



R. A. Arts, Shri M. K. Commerce and Shri S. R. Rathi Science

Mahavidyalaya, Washim.

Faculty Profile

Session: 2019-20 to 2023-24



1. Name of the Faculty : Dr. Nilesh V. Rathod

2. Name of the Department : Chemistry

3. Educational Qualification : M.Sc.Ph.D.SET, GATE

4. Present Designation : Assistant Professor, & Head

5. Address for Correspondence: c/o Vilas N.Dhole Rangdal layout, Near lonsune farmhouse Yojna park Civil Line Washim

6. E-mail: nileshrathod3684@gmail.com , rathodnilesh.rac@gmail.com

7. Mobile Number: 9763655875, 9421883724

8. Specialization: Inorganic Chemistry

9. Total Teaching Experience: 8yrs

10. Courses Taught: B.Sc. and M.Sc.

11. Research Experience: 10 Yrs

12. Role in Various College Committees (Last Five Years)

Sr. No.	Name of the Committee	Year	Role in Committee (Coordinator / Member)
1	Prize distribution and Medal Committee	2019-20	Member
2	Exam Committee	2019-20	Member
3	Academic and Administrative Audit	2020-21	Member
4	Anti Ragging Committee	2020-21	Member
5	Research Committee	2020-21	Member
6	Academic and Administrative Audit & SWOT Analysis Committee	2021-22	Member
7	IQAC Committee	2021-22	(Criteria –VI)-Coordinator
8	Anti Ragging Committee	2021-22	Member
9	Research Advisory Committee	2021-22	Member
10	Management Information System Committee (MIS)	2021-22	Member

11	Alumni & Public Relation Committee	2021-22	Member
12	Academic and Administrative Audit & SWOT Analysis Committee	2022-23	Member
13	IQAC Committee	2022-23	(Criteria –VI) Cordinator
14	Anti Ragging Committee	2022-23	Member
15	Alumni & Public Relation Committee	2022-23	Member
16	Management Information System Committee (MIS)	2022-23	Member
17	Anti Ragging Committee	2023-24	Member
18	IQAC Committee	2023-24	(Criteria –VI) Cordinator
19	Management Information System Committee (MIS)	2023-24	Member
20	Incubation Centre Committee	2023-24	Member
21	Alumni & Public Relation Committee	2023-24	Member
23	Laboratory Material,Equipment Purchase and Maintenance Committee	2023-24	Member
24	Student Teacher Mentor Scheme Committee	2023-24	Member

13. Major Research Projects of UGC Completed: Nil

Title of the project	Date of sanction	Grant sanctioned and Amount Received	Duration	Status (On-going / Completed)
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1.	Dr. N. V. Rathod			Participated	Effective Implementation of NEP-2020 At RLT College Akola	University Level	2023-24			
2.	Dr. N. V. Rathod			Sectrophometric Complexation Study of Cu(II)with 8-Hydroxyquinoline Based Azo Dye	Recent Advancement of Science and Technology	National	2023-24			
3	Dr. N. V. Rathod			Participated	“Effective Pedagogical Tools & Techniques for Improved Learning Outcomes”	National	2021-22			
4	Dr. N. V. Rathod			Participated	International Webinar On Empowering Diversity in Science	International	2021-22			
5	Dr. N. V. Rathod			Participated	NAAC Assessment and Accreditation Process	National	2019-20			
6	Dr. N. V. Rathod			Participated	Writing and Evaluation of Scientific Research Articles	National	2021-22			
7	Dr. N. V. Rathod			Participated	Role of chemistry for sustainable future	National	2021-22			
8	Dr. N. V. Rathod			Participated	Modern Instrumental and characterization Techniques in applied sciences-2020	International e-conference	2020-21			
9	Dr. N. V. Rathod			Participated	Current trends in Chemical Sciences	National	2022-23			

