



FACULTY PROFILE

Name : Prof. (Dr.) Manoj R. Gaware
Date of Birth : 25th December 1980
Field of specialization : Organic Chemistry, Synthesis, Solution Chemistry, Computational Chemistry
Address for communication : Professor, Dept. of Chemistry, MVP Samaj's G.M.D Arts, B. W. Commerce and Science College, Sinnar, Nashik
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ACADEMIC QUALIFICATIONS: (only UG, PG and Ph.D.)

Degree	University / Institution	Grade / %	Year of Passing	Specialization
B.Sc.	University of Pune.Pune	75.83	2001	Che + Bot + Phy
M.Sc.	University of Pune.Pune	65.85	2003	Organic Chemistry
SET	University of Pune.Pune	-----	2004	Chemical Sciences
NET	CSIR,New Delhi	-----	2005	Chemical Sciences
Ph.D.	Savitribai Phule Pune University,Pune	-----	2017	Synthesis, Computational and Solution Chemistry

EXPERIENCE:

Name & Address of Employer	Post Held	Period of service
K.K.Wagh College,Nashik	Lecturer	July 2004-July 2005
ACS College, Kopargaon	Assistant Professor in Chemistry	July 2005-Sep 2010
ACS College, Nandgaon	Assistant Professor in Chemistry	Sep 2010 –Aug 2018
K.P.G ACS College, Igatpuri	Assistant Professor in Chemistry	Aug 2018 - Aug 2021
G.M.D Arts B.W Commerce College, Sinnar	Associate Professor in Chemistry	Aug 2021 till date

REFRESHER/ORIENTATION COURSES COMPLETED: -

Details of Course	Duration
Orientation, UGC- Academic staff College, Pune University, Pune	28 days 03/11 to 30/11/2008
Refresher, UGC- Academic staff College, H.P University, Shimla	21 days 01/04 to 21/04/2010
Refresher UGC- Academic staff College,University of Kerela, Kerala	21 days 01/10 to 22/10/2012
Short Term Course UGC-Human Resource Development Centre, Sant Gadge Baba Amravati University, Amravati.	One Week 06/11/2017 to 11/11/2017
Short Term Course “Instrumental Techniques for Chemical Analysis” under Pandit Madan Mohan Malviya National Mission on Teachers Teaching (PMMMNTT) organized by Teaching Learning Centre,S.P.P.U, Pune and Department of Chemistry, K.T.H.M College, Nashik	One Week 08/10/2018 to 14/10/2018

RESEARCH AND DEVELOPMENT

1. PUBLICATIONS IN JOURNALS :

No.	Title of the paper / Authors	Journal
2009		
1	Study of some new Pyridinium salts and their conversions into Dienes and other useful compounds Manoj R Gaware and V.D.Bobade	<i>Bulletin of Pure and Applied Sciences</i> , 2009, 28-C, (37-41).
2	Stereoselective Synthesis of (Z)-Aldoximes Manoj R Gaware and V.D.Bobade	<i>Bulletin of Pure and Applied Sciences</i> , 2009, 28-C, (25-29).
3	Comparative Study of (E) and (Z) Aldoximes Manoj R Gaware and V.D.Bobade	<i>Bulletin of Pure and Applied Sciences</i> , 2009, 28-C, (53-55).
2014		
4	¹ H Nuclear Magnetic Resonance studies Of (Z)-Aromatic aldoximes. Manoj R Gaware , D. D. Lokhande and A.M Bhagare	<i>Research Journal of Chemical Sciences</i> , 2014, 1, (31-33)
5	Computational Study of Maleanilic acid and its derivatives D.D. Lokhande, Manoj R Gaware and A.M Bhagare	<i>Research Journal of Chemical Sciences</i> , 2014, 1, (25-30)
6	Evaluation of Physico-Chemical parameters of reservoir water samples from Dindori Tehsil, Nashik. A.M Bhagare, D. D. Lokhande and M.R Gaware	<i>Research Journal of Chemical Sciences</i> , 2014, 1, (123-124)
2015		
7	Heavy Metal Contamination of Vegetables grown in and around Nashik city, Maharashtra State. A.M Bhagare, D.D. Lokhande and M.R Gaware	<i>Global online electronic interdisciplinary research journal(GOEIRJ)</i> , 2015, 04, 387-390.
2016		
8	DFT and Experimental studies of N-(4-nitrophenyl) maleimide D.D Lokhande, J.S.Aher, A.B.Sawant, S.V.Patil, M.R.Gaware.	<i>Der Pharma Chemica</i> , 2016, 8(14), 159-168

