

Curriculum Vitae

Name: Dr. Rashmi Urkude

Date of joining in the services: 1/10/2003(Contract full time),13/01/2005(Regular)

Current designation: Professor

Educational qualifications: M.Sc.(Chemistry), Ph.D.

Department: Chemistry

Name of Institution(Present): SSES Amt's Science College, Nagpur (Shivaji Science College, Nagpur)

Name of Institution (Past): Sir Parshurambhau College (S.P. College),Pune.

Area of Specialization: Inorganic Chemistry

Area of Research: Inorganic Chemistry, Environmental Chemistry

Contact No. 9423131358

Email Id: rashmi_urkude@rediffmail.com

Research papers Published:

1. Synthesis and antimicrobial activity of 2-Acetoxy substituted Phenyl Pyrazolines in Triethanolamine Amine. Oriental Journal of Chemistry. ISSN 0970-020X, online ISSN 223-5039.Vol.22(1),161164(2006)
2. Use Of Statistical Tools to Evaluate Pesticidal Effect In The Field Experiment. TCS International Referred Journal. ISSN 0977-0295.Vol.3.,Feb.2013,pp 23-26.
3. Inculcation Of Social Values leads To Quality Enhancement. Proceedings Of Nat. Conf. on Signposting NAAC: New Directions For Quality Assurance And Quality Sustenance In Accredited /Re-accredited Higher Education Institutions.ISBN:978-81-910409-5-1.,14 Dec 2012,pp135-137.
4. Standard Analytical Techniques Adopted for water Analysis: An Overview. Proceedings of National Seminar on, "Recent Trends In Chemical And Geological Sciences And it's Relevance To Environmental Conservation" ISBN No.978-93-82-351-12-2.Dec.2012,pp115-128.
5. Quality Of water For Drinking, Irrigation and Industrial Purposes. Proceedings Of National Seminar on,"Recent Trends in Chemical And Geological Sciences And it'sRelevance To Environmental Conservation" ISBN No.978-93-82-351-12-2.Dec.2012,pp163-171.
6. Studies on Physico-Chemical properties of commercially available EC formulations of Cypermethrin and Chlorpyriphos pesticides, International Journal of Engineering

Research & Technology (IJERT), ISSN No.2278-0181,Vol.2,Issue 8,PP2342-2352.August 2013.

7. An Epidemiological Study of Skeletal Fluorosis In Some Villages Of Chandrapur District, Maharashtra, India. Journal of Environmental Research And Development.,Vol.7 No.4A, pp 1679-1683.April-June2013.
8. Fluoride Distribution In Drinking Water AndDental Flurosis In Children Residing In Chadrapur District Of Maharashtra. International Journal Of Life Sciences,VOI.No.1(3),2013,pp202-206.
9. Perspective On Pesticides Residues In Food And Environment And It's Regulations In Crop Protection, IOSR Journal Of Applied Chemistry(IOSR-JAC)Special Issue,ISSN :2278-5736, 2014,pp 40-42.
10. Plant As Source Of Pesticides: Current Status And Future Perspective. International Journal Of Researches IN Bioscience, Agriculture And Technology. Issue No.2,Vol.No.1,ISSN NO.517X, 2014, pp639-646 2012.
11. Influence of Lindane and Endosulfan on earthworm population. Journal of Environmental Research And Development.Vol.9,Issue.No.184-187.July –September 2014.
12. QuEChERS METHOD:A Modern Technique for analysis of pesticide residues in Food, International Journal of Researches in Social Sciences and Information Studies(IJRSSIS).ISSN No.2347-8268.Vol.,Issue .3,Jan.2015.pp142-147
13. Studies on impact of pesticides on soil microbial respiration.International journal of plant, Animal and Environmental Sciences.ISSN-2231-4490.Vol.5,Issue-1, Jan-Mar-2015.pp-43-49.
14. Studies on physico-Chemical properties of commercially available EC formulations of Deltamethri and Profenofos pesticides, International Journal of advanced Research.ISSN 2320-5407.Vol.2,Issue 6, pp 972-978.Sp.issue(6).Oct 2015
15. Evaluation of effect of different pesticides on pigeon pea using statistical tools in the field experiment, IOSR journal of environmental Science, Toxicology and Food Technology-ISSN No.2319-2402.p-ISSN-No.2319-2399.Vol.8.Issue 8.Ver.I(Aug.2014),pp24-27.
16. Studies on physico-chemical properties of commercially available EC formulations of cypermethrin and chlorpyriphospesticides Vol.2.issue 8 pp.2342-2352International Journal of engineering research and technology. ISSN: 2278-0181
17. An epidemiological study of skeletal fluorosis in some villages of Chandrapur Dist.,(M.S.) India Vol.7(4A).International Journal of environmental research and developmentISSN: 09740678. Vol.7(4A).PP 1679-1683April-June 2013.

