



Dr. Charita Bhushan Patil

DESIGNATION: Professor & Head, Department of Chemistry

ACADEMIC QUALIFICATION: Ph.D., M.Sc., B.Ed.

WORK EXPERIENCE: 20 Yrs.

Research Contribution

- Robin Cook's COMA – The study. Online Journal Knowledge Resonance (June 2020), ISSN No. 2231-1629
- Green Chemistry and Microscale Technique: A Move towards Environment Friendly approach. Online Journal IJRASET (JAN. 2020), ISSN No. 2321-9653
- Best Out of Waste: Multifunctional Ingredient in Cosmetics. Online Journal -Research Journey (Feb. 2019), ISSN No. 2348-7143
- Multifunctional material from waste, Online Journal IJCESR (Feb. 2019), ISSN No. (PRINT 2393-8374, (Online) 2394-0697
- Mosquito borne diseases: Threat for Women health in Pregnancy, Online Journal IJRAR (Dec. 2018), E-ISSN 2348-1269, P-ISSN 2349-5138
- Ecofriendly mosquito repellent: Recent trend in environmental science, Online Journal AIIRJ (Mar. 2018), ISSN No. 2349-638X
- Chalcone Synthesis of (e)-1-(5-chloro-2-hydroxy-4-methylphenyl)-3-(4-bromophenyl) prop-2-en-1-one and 4-chloro-5-methyl-2-(5-(4-bromophenyl) -4,5-dihydro-1H-pyrazol-3-yl) phenol and its derivatives, Online Journal IJRITCC (Oct. -2015) ISSN No. 2321-8169
- Design, Synthesis and Antimicrobial Evaluation of Xanthone Nucleus Unified with Thiadiazoles Schiff's Base Scaffolds, Online Journal JMCDD (Aug. -2015), ISSN No. 2347-9027
- Synthesis of (E)-1-(5-chloro-2-hydroxy-4-methylphenyl)-3-(4-nitrophenyl) prop-2-en-1-one and 4-chloro-5-methyl-2-(5-(4-nitrophenyl) -4, 5-dihydro-1h-pyrazol-3-yl) phenol and its derivative, Online Journal IJRITCC (May -2015) ISSN No. 2321-8169

- Retrosynthesis Favors e-Chemistry, Online Journal IJBAT (Jan.- 2014), ISSN:2347-517X
- QSTR and POM Studies of Propionic Acid Derivatives as Non-Steroidal Anti Inflammatory Drugs, Online Journal JMCDD (Apr.- 2013), ISSN: 0223-5234

Research Projects

- Minor Research Project on Synthesis of new Pyrazolines and substituted Pyrazolines from new chalcones. UGC Funded
- Major Research Project on Eco-friendly and economical Orange peel mosquito repellents. DST (Department of Science and Technology) under Women Scientist Scheme B (WOS-B).

Papers Published in Conference

International Level

- Mosquito Borne Disease: Threat For Women Health in Pregnancy Women Empowerment & Leadership Dhote Bandhu Science College, Gondia, (Nov. - 2018)
- Multifunctional Material From Waste, ICMAM Kamla Nehru Mahavidyalaya & Dharampeth College, Nagpur, (Oct. – 2018)
- Design, synthesis and topological data of novel heterocyclic ring systems consisting of substituted thiadiazole & xanthone rings, ICFM 2015, RTM Nagpur University & SK Porwal College, Kamptee, (Feb. – 2015)
- Green Chemistry, AAMSD, Dr Ambedkar College & CSIR Neeri, Nagpur (Jan. – 2014)