9	A Simple and Efficient Synthesis of 2,4 dioxypyrimidine carboxylate and 4-oxo-2-thioxypyrimidine carboxylate derivatives using Ammonium Chloride M.R.Gaware , J.S.Aher, D.D Lokhande, P.J.Tambade	<i>Journal of Basic Sciences</i> , 2016, 4(1), 43-46
10	Density, Viscosity of 2,4 dioxo pyrimidine carbonitrile and 4-oxo-2-thioxo pyrimidine carbonitrile in 60 % aqueous DMSO at 308.15 K J.S.Aher, M.R.Gaware , A. B. Sawant, D.D Lokhande, S.V.Patil	<i>Researchers World</i> , 2016,4(4),120-124,
11	Experimental and Theoretical studies of some N-Aryl Maleimides J.S.Aher, D.D Lokhande, S.V.Patil, A. B. Sawant, M.R.Gaware	<i>Researchers World</i> , 2016,4(4),13-25,
2017		
12	Molecular Interionic Interaction study of 4-oxo-2-thioxypyrimidine carbonitrile and its derivatives in 60 % aqueous DMSO at 308.15 K M.R.Gaware , D.D Lokhande, B. N. Shelke, J.S.Aher	<i>Scholarly Research Journal for Interdisciplinary Studies</i> , 2017 6(21), 92-97
13	Density and Viscosity study of some 4-substituted N-Phenyl Maleimides in 80% DMSO at 308.15 K D.D Lokhande, J.S.Aher, A.B. Sawant, M.R.Gaware , A. V. Kardel	<i>Scholarly Research Journal for Interdisciplinary Studies</i> , 2017, 6(21), 137-141,
14	Experimental and density functional theory investigation of bond length , bond angle and thermodynamic parameters in dihydropyrimidine carbonitrile J.S Aher, M. R. Gaware , D.D. Lokhande	<i>Scholarly Research Journal for Interdisciplinary Studies</i> , 2017, 4(31), 5116-5128,
15	Densitometric and Viscometric studies of 2, 4 dioxo pyrimidine carbonitrile and 4-oxo-2-thioxo pyrimidine carbonitrile in 60 % aqueous DMSO at 298.15 K. J.S Aher, M. R. Gaware , D.D. Lokhande	<i>International Journal of Engineering Research and General Science</i> , 2017, 5(4), 13-19.

16	Experimental and Computational Studies of N-(4-Bromophenyl) Maleanilic Acid and N-(4-Bromophenyl) Maleimide J.S Aher, D.D. Lokhande, M. R. Gaware	<i>International Journal of Chemical and Physical Sciences</i> , 2017, 6(4), 58-70
17	A simple and efficient one pot synthesis of 2,4 dioxypyrimidine carbonitrile and 4-oxo-2-thioxypyrimidine carbonitrile derivatives using ammonium chloride under solvent free conditions M.R.Gaware , J.S.Aher, D.D Lokhande, P.J.Tambade, A. M Bhagare	<i>Indian Journal of Chemistry-B</i> , 2017, 56(B)09, 997-999
2018		
18	Falkenhagen and Jones –Dole Coefficient studies of 2,4 dioxo pyrimidine carbonitrile and 4-oxo-2-thioxo pyrimidine carbonitrile in 60 % aqueous DMSO at 303.15 K M.R.Gaware , J.S.Aher	<i>International Journal of Chemical and Physical Sciences</i> , 2018, 7(Spl Issue), 89-96.
19	Study of Density Functional Theory of (4-hydroxyphenyl) pyrimidine-5-carbonitrile J.S. Aher, A.V. Kardel, M.R.Gaware , D.D.Lokhande	<i>International Journal of Chemical and Physical Sciences</i> , 2018, 7(Spl Issue), 165-173.
20	Experimental and Theoretical spectral study of 4-amino-2-hydroxy-6-phenylpyrimidine-5-carbonitrile J.S. Aher, A.V. Kardel, M.R.Gaware , D.D.Lokhande	<i>International Journal of Chemical and Physical Sciences</i> , 2018, 7(Spl Issue), 174-180.
21	Determination Of Solute-Solute And Solute-Solvent Interactions Of 4-Oxo-2-Thioxo Pyrimidine Carbonitriles In 60% Aqueous DMSO At	<i>Bulletin of Pure and Applied Sciences</i> ,

