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Research Area :

- 1. Synthetic and Heterocyclic Chemistry**
- 2. Pharmaceutical Manufacturing**
- 3. Solvent extraction and coordination Chemistry**
- 4. Organometallic Chemistry**

Qualification	1) M.Sc. (Organic Chemistry). Poona University. 2) M.Sc. (Subject Communication). Y. C. M .O. U .Nasik. 3) Ph. D (Chemistry). Mumbai University.
Research Papers presented in Conferences	27
Research Papers Published in Journals	22
Guided M.Sc (By Research) Students	02
Ph.D. Students	05

Publications

Sr. No	Author's Name	Title	Journal	ISSN No.	Vol. Yr page
1.	R.S. Lokhande , Utkarsha M. Chavan and Ratnamala P. Sonawane	Development of method for Extractive Spectrophotometric Determination of Ni(II) with 1-Naphthalene carboxamide, 2-Hydroxy-Phenyl Hydrazone as an analytical reagent	Bull. Che. Sci.	0973-8134	Vol VII Issue I P.P.61-65, 2009
2.	R.S. Lokhande Ratnamala P. Sonawane and Utkarsha M. Chavan	Development of method for Extractive Spectrophotometric Determination of Cu(II) with Hydrazine Carboxamide-2-[(2-Hydroxy-1-Naphthalenyl)	Int. J. Chem. Sci.	0972-768X	9(2), 2011, 503-509.

		Methylene] as an analytical reagent.			
3.	R.S. Lokhande Ratnamala P. Sonawane and Utkarsha M. Chavan	Analytical method development for Extractive Spectrophotometric Determination of Co (II) with Hydrazine Carboxamide-2-[(2-Hydroxy-1-Naphthalenyl) Methylene] as an analytical reagent.	Int. J. Chem. Sci.	0972-768X	10(1),2012, 342-348
4.	R.S. Lokhande and Ratnamala P. Sonawane	Use of Hydrazine Carboxamide-2-[(2-Hydroxy-1-Naphthalenyl) Methylene] as an analytical reagent for Extractive Spectrophotometric Determination of Nickel(II)	Int. J. Chem. Sci.	0972-768X	10(1), 2012,391-398.
5.	R.S. Lokhande and Ratnamala P. Sonawane	Synthesis of Hydrazine Carboxamide-2-[(2-Hydroxy-1-Naphthalenyl) Methylene] as an analytical reagent for Extractive Spectrophotometric Determination of Fe(II)	Res. J. Pharm, Bio and Chem. Sci.	0975-8585	3 (2), 2012, 27-33.
6.	Ratnamala P. Sonawane	Comparative study of chemical synthesis of dihydropyrimidine (DHPMS) derivatives by Biginelli Reaction using microwave irradiation and conventional method.	Int. Letts. of Chem, Phy and Astrology.	2299-3843 Index Copernicus International (Ic value for 2013)=8.24	5(2013) 7-11.
7.	Ratnamala P. Sonawane, Rahul Tripathi	The Chemistry and synthesis of 1H- indole-2,3-dione(isatin) and its derivatives	Int. Letts. of Chem, Phy and Astrology.	2299-3843	7(2013) 30-36.
8.	R.S. Lokhande , Utkarsha M. Chavan and Ratnamala P. Sonawane	Development of method for extractive spectrophotometric determination of Co (II) with 2-hydroxy- 1-naphthalene carboxaldehyde phenyl hydrazone as an analytical reagent	Int. J. Chem. Sci.	0972-768X	11(1), 2013, 436-442.
9.	R.S. Lokhande ,	Development of method for extractive spectrophotometric	Int. J.	0972-768X	11(1), 2013, 598-