National Level

- Best Out of Waste: Multifunctional Ingredient in Cosmetics Emerging trends in science, SSSKR Innani Mahavidyalaya, Karanja, Dist. Washim, (Feb. - 2019)
- Role of Educators Stagnant Water Breeding Site for Mosquitoes, AQUA Conference LAD College Shankarnagar Nagpur (Dec. – 2018)
- Eco-friendly: Recent trends in Mosquito Repellency, IHC 2018 Hislop college Nagpur and IGNOU Regional centre Nagpur, (Mar. – 2018)
- Green Chemistry in Mosquito Repellency Recent Advances in Chemical Sciences Department of Chemistry Shri Shivaji Science College Akola, (Feb. – 2018)
- Eco-friendly Synthesis of Triazoles from Thiadiazoles, NCCS -2016 SGB Amravati University, Amravati, (Jan. – 2016)
- Pharma core Features Of Antimalarial Activity Of Organophosphorus Compounds CoMFA and QSAR Analysis, NCCS-2016 SGB Amravati University, Amravati, (Jan. – 2016)
- Rediscovering Ganesha ECOMAT – 2013 Hislop College & VMV College, Nagpur, (Sept. – 2013)

- Combining Molecular Docking and POM Approaches For Anti-Inflammatory Activity of Some Novel Quinazoline Derivatives, Vasant Rao Naik Mahavidyalaya, Aurangabad (NCCTCR -2012)
- Identification of Anti-Bacterial And Antifungal Pharmacophore Sites For Potent Bacteria and Fungi Inhibition: POM Theoretical Calculations of Benzimidazole Derived CU(II) Complex, Vasant Rao Naik Mahavidyalaya, Aurangabad (NCCTCR -2012)
- QSAR Analysis Of Anti-Malarial Activity Of Synthetic Oligo – Pyrrole Derivatives Against Multi Drug Resistant Strain Of Plasmodium Falciparum, Vasant Rao Naik Mahavidyalaya, Aurangabad (NCCTCR -2012)

State Level

- Recent Trends in Green Chemistry, RTGC – 2016 Hutatma Rajguru College, Rajgurunagar, (Aug. – 2016)

Contribution at University Level

- Member of Interview Committee as a Subject Expert (VC Nominee), Subject Expert in Sevadal Mahavidyalaya Nagpur
- Paper Valuation- for all SEM. Of B.Sc. Winter, Summer exams, RTM University, Nagpur
- Member of Chemistry Teachers Association, RTM University, Nagpur
- Member of Board of Studies, RTM University, Nagpur
- Appointed as External Examiner for all SEM. Of B.Sc. Winter, Summer exams , RTM University, Nagpur
- Appointed as member of Interview Committee for the post of Assistant Professor in Chemistry, Sevadal Mahila Mahavidyalaya, Nagpur, by RTM University, Nagpur, Nov. – 2019
- Member of Inspection Committee of new college N M Science College, Inspection of new college, by RTM University, Nagpur, Nov. - 2019
- Appointed as Questions Bank Moderator for B.Sc. Applied Electronics & Software Technology – Sem. II by RTM University, Nagpur, Summer – 2022
- Appointed as member of Selection Committee for the post of Contributory Lecturer, Dharampeth College Nagpur, by RTM University, Nagpur , Sept – 2022

College Committee Level Responsibilities undertaken

Committee Convenorship & Memberships:

- Member of Wall Magazine Committee
- Member of Cleanliness Committee
- Member of SQAC
- Member of Training & Placement Cell
- Convener of College Exam Committee, Paper Settings, Invigilation & Valuation.
- Convener of Mentor Committee
- Co-Convener of Feedback Committee
- Vice President of Credit Co-Operative Society
- Member of Cultural event-Aura

- Convener of Time Table Committee
- Member of Admission Committee
- Member of IQAC Core committee (NAAC)
- Co-Convener of Pradhanmantri Koushalya Yojna (Skill Development Programme)

**Training Courses, Teaching-Learning Evaluation Technology Programmes,
Faculty Development Programmes (Not Less Than One Week Duration)**

- Orientation Course Academic Staff College, RTM Nagpur University, Nagpur from 02/07/2008 to 29/07/2008.
- Refresher Course, Academic Staff College, SGB Amravati University, Amravati from 15/11/2010 to 04/12/2010.
- One Week Short Term Course, VNIT Nagpur, From 27/01/2016 to 31/01/2016.
- One Week Short Term Course HRDC, SGB Amravati University, Amravati From 21/11/2016 to 26/11/2016