	303.15 K. M.R.Gaware	<i>2018, 37-C(2), 76-81</i>
22	Apparent molar volumes and viscosity coefficient studies of 2, 4 dioxo pyrimidine carbonitrile and 4-oxo-2-thioxo pyrimidine carbonitrile in 60% aqueous DMSO at 313.15 K M.R.Gaware	<i>International Journal of Basic and Applied Research, 2018, 8(6), 809-818</i>
2019		
23	Experimental and Density Functional Theory of 4-Amino -2-Mercapto-6-Phenylpyrimidine-5-Carboxamide J.S.Aher, A.V. Kardel, M.R.Gaware , D.D. Lokhande	<i>Journal of Biological and Chemical Chronicles, 2019, 5(3), 13-18</i>
24	Biological Activities of Synthesized Dihydropyrimidine Carboxylates and its Derivatives M.R.Gaware , P.J. Tambade, B.N. Shelke	<i>Journal of Biological and Chemical Chronicles, 2019, 5(3), 47-49</i>
25	Partial Molar Volumes and Viscosity B-coefficient of 4-oxo-2-thioxopyrimidine carbonitrile and derivatives in 60 % aqueous DMSO at 313.15 K M.R.Gaware	<i>International Journal of Research and Analytical Reviews, 2019, 6(1), 116-121</i>
26	One Pot Synthesis of Pyrimidine-5- Carbonitrile and Pyrimidine-5-Carboxamide using Ammonium Chloride Under Solvent Free Condition J.S.Aher, A.V. Kardel, M.R.Gaware , D.D. Lokhande, A.M Bhagare	<i>Journal of Chemical Sciences, 2019, 131(07), 54-57</i>
27	Density Functional Theory Investigation of Bond Length, Bond Angle and Thermodynamic Parameters in 4-Amino-2-Hydroxy-6-Phenylpyrimidine-5 Carboxamide J.S.Aher, A.V. Kardel, M.R.Gaware , D.D. Lokhande, A.M Bhagare	<i>Current Pharma Research 2019, 403, 26-37</i>
28	A Simple, Green and Expendious Synthesis of Salen of 2-Hydroxy -1-Naphthaldehyde with ethylene Diamine in Water and its Complexation with various transition metal (Co, Cu, Fe, Ni) exploring ultra sound waves.	<i>Journal of Advanced Science Research, 2019, 10(04), 48-52</i>

	P.J. Tambade, B.N. Shelke, S.S. Kushare, M.R.Gaware	
2020		
27	Gaussian Software: An effective tool for theoretical study of molecular properties M.R.Gaware, J.S.Aher	<i>Akshar Wangmay, 2020, 69-76</i>
28	Novel Schiff bases derived from N-aryl maleimide derivatives as an effective antimicrobial agent: Theoretical and experimental approach J.S.Aher, A.M. Bhagare, M.R.Gaware , A.V. Kardel, , D.D. Lokhande, A. D. Bholey, A. C. Dhayagude	<i>Bioorganic Chemistry, 2020, 103, 104129-11</i>
29	Thermodynamic studies of 6-(4-chlorophenyl)-1,2,3,4- tetrahydro-2,4-dioxypyrimidine-5-carbonitrile in 60% DMSO in the temperature range 298 to 313 K M.R.Gaware	<i>Journal of Polymer and composite, 2020, 8(2), 78-81</i>
30	Synthesis of some new Schiff Bases of N-aryl 3- and 4- substituted Maleimides A M Bhagare, J.S. Aher, D D Lokhande, M R Gaware , A V Kardel	<i>Journal of Research and Development, 2020, 10(10),266-274</i>
31	Thermodynamics Studies for 6-(4-chlorophenyl)-1,2,3,4-tetrahydro-4-oxo-2-thioxypyrimidine-5-carbonitrile in 60% Dimethyl Sulphoxide at Different Temperatures M. R. Gaware	<i>Oriental Journal Of Chemistry, 2020, 36(6), 1240-1242</i>
32	Ammonium Chloride as an Effective Catalyst for the Synthesis of Biologically Active Dihydropyrimidopyrimidine Carboxylates M.R.Gaware , Arun Bhagare, Dnyaneshwar Lokhande	<i>Indian Journal of Heterocyclic Chemistry, 2020, 30(4), 621-624</i>
2021		
33	Studies of molar refraction and polarizability constant of 6-(4-chlorophenyl)-1,2,3,4-tetrahydro-2,4-dioxypyrimidine-5-carbonitrile in 60% DMSO in the temperature range 298 to 313 K M.R.Gaware	<i>Indian Journal of Science and Technology, 2021 14(2), 113-118</i>
34	Conductance and solvent behaviour of 6-(4-chlorophenyl)-1, 2, 3, 4-	<i>Eurasian Chemical</i>