	Utkarsha M. Chavan and Ratnamala P. Sonawane	determination of Ni (II) with 2-hydroxy- 1-naphthalene carboxaldehyde phenyl hydrazone as an analytical reagent	Chem. Sci.		604.
10.	Ratnamala P. Sonawane, R.S. Lokhande and, Utkarsha M. Chavan	Development of method for extractive spectrophotometric determination of Cu (II) with 2-hydroxy- 1-naphthalene carboxaldehyde phenyl hydrazone as an analytical reagent	Int. Letts. of Chem, Phy and Astrology.	2299-3843	9(1),(2013), 1-6.
11.	Ratnamala P. Sonawane, R.S. Lokhande and, Utkarsha M. Chavan	Development of method for extractive spectrophotometric determination of Fe (III) with 2-hydroxy- 1-naphthalene carboxaldehyde phenyl hydrazone as an analytical reagent	Int. Letts. of Chem, Phy and Astrology.	2299-3843	9(1),(2013), 7-12.
12.	Ratnamala P. Sonawane, Rahul Tripathi	An Extraction of the Isatin from the Couroupita Guianensis (Cannanball tree) and a novel synthesis of N-N'-(2-oxo-3'H-spiro[Indoline-3,2'-[1,3,4]thiadiazol]-3'-5'-diyl]diacetamide from the Isatin.	Int. Letts. of Chem, Phy and Astrology.	2299-3843	10(2),2013, 119-125.
13.	Ratnamala P. Sonawane	Synthesis and Characterisation of 1H- indole-2,3-dione(isatin) and its Novel derivatives	Asian J. of Biochemical and Pharmaceutical Research.	2231-2560 Global Impact factor 0.456 Scientific journal Impact factor 2.56	Issue 1 Vol 4(2014), 129-134
14.	Ratnamala P. Sonawane	Green synthesis of pyrimidine derivative	Int. Letts. of Chem, Phy and Astrology.	2299-3843	2(2014), 64-68.
15.	Ratnamala P. Sonawane	Use of Hydrazine Carboxamide-2-[(2-Hydroxy-	British journal of	2231-2919	4(14): 1762-1771,

		1-Naphthalenyl) Methylene] as an analytical reagent for extractive spectrophotometric determination of U (VI)	Pharmaceutical Research.		2014.
16.	Ratnamala P. Sonawane	Comparative study of pyrimidine derivatives by using Grindstone Chemistry Technique and Conventional method.	Int. Letts. of Chem, Phy and Astrology.	2299-3843	14(1) 2014,22-27
17.	Ratnamala P. Sonawane, Atul Singh, Ritima Singh	Comparative study and chemical synthesis of dihydropyrimidine derivatives by Biginelli Reaction using microwave irradiation and conventional method.	Xplore, Xavier's Research Journal.	2249-1878	Vol 4 Issue1, 113-121, Jan 2014.
18.	Ratnamala P. Sonawane, Ritima Singh	Use of 2-[4-(1, 3-benzoimidazole-2-yl) phenyl] imino]-5- nitro phenol as an analytical reagent for extractive spectrophotometric dertermination of Cu (II)	World Journal of Pharmaceuti cal Sciences	2321-3086 Impact Factor 2.819	3(10):2119-2124, 2015.
19.	Ratnamala P. Sonawane, Atul Kumar Singh.	Development of method for extractive spectrophotometric determination of Cu (II) with of 2-[2-(4-chloro benzothiozole) imino]-5- nitro phenol as an analytical reagent	Internationa l Research Journal of Natural and Applied Sciences.	2349-4077 Impact Factor 2.818	2(10), Oct 2015, 1-11.
20	Ratnamala P. Sonawane, Ritima Singh	Development of method for extractive spectrophotometric determination of Fe (II) with of 2-[4-(1, 3- benzoimidazole-2-	Internationa l Research Journal of Natural and Applied	2349-4077 Impact Factor 2.818	2(10), Oct 2015, 71-81.

		yl) phenyl} imino] -5- nitro phenol as an analytical reagent	Sciences		
21	Ratnamala P. Sonawane, Atul Kumar Singh	Development of method for extractive spectrophotometric determination of Fe (II) with of 2-[2-(4-chloro benzothiozole) imino]-5- nitro phenol as an analytical reagent	World Journal of Pharmaceutical Sciences	2321-3086 Impact Factor 2.819	3(12):2340-2347, 2015.
22	Ratnamala P. Sonawane	Development of method for extractive spectrophotometric determination of Cu(II) with of 2-[4-(1, 3- benzoimidazole-2-yl) phenyl} imino] -5- nitro phenol as an analytical reagent	International journal of researchers in Biosciences agriculture and technology IJRBAT	ISSN2347-517X	Issue 7, Nov 2015,174-177.

