

**Dr. Pratiksha Navanath Baraskar**

Assistant Professor in Chemistry

R.P. Gogate college of Arts and Science and R.V.

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**Educational Qualifications:**

Ph.D in chemistry (University of Mumbai)	2025
M.Sc Analytical Chemistry (University of Mumbai)	2013
B.Ed (University of Mumbai)	2011
B.Sc Chemistry (University of Mumbai)	2010

**Current status:**

Working as Assistant Professor in R.P. Gogate college of Arts and Science and R.V. Jogalekar College of Commerce, (Autonomous) Ratnagiri.

**Worked as visiting faculty for Post-Graduation in Chemistry:**

- Ratnagiri Sub-centre, University of Mumbai, MIDC Mirjole, Ratnagiri.

**Role in University and Autonomous college administration, Curricular, Co-Curricular and Extra Curricular Activities:**

- Theory and Practical exam paper setter and examiner for Mumbai University exam. (M.Sc. Sem III, IV Analytical Chemistry).
- Theory exam paper setter and practical examiner for M.Sc.part II Analytical chemistry at A.S.P. Arts, Commerce and Science College Devrukh (Autonomous), Dist Ratnagiri.
- Theory exam paper setter for M.Sc. part II Analytical chemistry at Shri Pancham Khemraj Mahavidyalaya, (Autonomous) Sawantwadi.
- Member of Science Association.
- Member of Marathi Vidnyan Parishad
- Member of WDC
- Paper presented at zonal level Avishkar inter university competition held at A.C.S College, Lanja.
- Research project presented at zonal level Avishkar inter university competition held at University of Mumbai.
- Designed and organized Certificate course in soil analysis conducted by department of Chemistry under PM-USHA scheme.

**Consultancy Services:**

- Worked as an Analyst and data operator in the Shraddha Parshuram Analytical Laboratory (Soil Testing), under consultancy services of Dept. of Chemistry Gogate Jogalekar College Ratnagiri.

### **Faculty Development Programme:**

- Successfully Participated in FDP on 'MOODLE Learning Management System' organized by IQAC, University of Mumbai on 5<sup>th</sup> to 8<sup>th</sup> August 2020.
- Participated in One Week STTP on 'INNOVATIONS IN PHYSICS & CHEMISTRY'
- Successfully Participated in FDP on Exploring Indian Knowledge System through Yoga under PM-USHA scheme from 22<sup>nd</sup> to 26<sup>th</sup> April 2025.
- Participated in FDP on Advanced Semiconductor Materials and Emerging Devices for Energy, Sensing and Biomedical Applications held from 26<sup>th</sup> May 2025 to 30<sup>th</sup> May 2025 in HBTU Kanpur.
- Participated in one-week national level online faculty development program on "Innovative and Effective Teaching Technique" from 19<sup>th</sup> to 25<sup>th</sup> June 2025

### **Achievements:**

- Participated in 7-Day online national workshop on 'RESEARCH METHODS AND TECHNIQUES' jointly organized by RAMANAND ARYA D.A.V. COLLEGE & UNIVERSITY OF MUMBAI (Date: May 04 to May 10, 2020).
- Participated in One day national level seminar on Advances in material science.
- Participated in One Day Workshop On Revised Syllabus (CBCS) for the First Year M.Sc. Chemistry (Semester I & II) jointly organized by Board of Studies in Chemistry, Mumbai University and Department of Chemistry, Athalye-Sapre-Pitre college Devrukh on Friday, October 06, 2017.
- Participated in Two Days National Workshop on Advanced Spectroscopic Techniques Organized by R.E. Society's R.P. Gogate College of Arts and Science and R. V. Jogalekar College of Commerce Ratnagiri In Association with Royal Society of Chemistry, West India Section (WIS), on 9<sup>th</sup> and 10<sup>th</sup> February 2018.
- Participated in SET/NET Workshop in Chemical Sciences Organized by Department of Chemistry Ratnagiri Sub-Centre University of Mumbai.
- Poster presentation in the International Conference on Recent Development in Chemical Science Organized by Department of Chemistry, Mumbai on 8<sup>th</sup>, 9<sup>th</sup> March 2018.
- Actively Participated in National Online Webinar on 'Research Design and Hypothesis' Organized by Department of Commerce and IQAC on 20th July 2021.
- Actively participated in Online National Webinar on Intellectual Property Rights (IPR) entitled "R & D and Patenting: Synergistic Approach" organised by Department of Chemistry in collaboration with IQAC (Internal Quality Assurance Cell), Wilson College, Mumbai held on 29<sup>th</sup> January 2022
- MS-DEED Level 1 Blended Workshop on Introduction to Innovative Assessments And Alignment with Outcomes for UG Teachers in collaboration with Indian Institute of Science Education and Research Pune R.P. Gogate College of Arts & Science and R. V. Jogalekar College of Commerce (Autonomous), Ratnagiri, held on from 3<sup>rd</sup> February to 4<sup>th</sup> and 10<sup>th</sup> February 2024.

