


## FACULTY PROFILE

Title (Ms/Mr/Dr/Prof)	<b>Dr.</b>	First Name	<b>YOGESH</b>	Last Name	<b>SHARMA</b>	Photograph
Designation	ASSISTANT PROFESSOR					
Department	CHEMISTRY					
Address (Official)	Kalindi College, University of Delhi, Block 49, East Patel Nagar, Patel Nagar, New Delhi, Delhi-110008					
Phone No.	+91-11-45526459					
Email	yogeshsharma@kalindi.du.ac.in, yksharmadu@gmail.com <a href="https://orcid.org/0000-0002-6038-3424">https://orcid.org/0000-0002-6038-3424</a> <a href="http://pubs.iscience.in/journal/index.php/jics/about/editorialTeamBio/372">http://pubs.iscience.in/journal/index.php/jics/about/editorialTeamBio/372</a>					

### Educational Qualification

Subject	Institution	Year	Details
<b>PhD in Chemistry</b>	University of Delhi	2010	<ul style="list-style-type: none"> <li>With Senior Prof. Rajamani Nagarajan, Department of Chemistry, University of Delhi</li> <li><b>Thesis Title</b> “<i>STUDIES ON THE SYNTHESIS OF ABO<sub>3</sub> OXIDES (A= Mn<sup>2+</sup>, Fe<sup>2+</sup>, Co<sup>2+</sup>, Ni<sup>2+</sup>, Cd<sup>2+</sup> ; B= Ti<sup>4+</sup> ) BY WET CHEMICAL METHOD, THEIR CHARACTERIZATION AND APPLICATIONS</i>”</li> </ul>
<b>M. Sc.</b>	CCSU, Meerut	2003	<ul style="list-style-type: none"> <li>With I DIVISION in Organic Chemistry Specialization</li> </ul>
<b>B. Sc.</b>	CCSU, Meerut	2001	<ul style="list-style-type: none"> <li>With I DIVISION in Chemistry with other subjects i.e. Botany, Zoology etc.</li> </ul>

- Successfully completed UGC sponsored certificate course in Sanskrit Speaking with 72% marks, **2002**.
- Successfully completed certificate course in “Microsoft’s Saksham-IT Champion Training Programme (ICT)” conducted by MICROSOFT & Institute of Lifelong Learning (ILL), University of Delhi, **2015**.

- Successfully completed three months short term certificate course "Solar Technology: A Solution to Environmental Problems" conducted by Mahatma Gandhi Institute for Combating Climate Change (MGICCC) and SSNC, University of Delhi , **2019**.
  - Successfully completed "Technology Led Entrepreneurship Course" conducted by CSIR HRDG GOVT. of India and Indian Institute of Management, Bangalore (IIMB) Indian Institute of Chemical Technology, (IICT) Hyderabad, **2010**.
- Successfully completed "Add on Course on Technology and Leadership in Disaster Management" conducted by SSNC, University of Delhi, **2016**.

### **Career Profile**

<b>Organization/Institution</b>	<b>Designation</b>	<b>Duration</b>	<b>Role</b>
<b>Kalindi College, University of Delhi</b>	Assistant Professor	8 <sup>th</sup> Jan 2024 onwards as Permanent faculty	Teaching subject chemistry to students of B.Sc. (H) chemistry, B.Sc. (P) Life Sciences

