

Name

Dr. Rahul Raghunath Mahire



Department

School of Chemical Sciences,
KCE Society's Moolji Jaitha College (Autonomous), Jalgaon

Current Designation

Assistant Proferssor

Gender

Male

Specillization

Organic Chemistry

Educational Qualification

M.Sc., Ph.D., SET

Educational Details

Sr. no.	Degree	Subject	University	Year of Passing
1	Ph.D.*	Chemistry	Kavayitri Bahinabai Chaudhari North Maharashtra University, Jalgaon	2018
2	SET	Organic Chemistry	--	2013
3	M.Sc.	Organic Chemistry	Kavayitri Bahinabai Chaudhari North Maharashtra University, Jalgaon	2010
4	B.Sc.	Chemistry	Kavayitri Bahinabai Chaudhari North Maharashtra University, Jalgaon	2008

***Title of Thesis** : Design, synthesis and study of control release of some prodrugs.

***Research Guide:** Prof. D. H. More, Director, School of Chemical Sciences, Kavayitri Bahinabai Chaudhari North Maharashtra University, Jalgaon

Teaching Experience

6 years

Sr. no.	Position	College/Institute	Tenure
1.	Lecturer	University Institute of Chemical Technology, Kavayitri Bahinabai Chaudhari North Maharashtra University, Jalgaon (Formerly: NMU, Jalgaon)	2014 to 2016
2.	Assistant Professor	University Institute of Chemical Technology, Kavayitri Bahinabai Chaudhari North Maharashtra University, Jalgaon (Formerly: NMU, Jalgaon)	2016 to 2019
3.	Assistant Professor	School of Chemical Sciences, Kavayitri Bahinabai Chaudhari North Maharashtra University, Jalgaon (Formerly: NMU, Jalgaon)	2019
4.	Assistant Professor	School of Chemical Sciences KCE Society's Moolji Jaitha College (Autonomous), Jalgaon	2019 to till the date

Awards

- ❖ Best Oral Presentation at National Conference on Ideas in Chemical Sciences and Environments for sustainable development-2020 dated 21st January 2020 organized by Iqra Education Society's H. J. Thim college, Jalgaon.
- ❖ Best Oral Presentation at Innovations in Chemistry – Laboratory to Society (ICLS-2018) organized by School of Chemical Sciences, KBC North Maharashtra University, Jalgaon, during 5-6 March 2018
- ❖ Research fellowship of UGC, New Delhi at School of Chemical Sciences, KBC North Maharashtra University, Jalgaon during February 2011 to January 2014.

Research Publications

1. Preparation of Gallic Acid–Anhydride Conjugate and Evaluation of Prodrug Release Through PVA-Based Hydrogel. Mahire R. R.; Agrawal D. S.; Patil D. K. and More D. H.*; Pharmaceutical Chemistry Journal. **2018**; 52(2), 139-144.
2. Synthesis, characterization and controlled release studies of ethyl cellulose microcapsules incorporating essential oil using an emulsion solvent evaporation method. Patil D. K.; Agrawal D. S.; Mahire R. R. and More D. H.*; American Journal of Essential Oils and Natural Products. **2016**; 4(1): 23-31.
3. Synthesis, characterization and controlled release study of polyurea microcapsules containing Metribuzin herbicide. Patil D. K.; Agrawal D. S.; Mahire R. R. and More D. H.*; Russian Journal of Applied Chemistry, **2015**; 88(10) 1692–1700.
4. Fabrication of organogels achieved by prodrug-based organogelators of ketoprofen. Mahire R. R.; Agrawal D. S.; Patil D. K. and More D. H.*; RSC Advances, **2014**, 4(63), 33286-33291.
5. In Vitro Study of Inhibition of α - amylase by Phytochemicals, Aqueous and Ethanol Extracts of Some Medicinal Plants. Mahajan R. P.; Mahire R. R. and More D. H.*; International Journal of Pharmacognosy, **2014**; 1(8): 1000-06.
6. Synthesis and characterization of benzimidazole derivatives by sonogashira coupling and evaluation of anthelmintic activity. Patel G. B.; Mahire R. R. and More D. H.*; Der Pharma Chemica, **2013**; 5(6):369-376.