Paper presentations in National/ International Conferences

Presentations

Sr. No.	Name	Name of Paper	Conference	Held at	Date and year
1.	Ratnamala P. Sonawane, and R.S. Lokhande	Solvent extraction in photometric determination of Co (II) with Hydrazine Carboxamide-2-[(2-Hydroxy-1-Naphthalenyl) Methylene] as an analytical reagent	45 th Annual Convention of Chemists 2008 of Indian Chemical Society held	P.G. Department of Studies in Chemistry, Karnataka University, Darwad, Karnataka	November 23-27 Nov, 2008.
2.	Ratnamala P. Sonawane and R.S. Lokhande	Solvent extraction and Spectrophotometric	International Conference On NANOMATERIALS	Department of Chemistry and Department of	December 9-11, 2008.

		determination of Fe (II) using Hydrazine Carboxamide-2-[(2-Hydroxy-1-Naphthalenyl) Methylene] as an analytical reagent	&APPLICATIONS (ICNAMA2008)	Physics, Shivaji University, Kolhapur (Maharashtra State, India).	
3.	Ratnamala P. Sonawane and R.S. Lokhande	Use of Hydrazine Carboxamide-2-[(2-Hydroxy-1-Naphthalenyl) Methylene] as an analytical reagent for the extractive spectrophotometric determination of Nickel (II)	Proceedings of the 2008 of Indian Council of Chemistry	Department of Chemistry, University, Haridwar and Indian Chemical Society.	December, 26-28, 2008.
4.	Ratnamala P. Sonawane and R.S. Lokhande	Hydrazine Carboxamide-2-[(2-Hydroxy-1-Naphthalenyl) Methylene] as an analytical reagent for the extractive spectrophotometric determination of U (VI)	28 th Annual conference 2009 of Indian Council of Chemists	Hemachandra North Gujarath University, patan	7-10, Nov. 2009.
5.	Ratnamala P. Sonawane and R.S. Lokhande	Hydrazine Carboxamide-2-[(2-Hydroxy-1-Naphthalenyl) Methylene] as an analytical reagent for the extractive spectrophotometric determination of Cu (II)	46 th Annual Convention of Chemists and International Conference on recent Trends in Chemical Sciences 2009 of Indian Chemical Society	Chemistry division, School and Humanities VIT University, Vellore, Tamil Nadu	December 02-06, 2009.
6.	Ratnamala P. Sonawane and R.S. Lokhande	Solvent extraction and Spectrophotometric determination of Fe (II) in some	State Level Conference on Recent Advances in Chemistry	Department of Chemistry, Sonopant Dandekar College, Palghar	February 19-20, 2010.

		pharmaceuticals using Hydrazine Carboxamide-2-[(2-Hydroxy-1-Naphthalenyl) Methylene] as an analytical reagent	organized		
7.	Ratnamala P. Sonawane and R.S. Lokhande	Synthesis of Hydrazine Carboxamide-2-[(2-Hydroxy-1-Naphthalenyl) Methylene] and its application to Extractive Spectrophotometric determination of U (VI)	National conference on environmental pollution and monitoring	Changue Kana Thakur, New Panvel	September 17-18, 2010.
8.	Vijay S.Sule and Dr. R. P. Sonawane	Comparative study of chemical synthesis of DHPMS derivatives by Biginelli Reaction using microwave irradiation and conventional method.	*Research Scholar's Meet-2012.	Institute of science, Fort, Mumbai	28 th February 2012.
9.	R.P.Sonawane and Pratima Adhikari	Synthesis and Characterization of 2, 4 dihydroxyacetophenone and its Cu(II) and Zn(II) metal complexes.	*Research Scholar's Meet-2013.	Institute of science, Fort, Mumbai.	28 th February 2013.
10.	R. P.Sonawane and Preethi Sequeira,	Synthesis and Characterization of 2, 4 dihydroxyacetophenone and its Co(II) and Ni(II) metal complexes	*Research Scholar's Meet-2013.	Institute of science, Fort, Mumbai.	28 th February 2013.