<b>Swami Shradhanand College, University of Delhi</b>	Assistant Professor (ad hoc)	5th August 2011-30 September 2022	Taught chemistry to students of B.Sc. (H) chemistry, B.Sc. (P) Life Sciences, Physical Sciences
<b>Kirori Mal College, University of Delhi</b>	Assistant Professor (Guest)	20 <sup>th</sup> Feb 2011 – 21 <sup>st</sup> May 2011	Taught students of B.Sc. (H) Analytical Chemistry
<b>Indira Gandhi National Open University</b>	Academic Counselor Chemistry (Part Time Faculty)	2015-2023	Taught chemistry to students of B.Sc. (H), B.Sc. (P) Chemistry and allied sciences at centre code 0729 & 29058
<b>Research Interests/Specialization</b>			
<ul style="list-style-type: none"> <li>• Organic Chemistry</li> <li>• Materials Chemistry</li> <li>• Synthesis and characterization of nanomaterials</li> <li>• Spectroscopy</li> <li>• Magnetic, electrical and optical materials for smart devices</li> </ul>			
<b>Administrative Assignments / Contribution to corporate life</b>			
<ul style="list-style-type: none"> <li>• Actively participated as Convener/Examiner in question paper setting in Delhi University Theory/Practical Examinations since 2011.</li> </ul>			
<b><u>Responsibilities held at Kalindi College</u></b>			
<ul style="list-style-type: none"> <li>• Convener, Criteria 1, AQAR 2024-onwards</li> <li>• Convener, incubation development committee, 2024</li> <li>• Member ECA, 2024-25</li> <li>• Admission committee member, Chemistry (H) Undergraduate admissions -2024</li> <li>• Discipline committee member Lehen-2024</li> <li>• Group Songs committee member Lehen-2024</li> <li>• Member of panel to judge Nukkad Natak held during Lehen 2024.</li> <li>• Staff advisor, Chemical Society, 2021-2023, 2024</li> <li>• Staff advisor of Biocenosis (Biochemical Society) 2024-2025</li> <li>• Staff advisor Outreach Programme 2024-2025</li> </ul>			

### **Responsibilities held at SSN College:**

- Member admission committee for Chemistry (H) course **2021**.
- Convener, Editorial Board, College Magazine **2021**.
- Appointed as external examiner and internal examiner by University of Delhi for practical examinations for undergraduate science courses (**2011-2021**).
- Appointed as external examiner and internal examiner for practical examinations of undergraduate and postgraduate science courses by Amity University, NOIDA in **2011 to 2021**.
- Appointed the member of visiting team (flying squad) by University of Delhi for undergraduate Annual/Semester examinations-**2013-2014**.
- Appointed as an observer for undergraduate Annual/Semester examinations by University of Delhi-**2013-14**.

### **Contribution as Organizer**

- **Organizing Committee Member** in organizing two days International seminar on Naadyoga and world peace held at NDMC convention centre, New Delhi organized by Rajdhani College and Navyoga Foundation on 4<sup>th</sup> and 5<sup>th</sup> September **2024**.
- **Organizing Committee Member** of One Day National Seminar on Indian Knowledge System and NEP **2021**.
- **Member organizing committee** of One Day National Seminar Contribution of Scientists in Freedom Struggle, 22<sup>nd</sup> Nov. **2021**.
- **Member organizing committee** National Seminar on "**Water: Everybody's business, Drinking and cooking water quality focus on fluoride contamination and health hazards: Unawareness looms large**", University community and their sufferings, the way forward organized by Department of Chemistry, Swami Shradhanand College, University of Delhi, 21<sup>st</sup> August **2018**.

### **Teaching Experiences (Subject/Courses taught)**

#### **Theory Papers**

- Reactions and Reagents to B.Sc. (H) Chemistry II year
- Biomolecules -I B.Sc. (LS) Chemistry II year
- States of matter to B.Sc. (P) II-year students.
- Digital Empowerment SEC paper to B.Sc. (H) and B.A. (P) students.
- Bioinorganic and Inorganic Chemistry to B.Sc. (H) Chemistry I year.

- Atomic structure & chemical bonding to B.Sc. (H) I year
- FIT India VAC paper to B.Sc. and B.A. Students.
- Basic analytical chemistry to B.Sc.(H) students
- Heterocyclic chemistry to B.Sc.(H) students
- Hydrocarbons to B.Sc.(H) students and to B.Sc.(P) students.
- Green Chemistry B.Sc.(H) students and to B.Sc.(P) students.
- Chemistry of cosmetics theory and practicals B.Sc.(H) students and to B.Sc.(P) students.
- Chemistry of polymers B.Sc.(H) students and to B.Sc.(P) students.
- Spectroscopy paper to B.Sc.(H) students.
- Inorganic solids to B.Sc.(H) students.

