

FACULTY PROFILE PROFORMA

Title (Ms/Mr/Dr/Prof)	Dr.	First Name	Shiv	Last Name	Kumar	Photograph
Designation	Assistant Professor					
Department	Chemistry					
Address (Official)	Kalindi College, University of Delhi, East Patel Nagar, New Delhi Pin- 110008					
Phone No.	9990284135					
Email	Shivchem86@kalindi.du.ac.in					
Education						
Subject	Institution			Year	Details	
Physics, Chemistry, Math	CCS University Meerut, Meerut India			2010	B. Sc.	
Organic Chemistry	CCS University Meerut, Meerut India			2012	M. Sc.	
Organic Chemistry	Department of Chemistry, University of Delhi, 110007, Delhi India			2021	Ph. D.	
Career Profile						
Organization/Institution	Designation			Duration	Role	
Kalindi College	Assistant Professor (Ad hoc)			From 1 st April 2021- to 8 th January 2024	Teaching	
Kalindi College	Assistant Professor (Permanent)			8 th January 2024 to till date	Teaching	
Research Interests/Specialization						
Transition-Metal-Free Approaches for the Construction of <i>N</i> -Heterocycles, and C-Hactivation. / Organic Chemistry.						

Activity Member: Self-Study Report Committee, Advisory Committee, Students Council Committee, Internship Committee, Member in Gender Sensitization Committee, Sports Committee			
Administrative Assignments / Contribution to corporate life			
• Examiner: The board of examiner (paper setters) for Undergraduate Three Year CBCS Semester-II(OC)/IV(OC)/VI OBE Examinations, May/June 2021 for the Academic Year 2020-21 • Examiner: The board of examiner (paper setters) for Undergraduate Three Year CBCS Semester - I/III/V and CBCSI (OC)/III(OC)/V(OC) OBE Examinations, Nov/Dec 2021 for the Academic year 2021-2022. • Examiner: Setting of question papers by the Board of Examiners (paper setters) for NEP-UGCF-2022 (Semester I) Examination February/March 2023. • Examiner: Setting of question papers by the Board of Examiners (paper setters) for NEP-UGCF-2022 P (Semester I) Examination December-2023. • Convenor: Setting of question papers by the Board of Examiners (paper setters) for NEP-UGCF-2022 Part I (Semester III) Chemistry and Society (GE) Examination December-2023. • Examiner: Setting of question papers by the Board of Examiners (paper setters) for NEP-UGCF-2022 Part I (Semester II) Green Chemistry (GE) Examination December-2024. • Examiner: setting of question papers by the Board of Examiners (paper setters) for for NEP-UGCF Examination for Regular students. Examination December-2024, Unique Paper Biomolecules-II, DSE, B.Sc. Prog, Semester: V • Examiner: Appointed as external examiner for the University of Delhi CBCS Practical for the Even semester, Academic year 2021-22. • Examiner: Appointed as an External examiner to conduct the Chemistry Practical Examination Dec. 2022 at Department of Chemistry ARSD College • Examiner: Appointed as an External examiner to conduct the Chemistry Practical Examination Feb. 2023 at Department of Chemistry Kirori Mal College • Examiner: Appointed as an External examiner to conduct the Chemistry Practical Examination April. 2023 at Department of Chemistry SGTB Khalsa College			
Teaching Experiences (Subject/Courses taught)			
6 Year			
Research Guidance			
Transition-Metal-Free Approaches for the Construction of <i>N</i> -Heterocycles			
Publication (Peer Reviewed/Indexed Journals)			
Year of Publication	Title	Journal (Name of the journal. Vol Issue ISSN)	Co-Author
2017	Chemoselective Oxidative Esterification and Iodocyclization of Hydroxyalkynyl Aldehydes.	<i>Asian J. Org. Chem.</i> 2017 , 6, 1893–1902	Shiv Kumar , Monika Patel, Rakesh K. Saunthwal and Akhilesh K. Verma *