- Actively participated in RUSA sponsored, “Four-credit workshop on research Methodology” organized by Chikitsak Samuhas’s Patkar-Varde college, Mumbai.
- Participated in National level workshop on Operation and Maintenance of Laboratory Equipment’s organized by Department of Chemistry under DBT Star Scheme, in association with WRIC, Mumbai.
- Oral Presentation in the International Conference on “Novel Swings In Chemical Sciences (NSCS-2022)” organized by Internal Quality Assurance Cell (IQAC) and Department of Chemistry in Collaboration with Happy Women Global held on 23<sup>rd</sup> December 2022.
- Oral Presentation in the International Conference on Environment And Society(ICES 2022) organized by Jiwaji University, Gwalior (M.P.), India In Association with National Institute of Disaster Management (NIDM), Ministry of Home Affairs, Govt. of India | Glocal Environment & Social Association (GESA), New Delhi Govt. KRG PG (Autonomous) College, Gwalior (M.P.) | Govt. P.G. (Autonomous) College, Datia (M.P.) Mahakaushal University, Jabalpur (M.P.) Nepal Aquaculture Society Kathmandu, Nepal Asian Biological Research Foundation (ABRF) Prayagraj, India held on 24<sup>th</sup> December 2022.
- MS-DEED Level 1 Workshop on Introduction to “Innovative Pedagogies and Assessments” held on 31<sup>st</sup> January to 2<sup>nd</sup> February 2025, organized by Gogate Jogalekar College (Autonomous), Ratnagiri.
- Participated in RUSA sponsored, “Two days’ workshop on the theme national education policy 2020” held on 24<sup>th</sup> and 25<sup>th</sup> June 2024 held at Dapoli urban bank senior science college, Dapoli.
- Participated in two days international E conference on Bridging Chemistry and Physics for sustainable future (ICBCPSF-2025), held from 28<sup>th</sup> to 29<sup>th</sup> April 2025 organized by Department of Chemistry, Physics and IQAC of Loknete Gopinathji Munde Arts, Commerce and Science College, Mandangad.

#### **Research Area:**

- Polymer chemistry, Material science.

#### **Minor Research:**

- Removal and recovery of Chromium metal from wastewater using polyaniline synthesized on plant fiber.

#### **Research papers Published:03**

- **P. N. Baraskar**, V. L Gurav, R. A. Samant, (2023). Extraction of Kraft Lignin from waste coconut pith and its application for removal of heavy metal ions from industrial effluent. *Analytical Chemistry Letters*13(6):660-681
- **P. N. Baraskar**, R. A. Samant, & V. L Gurav, (2023). Removal of heavy metal ions using nano-cellulose prepared from rice husk: validation by differential pulse voltammetry. *Anal. Chem. Lett.*13 (4):432 -450.

- **P. N. Baraskar**, V. L Gurav, R. A. Samant, (2024), “Efficient removal of heavymetal ions by modified cellulose prepared from Rice Husk: Equilibrium isotherms, Kinetics and desorption Studies” Anal. Chem. Lett. Accepted for publication.

**Seminar/ Workshop/ conferences participation:**

Total number of papers presented in international/ national conferences: 04

Total number of Seminar/ Workshop attended: 11

**Aavishkar research Convention:**

Total number of project guided for Aavishkar research Convection: More than 10

**Key skills:**

- Best knowledge about instrument handling like UV-visible spectrophotometer, Atomic absorption spectrophotometer, flame photometer, Potentiostat, FTIR and others.
- Special training was taken for “Soil testing” held at District Soil Survey and Soil Testing Laboratory, Pomendi Khurd, Ratnagiri on 12<sup>th</sup> December 2017.