### Research Guidance

- Following students were guided in the University of Delhi Sponsored Innovation Project SSNC-207 entitled "**Morphology Controlled Synthesis of Multiferroic Nanomaterials by Wet-Chemical Method and Their Optoelectronic, Magnetoelectric and Photocatalytic Properties**" in the year **2013-2014**

Abhinav Raj (LSIV), Kirti Kukreti (LS IV), Rahul Baloda (Chem. H II), Liyaqat Ali Kamran (Chem. H II Sem), Dushyant Tomar ( Chem. H II Sem), Vijit Vinod Nautyal (Phys. H IV Sem), Sourabh Sarkar (Phys. H IV Sem), Shalu Sharma ( LS VI Sem), Swati Sharma ( Zool H II Sem)

- Supervised Ram Dhani Sharma an undergraduate student of SSNC, University of Delhi in house summer project entitled, "**Facile Synthesis of Metal-Organic Moieties (MOMs) and Their Applications in Molecules to Materials**" in the year 2013-14.
- Guided following students of B.Sc. (H) Chemistry and B.Sc.(H) Microbiology at SSNC, University of Delhi as a part of in-house college project entitled "**Plant Extracts Mediated Synthesis of Cu and Ag Nanoparticles**" in the year 2014-15.  
Manti Kumar Saha, Priyanka, Neetu, Shweta and Vidhi Bansal

### Patents:

The Patent Office, Government of India granted patent for the invention entitled "**Decoloring and Rejuvenating Solution for Wood and Method Their of**" Patent No. 540293 on May 30<sup>th</sup>, 2024.

### Publication (Peer Reviewed/Indexed Journals) & Chapter in Books

Year of Publication	Title	Journal (Name of the journal. Vol. Issue ISSN)/ Publishing House	Co-Authors
2024	Green route to fabrication of Semal- ZnO nanoparticles for efficient solar- driven catalysis of noxious dyes in diverse aquatic environments	<i>Frontiers in Chemistry</i> (2024). <a href="https://doi.org/10.1007/s11581-024-05757-1">https://doi.org/10.1007/s11581-024-05757-1</a>	Ratan Lal, Tripti Gour, Narendra Dave, Kuldeep Sharma

<b>2024</b>	Biogenic production of eco-friendly Arjuna-ZnO NPs for sunlight activated efficient degradation of organic dyes of high commercial use	<i>Journal of Saudi Chemical Society</i> (2024). <a href="https://doi.org/10.1080/10715762.2023.2298857">https://doi.org/10.1080/10715762.2023.2298857</a>	Ratan Lal, Anukriti Sharma, Tripti Gour, Narendra Dave, Kuldeep Sharma etc.
<b>2022</b>	<b>Chapter in book</b> 'Nanotechnologies in the Renewable Energy Sector'	In: <i>Alok Patel, Amit Kumar Sharma (eds.) Renewable Energy Innovations: Biofuels, Solar, and Other Technologies</i> Publisher Wiley-Scrivener, USA pp 39-77	<u>Yogesh Kumar, Sweta Sharma, Meenal Gupta</u>
<b>2021</b>	<b>Chapter in book</b> 'Modulation of polymer-based immobilized enzymes for industrial scale applications'	Elsevier Inc. ISBN 978-0-12-819206-1	<u>Alka Dwevedi, Raman Dwivedi etc.</u>
<b>2018</b>	Preparation and properties of wax emulsions, wax dispersion and their applications in coatings	International Journal of Engineering & Scientific Research, Vol.6, pp 118, ISSN 2347-6532	<u>G.Gaur</u>
<b>2018</b>	Preparation and applications of Butyl Acrylate, Acrylonitrile, Methacrylic Acid based polymers	International Journal in Physical and Applied Sciences, Vol. 5, pp18, 2018, ISSN 2394-5710	<u>G.Gaur</u>
<b>2017</b>	<b>Chapter in book</b> 'New Pesticides and Soil Sensors'	Soil sensors: Detailed insight into research updates, significance, and future prospects. Elsevier, 2017, Pages 561-594 <a href="https://doi.org/10.1016/B978-0-12-804299-1.00016-3">https://doi.org/10.1016/B978-0-12-804299-1.00016-3</a>	Alka Dwevedi, Promod Kumar etc.

