



## **FACULTY PROFILE**

**Name** : Rayate Ankita Mukund.  
**Date of Birth** : 29<sup>th</sup> March 1996  
**Field of specialization** : Organic Chemistry.  
**Address for communication** : Assistant Professor, Dept. of Chemistry, MVP Samaj's  
G.M.D Arts, B. W. Commerce and Science College, Sinnar, Nashik  
**Email** : amrayate1996@gmail.com  
**Mobile** : 9527849322

### **ACADEMIC QUALIFICATIONS:** (only UG, PG and Ph.D.)

<b>Degree</b>	<b>University / Institution</b>	<b>Grade / %</b>	<b>Year of Passing</b>	<b>Specialization</b>
B.Sc.	University of Pune	74.91%	2016	Che + Math + Phy
M.Sc.	University of Pune	71.73%	2018	Organic Chemistry
B.Ed.	University of Pune	77.05%	2021	Sciences
PET.	Savitribai Phule Pune University, Pune	-----	2021	-----
Ph.D.	Savitribai Phule Pune University, Pune	-----	2022	Registered

**EXPERIENCE:**

Name & Address of Employer	Post Held	Period of service
G.M.D Arts B.W Commerce & Science College, Sinnar	Assistant Professor in Chemistry	Dec 2018 till date

**RESEARCH AND DEVELOPMENT****1. PUBLICATIONS IN JOURNALS :**

No.	Title of the paper / Authors	Journal
<b>2023</b>		
1	The Significance of Heterogeneous Catalysis to the Field of Chemical Kinetics <b>Ankita M. Rayate</b> , Dr. Anju, Vanita Kumari Sapro, K. Raj Tilak, Amareswara Prasad Chundru	<i>European Chemical Bullatin</i> , 2023, 28-C, (37-41).  <b>Indexed in Web of Science and Scopus</b>
2	Temperature Dependence and Molecular Interactions Studies from Refractive Indices of 6-(4-Chlorophenyl)-1, 2, 3, 4-Tetrahydro-4-Oxo-2-Thioxopyrimidine-5-Carbonitrile in 60% Aqueous Dimethyl Sulphoxide <b>Ankita M. Rayate</b> and Manoj R. Gaware	<i>Indian Journal of Science and Technology</i> , 2023, 16(36), 2907-2911  <b>Indexed in Web of Science</b>
<b>2024</b>		
3	Thiourea-Ammonium Chloride mediated Knoevenagel Condensation as an intermediate in synthesis of Pyrimidine scaffolds under solvent free condition  <b>Ankita M. Rayate</b> and Manoj R. Gaware	<i>Letters in Organic Chemistry</i> , 2024, 21(9), 749-755  DOI: <i>10.2174/0115701786286587240130114029</i>  <b>Indexed in Web of Science and Scopus with Impact Factor 1.00 and Cite Score 1.5</b>

**BOOK PUBLISHED**

<b>Sr.No</b>	<b>Title of Book</b>	<b>Publisher</b>	<b>ISBN No</b>	<b>Place of Publishing</b>	<b>Year</b>
1.	Molar Volumes and Jone Dole Coefficients of Dihydropyrimidines and its Derivatives	Astral International Private Limited	978-93-5461668-6	National	2022
2	Organic Chemistry	Good Writers Publication	978-93-5756-028-3	National	2023

**PATENTS**

<b>S.N</b>	<b>Title of the Patent</b>	<b>National/ International</b>	<b>Patent No.</b>	<b>Funding Agency</b>	<b>Details of Patent</b>
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
3	Equipment for microwave assisted synthesis of chemical compound	National	416517-001	-	Design Patent in Progress
4	Reactor for Production and Utilization of Diazomethane	National	404834-001	-	Design Patent in Progress
5	Hand Operated	National	411037-001	-	Design

	Effective Fruit Cutting Machine				Patent in Progress
6	Effective Hand Operated Wheat Flour Vermicelli (Kurdai) Preparation Machine	National	412037-001	-	Design Patent in Progress
7	Container for Water Holding Capacity of Soil	National	412186-001	-	Design Patent in Progress

### AWARD

S.N	Title of the Award	National/ International	Organizing Agency
1	Award for Excellence in Research (Young Scientist Award)	National	International Business and Education, New Delhi
2	Young Scientist Award	International	Shinawatra University, Thailand and ESN Publication

### DETAILS OF SEMINAR/CONFERENCE/WORKSHOPS PARTICIPATED

Title of Seminar	Venue and other details	Mode of participation
International Level Faculty Development Programme on "GATEWAY TO INNOVATION"	Shrimati Indira Mahadev Beharay College of Arts Shriman Chandulal Sheth College of Commerce & Shrimati Shobhanatai Chandulal Sheth College of Science, Khed, Ratnagiri Maharashtra University	Participation