	tetrahydro-2, 4-dioxypyrimidine-5-carbonitrile in 60% DMSO at different temperatures M.R.Gaware	<i>Communication, 2021, 3, 187-192</i>
35	Determination of Solute-solute and solute-solvent interaction of Pyrimidine-5-carbonitrile in aqueous DMSO at 298.15 K J.S.Aher, A.V. Kardel, M.R.Gaware , D.D. Lokhande, A.M Bhagare	<i>Current Physical Chemistry, 2021, 11(2), 132-138</i>
36	Concentration and temperature dependence of the thermodynamic properties of novel biologically active 3-substituted Schiff's base of 4-Piperidyl N-(4-chlorophenyl) maleimide J.S.Aher, A.M. Bhagare, M.R.Gaware , A.V. Kardel, , D.D. Lokhande, A. D. Bholey, A. C. Dhayagude, K.S. Mahale	<i>Asian Journal of Chemistry, 2021, 33(6), 1403-1408</i>
2022		
37	Study Of Electrical Properties And Solvent Behaviour Of 6-(4-Chlorophenyl)-1, 2, 3, 4-Tetrahydro-4-Oxo-2-Thioxopyrimidine-5-Carbonitrile At Different Temperatures. M.R.Gaware	<i>Rasayan Journal of Chemistry, 2022, 15(1), 432-436</i>
38	Acid-Base Modified Biosorbent for Heavy Metal Removal- A Review B. N. Shelke, M. K. Jopale, M.R.Gaware , A.H. Kategaonkar	<i>Asian Journal of Organic and Medicinal Chemistry 2022, 7(2), 7-15</i>

2. PUBLICATIONS IN CONFERENCE :

- Paper presentation in International Conference on “Current Research in Applied and Fundamental Sciences” at Sandip University on 12/07/2021 to 13/07/2021.
- Paper presentation in National Conference on “Emerging Trends in Chemistry and Materials Science (ETCMS-2019)” G.M.D Arts, B.W. Commerce and Science College, Sinnar” on 18/01/2019 to 19/01/2019.

- Paper presentation in Interdisciplinary National Conference on “Computer Applications and Use of Recent Techniques in Science” at Karmaveer Shantarambapu Kondaji Wavare Arts, Science and Commerce College, Cidco, Nashik” on 28/12/2018 to 29/12/2018.
- Paper presentation in International Level Conference on “Advances in Functional Materials (ICAFM-2018)” at K.T.H.M College, Nashik” on 12/01/2018 to 13/01/2018.
- Paper presentation in International Level Conference on “Challenges in Organic, Bio-organic and Medicinal Chemistry ” at K.S.K.W Arts, Science and Commerce college, Cidco, Nashik sponsored by BCUD, S.P Pune University and IEEEEP on 02/02/2017 to 04/02/2017.
- Paper presentation in International Level Conference on “Pure and Applied Sciences 2016” at M.S.G Arts, Science and Commerce college, Malegaon sponsored by BCUD, S.P Pune University on 12/12/2016 to 14/12/2016
- Paper presentation in National Level Conference on “Innovative Research Techniques in Chemical and Physical Sciences” at S.S.G.M College, Kopargaon,Ahmednagar sponsored by U.G.C New Delhi on 07/08/2015 to 08/08/2015.
- Paper presentation in National Level Conference on “Environment and Education” at Adv.V.H College of Education, Nashik, on 10/11/2015 to 11/11/2015