<b>2017</b>	Preparation, properties and applications of Alkyl Acrylate and Styrene based polymers	International Research Journal of Natural and Applied Sciences, Vol.4, pp228, 2017, ISSN 2349-4077	G.Gaur
<b>2016</b>	Preparation, properties exploration of phytochemicals found in terminalia sp. and their antiretroviral activities	Pharmacogn Rev. Vol.10 Issue 20, Jul-Dec 2016; pp 73–83, ISSN 0973-7847	Alka Dwevedi
<b>2016</b>	Nanoparticles: Miraculous particles as drug carrier	International Journal of Engineering, Science and Mathematics, Vol. 5, pp 146,2016, ISSN 2320-0294	Hemandra K Tiwari, G.Gaur
<b>2016</b>	Facile route synthesis of Ilmenite MnTiO <sub>3</sub> : Its electrical and structural studies	International Journal in Physical & Applied Sciences, Vol.3, pp 67, 2016, ISSN 2394-5710	G.Gaur
<b>2015</b>	Cadamba: a miraculous tree having enormous pharmacological implications,	Pharmacogn Rev. Jul-Dec 2015; Vol. 9, Issue 18, pp 107–113. ISSN 0973-7847	Alka Dwevedi, Kuldeep Sharma
<b>2015</b>	Preparation of microemulsion of acrylic binder for surface impregnation,	International Journal of Engineering and Scientific Research, Vol. 3, pp 223, 2015, ISSN: 2347-6532.	G.Gaur
<b>2014</b>	Water proofing: an overview of efficacy and economics	International Journal of Research in Engineering and Applied Sciences, Vol.4, pp. 71, 2014, ISSN 2249-3905	G.Gaur

<b>2014</b>	Synthesis and evaluation of novel hydroxamic acids as potent antibacterial and antifungal agents	Advanced organic chemistry letters, Vol.1, pp. 1, 2014, ISSN 2348 – 1889.	Jitendra Kumar
<b>2014</b>	Inhibition of plasmeprin II, a malarial aspartic hemoglobinase from Plasmodium falciparum by novel peptidomimetic small molecules	International Journal in Physical & Applied Sciences, Vol. 502, pp 64, 2014, ISSN 2394-5710.	Hemandra K Tiwari, G.Gaur etc.
<b>2013</b>	Comparison of hot oxidized bitumen and cationic/anionic emulsions for pavement resurfacing	International Journal of Research in Engineering and Applied Sciences, Vol.3, pp 64, 2013, ISSN 2249-3905	G.Gaur
<b>2012</b>	Citrate–nitrate derived $\text{Sr}_{0.5}\text{Ba}_{0.5}\text{Ta}_2\text{O}_6$ tetragonal tungsten bronze nanorods: Investigation of their optical and dielectric properties	Advanced Materials Letters, Vol. 3 (2), 2012, pp. 118-125, ISSN:0976-3961	Krishan Kumar, Chandrashe khar Sharma etc.
<b>2012</b>	Effect of annealing on Bridgman grown organic scintillation material of trans-Stilbene	Materials Chemistry and Physics, 2012, Vol. 132, Issue 2–3, pp 15, ISSN 0254-0584	G.Bhagwan narayan, B.Rathi etc.
<b>2010</b>	Synthetic, spectral and structural study of mono bis(pyridine)dichloro bis(dimethyl sulfoxide-s) ruthenium(ii) complex, $[\text{RuCl}_2(\text{Py})_2(\text{DmsO-S})_2]$ and its reactivity with nitrogen donor bases in polar and non-polar solvent	Journal of Molecular Structure, Vol. 975, 2010, pp 335–342, ISSN 0022-2860	M. Trivedi
<b>2009</b>	Synthesis and characterization of Titanates of the formula $\text{ATiO}_3$ (A=Mn, Fe,	Polyhedron, Vol.8, pp 579-589, 2009, ISSN 0277- 5387	M.Kharkwal, R.Nagarajan etc.



