



DR. SPRUHA A. GHARAD

DESIGNATION: ASSISTANT PROFESSOR,
DEPARTMENT OF CHEMISTRY

ACADEMIC QUALIFICATION: M.SC., B.ED.,
PH.D.

WORK EXPERIENCE: 11 YEARS

Research Contribution

Journal Publications

- "Synthesis of quinoline-based [1,2,4]-dithiazolidines through sulfur-sulfur bond formation and their evaluation as anti-inflammatory and antibacterial agents". Published in Phosphorus, Sulfur, and Silicon and the Related Elements, Taylor & Francis, 2016, Volume 191.
- "Synthesis, characterization and antibacterial study of 1-arylamido-3-chloro-4-(2-chloroquinolin-3-yl)-azetidines". Published in Journal of Indian Chemical Society, Indian Chemical Society, 2016, Volume 93.
- "Synthesis and anticancer activity of bis-(N-glucosylated triazolothiadiazolyl) alkanes via cyclocondensation reaction involving C-S and C-N bond formation". Published in Phosphorus, Sulfur, and Silicon and the Related Elements, Taylor & Francis, 2015, Volume 190.

Posters Presented in Conferences

- Presented poster (Title: Synthesis and characterization of 3-(phenylimino)-4[(2-chloroquinolin-3-yl) methyleneamino]-5-(arylimino)-1,2,4-dithiazolidines) in International conference on 'Applications of Advanced Materials for Sustainable Development' on 17th-18th Jan 2014 organized by Dr. Babasaheb Ambedkar College, Nagpur, in association with CSIR-NEERI.
- Presented poster (Title: Synthesis and Characterization of 1-arylamido-3-chloro-4-(2-chloroquinolin-3-yl)-azetidines) in International conference on 'Futuristic Materials and Emerging Trends in Forensic and Life Sciences' on 5th-7th Feb, 2015 organized by Dept. of Chemistry, RTMNU, Nagpur.

- Presented poster (Title: Synthesis and Characterization of 3-arylimino-[1,2,4]-triazolo[3,4-b][1,3,4]quinolino thiadiazepines) and won **third prize** in National Conference on Thermodynamics of Chemical and Biological Systems on 26-28th October, 2023 organized by Dept. of Chemistry, RTMNU, Nagpur.

Workshops and FDP attended

- Attended a Faculty Induction Training Programme at G. H. Raisoni Academy for Human Excellence, Nagpur held from 9 August to 11 August, 2010.
- Attended a one-day workshop on 'Effective Classroom Management' at G. H. Raisoni Academy for Human Excellence, Nagpur.
- Participated in UGC Sponsored 21 days 'Interaction Programme for Ph.D. Scholars' at Academic Staff College, Nagpur from 5 March to 25 March, 2014.
- Completed a one-week Faculty Development Program on "Jmol Application" Organized by Department of Chemistry, Bajaj College of Science, Wardha in association with Spoken Tutorial Project, IIT Mumbai from 8 May to 14 May, 2020.
- Attended one-day National Online Workshop on "Intellectual Property Rights and Innovations" jointly organized by Research promotion committee (IQAC) and Institution's Innovation Council, Bajaj College of Science, Wardha on 19 December, 2020.
- Participated in five days Faculty Development Program and Faculty Induction Program organized by LAD College from 9 October to 13 October, 2023.
- Completed a 2 Credit Swayam Course 'NEP-2020: Professional Development Programme' from 1 December to 31 December, 2023
- Participated in One-week National Workshop on Intellectual Property Rights- (Patents and Industrial designs) from 18th March to 22nd March, 2024 organized by Research and Development Cell in association with PGTD of Law, IQAC and IPR Cell, RTMNU, Nagpur.

Contribution at University Level

- Appointed as a Question Bank Setter for Online Summer 2021 Examination, Second Semester Bachelor of Applied Electronics and Software Technology (Subject- Applied Chemistry)
- Appointed as a Paper Setter for Bachelor of Applied Electronics and Software Technology Semester II Summer 2023 Examination (Subject-Applied Chemistry)

- Appointed as an Internal Examiner for B.Sc. Sem I RTMNU Practical Exam Winter 2023-24 and B.Sc. Sem VI RTMNU Practical Exam Summer 2023-24.
- Valuation of papers of BSc Chemistry Odd and Even Semesters College/University Examination, 2021-2024

College Committee Convenorship and Membership

- NAAC Criteria - 6 Committee: Member.
- Chemical Society Activities (Chemistry Department):
 - Annual Prize Distribution 2024: Committee Member responsible for letters to prize winners.
 - Science Day Program 2024: Teacher Incharge for the installation of the Chemical Society.
 - Skill Development Workshop on ChemDraw Software (16 March 2023): Convenor and Resource Person for the workshop.
 - Workshop on Floor Cleaner Preparation (13 and 15 April 2023): Member.
 - Scintilla Magazine (2021-22 and 2022-23): Advisory Board Member.
- National Level Conference 'Green Earth - Clean Earth': Venue arrangement and Technical Support Team Member for the conference organized by L.A.D College, Nagpur, on 10 February 2023.
- AURA 2024: Teacher Incharge for Rangoli Competition.
- Food and Drug Administration Lab Visit, Nagpur (22 February 2023): Member.