11.	R.P.Sonawane and Rahul Tripathi	The chemistry and synthesis of 1H-Indole-2,3-dione(Isatin) and there different derivatives.	*Research Scholar's Meet-2013.	Institute of science, Fort, Mumbai.	28 th February 2013.
12.	R.P.Sonawane and satish b. sawant	Synthesis and Characterisation of n-[2-(4-sulfamoylphenyl) Ethyl] Benzamide.	*Research Scholar's Meet-2013.	Institute of science, Fort, Mumbai.	28 th February 2013.
13.	R. P.Sonawane and Pankaj Patil	Preparation &Characterization Of Biodiesel From Soyabean Oil.	*Research Scholar's Meet-2013.	Institute of science, Fort, Mumbai.	28 th February 2013.
14.	R. P.Sonawane and <u>Rosna Rajan</u>	Synthesis And Characterization Of Light Emitting Poly (Arylene Ethynylene) S Containing Pyrene In The Main Chain For Optoelectronic Applications.	*Research Scholar's Meet-2013.	Institute of science, Fort, Mumbai.	28 th February 2013.
15.	R. P.Sonawane and Priya ,	Synthesis And Characterisation Of Coumersins Using B- Naphthol And O- Cresol.	*Research Scholar's Meet-2013.	Institute of science, Fort, Mumbai.	28 th February 2013.
16.	R. P.Sonawane and Sudhir Kini	Synthesis and Characterization of 1-Bromo 4-Hydroxy Propiophenone	*Research Scholar's Meet-2013.	Institute of science, Fort, Mumbai.	28 th February 2013.
17.	R. P.Sonawane and Manvendra Mhatre	Synthesis and Characterization of Ciprofloxacin Hydrochloride	*Research Scholar's Meet-2013.	Institute of science, Fort, Mumbai.	28 th February 2013.
18.	R. P.Sonawane and Avinash B. More	Green Synthesis Of Pyrimidine Derivative	*Research Scholar's Meet-2013.	Institute of science, Fort, Mumbai.	28 th February 2013.

19.	Ratnamala P. Sonawane , Atul Singh, Ritima Singh	Green Synthesis Of Pyrimidine Derivative	“Green Chemistry: A Route to Sustainable Development”	M. D. College, Parel, Mumbai-12.	3 rd December 2013
20.	R.S.Lokhande, Utkarsha Chavan and Ratnamala Sonawane.	Development of method for extractive spectrophotometric determination of Ni(II) with 2-hydroxyl-1-naphthalene carboxaldehyde phenyl hydrazone	“Green Chemistry: A Route to Sustainable Development”	M. D. College, Parel, Mumbai-12.	3 rd December 2013
21.	Ratnamala P. Sonawane, Atul Singh, Ritima Singh.	Comparative study of chemical synthesis of dihydropyrimidine derivatives by Biginelli reaction using microwave irradiation and conventional method.	International conference – Chemistry Cutting Edge: Nano, Green and beyond	St. Xaviers college(Autonomous), Mumbai..	held on 6 th and 7 th January, 2014
22.	Ratnamala P. Sonawane* , Atul Singh, Ritima Singh, Mukesh Jakhamola	Comparative study of conventional verses microwave synthesis of dihydropyrimidine (DHPMS) derivatives by Biginelli Reaction	National conference – Frontiers in the field of Science, Technology and Sustainability	Elphinstone College, Mumbai	14 th and 15 th February 2014.
23.	Ratnamala P. Sonawane* , Atul Singh, Ritima Singh, Mukesh Jakhamola	Comparative study of chemical synthesis of pyrimidine derivatives by using Grindstone chemistry Technique and Conventional method.	National conference – Frontiers in the field of Science, Technology and Sustainability	Elphinstone College, Mumbai	14 th and 15 th February 2014.
24.	Ratnamala P. Sonawane*	Use of Hydrazine Carboxamide-2-	International conference on	Bionanofrontier and International society	03-05 November