	Co, Ni, Zn AND Cd) by wet chemical method”		
2006	Applications of activation energy and transition state theory for nucleos(t)ides and furanose helix puckering interactions in aqueous medium from 288.15 to 298.15 K”	Physics and Chemistry of Liquids, Volume 44, Issue 1, 2006, pp 1-5 , ISSN 0031-9104	M. Singh
2006	Volumetric and viscometric studies of nucleosides, nucleotides and furanose sugar in aqueous medium from 288.15 to 298.15K”	Iran. J. Chem. Chem. Eng. Vol. 44 Issue 1, 2006, pp 1-14	M. Singh

#### Refresher Course/ Faculty development Programme

- Successfully completed a **4-Week Faculty Induction/Orientation Programme** for “Faculty in Universities/Colleges/Institutes of Higher Education” organized by TLC Ramanujan College under the Ministry of Education sponsored Pandit Madan Mohan Malaviya National Mission on Teachers and Teaching (PMMMNTT) scheme from **22 January – 20 February, 2024** and obtained Grade A+.
- Successfully completed the online one week Faculty Development Program on "Applied Chemistry: A catalyst for scientific transformations organized by Lavoisier's association, Department of Chemistry, SGT University, Gurugram, 23-28 August 2021.
- Successfully completed Short Term Course on National Education Policy (NEP) 2020 organized by centre for professional development in higher education (University of Delhi) In collaboration with Bhaskaracharya college of applied sciences (University of Delhi), 20th October -26th October 2021.
- Successfully completed the Workshop on Personality Development and Leadership Skills (LDP-1) conducted by the Centre for Professional Development in Higher Education (CPDHE), UGC-HRDC, University of Delhi during 25<sup>th</sup> July 2020 to 31<sup>st</sup>

July 2020, Centre for Professional Development in Higher Education University of Delhi.

- Successfully completed the 5 days online Faculty Development Program on “The Role of Advanced Materials & Nanotechnology in Present Scenario” held from 22<sup>nd</sup> to 26<sup>th</sup> June 2020. Vemana Institute of Technology, Mahayogi Vemana Road, 3rd Block, Koramangala, Bengaluru – 560034.
- Successfully completed the one week interdisciplinary (online) faculty development Programme on "Waste management during Pandemic (Covid) and its impact on Circular Economy" organized by Mahatma Hansraj Faculty Development Centre, Hansraj College during 12th-26th November, 2021.
- Successfully completed the one Week Short Term Course on Implementation of National Education Policy (NEP) 2020 held from 20th October 2021 - 26th October 2021.
- Participated and Successfully completed the e-Faculty Development Programme on Sustainable Environment and Climate Change (SECC-2022) organized by Department of Applied Sciences, National Institute of Technology Delhi under Scientific Social Responsibility (SSR) scheme, Science Engineering Research Board (SERB) during June 14, 2022 to June 19, 2022.
- Participated in One Day National Webinar entitled “ICT Enabled Science Education in India” jointly organized by Guru Angad Dev Teaching Learning Centre, SGTB Khalsa College, University of Delhi under the Pandit Madan Mohan Malaviya National Mission on Teachers and Teaching (PMMNMTT) of MHRD and Telangana Academy of Sciences, Hyderabad held on 28 June 2020. (This is equivalent to a regular National Seminar).
- Participated in the National Seminar on "Environment and Sustainability in The Third World" organized by Department of Chemistry & IQAC, Hansraj College, University of Delhi. 28 February, 2020
- Participation under Teachers category in the Write-up- Story/Poem competition organized as part of World Environment Day with the theme Me and my Environment: A Lockdown Experience conducted by VIBHA and NEERI.
- National Seminar on ‘Recent Trends in Polymeric Smart Nanomaterials’ organized by Central Institute of Plastics Engineering and Technology (CIPET) Lucknow (**27<sup>th</sup> April 2012**).
- Seminar- ‘Yamuna-Lifeline of Delhi’ organized by Petrotech Society, Delhi Chapter and

Kirori Mal College, University of Delhi, Delhi ( **30th March 2011**).