3. BOOK PUBLISHED

Sr.No	Title of Book	Publisher	ISBN No	Place of Publishing	Year
01	Synthesis of Z-Aldoximes and its Non Aqueous Beckmann Rearrangement	Lambert Academic Publishing, Germany	978-620-0-47435-3	International	2019
02	Physical and Analytical Chemistry (Sem III) CBCS pattern	Prashant Publication	978-93-89501-65-0	National	2020
03	Chemistry Practical (Sem III) CBCS pattern	Prashant Publication	978-93-89501-65-0	National	2020

04	Physical and Analytical Chemistry (Sem IV) CBCS pattern	Prashant Publication	978-93-89501-65-0	National	2020
05	Chemistry Practical (Sem IV) CBCS pattern	Prashant Publication	978-93-89501-65-0	National	2020
06	Physical Chemistry -I (Sem V) CBCS pattern	Prashant Publication	978-93-89501-65-0	National	2021
07	Chemistry Practical (Sem V) CBCS pattern	Prashant Publication	978-93-89501-65-0	National	2021
08	Physical Chemistry-II (Sem VI) CBCS pattern	Prashant Publication	978-93-89501-65-0	National	2022
09	Physical Chemistry-III (Sem VI) CBCS pattern	Prashant Publication	978-93-89501-65-0	National	2022
10	Chemistry Practical (Sem VI) CBCS pattern	Prashant Publication	978-93-89501-65-0	National	2022
11	Molar Volumes and Jone Dole Coefficients of Dihydropyrimidines and its Derivatives	Astral International Private Limited	978-93-5461668-6	National	2022
12	Organic Chemistry	Good Writers Publication	978-93-5756-028-3	National	2023

4. RESEARCH PROJECTS

Research Project Title	Completed/ Ongoing	Funding Agency	Funds (Amount in Rs.)
Synthesis and Characterization of aryl oximes and their non aqueous convenient protocol study for Beckmann Rearrangement” funded by UGC, New Delhi.	Completed	UGC, New Delhi	65,000/-

5. PATENTS:

S.N	Title of the Patent	National/ International	Patent No.	Funding Agency	Details of Patent
1	Medicinal Plant Leaf Extracts That Are Used To Treat Plant Diseases Were Put Up Against Each Other In A Physicochemical Test	National	202221039793	-	Published
2	The Effect Of Population Explosion On Reservation System	National	202321003518	-	Published

6. CONSULTANCY

Title of the Project	Funding Agency	Grant sanctioned	Duration		Project Status completed / on-going
			From	To	
Synthesis and Characterization of new analog of pyrimidine derivatives	Hexa Life Sciences	50,000	2020	2021	Completed

7. RESEARCH GUIDANCE:

Ph. D.

Name of the Scholar	Title of the Thesis	Submitted/ Awarded (Pls. Specify)	Name of the University	Month and Year
-	-	-	-	-

8. DETAILS OF SEMINAR/CONFERENCE/WORKSHOPS PARTICIPATED

Title of Seminar	Venue and other details	Mode of participation
State Level Workshop on “Theoretical and Experimental Aspects of Flame Emission Spectroscopy and Gas Chromatography”.	L.V.H Mahavidyalaya sponsored by University of Pune on 15/03/2005.	Participation
State Level Conference on “Recent Trends in Synthetic Organic Chemistry”	S.S.G.M College Kopargaon sponsored by UGC, New Delhi on 09/03/2006 to 11/03/2006	Participation
State Level Conference on “Recent Trends in Synthetic Organic Chemistry”	S.S.G.M College Kopargaon sponsored by UGC, New Delhi on 16/02/2007 to 17/02/2007.	Participation
State Level Workshop on “Restructuring of F.Y.BSc. Chemistry	Agasti Arts , Commerce and Dadasaheb Rupwate Science	Participation