		[(2-Hydroxy-1-Naphthalenyl) Methylene] as an Analytical Reagent for the Extractive Spectrophotometric Determination of U(VI).	emerging Trends and Challenges in Science and Technology	of science and technology in association with Sinsil international Ltd , A. D. Instruments, Society for Development of new life sciences, Experts farm Ltd. At The Montien Bangkok Hotel, 54 Surawongse road, Bangkok, Thailand.	, 2014.
25	Ratnamala P. Sonawane	Development of method for extractive spectrophotometric determination of Cu(II) with of 2-[(4-(1, 3-benzoimidazole-2-yl) phenyl) imino] -5-nitro phenol as an analytical reagent	International conference on science, engineering and technology , ICSET-2015 with a theme recent Trends in Science, Management, Engineering and Technology	Jagadambha college of Engineering and technology, Yavatmal in collaboration with Birla Institute of Technology, Offshore Campus-Ras al Khaimah, UAE.	21-23 November , 2015.
26	Ratnamala P. Sonawane, Ritima Singh, Atul Singh.	Development of method for extractive spectrophotometric determination of Fe (II) with of 2-[(4-(1, 3-benzoimidazole-2-yl) phenyl) imino] -5-nitro phenol as an analytical reagent	UGC- SAP sponsored International conference on New Horizons in Synthetic and Material Chemistry (ICSMC-2015)	Department of Chemistry, University of Mumbai, Vidyanagari, Santacruz (East)Mumbai40009 8, India.	26-28 November , 2015.

27	Ratnamala P. Sonawane, Atul Singh, Ritima Singh.	Development of method for extractive spectrophotometric determination of Cu (II) with of 2-[2-(4-chloro benzothiozole) imino]-5- nitro phenol as an analytical reagent	UGC- SAP sponsored International conference on New Horizons in Synthetic and Material Chemistry (ICSMC-2015)	Department of Chemistry, University of Mumbai, Vidyanagari, Santacruz (East)Mumbai40009 8, India.	26-28 November , 2015.
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Project Completed

Completed Minor Research Project “**Synthesis and Extractive Spectrophotometric determination of some metal chelates of bidentate Schiff base derived from Benzoimidazole**” funded by University of Mumbai 2017.

Research Guidance for M.Sc. By Research and Ph.D. students

1. M.Sc. by Research : 02 Students completed
2. Ph.D. Students : 05 students

Workshops, Seminars, Conferences attended

1. One day workshop organized by Board of studies in chemistry at D. G. Ruparel College on 8th August 1999.
2. One day workshop on ‘ Teaching of new F. Y. B. Sc. Syllabus in Organic Chemistry, organized by Board of studies in chemistry at D. G. Ruparel college on 29th July 2002.
3. One day workshop on ‘ Microscale Techniques used in Organic Chemistry, organized by Board of studies in chemistry at Vivekananda Education society’s college, on 4th and 5th July 2003.
4. National symposium on ‘NMR Spectroscopy: Basics, Applications & Trends’, sponsored by UGC organized by Institute of Science on 21st, 22nd Feb 2005.
5. National symposium on ‘ Supramolecular Chemistry’, sponsored by UGC organized by Institute of Science on 25th , 26th Feb2005.