- ‘National Seminar on ‘Role of Analytical techniques in Biological and Environmental Sciences’ held at the Conference Centre and Kirori Mal College, University of Delhi, Delhi (**January 27-29, 2011**).
- National Workshop on Renewable Energy & Environment (NWREE), Department of Chemistry, Ramjas College, University of Delhi, Delhi, INDIA (**28th-29th January 2011**).
- 7th Indo-Italian Workshop on ‘Chemistry and Biology of Antioxidants’ organized by University of Delhi and Italian Embassy at Department of Chemistry, University of Delhi, Delhi (**16th November 2010**).
- One day seminar on “Analytical Solution From Bruker AXS” organized jointly by Indian Society of Analytical Scientists- Delhi Chapter and Bruker AXS at “ ESSEX FARMS”, New Delhi (**1st October 2010**).
- ‘1<sup>st</sup> Indo Italian Workshop on Frontiers of Fundamental and Industrial Electrochemistry’ A challenge for better world, organized by University of Delhi and Embassy of Italy, Conference centre, University of Delhi, Delhi (**August 30<sup>th</sup> -31<sup>st</sup> 2010**).
- ‘National Conference on Recent Trends in Materials and Devices (RTMD)’ organized by Amity Institute of Applied Sciences and Amity School of Engineering and Technology, Amity University campus, NOIDA (**May 20<sup>th</sup> -21<sup>st</sup>, 2010**).
- ‘Workshop on Analytical Chemistry as Sustainable Chemistry’ organized by Indian Society of Analytical Scientists, India and Department of Chemistry, Kirorimal College (University of Delhi) at Conference Centre (DU) and Kirorimal College (**January 21<sup>st</sup> - 22<sup>nd</sup>, 2010**).
- ‘Indo-Russian Workshop on Nanotechnology and LASER Induced Plasma-2009 (IRNANO-2009)’ organized by Luminescence Society of India, NPL and University of Delhi (**24<sup>th</sup> -26<sup>th</sup> November, 2009**).
- ‘Indo-Japanese Seminar on Polymeric Advanced Materials’, Department of Chemistry, University of Delhi, Delhi, INDIA, (**February 26<sup>th</sup>, 2009**).
- ‘International Symposium of Materials Chemistry (ISMC), Bhabha Atomic Research Center (BARC), Mumbai, (**2<sup>nd</sup> -6<sup>th</sup> December, 2008**). **Won IInd best poster prize.**
- Second IUPAC sponsored ‘International Symposium on green/Sustainable Chemistry’, Department of Chemistry, University of Delhi, Delhi (**10<sup>th</sup> -13<sup>th</sup> January, 2006**).
- ‘One day Symposium on the Applications of Nuclear Magnetic Resonance to Materials and Medicine, Indian institute of Technology Delhi (IITD), New Delhi (**November 21<sup>st</sup>, 2006**).

- ‘9<sup>th</sup> National Symposium in Chemistry (NSC-9) Chemical Research Society of India (CRSI)’, Department of Chemistry, University of Delhi (**February 1<sup>st</sup> -4<sup>th</sup>, 2007**).
- ‘Workshop on Green Chemistry Education for Sustainable Future’ sponsored by DST inter Green Chemistry Programme, Department of Chemistry, University of Delhi (**March 10<sup>th</sup>, 2007**).

### **Seminar/Workshop/Conferences Presentation/Organization**

#### **Presented research work**

##### **Paper presented outside India**

- Participated and presented a paper entitled “Synthesis of tetragonal tungsten bronze Sr<sub>0.5</sub>Ba<sub>0.5</sub>Ta<sub>2</sub>O<sub>6</sub> nanorods by citrate–nitrate gel approach: investigation of their optical and dielectric properties at ICYRAM, National University Singapore. July 1-2 2012.

