




Shivaji College Faculty Details Proforma

Title	First Name	Last Name	Photograph
Dr.	Parveen	Gahlyan	
Designation	Assistant Professor		
Address	H.No. 76, Pocket-12, Sector-20, Rohini, Delhi-110086		
Office Phone No.			
Residence			
Mobile	8860181835		
Email	Parveengahlyan123@gmail.com		
Web-Page			
Educational Qualifications	Ph.D. (Organic Chemistry)		
Degree	University/Institute		Year
Ph.D.	Department of Chemistry, University of Delhi		2019
M.Sc.	Kirori Mal College, University of Delhi		2014
UG	Kirori Mal College, University of Delhi		2012
Career Profile			
Kirorimal College, 2 nd February, 2019 to 6 th March 2020, Guest Assistant Professor.			
Administrative Assignments			

Areas of Interest/Specialisation	
<ul style="list-style-type: none"> • Synthesis of heterocyclic compounds of pharmaceutical interest and their biological evaluation. • Design and synthesis of metal sensors and their biomedical applications. 	
Subjects Taught	
Basics and hydrocarbons Organic Spectroscopy Carbohydrate Chemistry Heterocyclic Chemistry General Organic Chemistry	
Innovation Project/Research Projects (Major Grants/Research Collaboration)	
Publications Profile (Research Papers/Books)	
<ol style="list-style-type: none"> 1. Design, Synthesis, Evaluation and Molecular Docking Studies of Novel Triazole Linked 1,4-Dihydropyridine-isatin Scaffolds as Potent Anticancer Agents. Nidhi Deswal, Ankita Shrivastava, Md. Summon Hossain, Parveen Gahlyan, Rashim Bawa, Rinkoo Devi Gupta, and Rakesh Kumar. ChemistrySelect 2021, 6, 717-725 2. Novel 1-Triazolylpyranopyrazoles as Highly Potent Anticancer Agents Obtained via MW-Assisted Synthesis. Rakesh Kumar, Neha Yadav, Ankita Leekha, Rashim Bawa, Parveen Gahlyan, Mamta Bhandari, Ritu Arora, Anita Kamra Verma, and Rita Kakkar. ChemistrySelect 2021, 6, 589-594 3. Glycerol-Triazole Conjugated Rhodamine as Colorimetric and Fluorimetric Sensor for Cu²⁺. Abhishek Verma, Parveen Gahlyan, Rashim Bawa, Soumya Ranjan Dash, Ashok K. Prasad, Rakesh Kumar. ChemistrySelect 2021, 6, 9288-9292. 4. Isatin-Triazole-Functionalized Rhodamine: A Dual Sensor for Cu²⁺ and Fe³⁺ Ions and Its Application to Cell Imaging. Parveen Gahlyan, Rashim Bawa, Harshita 	

Jain, Manu Dalela, Ankita Joshi, Dr. C.N. Ramachandran, Prof. Ashok K. Prasad, Arunjit Kaur, Rakesh Kumar. *ChemistrySelect* **2019**, 4, 7532.