18. Perspective on pesticide residues in food and environment and its regulation in crop protection pp40-42 International organization of scientific Research Journal of applied chemistry. (IOSRJAC).ISSN:2278-5736.2014
19. Fluoride distribution in drinking water and dental fluorosis in Chandrapur Dist.of Maharashtra. International Journal of life sciences. ISSN: 2320-7817eISSN:2320-964X. 2013 .
20. Studies on physico-chemical properties of synthetic pyrethroids Fenvalerate and Alphamethrin. Pelegia Research library. Der Chemica Sinica, 2015, 6(6) pp 21-27.
21. Nanotechnology: An Advanced Approach to the development of pesticides. International Journal of Researchers in Biosciences, Agriculture and Technology ISSN: 2347-517X. pp 4 54-58
22. Studies on estimation of fluoride level and defluoridation of drinking water using agro-waste materials. International journal of plant, Animal and Environmental Sciences. ISSN-2231-4490. Vol.5, Issue-3, July-sept-2015. pp 148-188
23. Effect of different tree canopy soils on growth and quality of oranges seedlings rootstock, Plant Archives Vol. 15 Issue 2 pp 1097-1099, 2015 ISSN: 0972-5210
24. Plants as a source of pesticides: Current status and future perspective. pp 639-646 International Journal of Researchers in Biosciences, Agriculture and Technology ISSN: 2347-517X. Jan 2014
25. Pesticide residues in food and its analysis, Urkude Rashmi, Kocchar Sonika. Bionano Frontier (NCMAM 2017). ISSN 0974-0678. pp 21-22.
26. Effect of deltamethrin and profenophos on soil microflora. Sonika Kochhar, Rashmi Urkude, IOSR Journal of Applied Chemistry (IOSR-JAC) e-ISSN: 2278-5736. Vol 10, Issue 9, Ver. I (September, 2017) pp 65-67
27. Bioefficacy of Deltamethrin against gram pod borer (H. Armigera) on pigeonpeas: A Review Rashmi Urkude, Sonika Kocchar. International Journal Of Researches in Biosciences, Agriculture and Technology ISSN: 2347-517X. Special Issue (2), Vol V, July 2017. pp 365-368
28. Review on residues of profenofos in pigeonpea seeds. Sonika Kochhar, International Journal Of Researches in Biosciences, Agriculture and Technology ISSN: 2347-517X. Special Issue (2), Vol V, July 2017 pp 376-379.
29. Bio efficacy of alpha-cyano pyrethroid and phenyl organ thiophosphate insecticides against H. Armiger on pigeonpea. International Journal of current engineering and scientific research (IJCESR) vol 6. issue 1 (part III) ISSN: 0973-6921 e-ISSN: 2319-5983 Jan 2019. pp 414-420
30. Studies on physico-chemical properties of O'-O-diethyl O-Quinoxalin-2 4 1

phosphorathioate for quality control. Research Journey Sp. issue 110(B): Chemistry ISSN 2348-7143. Feb 2019. pp 325-330. (UGC listed)