##### **Paper presented in India**

1. Delivered oral presentation on "Nano structured oxides as electrode materials for high performace electrochemical capacitors" in international conference on “Crossroads of Chemistry, Biology and Atmospheric Environment: A Modern Prospective” Jointly organized by: Department of Chemistry, University of Delhi and other organizations at University Conference Centre, Department of Chemistry, University of Delhi, February 26-28, 2024.
2. Participated and Won the **Best Oral Paper Presentation Award** at Sri Aurobindo College, University of Delhi, 2019.
3. Presented poster on the theme “Frontier areas of research” and received Best Poster Presentation Award, BARC, Mumbai, December, 2008.

##### **Resource Person/Invited Speaker/Organiser**

1. Invited as **resource person and delivered lecture** on "Workshop on Comprehending quality Aspects in NAAC Accreditation Process" **on 3<sup>rd</sup> and 17<sup>th</sup> October 2021**, JIT, Nagpur **14/08/2021 to 9/11/2021**.

2. Invited as **resource person and delivered lecture** “Corrosion prevention & Measurement of corrosion ” for the UG students of Amity Institute of Applied Sciences, on 29th September 2021
3. Invited as **resource person and delivered lecture on** “Corrosion Prevention & Measurement of Corrosion ” for UG Students of Amity Institute of Applied Sciences, on 30<sup>th</sup> March, 2021.
4. Invited as **resource person and delivered lecture** in the add on course "Facets of research in biology" conducted by Department of Zoology, SSNC and gave hands on experience on the topic "Nanoparticles: Formulation, characterization and their applications" on 15th Feb 2020.
5. Invited as **judge to evaluate technical presentations** in 'Technospeak' competition for college students organized by Centre for advanced research and development and change, Ministry of culture, Govt. of India and Youth for Nation at Laxmibai College, University of Delhi, 2023.
6. Invited and participated as **member of panel of judges for science projects in "Vidyarthi Vigyan Manthan**, India's largest science talent search for new India using digital devices" (State level camp) organised by NCERT, Vigyan Prasar, Brahmos and Vedanta collectively at Bal Bharti Public School, Parwana Road, Pitampura, New Delhi, 15<sup>th</sup> February, 2017.

#### **Conferences/Workshops Attended**

#### **Webinars/Virtual conference attended**

- Participated in the FDP Webinar on “Moodle: A Quick Tour” Organized by PG & Research Department of Computer Science chikkanna government arts college, Tirupur on 12/06/2020.
- Participated in the webinar on “Plagiarism Issues, Policies And Detection Tools” held on 25th June 2020 organized by institutional academic integrity panel (IAIP) and internal quality assurance cell (IQAC) in collaboration with information and library network (INFLIBNET) and Ram Lal Anand College University of Delhi.
- Attended “Emerging Trends in E-Learning: Complete Classroom and Evaluation Process using MOODLE LMS” organized by the Internal Quality Assurance Cell (IQAC) and Department of Botany, Swami Shraddhanand College, University of Delhi on May 18, 2020 organized by Swami Shraddhanand College University of Delhi, Alipur, Delhi 110036.
- Attended a webinar “Atmanirbhar Bharat Abhiyaan”, organized by the Internal Quality Assurance Cell, Swami Shraddhanand College, University of Delhi, on June 29, 2020.
- Attended a webinar on the topic “Medicinal Plants : Eternal Source of Health and

Wellness”, organized by the Department of Botany, Swami Shraddhanand College, University of Delhi, on June 17, 2020.