Paper Presented at International Conferences

- International e-Conference on “Sustainable Development: A Biological and Socioeconomical Perspective” Organize by Government Institute of Sciences and Humanities, Amaravati, Maharashtra, India during 26-27 June 2020.
- Two Day International e-Conference on ‘Drug Discovery, Development and Applications’ organized by Department of Chemistry KBP college, Vashi, Navi Mumbai during 15th & 16th June 2020.
- International conference on the web on COVID 19: Roadmap to future Environment organized by Department of Botany St. Johns College, Agra, dated 5 June 2020.

- International conference on “New Dimensions in Chemistry & Chemical Technologies -Applications in Pharma Industry” (NDCT-2014) during 23-25 June, 2014 at Jawaharlal Nehru Technological University Hyderabad, Hyderabad.
- International Conference on Global Opportunities For Latest Developments In Chemistry And Technology – 2014 (GOLD-CT-2014) during 06 – 08 February 2014 at School of Chemical Sciences, North Maharashtra University, Jalgaon.
- International conference on “Innovations in Chemistry for Sustainable Development” (ICSD-2011) during 1-3 December 2011 at Panjab University, Chandigarh, India.

Paper Presented at National Conferences

- National Conferences on Recent trends and in Chemical Sciences dated 3rd January 2020 organized by DDN Bhole College, Bhusawal.
- National Conference on Ideas in Chemical Sciences and Environments For sustainable development-2020 dated 21st January 2020 organized by Iqra Education Society's H. J. Thim college, Jalgaon
- Innovations in Chemistry – Laboratory to Society (ICLS-2018) organized by School of Chemical Sciences, North Maharashtra University, Jalgaon, during 5-6 March 2018
- National Conference on Advances in Chemical Sciences (ACS-2017) organized by School of Chemical Sciences, North Maharashtra University, Jalgaon, during 4th March 2017
- National Conference on New Frontiers in Chemistry from Fundamentals to Applications (NFCFA 2015) organized by Department of Chemistry BITS PILANI KK Birla Goa Campus, Goa, 403726 during 18-19 December, 2015.
- National Conference on “Recent Advances in Chemical Sciences, Technology and Environment” (RACSTE-2015) at UICT, North Maharashtra University, Jalgaon
- National conference on “Innovation in Chemistry Lab to Society” (ICLS-2013) at School of Chemical Sciences, North Maharashtra University, Jalgaon dated 11 March 2013.
- National conference on “Nanostucture and Nanomaterials” at University Department of Chemical technology, North Maharashtra University, Jalgaon dated 19 March 2011.
- National Conference on Natural Resource Management for Sustainable Development (NRMSD-2010) dated 1-2 Feb 2010 at School of Environmental and Earth Sciences, North Maharashtra University, Jalgaon.

Organizing Conferences/ Workshop

- ❖ **Convener:** Seminar on Challenges in Intellectual Property Rights and Patent System-2020 (CIPRPS-2020) organized by School of Chemical Sciences, Moolji Jaitha College (Autonomous) Jalgaon dated 26th February 2020.
- ❖ **Organizing Secretary:** One Day Workshop on Training and Safety in Chemical, Clinical and Industrial Laboratories – 2020 organized by School of Chemical Sciences, Moolji Jaitha College (Autonomous) Jalgaon dated 11th January 2020
- ❖ **Organizing Member:** National Conference on “Recent Advances in Chemical Sciences, Technology, and Environment (RACSTE-2015)” dated 9th March 2015 at University Institute of Chemical Technology, North Maharashtra University, Jalgaon.
- ❖ **Organising Secretary:** TEQIP-II sponsored National Conferences on Recent Advances in Chemical Sciences, Technology and Environmental (RACSTE-2017) organized by Department of Applied Sciences, University Institute of Chemical Technology, North Maharashtra University, Jalgaon during 30-31 January 2017.
- ❖ **Organizing Member:** TEQIP-II sponsored sixth conference on Recent Advances in Polymer Technology (RAPT-2017) organized by University Institute of Chemical Technology, North Maharashtra University, Jalgaon during 27-28 February 2017.
- ❖ **Organizing Member:** TEQIP-II sponsored sixth conference on Recent Advances in Polymer Technology (RAPT-2018) organized by University Institute of Chemical Technology, North Maharashtra University, Jalgaon during 16-17 February 2018.
- ❖ **Committee member:** AVISHKAR-2017 at University premises organized by North Maharashtra University, Jalgaon.