31. Shelf life Studies on Bifenthrin 10 EC using GC-FID Application of nanotechnology in insect pest management. Vol. 7. Issue 6 pp 151-155. *Int. Res. J. of Science & Engineering*, 2019; Vol. 7 (5): 101-104 <http://www.irjse.in> ISSN: 2322-001
32. Pesticide residues in beverages. Rashmi Urkude, Varsha Dhurvey, Sonika Kochha (2019) Quality control in the Beverage industry, Elsevier Publications 17(1) 529-560.
33. Assessing pesticidal formulation for lambda-cyhalothrin content SR Kochhar, R Urkude, JKG. *BIOINFOLET*-(2020) A Quarterly Journal of Life Sciences 17 (3b), 483-484
34. Effect of Fluoride Toxicity on Some Haematological Indices in Human Population. S Dhawas, V Dhurvey, R Urkude. *IJSRST*(2022) ISSN:2395-6011, Vol. 8(8), PP 158-163. 2020
35. A Mini Review On Effect of Aniline on Liver and Spleen. *International Journal of Enhanced Research in Science, Technology and Engineering*. 2319-7463. Vol 12, Issue 8, August-2023
36. Deltamethrin Pesticide Residues Determination by GC-MS/MS Employing QuCChERS, Method For Extraction On Some Consumable Produce Crop., *Euro Chem Bull* 2023. 12(4), 1029-1030
37. Genotoxic, Carcinogenic and Reproductive Studies on Aniline: A Mini Review. *International Journal of Scientific Research In Biological Sciences*. Vol. 10., Issue 4, pp 42-47, August 2023.
38. Fluoride content in food crops and dietary intake in a fluoride-endemic area of Pijdura village of Warora Tehsil, Chandrapur District, Maharashtra in *Journal Of Soil And Crop*. ISSN 0971-2836 (Print) ISSN 2582-2756 (Online) Vol. 34(1) June 85-88
39. Studies on protective effect of sesame seed on Aloe Vera induced reproductive impairment in male Albino Rat, *BIOINFOLET*. ISSN No, 0973-1431 Vol. 21 (2): 159-161, 2024.
40. Effect of Aloe Vera Cowper's gland of *Rattus Norvegicus*. *BIOINFOLET*. ISSN No. 0973-1431 Vol. 21 (2): 155-158, 2024

Patent- One Indian patent published on invention in Bio-Medical Engineering.

Paper presented / conference Attended :

	Conference/Seminar/Workshop	Paper presented/Conferences attended
1	National Seminar on,"Greening the blues for sustainable development at Pandav College of Polytechnique, Nagpur on dtd.08/07/2012	Presented paper on "Impact of climate change on agriculture"
2	One day workshop on M.Sc. Chemistry syllabus to discuss scope and limitation at Hislop college, Nagpur on dtd.12/08/2012.	Attended
3	Symposium in advancing chemical sciences organised by RYC and Dept. of chemistry, Institute of science, Nagpur on 31/08/2012	Attended
4	One day workshop on B.Sc. Chemistry "Syllabus Discussion –Scope and Limitations" organised by RTMNUCTA and Ambedkar College, Nagpur on 16/02/2012	Attended
5	University level one day workshop for Ph.D. Supervisors at VMV College, Nagpur on 8/01/2013	Attended
6	Attended one day workshop on, "Next two decades of chemical sciences and Next decades of chemical sciences and technology " organized by NCL, Pune and Pune Uni. At NCL on 23/09/2011	Attended
7	Attended one day seminar on , "Emerging trends in material science"at S.P.College,Pune on 18/10/2011	Attended
8	Attended one day workshop on, "API for college teachers organized by CEDA at Abasaheb Garware College Pune" on 11/12/11	Attended
9	Attended one Day Workshop on, "Methodes in conceptual teaching in chemistry" at S.P.College,Pune on 10/12/11	Attended
10	National seminar on, "newer trends and chemical research and writing of scientific research papers at modern college,Ganeshkind,Pune" on 2 to 4 feb 2012	Attended
11	Workshop on, "discussion on restructuring of UG syllabus at Dhrampeth college" Nagpur on 11/10/15	Attended
12	National Conference on, "recent developments in eco-friendly material Hislop College Nagpur" (2012)	Paper Presented Studies on assessment of pesticidal properties of some indigenous plants
13	International Conference on,	Paper presented Studies on evaluation of pesticidal