17. Innovative practices developed in teaching and learning.

18. Participation in curriculum development:

19. Participation in Departmental / Co-curricular and Extra-Curricular activities:

20. Refresher / Orientation / FDP / Short Term courses attended:

Name of the Course	Duration	Name of the Organizing Agency	Place
102 nd Orientation Programme	16-07-2018 to 11-08-2018	UGC-HRDC, Rani Durgawati Vishwavidyalaya, Jabalpur, M.P.	Jabalpur, M.P.
Interdisciplinary Refresher Course in the subject Research Methodology	14-09-2019 to 27-09-2019	UGC-HRDC	Gwalior
FDP	18-01-2023 to 23-01- 2023	Guru Anand Dev TLC A centre of Ministry of Education underPMMMNMTT	Online mode
FDP	04-06-2020 to 10-06- 2020	Saraswati kala Mahavidyalaya Dahiihanda Akola	Online mode
FDP	11-05-2020 to 16-05- 2020	SRTM University Nanded	Online mode
FDP	01-06-2020 to 06-06- 2020	Dr. Ghali College Gadhinglaj Kolhapur	Online mode
FDP	25-02-2021 to 03-03- 2021	Guru Anand Dev TLC A centre of Ministry of Education underPMMMNMTT	Online mode
Refresher Course	15-12-2023 to 29-12- 2023	Ramanujan Collge University of Delhi TLC A centre of Ministry of Education under PMMMNMTT	Online mode

21. Examination /Evaluation reforms initiated:

- **Use of ICT Tools in Examination and Evaluation Process; Google forms, Power Point Presentation**
- **Conducted Contact Programmes for the Grievances related to Examination.**

22. Publication of research papers: in peer reviewed journals, non-peer reviewed journals, conference proceedings, impact factors, citations, and index. As per below data template 3.3.1 of SSR

Sr. No.	Title of paper	Name of the author/s	Department of the teacher	Name of journal	Calendar Year of publication	ISSN number	Link to the recognition in UGC enlistment of the Journal /Digital Object Identifier (doi) number		
							Link to website of the Journal	Link to article / paper / abstract of the article	Is it listed in UGC Care list
1	Graphene oxide-based sorbents modified with waste orange peel biochar for Cd (II) removal from aqueous waste streams	Dr. N. V. Rathod	Chemistry	Separation Science and Technology	2023-24	1520-5754	https://www.tandfonline.com/action/journalInformation?journalCode=1sst20	https://www.tandfonline.com/doi/full/10.1080/01496395.2024.2315622	Scopus Index
2	Efficient removal of toxic Cd (II) ions from waste streams by a novel modified biodegradable magnetic sorbent	Dr. N. V. Rathod	Chemistry	Chemistry of Inorganic Materials	2023-24	2949-7469	https://www.sciencedirect.com/journal/chemistry-of-inorganic-materials	https://www.sciencedirect.com/science/article/pii/S2949746923000162	Scopus Index
3	Investigation of Spectrophotometric Complexation Study of 8-Hydroxyquinoline based azo dye with Co(II) metal ion	Dr. N. V. Rathod	Chemistry	High Technology Letters	2023-24	1006-6748	https://gjstx-e.cn/	https://drive.google.com/file/d/1gNyojd17v38_5OBjeRYxq4kMDndMz12X/view	Scopus Index

4	Complexation study of Bi ³⁺ metal ion with 8-Hydroxyquinoline based azo dye and its antimicrobial activities	Dr. N. V. Rathod	Chemistry	Research Journal of Chemistry and Environment	2023-24	2278-4527	https://www.worldresearchersassociation.com/Archives/RJCE/Vol(27)2023/June%202023	Scopus Index
5	SPECTROPHOTOMETRIC COMPLEXATION STUDY OF 8-HYDROXYQUINOLINE WITH PB ²⁺ METAL ION	Dr. N. V. Rathod	Chemistry	SCHOLARS IMPACT International Multidisciplinary Multilingual Journal of Contemporary Research	2019-20	9324-7632		
6	The investigation of cooperative binding between <i>p</i> -sulfonatocalix[6]arene and fluorescein with transition metal ions by spectrometrically	Dr. N. V. Rathod	Chemistry	Journal of Chemical Sciences	2019-20	0973-7103	https://link.springer.com/journal/12039	Springer
7	Investigation of host-guest complexation of the ternary model: <i>p</i> -Sulfonatothiacalix[4]arene-fluorescein-M ²⁺	Dr. N. V. Rathod	Chemistry	Polyhedron	2019-20	1873-3719	https://www.sciencedirect.com/science/article/abs/pii/S0277538719307132	Scopus Index

