalgaon.
- 21) Celebration of International Year of Chemistry 2011-organized on 26th December 2011 at NMU Jalgaon.
- 22) State Level Conference on Emerging Trends in Chemistry and Chemical Research- organized during 18-19th February 2011 at ZBP College Dhule.
- 23) National seminar on Recent Instrumental Techniques in Coordination Chemistry- organized on 23rd January 2011 at SCS College, Omerga Dist Osmanabad.
- 24) National Conference on Environmental Innovations for Resource Sustainability- organized during 21-22nd January 2011 at NMU Jalgaon.
- 25) International Conference on Pure and Applied Chemistry - organized during July 26-30th, 2010 at Mauritius.
- 26) International Conference on Emerging Trends in Chemistry - organized during January 5-7th, 2010 at University of Pune, Pune.
- 27) Invited Talk at the Reorientation Training Program By AYUSH, Ministry of Health and Family Welfare, Govt of India, 18-23 January 2010, at Regional Research Institute, Pune (MS) India.
- 28) Workshop on Role of Pesticide Application Technology in Crop Protection: Towards Sustainability in Agriculture - from January 20-22nd, 2009 organized by Institute of Pesticide Formulation Technology, New Delhi.
- 29) Workshop on Patent Awareness- organized on 4th August 2008 at NMU Jalgaon.
- 30) National Conference on Development and Analysis of Drugs- organized on 15th March 2008 at NMU 2008.
- 31) First International Conference on Agrochemicals Protecting Crop, Health and Natural Environment - IARI, New Delhi (2008)
- 32) C. V. Raman Memorial Seminar - North Maharashtra University, Jalgaon (2007)
- 33) National Seminar on Recent Trends in Inorganic and Analytical Chemistry- organized during 1-2nd September 2006 at University of Pune.
- 34) National Conference on Recent Trends in Synthetic Organic Chemistry - School of Chemical Sciences North Maharashtra University, Jalgaon (2005)
- 35) C. V. Raman Memorial Seminar - North Maharashtra University, Jalgaon (2005).
- 36) Workshop on Gas Chromatography-organized on 13th January 2001 at NMU Jalgaon.

- 37) 18th Annual National Conference of Indian Council of Chemists - Jalgaon (1999)
- 38) 32nd Annual Convention of Chemists - 1995.
- 39) Catalysis Society of India
- 40) Modern Trends in Inorganic Chemistry - IIT Madras, India, 1990.
- 41) 8th Annual National Conference of Indian Council of Chemists - Tirupati (1990)
- 42) Modern Trends in Inorganic Chemistry -TIFR Mumbai, India, 1988.

Other Seminar/Workshops:

1. Workshop on Capacity Building in Women Managers, October, 2010, NMU, Jalgaon.
2. National Seminar on Women and Health : New Paradigms March 3-5, 2008
Thiruvananthapuram.
3. Workshop on Campus Diversity Initiative-organized during 15th-18th March 2001 at
NMU Jalgaon.

Research Students: Ph.D. Awarded - 20, Submitted - 01, Working – 05+1*, M.Phil. Awarded – 02 (*Co-guide)