5. **Pyrene appended bis-triazolylated 1,4-dihydroxyridine as a selective fluorogenic sensor for Cu²⁺.** Rakesh Kumar, Rashim Bawa, **Parveen Gahlyan**, Manu Dalela, Kajal Jindal, Pradip K. Jha, Monika Tomar, Vinay Gupta. *Dyes and Pigments* **2019**, 161, 162.
6. **Aero-gel based cerium doped iron oxide solid solution for ultrafast removal of arsenic.** Prashant Kumar Mishra, **Parveen Gahlyan**, Rakesh Kumar, and Pramod Kumar Rai. *ACS Sustainable Chemistry & Engineering* **2018**, 6, 10668.
7. **A highly sensitive pyridine-dicarbohydrazide based chemosensor for colorimetric recognition of Cu²⁺, AMP²⁻, F⁻ and AcO⁻ ions: DFT studies and practical application.** Rakesh Kumar, Harshita Jain, **Parveen Gahlyan**, Ankita Joshi, C. N. Ramachandran. *New Journal of Chemistry* **2018**, 42, 8567.
8. **Design, Synthesis and evaluation of 1H-1,2,3-Triazol-4-yl-methyl tethered 3-Pyrrolylisatins as Potent Anti-breast Cancer Agents.** Ruchi Jain, **Parveen Gahlyan**, Sonam Dwivedi, Rituraj Konwar, Sudhir Kumar, Mamta Bhandari, Ritu Arora, Rita Kakkar, Rakesh Kumar, Ashok K. Prasad. *Chemistryselect* **2018**, 3, 5263.
9. **Design and synthesis of symmetric bis-triazolylated-1,4-dihydropyridines as potent anti-breast cancer agents.** Rakesh Kumar, **Parveen Gahlyan**, Abhishek Verma, Ruchi Jain, Sharmistha Das, Rituraj Konwar, and Ashok K. Prasad. *Synth. Commun* **2018**, 48 (7), 778.
10. **Bis-triazolylated-1,4-dihydropyridine - Highly Selective Hydrophilic Fluorescent Probe for Detection of Fe³⁺.** Rakesh Kumar, **Parveen Gahlyan**, Neha Yadav, Mamta Bhandari, Rita Kakkar, Manu Dalela and Ashok K. Prasad. *Dyes and Pigments* **2017**, 147, 420.

Conference/Seminar/Faculty Development Programme/Workshop

- **Oral Presentation** in National Conference on “*Chemistry for Human Health and Environment*” held on 15-16th December, 2018, organized by Green Chemistry Network Centre, University of Delhi, India & Royal Society of Chemistry, London in collaboration with National Environmental Science Academy, Delhi, India.
- Presented Poster in International Conference on “*Advances in Analytical Sciences*” held on 15-17th March, 2018, jointly organized by Indian Society of Analytical Scientists, Delhi Chapter & CSIR-Indian Institute of Petroleum, Dehradun, India.
- Presented Poster in UGC sponsored National Seminar on “*Recent Innovations in Chemical Sciences and Environment Technology*” held on 3-4th March, 2017, Department of Chemistry, Sri Aurobindo College, University of Delhi, Delhi-110007, India.
- Presented poster in National Conference on “*Clean and Green Energy : The Chemical and Environmental Aspects*” held on 16-17th February, 2017, Department of Chemistry, Bhaskaracharya College of Applied Sciences, University of Delhi, Delhi-110007, India.
- Presented Poster in International Conference on “*New Frontiers in Carbohydrate Chemistry and Biology, CARBO-XXXI*” held on 14-16th November 2016, University of Delhi, Delhi-110007, India.
- Presented Poster in UGC sponsored National Conference in Chemistry on “*Environment and Harmonious Development*” held on 7-8th April, 2016, Department of Chemistry, Shyamlal College, University of Delhi, Delhi-110007, India.
- Presented Poster in DU-JAIST Indo-Japan Symposium on “*Chemistry of Functional Molecules/Materials*” held on 26-27th February, 2016, Department of Chemistry, University of Delhi-110007, India.

Research Guidance (Supervision of Doctoral Thesis/Dissertations)

Awards and Distinctions

- **Best Poster Presentation Award** in International Conference on “*Advances in Analytical Sciences*” held on 15-17th March, 2018, jointly organized by Indian Society of Analytical Scientists, Delhi Chapter & CSIR-Indian Institute of Petroleum, Dehradun, India.
- **Best Poster Presentation Award** in UGC sponsored National Conference in Chemistry on “*Environment and Harmonious Development*” held on 7-8th April,

2016, Department of Chemistry, Shyam Lal College, University of Delhi, Delhi-110007, India.

- Qualified National Eligibility Test (NET) and awarded Junior Research Fellowship under University Grants Commission (UGC) India, scheme in June, 2014.
- Awarded Merit scholarship from Board of School Education, Haryana, India, 2006-2008.

Memberships

Other Academic Activities

Cultural/ Extracurricular Activities

Signature of Faculty Member