

ROYAL COLLEGE OF ARTS, SCIENCE & COMMERCE

(Autonomous)



Dr. Vibha Sachin Bhagat

Assistant Professor

Department of Chemistry , Royal College

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Professional Experience:

- ❖ Assistant Professor in Department of Chemistry at Royal College of Arts, Science & Commerce, Mira Road since 2012
- ❖ Subject Taught: Organic Chemistry and Drugs and Dyes at UG level

Research Areas:

- ❖ Synthetic Organic Chemistry
- ❖ Medicinal Chemistry
- ❖ Chemistry Education Research

Educational Qualifications:			
SSC	Jawahar Vidyalaya, MG Road Goregoan	1994	75.4 %
HSC	VivekVidyalaya Junior College, Sidharth Nagar Road Goregoan	1996	48.00 %
B.Sc.	Patkar College (University of Mumbai)	1999	Chemistry
M.Sc.	Department of Chemistry, University of Mumbai	2003	Organic Chemistry
PhD	The Institute of Science, Mumbai	2009	Chemistry

Funded Research Project:

- ❖ To evaluate presence of Lysine and Adipic acid from hydrolysis and degradation products of waste paper by soil microflora as renewable green source of commodity chemicals

Publications:

1. U.C Mashelkar, V Bhagat , Condensation of Carbohydrazide with Isatin, Asian J. Research Chem 7(9) 782-783 September 2014.
2. Bhagat Vibha S. Intellectual Property Right- Copyright: an review , Indian Journal of Applied Research Volume 12 Issue 06, 65-67, June 2022.
3. Bhagat Vibha S. Intellectual Property Right- Trademark: General review , Global Journal for Research Analysis ,Volume 11 Issue 06, 38-41, June 2022.

Book Chapter Publication

- **Bhagat, V. S.** (Co-author). *“Nanoparticles: A Tool for Covid-19 Management and Control.”* **Basics of Nanosciences**, Lenin Media Private Limited, Delhi. ISBN: 978-93-93473.

Paper Presentations:

”Significance of Industrial Visits and its Alignment with Prescribed Syllabus for Concept Building in Chemical Science Education” : International Conference on *Basic Sciences for Sustainable Development* , **Organized by** Sir Sitaram and Lady Shantabai Patkar College of Arts and Science

Academic Development Programmes, Orientation & Refresher Courses Attended

Actively participated in various Orientation Programmes, Refresher Courses, Faculty Development Programmes (FDPs), and Short-Term Training Courses sponsored by UGC, Ministry of Education, and premier National Institutions to enhance teaching competencies, subject knowledge, and pedagogical skills in Chemistry education.

Details of Courses Attended

1. **Orientation Programme**, organized by *Guru Jambheshwar University of Science & Technology (GJUST)*, Hisar, Haryana, sponsored by **UGC**, from **14 April 2014 to 12 May 2014**.
2. **Refresher Course in Chemistry**, conducted at *Rani Durgavati Vishwavidyalaya (RDVV)*, Jabalpur, Madhya Pradesh, sponsored by **UGC**, from **30 May 2016 to 18 June 2016**.
3. **Short-Term Course on “Train the Trainer: Enhancing Chemistry Teaching Skills”**, held at *SP College, Pune*, under **MHRD – PMMMNMTT**, from **10 May 2018 to 15 May 2018 (6 days)**.
4. **Short-Term Course on “Alternative Approaches to Designing Experiments for the Undergraduate Laboratory”**, organized by *Homi Bhabha Centre for Science Education (HBCSE)*, TIFR, Mumbai, from **17 November 2018 to 22 November 2018 (6 days)**.

5. **Online Refresher Course in Chemistry for Higher Education**, conducted by *Sri Guru Tegh Bahadur Khalsa College, University of Delhi*, under **MHRD–ARPIT, SWAYAM & UGC**, from **01 September 2019 to 31 December 2019**.
6. **Faculty Development Programme (FDP) on “Managing Online Classes & Co-Creating MOOCs 2.0”**, organized by *Teaching Learning Centre, Ramanujan College, University of Delhi*, under **Ministry of Education (PMMMNTT)**, from **18 May 2020 to 03 June 2020 (Two Weeks)**.
7. **Faculty Development Programme on “Safer and Greener Chemistry Labs”**, conducted by *Sri Guru Tegh Bahadur Khalsa College, University of Delhi*, sponsored by **Ministry of Education (PMMMNTT)**, from **19 July 2022 to 25 July 2022**.
8. **Faculty Development Programme on “Introduction to Innovative Pedagogies for Science and Mathematics Undergraduate Teachers”**, organized by *IISER Pune* under **MS-DEED and IISER**, from **14 September 2022 to 16 September 2022 (3 days)**.
9. **Refresher Course in Chemistry**, organized by *UGC-MMTTC, Kumaun University, Uttarakhand*, from **18 September 2024 to 01 October 2024**, sponsored by **UGC-MMTTC**.
10. **NEP-2020 Orientation and Sensitisation Programme**, conducted by *UGC-MMTTC, Kumaun University, Uttarakhand*, from **21 October 2025 to 30 October 2025**, sponsored by **UGC-MMTTC**.