	“Application of Advanced Materials for Sustainable Development Dr.Ambedkar College, Nagpur”(2012)	properties of V.negundo and P.glabra
14	International congress of environmental research Maulana Azad College and JERAD, Aurangabad.(2012)	Paper presented on Bioefficacy of lindane and endosulfan against podborer on pigeonpea.
15	UGC sponsored II World congress of man and nature-2012 organised by Sevadal Mahila Mahavidyalaya,Nagpur on dtd.3-5 Nov.2012	Presented paper on “Herbal pesticide:Ecofriendly entity”
16	NAAC sponsored National conference on “Signposting NAAC:New direction for quality assurance & quality sustenance in accredited/reaccredited higher education Institutions at Hislop College,Nagpur” on dtd 14-15 Dec.2012	Paper presented on “Inculcation of social values leads to quality enhancement”
17	International Conference on “Sustainable Water Resource Development and Management”organised by Deptt.of environment ,Kohlapur Uni., on 20-21 Dec2012.	1.Oral presentation on “Occurences of Fluoride in ground water of rural parts of Chandrapur Dist(.M.S)” 2. poster presentation on “Studies on defluoridation of drinking water using agrowast”
18	UGC sponsored National Seminar on, “Recent Trends in chemical and geological sciences and it’s relevance to environmental conservation(NSRTCGSEC-2012)”on dtd22/12/2012 at Mahatma Gandhi College,Armori.	Paper presentation on “Standard analytic method for water analysis:An Overview”
19	National conference interdisciplinary conference on , “Equality,Social justice & women empowerment”on 20/10/2012 organised by Dr.Ambedkar teacher’s welfare association.	Paper presented on “Women empowerment:Remedy on gender discrimination”
20	UGC sponsored one day National conference on, “Role of chemistry in every day life since ancient era at SN mor college arts and commerce and G.D.Saraf Science College,Tumsar(Bhandara)” on dtd 29/01/2013	Paper presented on “Natural product as a source of synthetic pesticides: present status and future perspective”
21	International conference ICMS-2012 on mathematical sciences on 28-31 Dec 2012	Paper presented on “Use of statistical tools to evaluate pesticidal effect in field experiment”
22	4 th International conference on sustainability and management strategy paper presented on dtd.4,5,September 2015 organised by IMT, Sanbernardino university USA,	Paper presented on “a review on efficacy of deltamethrin against gram podborer (H.Armigera) in pigeon peas

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23	National conference on sustainable development And green India paper presented entitled on 17 Oct.2015Hislop college,Nagpur	Paper presented on Studies on pesticide residues in vegetables
24	International Conference on Recent trends in technology Sustainable development through scientific approach SSES Amt's Science college,Nagpur-2017	Paper presented on Quechers:Modern extraction technique for pesticide residues
25	International conference on Water, University of Oklahoma , USA-2017	Paper presented on Occurrence of fluoride in the ground water and mitigation in Warora Tehsil,Chandrapur District,Maharashtra ,India
26	International conference on Water, University of Oklahoma , USA-2017	Paper presented on Studies on analysis of fluoride in water and food and its impact on human health in fluosis endemic area of Chandrapur District,Maharashtra state,India
27	National Seminar on natural heritage and biodiversity Hislop college,Nagpur-2017	Paper presented on Naturally occurring cyanide causing health hazards:A review
28	National Conference on Indian Heritage In Chemistry Hislop college,Nagpur-2018	Paper presented on Importance of traditional agricultural practices over modern agricultural practices in pest management in India
29	National Seminar on heterocyclicChemistry PGTD,Dept.of ChemistryRTMNU,,Nagpur-2018	Paper presented on Herbal Pesticides:A promising entity in pest management
30	National Seminar on diversity of environmental allergens and its thrat on human health Taywade College,Koradi-2019	Paper presented on Assessment of Aniline toxicity as environmental pollution in rat.
31	National on Conference on science and technology:Rural development Shri,Shivaji Science College,Nagpur-2019	Paper presented on Shelf life studies on Deltamethrin 11EC in storage for quality control
32	National Conference on science and technology: Rural development Shri,Shivaji Science College,Nagpur	Paper presented on Impact of pesticides on soil microbial respiration following application in laboratory and field soil.
33	National Conference on Innovative Research in Science and Technology Shri. Shivaji Science College, Amravati-2019	Paper presented on Shelf life studies of pesticidal

		formulation of Bifenthrin 10EC in storage
34	National Conference on solid state chemistry and allied areas S K Porwal college of arts ,science and commerce,Kamptee,Nagpur-2019	Paper presented on Nanomaterials in insect pest control:A modern approach of Nanotechnology
35	International Conference on Advanced sustainable futuristic materials. Kamla Nehru Mahavidyalaya,Nagpur-2024	Paper presented on, "Pesticide residues from fruits and vegetables"

Academic Staff College Orientation / Refresher Course attended :