Seminar/ Workshop

- Two Weeks Faculty Development Programme on "Managing Online Classes And Co-Creating Moocs:2.0" from May 18- June 03, 2020. organized by Teaching and Learning Centre, Ramanujan College, New Delhi under PMMMNMTT scheme of Ministry Of Human Resource Development (MHRD), Government Of India.
- Two Day Workshop On Online Basic Training on use of ICT in Teaching conducted in online mode on April 20 & 23, 2020, organized by Teaching Learning Centre, Tezpur University Under PMMMNMTT scheme of Ministry Of Human Resource Development (MHRD), Government Of India.
- One Week National Online Faculty Development Program ICT Tools for Effective Teaching Learning 27 April to 2 May 2020 organized by Swami Ramanand Teerth Marathwada University, Nanded, Maharashtra
- Five-day In-house program on Best Practices in Teaching-Learning Methods and NBA Accreditation process; during 22-26 March 2017 at University Institute of Chemical Technology, North Maharashtra University Jalgaon, conducted by Engineering Staff College of India, Hyderabad.
- Two-day workshop on Capacity Enhancement; during 24-25 July 2016 at University Institute of Chemical Technology, North Maharashtra University Jalgaon, conducted by Saitej Life Institute, Nashik.
- TEQIP sponsored "International Winter School and Hands-on Training Programme on Nano biotechniques (I WiSH NanoBio: 2016)" Jointly organized by Department of Biotechnology & Centre for Nanotechnology Indian Institute of Technology Roorkee, Uttarakhand, India, during February 09-14, 2016.
- Workshop on Staff/faculty improvement and personality development arranged by UICT, North Maharashtra University, Jalgaon, dated 22-23 July 2016.
- National Education summit (VIBRANT GUJRAT-2014) "Towards Educating Young India" organized by Education Department, Govt. of Gujarat at Gandhinagar held on 10-11 January 2014.
- District level AVISHKAR-2013 on 5th October 2013 at North Maharashtra University, Jalgaon.
- Celebration of International year of Chemistry at School of Chemical Sciences, North Maharashtra University, Jalgaon on 26 December 2011.

Responsibilities Shouldered

- Expert for the evaluation of Poster and Model Presentation in senior and junior category at Science Exhibition, National Sciences day organized on 28th February 2019 by University Institute of Chemical Technology, Kavayitri Bahinabai Chaudhari North Maharashtra University, Jalgaon.
- Member of Academic Committee, at UICT, KBC NMU, Jalgaon (2016-2019).
- Member of Examination committee, at UICT, KBC NMU, Jalgaon (2016-2019).
- Organizing committee member of annual cultural program-Open House, at UICT, KBC NMU, Jalgaon (2014-2019).
- Organizing committee member, AVISHKAR-2017, KBC NMU, Jalgaon
- Coordinator (Institutional level), MAHAWALKTHON-2018, at KBC NMU, Jalgaon
- Administrative officer (AO) for Central Assessment Programme (CAP) Oct/Nov/Dec 2018 examination BSc under the faculty of Sciences and Technology held in Kavayitri Bahinabai Chaudhari North Maharashtra University, Jalgaon from 17/11/2018 to 28/12/2018.
- Administrative Officer (AO) for Central Assessment Programme (CAP) March/Apr/May 2018 examination of MSc under the faculty of Sciences and Technology held in Kavayitri Bahinabai Chaudhari North Maharashtra University, Jalgaon from 26/04/2018 to 01/06/2018.
- Administrative Officer (AO) for Central Assessment Programme (CAP) Oct/Nov/Dec 2017 examination of Engineering and Technology and MSc under the faculty of Sciences and Technology held in Kavayitri Bahinabai Chaudhari North Maharashtra University, Jalgaon from 16/12/2017 to 01/02/2018.

Life Membership of Research/Academic Organization

1. The Institute of Materials, Minerals and Mining (IOM3), London (749848).
2. Indian Chemical Society, Kolkata (F/7975(LM)).
3. Chemical Research Society of India, Bangalore (LM 1912).
4. Association of Chemistry Teacher, Mumbai (1996).

5. Hong Kong Chemical, Biological & Environmental Engineering Society (HKCBEEES). Kowloon, Hong Kong, China. (202936)

Work History

- ❖ Adapted teaching methods and class materials to suit student needs.
- ❖ Utilized innovative teaching methods to encourage student learning objectives.
- ❖ Created new lesson plans based on course objectives.
- ❖ Planned and executed activities to promote Research and development.
- ❖ Successfully improved student participation in the classroom through integration of creative role-playing exercises.
- ❖ Planned appropriate and engaging lessons for both classroom and digital learning applications.

Contact Detail

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