6. One day workshop for post graduate teachers in Inorganic Chemistry on M. Sc.II revised syllabus at Mithibai College, Vile Parle (W). Mumbai 56 on 9th Aug 2006.
7. One day workshop for post graduate teachers in Inorganic Chemistry on M. Sc.II revised syllabus at S I E S. College, Sion (W). Mumbai 22 on 19th Aug 2006.
8. International Conference on, 'Emerging trends in Chemical Sciences', held at Department of Chemistry, University of Mumbai on 23rd to 25th Jan 2007.
9. 19th Research scholar Meet -2007 organised by Indian Chemical society at Thakur College of Science, Kandivali. On 23rd, 24th Feb 2007.
10. UGC SAP National seminar on, 'Synthesis of New Materials for Industrial Applications organized by Shivaji University on 1st, 2nd Feb 2008.
11. One day workshop on 'Revised F. Y. B. Sc. Syllabus in Inorganic Chemistry, organized by Board of studies in chemistry at K. V. Pendharkar college, Dombivali on 9th July 2008.
12. 45th Annual Convention of Chemists 2008 of Indian Chemical Society held at P.G.Department of Studies in Chemistry, Karnataka.University, Darwad, Karnataka and Indian Chemical Society, during November 23-27 Nov, 2008
13. ,International Conference On NANOMATERIALS &APPLICATIONS(ICNAMA2008) organized Department of Chemistry and Department of Physics, SHIVAJI UNIVERSITY, Kolhapur (Maharashtra State, India). At December 9-11, 2008.
14. 29 National Conference of Indian Council of Chemistry held at Department of Chemistry, University, Haridwar and Indian Chemical Society, during December 26-28, 2008.
15. UGC SAP National Conference on, 'Chemistry of Materials organized by Department of Chemistry, University of Mumbai, on 20th, 21st Feb 2009.
16. 28th Annual Conference of Indian Council of Chemist held at Hemachandacharya North Gujrath University, Patan on 7th to 10th Nov 2009.
17. 46th Annual convention of chemist & International Conference on 'Recent Trends in Chemical Sciences', organized by Indian Chemical Society, VIT University, Vellore, Tamil Nadu on 2nd to 6th Dec 2009.
18. UGC sponsored State level conference on 'Recent Advances in Chemistry' organized by Sonopant Dandekar College, Palghar, Thane on 19th, 20th Feb 2010.
19. One day workshop on 'Significance of Research for Teachers in changing Era', organized by Ismail Yusuf College, Jogeshwari on 1st April 2010.

20. One day workshop on 'Revised T. Y. B. Sc. Syllabus in organic Chemistry, organized by Board of studies in chemistry at L. S. Patkar college, Goregaon on 19th June 2010.
21. National conference on environmental pollution and monitoring held at change Kana Thakur, New Panvel at September 17-18, 2010.
22. National Symposium on 'Modern Research Trends and Applications in Life Sciences organized by Elphiston College on 7th Jan 2012.
23. National Conference on 'Towards Excellence in Science' organized by Institute of Science, Mumbai, on 19th, 20th Jan 2012.
24. National Symposium on 'Emerging Trends in Life and material science: Mission mankind sponsored by UGC organized by V. G. Vaze College, Mulund on 25th Jan 2012.
25. National Conference on 'Advanced Materials in Industries' organized by Ismail Yusuf College, Jogeshwari, on 1th, 11th Feb 2012
26. National Conference 2012 on 'Latest Technologies and their Applications in Forensic Science and Digital Forensics' organized by Institute of Forensic Science, Mumbai, on 6th, 7th March 2012.
27. One day workshop for post graduate teachers in organic Chemistry on M. Sc.I sem I and II revised syllabus, organized by Board of studies in chemistry at S I E S. College, Sion (W). Mumbai 22 on 3rd July 2012.
28. One day workshop for post graduate teachers in organic Chemistry on M. Sc.II sem III and IV revised syllabus, organized by Board of studies in chemistry at V. G. Vaze College, Mulund (E). 20th March 2013.
29. National level workshop on 'Tools and Analytical Techniques in Life Sciences' organized by Elphiston college in collaboration with micro sat Biolab on 22nd April to 28th April 2013.
30. One day symposium on 'Ion Chromatography: Principles, Developments and Applications' organized by Chromatographic society of India at Chemistry Department I. I. T. Bombay on 29th June 2013
31. UGC sponsored National seminar on "Green Chemistry: A Route to Sustainable Development" organized by M. D. College, Parel, Mumbai-12 on 3rd December 2013.
32. International conference – Chemistry Cutting Edge: Nano, Green and beyond organized
by St. Xaviers college(Autonomous), Mumbai. held on 6th and 7th January, 2014.
33. National conference – Frontiers in the field of Science, Technology and Sustainability organized by Elphinstone College, Mumbai. held on 14th and 15th February 2014.
34. Short Term Course on "Contemporary Strategies for Teaching and Evaluation"

conducted by UGC Academic Staff College, Mumbai. during 14 March to 21 March, 2014.