2019	Dual Function of Perchloromethane: Synthesis of Chlorinated Heterocycles.	<i>Chem Com.</i> 2019 , 55, 10721--10724	Shiv Kumar , Rakesh K. Saunthwal, Kapil Mohan Saini and Akhilesh K. Verma*
2019	<i>On Water: Metal-free Synthesis of Highly Functionalized Benzothiazolylidene from ortho-Haloanilines.</i>	<i>J. Org. Chem.</i> 2019 , 84, 2689-2698	Kapil Mohan Saini, RakeshK. Saunthwal, Shiv Kumar , and Akhilesh K. Verma.
2019	<i>On Water: Iodine-Mediated Direct Construction of 1, 3-Benzothiazines from ortho-Alkynylanilines by Regioselective 6-Exo-dig Cyclization</i>	<i>Org. Biomol. Chem.</i> 2019 , 17, 1477-0539.	Kapil Mohan Saini, RakeshK. Saunthwal, Shiv Kumar , and Akhilesh K. Verma.
2021	<i>Super-Base Catalyzed Mono-Selective Deuteration of Alkynes</i>	<i>Asian J. Org. Chem.</i> 2021 , 10, 2365 –2369.	Shiv kumar , Monika Patel, and Akhilesh K. Verma
2023	Experimental and computational characterisation of the molecular interactions between 1-Butyl-1-methyl-pyrrolidin-1-ium bis(trifluoromethanesulphonyl)imide and human serum albumin.	<i>Chemistry select</i> 2023 , 10, e202204159	Juhi Saraswat, Shiv Kumar and Rajan Patel ^a
2024	Virtual expedition into nature's pharmacy: Unveiling promising anticancer compounds from <i>Dendrophthoe falcata</i> through in-silico exploration	<i>Computational and Theoretical Chemistry</i> , 1240 , 2024 , 114795	Shiv Kumar , Shilpika Bali Mehta, Fernando Berton Zanchi, Juhi Saraswat
2024	Exploring Copyright Protection and Piracy Challenges in the Entertainment Sector	<i>Journal of Intellectual Property Rights</i> , 29, 2024 , 551-559	Juhi Saraswat ¹ , and Shiv Kumar

Seminar/Workshop/Conferences Presentation/Organization

- **ORAL PRESENTATION** Chemical Biology & Translational Therapeutics” held on 22nd july, **2026**, in Hansraj College, University of Delhi, Delhi - 07, Delhi

- **Co-convenor:** National Conference Institute of Bioresources and Sustainable Development (IBSD) Committee, Kalindi College, University of Delhi, **17th -18th February 2025**, East Patel Nagar, New Delhi,
- **Convenor:** Academic fest 'Time Warp'- Where Science Meets Culture organised by BIOCENOSIS - The Biochemical Society under the Department of Chemistry, Kalindi College, University of Delhi **on 4th March, 2025**.
- **“Organizer”** Special Lectures by Eminent Scientist and Brainstorming Session on **Fostering Sustainable Catalysis. 19th-20th Jan 2024. University of Delhi.**
- **“Organizer” Annual Convention of Chemists (ACC):** Net Zero Goal & Sustainability. **20th -21st Dec 2023 IIT Delhi.**
- **eWorkshop on “Recent Advances in Inorganic Chemistry”** School of Basic Sciences (Chemistry & BioSciences) IIT Bhubaneswar, **25 - 26 March, 2022.**
- **Poster Presentation** in 6th ISNS World Congress on Nanomedical Sciences ISNSCO 2018 and Chemistry Biology Interface Synergistic in New Frontiers (CBISNF-2019) at Vigyan Bhawan, Delhi, **on January 7-9, 2019.**
- **Poster Presentation** in Recent Trends and Advancements in Chemical Sciences National Conference Delhi (DU) **29-31 March, 2019.**
- **Poster Presentation** in the **XV J- NOST** For Research Scholars (DU) **October 18-21 2019.**
- **Poster Presentation** in the 6th Biennial International Conference on “New Developments Drug Discovery from Natural Products and Traditional Medicines” being organized at NIP SAS Nagar (Mohali), India **(15th–17th November 2018).**
- **Poster Presentation** in the International Conference on “ACS on Campus” being organized by the Department of Chemistry, University of Delhi.
- **Poster Presentation** in International Conference on Emerging Trends in Drug Development and Natural Products (ETDDNP-2018) at Department of Chemistry, University of Delhi **January 12-14, 2018.**
- **Poster Presentation** in Conference on Advances in Catalysis for Energy and Environment (CACEE-2018) at Tata Institute of Fundamental Research (TIFR), Mumbai, **on January 10 2018.**
- **Poster Presentation** in Contemporary Facets in Organic Synthesis 2017 (CFOS-17) at Indian Institute of Technology Roorkee, India, **on December 22-24, 2017.**
- **Attended the International Seminar on “Effects of Pollution on Human Health”** Jointly Organised by Department of Chemistry, University of Delhi & Indian Academy of Biomedical Sciences (IABS), **on December 1st, 2017.**