	of Mumbai, On 22/06/2020 to 26/03/2020.	
Webinar Serendipity An Unplanned Discoveries In Science	Bhavan's College Andheri West A Mumbai, On 16/08/2021.	Participation
International Vitual Conference on Career And Research Opportunities In Chemistry	Arts, Science And Commerce College Ozar (MIG) ,Nashik, on 1/10/2021	Participation
International Level Conference on "Advances in Functional Materials" (ICAFM-2018)	K.T.H.M College Nashik on 12/01/2018 to 13/01/2018	Participation
National Level Webinar on "Nanoscience For 21 <sup>st</sup> Century"	Shri Anand College ,Patharidi Ahmednager, on 13/09/2021	Participation
National Level Webinar on "Green Chemistry And Catalysis"	Dada Patil Mahavidylaya, Karjat, Dist:Ahmednagar, on 13/09/2021	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
Zonal Laval Research Competition At "Avishkar-2017"	K.S.K.W. Arts, Commerce & Science College Cidco.	Participation
National Consumer Awareness Quiz	Arts, Science And Commerce College Ozar (MIG) ,Nashik, on 24/12/2021	Participation

International conference on “Recent Trend In Green And Sustainable Development In Chemical Science”	K.T.H.M College Nashik on 25/10/2021 to 27/10/2021	Participation
National Seminar “Research Methodology”	Dada Patil Mahavidyalaya, Karjat, Dist: Ahmednagar, on 1/10/2021	Participation
International Level Programme “Advance Horizons In Chemical Sciences -2021”	Arts, Science And Commerce College , Satral, Tal-Rahuri, Dist: Ahmednagar, on 26/10/2021 to 27/10/2021	Participation
‘State Level Quiz 2022’ State level Online World Cancer Day Quiz 2022	K. K. Wagh Arts ,Commerce, Science And Computer Science College Saraswati Nager, Nashik. 4/02/2022	Participation
National Webinar on National Educational Policy 2020	Matoshri College Of Education Nashik 16/02/2022	Participation
Webinar on IP awareness/ Training program under National Intellectual Property Awareness Mission	Intellectual Property Office , India. On 18/5/2022	Participation
One Day International Multidisciplinary E-Seminar on ‘Trends In Research’	Rajarshi Shahu Arts And Commerce College, Rukadi 30 <sup>th</sup> June 2022	Participation
National Level Workshop on National Education Policy-Accreditation 2020	G. M. D. Arts, B. W. Commerce and Science College, Sinnar on 06/02/2023 to 07/02/2023	Paper Presentation and Participation
One Day Workshop on “ Work Skills and Prosocial Behavioral Development for Senior and Professional College	Maratha Vidya Pasarak Samaj’s Human Resource Development	Participation

Teachers”	Center (HRDC) Nashik on 21/04/2023	
One Day Workshop on Voice Care	M.V.P. Samaj’s G. M. D. Arts, B. W. Commerce and Science College Sinnar and Maharashtra State Department of Higher and Technical Education Maharashtra Information Technology Support Center on 05/01/2024	Participation
International Conference on Recent Advances in Multidisciplinary Research (ICRAMR-2024)	Bapumiya Sirajoddin Patel Arts, Commerce and Science College, Pimpalgaon Kale Jalgaon Jamod, Buldhana on 13/04/2024	Participation
One Day Workshop on “Implementation of National Education Policy (NEP 2020)	M. V. P. Samaj’s Shrimati Vimlaben Khimji Tejookaya Arts, Science and Commerce College, Deolali Camp	Participation

### **PAPER PRESENTATION**

- Paper presentation on “Role and Importance of Research in National Education Policy-2020” at National Level Workshop on National Education Policy-Accreditation 2020 organized by G. M. D. Arts, B. W. Commerce and Science College, Sinnar on 06/02/2023 to 07/02/2023.
- Paper presentation on “Recent Advances in Knoevenagel condensation reaction” at International Conference on Recent Advances in Multidisciplinary Research (ICRAMR-2024) organised by Bapumiya Sirajoddin Patel Arts, Commerce and Science College, Pimpalgaon Kale Jalgaon Jamod, Buldhana on 13/04/2024

### **RESOURCE PERSON/INVITED SPEAKER:**

- Delivered Expert lecture talk on “Some Important Chemical Compounds” for Combined Defence Services Examination Preparation organized by N.C.C and Department of Geography at G. M. D. Arts, B. W. Commerce and Science College, Sinnar.
- Delivered Expert lecture talk on “Spectroscopy” organized by Department of Chemistry at C.M.C.S. College, Nashik.

### **REVIEWER AND EDITORIAL**

- Potential Reviewer for Uttar Pradesh Journal of Zoology
- Potential Reviewer for International Research Journal of Pure and Applied Chemistry
- Certificate of Excellence in Peer Reviewing for B. P. International for outstanding contribution to the quality of book

### **CO-CURRICULAR/EXTRA CURRICULAR & OTHER ACTIVITIES**

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

### **COLLEGE COMMITTEES**

- Member of IQAC committee
- Member of admission committee
- Worked as member for science Poster Competition
- Worked as member for Annual Gathering

### **COMMUNITY SERVICES**

- Participates Soft Skill Development programme
- Zonal Level Research Competition Participated at “Avishkar-2017” and “Avishkar 2023”



- Tree Plantation
- Blood Donation Camp
- Tree Plantation Programme
- Road Safety Rallies