


## 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	<a href="mailto:Shivchem86@kalindi.du.ac.in">Shivchem86@kalindi.du.ac.in</a>					
<b>Education</b>						
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.	
<b>Career Profile</b>						
Organisation/Institution	Designation			Duration	Role	
Kalindi College	Assistant Professor (Ad hoc)			From 1 <sup>st</sup> April 2021- to 8 <sup>th</sup> January 2024	Teaching	
Kalindi College	Assistant Professor (Permanent)			8 <sup>th</sup> January 2024	Teaching	
<b>Research Interests/Specialization</b>						
Transition-Metal-Free Approaches for the Construction of <i>N</i> -Heterocycles, and C-Hactivation. / Organic Chemistry.						

<b>Activity</b>			
Member: Self-Study Report Committee, Advisory Committee, Students Council Committee Internship Committee, Member in Gender Sensitization Committee,			
<b>Administrative Assignments / Contribution to corporate life</b>			
<ul style="list-style-type: none"> <li>• <b>Examiner:</b> 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</li> <li>• <b>Examiner:</b> 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.</li> <li>• <b>Examiner:</b> Setting of question papers by the Board of Examiners (paper setters) for NEP-UGCF-2022 (Semester I) Examination February/March 2023.</li> <li>• <b>Examiner:</b> Setting of question papers by the Board of Examiners (paper setters) for NEP-UGCF-2022 P (Semester I) Examination December-2023.</li> <li>• <b>Convenor:</b> 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.</li> <li>• <b>Examiner:</b> 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.</li> </ul>			
<b>Teaching Experiences (Subject/Courses taught)</b>			
4 Year			
<b>Research Guidance</b>			
Transition-Metal-Free Approaches for the Construction of <i>N</i> -Heterocycles			
<b>Publication (Peer Reviewed/Indexed Journals)</b>			
<b>Year of Publication</b>	<b>Title</b>	<b>Journal (Name of the journal. Vol Issue ISSN)</b>	<b>Co-Author</b>
2019	Dual Function of Perchloromethane: Synthesis of Chlorinated Heterocycles.	<i>Chem Com.</i> 55, 1359-7345.	<b>Shiv Kumar</b> , Rakesh K. Saunthwal, Kapil Mohan Saini and Akhilesh K. Verma*
2017	Chemoselective Oxidative Esterification and Iodocyclization of Hydroxyalkynyl Aldehydes.	<i>Asian J. Org. Chem.</i> 5, 2193-5815.	<b>Shiv Kumar</b> , Monika Patel, Rakesh K. Saunthwal and Akhilesh K.
			Verma *
2019	<i>On Water: Metal-free Synthesis of Highly Functionalized Benzothiazolylidene from ortho-Haloanilines.</i>	<i>J. Org. Chem.</i> 84, 022-3263.	Kapil Mohan Saini, Rakesh K. Saunthwal, <b>Shiv Kumar</b> , 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> 17, 1477-0539.	Kapil Mohan Saini, RakeshK. Saunthwal, <b>Shiv Kumar</b> , 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.	<b>Shiv kumar</b> , 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, <b>Shiv Kumar</b> and Rajan Patel <sup>a</sup>

#### Seminar/Workshop/Conferences Presentation/Organisation

- **“Organizer”** Special Lectures by Eminent Scientist and Brainstorming Session on **Fostering Sustainable Catalysis. 19<sup>th</sup>-20<sup>th</sup> Jan 2024. University of Delhi.**
- **“Organizer”** Annual Convention of Chemists (ACC): Net Zero Goal & Sustainability. **20<sup>th</sup> -21<sup>st</sup> Dec 2023.**
- **eWorkshop on “Recent Advances in Inorganic Chemistry”** School of Basic Sciences (Chemistry & BioSciences) IIT Bhubaneswar, **March 25 - 26, 2022.**
- **Poster Presentation** in 6<sup>th</sup> 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 6<sup>th</sup> Biennial International Conference on “New Developments Drug Discovery from Natural Products and Traditional Medicines” being organized at NIP SAS Nagar (Mohali), India **(15<sup>th</sup>–17<sup>th</sup> November 2018).**
- **Poster Presentation** in the International Conference on “ACS on Campus” being organized at 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 In Institute of Technology Roorkee, India, **on December 22-24, 2017.**
- **Attended the International Seminar on “Effects of Pollution on Human Health”** Joi Organised by Department of Chemistry, University of Delhi & Indian Academy of Biomed Sciences (IABS), **on December 1<sup>st</sup>, 2017.**
- **Poster Presentation** in 53<sup>rd</sup> Annual Convention of the chemist being organized by In Chemical Society at GITAM University, Vishakhapatnam, India (27<sup>th</sup>–29<sup>th</sup> Dec, 2016).
- **Poster Presentation** in 53<sup>rd</sup> Annual Convention of the chemist being organized by Indian Chemical Society at GITAM University, Vishakhapatnam, *INDIA* (27<sup>th</sup> –29<sup>th</sup> 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).**

#### **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 Industrial Research, New Delhi, India