Sr. No.	Name of student	Category	Ph.D.	Registration Date	Degree awarded	Title of Research Work	Remark
1.	<u>Ms. Seema R. Shimpi</u>	OBC	Ph.D.	21-06-2001	03-10-2005	Chemistry Botanicals as Eco-friendly Pesticides: Extraction, Characterization and Applications.	Awarded
2.	<u>Ms. Leena S. Chaudhari</u>	Open	Ph.D.	21-06-2001	02-02-2007	Synthesis, Characterization and application of Thymol & Carvacrol derivatives as pesticides.	Awarded
3.	Mr. Anil S. Kuwar	OBC	Ph.D.	12-04-2002	31-01-2007	Synthesis, Characterization and Activities of Metal Complexes of ortho-thymoldehyde Derivatives.	Awarded
4.	Mr. Chetan M. Zade	OBC	Ph.D.	23-01-2007	25-01-2012	Biological activities of structurally modified thymol derivatives	Awarded
5.	Mr. Rakesh S. Sancheti	Open	Ph.D.	26-09-2007	25-02-2012	Synthesis, Characterization and DNA Cleavage Activity of Coordination Compounds Derived From Polydentate Ligands	Awarded
6.	Mr. Jitendra D. Bhosale	Open	Ph.D.	12-05-2008	14-08-2014	Synthesis, characterization and biological activity of Ester derivatives of 1-(3, 4-dimethyl-2, 5-dihydro-1 <i>H</i> -pyrrol-2-yl) propan-2-ol	Awarded
7.	Mr. Umesh D.Pete	OBC	Ph.D.	22-02-2011	12-07-2014	Synthesis and evaluation of biological activity of derivatives of carvacrol	Awarded
8.	Mr. Dnyaneshwar L. Ahire	SC	Ph.D.	12-05-2008	05-06-2015	Investigation on applications of Starch and its modification for safe and effective delivery system of Bioactive molecules (Pesticide)	Awarded
9.	Mr. Dipesh P. Mahajan	OBC	Ph.D.	12-05-2008	31-08-2015	Synthesis and Studies on PGR activities of Heterocyclic Compound	Awarded
10.	Mr. Jayesh R. Gujrathi	Open	Ph.D.	22-01-2009	14-01-2015	Studies on Metal Complexes of Parent and N (4) Substituted 5-chloro-2-hydroxyacetophenone thiosemicarbazone and their Adducts	Awarded
11.	<u>Ms Smita S. Patil</u>	OBC	Ph.D.	22-01-2009	26-11-2015	Studies on coordinatively saturated and unsaturated metal complexes of N-heterocyclic hydrazone ligand	Awarded
12.	Mr. Chakradhar D Hadole	OBC	Ph.D.	22-02-2011	09-04-2016	Synthesis, Characterization and antimicrobial activities of Benzimidazole derivatives.	Awarded
13.	Ms. Archana Sawale (Co-guide)	OBC	Ph.D.	26-09-2007	05-12-2016	Synthesis, Characterization and Biological Screening of Nitrogen and Sulphur Heterocycles	Awarded
14.	Mr. Jamatsing D. Rajput	NT	Ph.D.	09-02-2015	23-02-2018	Simple Tactics Towards the synthesis of natural phenolic Monoterpenoid based Biologically active derivatives.	Awarded
15.	Mr. Suresh D. Bagul	OBC	Ph.D.	09-02-2015	02-08-2018	Design and Development of Biologically Active Derivatives of Carvacrol.	Awarded
16.	<u>Ms. Samina K. Tadavi</u>	ST	Ph.D.	06-05-2013	08-09-2018	Design and development of supported transition metal complexes of O ₂ N ₂ donor ligands as oxidation catalyst	Awarded
17.	Mr. Pravin S. Karandikar	OBC	Ph.D.	09-02-2015	19-12-2019	Preparation and Characterization of Polymeric Microcapsules from Naturally occurring Phenols for Control Release of Bioactive Molecule.	Awarded
18.	<u>Ms. Pradnya S. Sathe</u>	Open	Ph.D.	09-02-2015	08-07-2019	Design and synthesis of biologically active derivatives of Thymol.	Awarded
19.	Manohar M. Patil	OBC	Ph.D.	28-11-2015	18-01-2022	Task specific synthesis of naturally occurring phenolic monoterpenoids based biologically active derivatives and their application in molecular recognition	Awarded
20.	Shashikant Pawar (Co-guide)	OBC	Ph.D.	22-02-2011	Continued	Chemical, Biological and Catalytic Study of Nitrogen Adducts of Transition Metal Complexes Involving Tetradentate Schiff Base Ligands	Working
21.	Rahul D. Patil	OBC	Ph.D.	22-05-2018	29-06-2022	Preparation of Controlled Release Formulations of Pesticides by Using Polymeric Resins Derived from Synthetic Compounds and Naturally Occurring Phenols.	Awarded
22.	Rahul T. Bhoi	N. T. (B)	Ph.D.	22-05-2018	Submitted	Synthesis, Characterization and Biological Evaluation of Some Nitrogen Based Heterocyclic Derivatives of Thymol and Carvacrol	Submitted

23.	<u>Minakshee A. Tadarwal</u>	Open	Ph.D.	22-05-2018	Continued	Synthesis Characterization and Bioefficacy of Novel Polydentate Schiff Bases and their Transition Metals Complexes	Working
24.	Santosh V. Dandge	Open	Ph.D.	22-05-2018	Continued	Synthesis, Characterization and Applications of Azo Dyes of Natural Phenols	Working
25.	Mr. Chetan Bhoi	N. T. (B)	Ph.D.	22-05-2018	Continued	Synthesis, Characterization and Biological Evaluation of Transition Metal Complexes of Novel Hydrazones Derived from Dihydralazine	Working
26.	Sumit R. Nikume	S.B.C.	Ph.D.	02-11-2020	Continued	Chemical and Biological Evaluation of Thymol, Carvacrol and Eugenol Based Sulfonyl Derivatives	Working
27.	Rohit Patil	OBC	Ph.D.	02-11-2020	Continued	Development of Cow Urine Based Fertilizer Formulations and their Efficacy Study against Standard Fertilizers.	Working

Sr. No.	Name of student	Category	M. Phil.	Registration Date	Degree awarded	Title of Research Work	Remark
1	Mr. Shashikant P. Pawar	OBC	M. Phil.	25-05-2007	01-06-2009	Synthesis, Characterization & Biological Activities of Tetradentate Schiff Base Ligands & Their copper and Zinc complexes	Awarded
2	<u>Ms. Deepmala I. Desai</u>	SC	M. Phil.	25-05-2007	27-06-2009	Synthesis, Characterization and Biological Activities of Copper (II) Complexes of Thiosemicarbazones and Heterocyclic Bases	Awarded