35. International conference on emerging Trends and Challenges in Science and Technology organized by Bionanofrontier and International society of science and technology in association with Sinsil international Ltd , A. D. Instruments, Society for Development of new life sciences, Experts farm Ltd. At The Montien Bangkok Hotel, 54 Surawongse road, Bangkok, Thailand. on 03-05 November, 2014.
36. Short Term Course on “Mentoring students for their Progression” conducted by UGC Academic Staff College, Mumbai. during 15 December to 20 December, 2015.
37. One day National level Workshop on “ HPTLC and Hyphenated HPTLC Technique HPTLC MS” held on 14th August 2015, organized by the Department of Botany, The Institute of Science, Mumbai in collaboration with ANCHROME India.
38. International conference on science, engineering and technology , ICSET-2015 with a theme recent Trends in Science, Management, Engineering and Technology organized by Jagadambha college of Engineering and technology, Yavatmal in collaboration with Birla Institute of Technology, Offshore Campus- Ras al Khaimah, UAE on 21-23 November, 2015.
39. UGC- SAP sponsored International conference on New Horizons in Synthetic and Material Chemistry (ICSMC-2015) organized by Department of Chemistry, University of Mumbai, Vidyanagari, Santacruz (East) Mumbai 400098, India. On 26-28 November, 2015.
40. Worked as Organic Chemistry practical examiner for M.Sc II at Shivaji University, Department of Chemistry, Kolhapur in March 2016.
41. Worked as Organic Chemistry examiner and paper setter for M.Sc I and II at Jaipur National University, Jaipur in Dec 2016.
42. One day workshop on, “Radiochemistry and Applications of Radioisotopes,” conducted jointly by Department of Atomic energy (DAE), Board of Research in Nuclear Sciences (BRN), Indian Association of Nuclear Chemists and Allied Scientists (IANCAS) and Department of Chemistry, Maharshi Dayanand College of Arts, Science and Commerce, Parel, Mumbai-12 on August 20, 2016.
43. Worked as subject expert in Chemistry by Peoples Education Society as nominee on the selection committee for Career Advancement Committee (CAS) for promotion at Siddharth college, Fort, Mumbai on 18/11/2016
44. Completed STP: Refresher Training programme for Class-I Officers of Higher and Technical Education Department from 16/01/2017 to 20/01/2017 at Yashvantrao Chavan Academy of Development Administration (Yashada), Pune.
45. Worked as National and International advisory committee member for, “International Awards Ceremony and Global Science Congress” on Emerging Trends in Basic and Applied Sciences (ETBAS-2017) at May 17th -20th, 2017 at

Kathmandu, Nepal in association with soil and water conservation society,(SOWCOS), Kathmandu, Nepal.

46. Worked as National and International advisory committee member for, 3rd International Conference on Science and Technology for Society, ICSTS-2017, “Conservation of Non- Conventional Energy Sources Through Advanced Technology an its Socio-economic Approaches for Sustainable Development” on May 22, 23 and 24, 2017 at Singapore.
47. Attended the workshop on the Revised Syllabus of M.Sc (CBGS Semester I and II) organized by Department of chemistry K.C. College in collaboration with The Board Studies in Chemistry, University of Mumbi on October 3, 2017.
48. Attended State level one day workshop on, “ Current Amendments in Academic Performance Indicator (API) for College teachers & Developing E-content,” organized by Elphinston College, Mumbai on 29th November 2017.
49. Worked as Organic Chemistry examiner and paper setter for M.Sc I and II at Jaipur National University,Jaipur in May 2017, Dec 2017.
50. Worked as Organizing Committee Member for National Seminar on Recent Trends in Science and technology for Sustainable Developments 2018 [RTSTSD-2018] on 22nd and 23rd March,2018 at The Institute of Science, Mumbai.
51. Attended National Seminar on Recent Trends in Science and technology for Sustainable Developments 2018 [RTSTSD-2018] on 22nd and 23rd March,2018 at The Institute of Science, Mumbai.

Topics Taught

1. Stereochemistry
2. Advanced Spectroscopic Techniques
3. Pericyclic reactions
4. Heterocyclic Compounds
5. Green Chemistry
6. Drug Design, Development and Synthesis