Syllabus”	College, Akole sponsored by University of Pune on 13/12/2007.	
National Level Symposium on “Interface of Teachers and Students with Chemical Industries.”	K.T.H.M college Nasik sponsored by University of Pune, UGC, WRO,Pune on 26/12/2007 to 28/12/2007..	Participation
National Level seminar on “Value Education”	K.J.Somaiya College of Arts, Sci and Com. College, Kopergaon ,Ahmednagar, sponsored by UGC, on 17/3/2008 to 18/3/2008.	Participation
National Level seminar on “Progressive Journey of Drug from Mind to Market”	PVP College of Arts,Sci and Com. College, Loni , Ahmednagar, sponsored by University of Pune, on 18/12/2008 to 20/12/2008.	Participation
State Level seminar on “Scope and Application of Chemistry in Agriculture”	K.K.Wagh College,Pimpalgaon (B) sponsored by University of Pune on 27/01/2009 to 28/01/2009.	Participation
State Level seminar on “Spectroscopic Trends in Organic and Inorganic Chemistry”	S.S.G.M College,Kopergaon ,sponsored by UGC(WRO,Pune) on 24/02/2009 to 25/02/2009.	Participation
National Level seminar on “Nanoscience”.	G.M.D Arts,B.W.Com and Science College Sinnar ,Nashik, sponsored by UGC,New Delhi on 21/01/2010 to 23/01/2010	Participation
State Level seminar on “Recent Trends in Synthetic Organic Chemistry”	Radhabai Kale Mahila Mahavidyalaya ,Ahmednagar Sponsered by UGC,New Delhi on 28/01/2010 to 29/01/2010	Participation

National Level Conference on “Application of Chemical Research in Pharmaceutics”	Arts,Commerce and Science College, Rahata,, Ahmednagar, sponsored by BCUD, University of Pune, on 04/02/2011 to 06/02/2011	Participation
State Level seminar on “ Contemporary Issues in Environment”	Arts, Commerce and Science College, Saikheda, Niphad, Nashik sponsored by BCUD, University of Pune, on 07/02/2011 to 08/02/2011	Participation
National Level seminar on “Advances in Synthetic and applied Chemistry”	Sangamner College, Sangamner, Ahmednagar, sponsored by UGC(WRO,Pune) on 06/09/2012 to 08/09/2012	Poster Presentation
State Level Workshop on “E-learning: Resources, application and Effectiveness”	K. K. Wagh College, Pimpalgaon (B) sponsored by University of Pune.on 28/03/2012.	Participation
State Level seminar on “Applications of Synthetic Chemistry”	Arts,Commerce and Science College,Dindori,Nashik,sponsored by BCUD, University of Pune.on 01/03/2013 to 01/03/2013.	Poster Presentation
Workshop on “Framing of S.Y.B.Sc Chemistry syllabi”	K.T.H.M College, Nashik, sponsored by University of Pune on 31/12/2013	Participation
International Workshop on “Introduction of Gaussian :Theory and Practice”	IISER, Pune, on 12/12/2014 to 16/12/2014	Participation

National Level Conference on “Current Innovations in Chemical Research”	K.J.Somaiya College, Kopargaon, Ahmednagar sponsored by BCUD, Savitribai Phule Pune University, Pune on 22/12/2014 to 23/12/2014	Poster and Paper Presentation
National Level Conference on “Innovative Research Techniques in Chemical and Physical Sciences”	S.S.G.M College, Kopargaon, Ahmednagar sponsored by U.G.C New Delhi on 07/08/2015 to 08/08/2015.	Participation
National Level Conference on “Environment and Education”	Adv.V.H College of Education, Nashik, on 10/11/2015 to 11/11/2015	Paper Presentation
State Level seminar on “Optical Activity and Stereo Chemistry”	K. K. Wagh Arts, Commerce and Science College, Pimpalgaon Baswant. Niphad, Nashik, sponsored by BCUD, University of Pune .on 19/01/2016 to 20/01/2016.	Participation
Workshop on “Overview on Analytical Instrumentation	K.T.H.M. College Nashik sponsored bt BSR Technologies Pvt Ltd, Nashik on 13/08/2016	Participation
International Level Conference on “Pure and Applied Sciences 2016”	M.S.G Arts, Science and Commerce college, Malegaon sponsored by BCUD, S.P Pune University on 12/12/2016 to 14/12/2016.	Paper Presentation
International Level Conference on “Challenges in Organic, Bio-organic and	K.S.K.W Arts, Science and Commerce College, Cidco, Nashik	Paper Presentation