8	pH Dependent Self-Assembly of Single-Pyrene-Armed Calix[4]arene: Modulation and Complexation with p-Sulfonatocalix[6]arene	Dr. N. V. Rathod	Chemistry	Chemistry Select	2019-20	2365-6549	https://chemistry-europe.onlinelibrary.wiley.com/doi/10.1002/slct.201902363	https://chemistry-europe.onlinelibrary.wiley.com/doi/10.1002/slct.201902363	Scopus Index
9	SYNTHESIS AND SPECTRAL CHARACTERIZATION OF 2-AZITIDINONE DERIVATIVES	Dr. N. V. Rathod	Chemistry			2349-5162	https://jetir.org/index.html	https://www.jetir.org/view?paper=JETIRDIO6016	
10	Spectrophotometric Complexation Study of Cu(II) with 8-Hydroxyquinoline Based Azo Dye	Dr. N. V. Rathod	Chemistry	Conference proceeding RAST-2024Amravati		978-81-19931-25-5			
11	Spectrophotometric Complexation Study of Cu ²⁺ Metal Ion with Schiff Base Ligand	Dr. N. V. Rathod	Chemistry	JETIR Journal of Emerging Technologies and Innovative Research	2019-20	2349-5162	https://jetir.org/index.html	https://www.jetir.org/view?paper=JETIRDIO6103	yes
12	Studies on Complexation of β -naphtholazo dye and Pb ²⁺ metal ion Spectrophotometricaly	Dr. N. V. Rathod	Chemistry	International Journal of Scientific Research in Science and Technology	2019-20	2395-602X	https://ijrst.com/index.php/home	https://ijrst.com/home/issue/view/article.php?id=IJSRST2196132	
13	Removal of Methyl Red Dye from Aqueous Solution By	Dr. N. V. Rathod	Chemistry	RESEARCH JOURNEY' International E-	2019-20	2348-7143	https://www.researchjourney.com	https://www.researchjourney.com	

	Employing NiFe ₂ O ₄ Nanoparticle			Research Journal			net/	ney.net/special-issues	
14	Synthesis and Spectral Characterization of B-Lactam Derivatives	Dr. N. V. Rathod	Chemistry	RESEARCH JOURNEY' International E-Research Journal	2019-20	2348-7143	https://www.researchjourney.net/	https://www.researchjourney.net/special-issues	

23. Books published: with ISBN No., Without ISBN No., Chapters in books. As per below data template 3.3.2 of SSR : NIL

Number of books and chapters in edited volumes/books published and papers published in national/ international conference proceedings per teacher during last five year

Sl. No.	Name of the teacher	Title of the book/chapters published	Title of the paper	Title of the proceedings of the conference	Name of the conference	National / International	Calendar Year of publication	ISBN number of the proceeding	Affiliating Institute at the time of publication	Name of the publisher
1	Dr. N. V. Rathod	Chemistry BOOK	AUCTA			National	2022-23	978-93-94661-29-5		DnyanPath

24. Patents Applied/Granted: National. International, commercialized: NIL

25. Consultancy services provided and revenue generated: NIL

26. Conferences, seminars, workshops and Short Term Course organized as convener/coordinator

Sr. No.	Title of the Conference / Workshops / Short Term Course	Name of the Department &	Duration / Date	Number of Participants
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		Coordinator / Convener		
1.	One day workshop on Hand Sanitizer Preparation	Chemistry/Dr. N. V. Rathod	02/04/2024	
2.	One day workshop on Manufacturing of Aloe Vera Gel	Chemistry/Dr. N. V. Rathod	30/05/2022	
3.	One day workshop on “How to grow research and publish the research paper”	Chemistry/Dr. N. V. Rathod	11/04/2022	
4.	AUCTAS One Day Motivational Science Workshop jointly organized with R.A. College, Washim	Chemistry/Dr. N. V. Rathod	08/03/2021	

27. Number of collaborations: 02

28. Awards / Recognitions received: International, National, State, University level.

Signature of the Teacher