- **Poster Presentation** in 53rd Annual Convention of the chemist being organized by In Chemical Society at GITAM University, Vishakhapatnam, India (27th–29th Dec, 2016).
- **Poster Presentation** in 53rd Annual Convention of the chemist being organized by Indian Chemical Society at GITAM University, Vishakhapatnam, *INDIA* (27th–29th Dec, 2016).

Faculty Development Programme:

- **One Week Faculty Development Programme**, “Applied Chemistry: A Catalyst for Scientific Transformations, SGT University During **23-28 August 2021**
- **Mahatma Hansraj Faculty Development Centre:** A Centre of MoE, Govt. of India Under Pandit Madan Mohan Malaviya National Mission on Teachers and Teaching, “**Chemistry and Biology Interface for Scientific Transformations**” **25th July - 30th July 2022.**
- Faculty Induction/Orientation Programme for “**Faculty in Universities/Colleges/Institutes of Higher Education. 21 February – 19 March, 2024. (FIP).**
- One Week Faculty Development Programme, on “**Sustainable Food Development: Integrating Socio-economic, cultural and Political Perspectives in Indian Traditions**” under Malaviya Mission Teacher Training Programme (MM-TTP) of University Grants Commission (UGC) Organized by “MM-TTC : Ramanujan College, Delhi” from 14 October, 2024 – 19 October, 2024.
- One Week Online Faculty Development Program on “**Additive Manufacturing for Sustainability and Industry 4.0**” organized by the **Department of Mechanical Engineering, Faculty of Engineering & Technology**, Jamia Millia Islamia, New Delhi, India, held during 18-22 November, 2024.
- **Online Training Programme** on “NEP 2020 Orientation & Sensitization Programme” under Malaviya Mission Teacher Training Programme (MM-TTP) of University Grants Commission (UGC) organized by Mahatma Hansraj Malaviya Mission Teacher Training Centre (MH-MMTTC), Hansraj College, University of Delhi in collaboration With Kalindi College, University of Delhi (03rd – 11th March, 2025).
- **Seven-Day International Faculty Development program** on "CHEMICAL SCIENCES AT THE CROSSROADS OF ARTIFICIAL INTELLIGENCE, SUSTAINABILITY AND HEALTH CARE organized by the PG & Research Department of Chemistry, Auxilium College (Autonomous), Gandhi Nagar, Vellore, Tamil Nadu, India. 27/07/26 to 2/08/26

Awards & Distinctions: Best Oral award: Biophysics (Biophysika-5)" organized on February 23, National 2021.Jamia Millia Islamia, A Central University by an Act of Parliament. Delhi India.
Public Service/ University Service/ Consulting Activity NO
Professional Societies Memberships NO
Projects (Major Grants / Collaborations) Institution of Eminence University of Delhi, Faculty Research Programme Grant – IoE. Ref. No./IoE/2021/12/FRP, Amount (in Rs.) 5,00,000/. 31.08.2022,
Other Details National Level Exam /Scholarships: 1. CSIR–JRF 2015 (DECEMBER) 2. CSIR–JRF 2016 (DECEMBER) 3. GATE – 2015 4. GATE – 2016 5. Senior Research Fellowship 2018 awarded by University Grants Commission NewDelhi, India 6. Junior Research Fellowship 2016, awarded by Council for Scientific and IndustrialResearch, New Delhi, India