Medicinal Chemistry ”	sponsored by BCUD, S.P Pune University and IEEEEP on 02/02/2017 to 04/02/2017.	
International Level Conference on “ Advances in Functional Materials (ICAFM-2018)	K.T.H.M College on 12/01/2018 to 13/01/2018	Paper Presentation
Interdisciplinary National Conference on “Computer Applications and Use of Recent Techniques in Science”	Karmaveer Shantarambapu Kondaji Wavare Arts, Science and Commerce College, Cidco, Nashik on 28/12/2018 to 29/12/2018.	Paper Presentation
National Conference on “Emerging Trends in Chemistry and Materials Science (ETCMS-2019)	G.M.D Arts, B.W. Commerce and Science College, Sinnar on 18/01/2019 to 19/01/2019.	Paper Presentation
One Day workshop on “Implementation of CBCS for F.Y.B.Sc.	C.T. Bora College of Arts, Commerce and Science, Shirur. Dist: Pune on 25/07/2019	Participation
National Program of Teaching Tools in Basic Chemistry	Dadasaheb Bidkar Arts, Commerce and Science College. Peth. Nashik on 26/12/2019 to 28/12/2019	Participation
State level Seminar on “Use of ICT in teaching, learning and Management of Institution	G.M.D Arts, B.W. Commerce and Science College, Sinnar on 18/01/2020 to 19/01/2020.	Paper Presentation

One Day workshop on “Revision of S.Y.B.Sc. Chemistry syllabus (CBCS)	S.V.K.T Arts, Commerce and Science College, Deolali Camp on 25/02/2020	Participation
Spitting Kills Campaign to prevent spread of Covid-19	Alemelu charitable foundation in April-May 2020	Participation
State Level Webinar Series on “Health Awareness”	M.V.P. Samaj’s K.S.K.W Arts Commerce and Science College, Cidco, Nashik from 01/06/2020 to 06/06/2020	Participation
Teacher Training Program on “Designing Interactive Virtual Chemistry Practical using Power point	PDEA’s Prof. Ramkrishna More Arts, Commerce and Science College, Akurdi, Pune on 7/05/2021 to 08/05/2021	Participation
International Conference on Current Research in Applied and Fundamental Sciences	Sandeep University on 12/07/2021 to 13/07/2021	Participation
Teacher workshop on “New Revised Syllabus of T.Y.B.Sc. Chemistry S.P.P.U Pune	Department of Chemistry, Prof. Ramkrishna More Arts, Commerce and Science College, Akurdi, Pune on 30/08/2021	Participation
State Level Webinar on Intellectual Property Right and Research Impact	M.V.P Samaj’s K.P.G Arts, Commerce and Science College, Igatpuri on 26/10/2021	Participation
Webinar on IP awareness/ Training program under National Intellectual Property Awareness Mission	M.V.P. Samaj’s K.S.K.W Arts Commerce and Science College, Cidco, Nashik on 01/03/2022	Participation
Impact Lecture series (Session –I)	K. J. Somaiya Arts, Commerce and Science College. Kopargaon	Participation

	on 04/07/2022	
Impact Lecture series (Session –II)	K. J. Somaiya Arts, Commerce and Science College. Kopargaon on 26/07/2022	Participation
Workshop on National Education Policy -2020	M. V. P. Samaj's Human Resource Development Center, Nashik on 11/02/2023	Participation

9. REVIEWER AND EDITORIAL: -

- a) Potential Reviewer for Malaysian Journal of Chemistry
- b) Potential Reviewer for Letters in Organic Chemistry
- c) Member of Editorial Board for Letters in Organic Chemistry
- d) Reviewer for InSc- International Journal of Basic and Applied Sciences.
- e) Potential Reviewer of Oriental Journal of Chemistry
- f) Potential Reviewer for Walailak Journal of Science and Technology
- g) Member of Editorial Board for Journal of Modern Polymer Chemistry and Materials
- h) Potential Reviewer for Journal of Pharmaceutical Research International.