Sr. No.	Name of the Course /	Place	Duration	Sponsoring Agency
	Summer School			
1	Orientation course	Academic Staff College, Nagpur	21 days	UGC
2	Refresher course in Environmental Science(Chemistry)	Academic Staff College, Nagpur	21 days	UGC
3	Refresher course in Chemistry	Academic Staff College, Nagpur Dept. of Chemistry, Nagpur	21 Days	UGC
4	Short term course on Research Methodology	Academic Staff College, Nagpur	8 Days	UGC

Chapters in Reference Books:

- i. Pesticide residues in beverages, Elsevier Publication-2019,Romania,UK.
- ii. Drinking Water Contamination and Health implications with respect to fluoride and pesticides in Maharashtra State, India. Science of environment-SCIGEN Publication, Tamil Nadu, India.

Awards:

- I. National award by Jyotiba Talent Research Award Academy for education 2012
- II. Received Best Researcher Award-(2019) instituted by Shivaji Science College, Nagpur

Research Project Completed: One minor project(Completed)- Minor project entitled, "Studies on evaluation of pesticidal properties of some indigenous plants" amount Rs.1,43,000/- sanctioned by UGC(Collar No.250/12-13,Dt-07/06/12,UC Pg.11)

Students Completed Ph.D. under supervision: Two

Students pursuing Ph.D. under supervision: Three

M.Sc. Students completed Dissertation : Thirty Five

Co-ordinator : 1) Jigyasa General knowledge exam .
2) State level Workshop on Radiation Safety Collaboration with BARC, Mumbai.

Chairperson:

- 1) International Conference in Chemistry-2024 on recent advances in applied Chemical Sciences at MANUU Central University, Hyderabad, India.
- 2) National Conference National on Conference on science and technology: Rural development, Shri Shivaji Science College, Nagpur-2019
- 3) International conference on Mathematical sciences ICMS-2012.

Subject expert for chemistry:

- i) RTM Nagpur University for Astt.Professor (Full time Contract basis)
- ii) Mohta Science College,Nagpur (Permanent Full time Asst.Professor)
- iii) Madhukarrao Wasnik College,Nagpur(For Full time Adhoc Assistant Professor)

Training:

- i) UGC Capacity building of women managers in Higher education Training of trainers workshop at Tata Institute, Mumbai 2-7 march 2012
- ii) Weekly training on “Pesticide Residue Analysis” at All India Network Project on Pesticide Residues ,MPKV, Rahuri.
- iii) Emerging Technological Trends in Research, Teaching & Learning Process 3rd to 10th March, 2014 VMV Commerce, JMT Arts and JJP Science College
- iv) Training on Water Technologies at Water Technology Centre, Norman, USA 17 to 23 Sept 2017.

Guest speaker-Delivered guest lecture on

- i) Pesticides : Use Wisely at RTM Nagpur University.
- ii) State Level NET/SET Workshop at S.P.College ,Pune.
- iii) Delivered invited talk at International Conference on Recent advances in applied chemical sciences-2024 at MANUU, Central University, Hyderabad, India.

Judge-

- i) At international Conference on New Horizon and trends in Chemical Sciences on 25 and 26 March, 2022.
- ii) At Medicinal Plants Exhibition, Shivaji science College.
- iii) At open Mic competition, Shivaji Science College, Nagpur.
- iv) At Collage Making Competition, SP College, Pune

University Examination related work- Officer Incharge ,Paper setter, Evaluator, Moderator.

Sponsorship- Received sponsorship of 25,000/- to conduct workshop from IARP, BARC, Mumbai

Reviewer-Worked as reviewer for International journal, International Conference Proceedings and Ph.D. Thesis from other Universities.

IQAC NAAC-Convener of Criterion 1 For IQAC NAAC, Shivaji Science College, Nagpur.

Presiding Officer-Internal Complaint Committee, Sexual harassment of women at workplace, Shivaji Science College, Nagpur.

Administrative Responsibilities handled: Incharge for University Result Committee, Editor College Magazine, Incharge-Admission Committee, Incharge-Alumni Association and many more.

- Fellow:** i) Fellow of International Congress Of Chemistry and Environment (FICCE)
ii) Member of Akhil Bhartiya Marathi Vigyan Parishad, Pune
iii) Life member of Vidarbha Marathi Sahitya Parishad

Dr. Rashmi Urkude
Professor
Dept. Of Chemistry
Science College, Congress Nagar,
Nagpur (MS), India.