10. ACADEMIC AFFILIATIONS / MEMBERSHIP OF PROFESSION BODIES:-

- a) Professional Member for Institute of Scholars (InSc)
- b) Member of College Development Committee for Shikshan Mandal Bhagur Arts, Commerce and Science College, Deolali Camp. Nashik
- c) Member of College Development Committee for Maratha Vidya Prasarak Samaj's Karmaveer Punjababa Goverdhane Arts, Commerce and Science College, Igatpuri. Nashik.
- d) Member of College Development Committee for Maratha Vidya Prasarak Samaj's G.M.D. Arts, B.W. Commerce and Science College, Sinnar. Nashik.

11. AWARDS & HONOR: 1) State Level Vasantrya Naik Award-2019.

2) National Level "Best Teacher Award" by Education Excellence

Award-2020, New Delhi

- 3) National Level “Academic Excellence award” by InSc Awards, Bangalore
- 4) National Level “Best Faculty Award” by Science and Technology Award-20, New Delhi
- 5) National Level “Contribution to Education Community” Global Teaching Excellence Award 2020, New Delhi
- 6) International Best Researcher Award for Research Paper “Studies of molar refraction and polarizability constant of 6-(4-chlorophenyl)-1,2,3,4-tetrahydro-2,4-dioxypyrimidine-5-carbonitrile in 60% DMSO in the temperature range 298 to 313 K”

12. CO-CURRICULAR/EXTRA CURRICULAR & OTHER ACTIVITIES:

- Online teaching by using ZOOM app, Google meet
- Online test by google forms
- Guidance for IIT-JAM for undergraduate students
- Participation in online webinars
- Use of teaching material for students using Google Classroom

a. SEMINAR/WORKSHOP ORGANIZED

Title of Programme	Duration
Recent Developments and Future Challenges in Chemical Sciences	22-23 rd January 2016

b. DETAILS OF LECTURE DELIVERED IN SEMINAR/CONFERENCE/EXPERT LECTURES:

- Delivered Expert lecture talk on “Biomolecules” at K. K. Wagh Arts, Commerce and Science College, Nashik

- Delivered Expert lecture talk on “Investigation of molecular study and Phase rule” at Arts, Commerce and Science College, Nandgaon. Nashik
- Delivered Expert lecture talk on “Phase Rule” at K. K. Wagh Arts, Commerce and Science College, Nashik
- Delivered Expert lecture talk on “Adsorption” at K. K. Wagh Arts, Commerce and Science College, Nashik
- Delivered Expert lecture talk on “Stereochemistry” Arambh Arts, Commerce and Science College, Nashik

c. COLLEGE COMMITTEES

- Worked as Chairman for Science Association from 2013 to 2015
- Member of IQAC committee
- Member of admission committee
- Worked as member of organizing committee for International Conference for Biodiversity: Utilization and Conservation
- Worked as coordinator of teacher parent meet for F. Y. B.Sc & T. Y. B. Sc. class.
- Worked as jury member for science Poster Competition
- Worked as jury member for Annual Gathering
- Worked as jury member for Annual Sports
- Worked as member of Health Checking Committee for F.Y.B.Sc Students
- Worked as member of organizing committee for State level Seminar for Recent Advances and Opportunities for Animal Sciences
- Worked as member of organizing committee for International Conference for Mathematical Tools for Development of Physical Sciences
- Worked as member of Publicity Committee
- Worked as member of organizing committee for Inter collegiate Science Quiz Competition
- Worked as member of organizing Periodic Table Competition
- Worked as member of Library Vachan Sanskruti Committee
- Worked as member of Reservation Cell
- Worked as member of Harassment Committee

- Worked as member of Alumni Committee
- Worked as member of Placement Committee

d) Community Services:

- Started Soil and Water Testing laboratory in college.
- Participates in tree plantation programme
- Participated in different rallies such as road safety, AIDS, Environment day etc
- Participated in Blood Donation Camp.
- Attended short term course on “Gender Sensitization