- Attended a webinar on the topic “Higher Education in India : Covid 19 and Beyond” organized by Swami Shraddhanand College, University of Delhi and Akhil Bharatiya Itihas Sankalan Yojana on June 2, 2020.
- Attended a webinar on the topic “Google Classroom : Teaching, Learning and Managing” organized by the Department of Computer Science, Swami Shraddhanand College, University of Delhi on May 24, 2020.
- Attended a webinar on the topic “कोवड-19: वैश्वीकरण सेस्वदेशीकरण की ओर” organized by the Department of Commerce, Swami Shraddhanand College, University of Delhi on May 22, 2020.
- Participated in One Day National Webinar on “Environmental Awareness and Sustainability” Organized by Department of Studies and Research in Environmental Science, University College of Science, Tumkur University, Tumkur on 5<sup>th</sup> June, 2020.
- Attended a webinar on the topic “Impact of COVID-19 on Society and Education : A Perspective”, hosted by the Internal Quality Assurance Cell, Swami Shraddhanand College, University of Delhi, India, on June 20, 2020
- Participated in the webinar on the topic “Hypertension and COVID-19: A Cardiologist’s Perspective”, organized by the Department of Microbiology, Swami Shraddhanand College, University of Delhi, on July 3, 2020
- Participated in two days international virtual conference on Modern Instrumental and Characterization Techniques in Applied Sciences-2020 (MICTAS-2020) organized by MIET Kumaon Haldwani & Department of Chemistry, H.N.B. Govt. P. G. College, Khatima, Uttarakhand in collaboration with USERC DST Dehradun & Department of Chemistry, R.H. Govt. P. G. College, Kashipur, Uttarakhand, India on July 5-6, 2020
- Attended a webinar on the topic “Atmospheric Visibility as a Tool for Air Pollution Assessment” Organized by Department of Engineering, ARKA JAIN University, Jamshedpur (Jharkhand) on 17th June 2020.
- Successful accomplishment of Online Quiz on “COVID-19 Awareness” organized by Department of Chemistry, Govt. Naveen College, Durg ( C.G.) .
- Participated in online Chemistry Quiz-2020, organised on May 2020 by Anand Niketan College Anandwan, Warora District - Chandrapur and secured 100% marks.
- Successfully completed the Online Quiz “Chemistry of COVID-19” conducted by Department of Chemistry and Pharmaceutical Chemistry, Govt. Girls’ P. G. College,

Ujjain.

- Successfully completed the online "Environmental Awareness Quiz" in the view of World Environment Day on June 5<sup>th</sup>, 2020 conducted by the Department of Science and Humanities, Dr. N.G.P Institute of Technology, Coimbatore-641048, Tamilnadu.
- Successfully completed "Chemistry Quiz" organized by Department of Chemistry from 23rd to 30th June 2020 Shree Chandrababhu Jain College Minjur - 601203 (Affiliated to the University of Madras).
- Participated in the quiz based on NSS and Environment Conservation organized by Govt. Arts and Commerce College Kannod, Dewas and score was 65%.
- Participated in the state level quiz on research methodology, organized by department of commerce and accountancy, Shri M. P. Shah Municipal Commerce College-Jamnagar on 11th June, 2020 to 14th June,2020.
- Participation in "The Ganges Quiz-2020 : An Awareness Program on River Ganga" jointly organized by The Department of Chemistry & The Library of C.M.P. Degree College (A Constituent P.G. College of University of Allahabad), Prayagraj.
- Participated in National Webinar on COVID-19: Impact on Environment and Social Change organized by Pranahi, the Eco Club of BCAS held on June 5, 2020 Bhaskaracharya College of Applied Science, University of Delhi, Under the aegis of IQAC.
- Participated in one day International webinar on "Advances in Chemical Science and Engineering" organized by Department of Chemistry dated on Saturday, 18th July 2020. Govt. Bilasa PG College, Bilaspur affiliated with Atal Bihari Bajpayee Bilaspur University, C.G.
- Participated in a quiz competition on 19th July 2020, and scored 100% organized by Annapoorana Engineering College (affiliated to Anna University, Chennai) Periyaseeragapadi, Salem - 636 308, Tamilnadu.
- Participated in the webinar on the topic "The Impact of Corona Lockdown on Family System and Mental Health" organized by the Internal Quality Assurance Cell (IQAC), Swami Shradhanand College, University of Delhi, in association with GIA and Sakhi, held on June 3, 2020.
- Attended and successfully qualified with score of 76% in the online Quiz on "COVID-19 Awareness" conducted by "The Institute Of Science Culture And Social Studies" in association with "SD LIFE SCIENCE" to create an awareness in the community about the pandemic caused by COVID-19.10.07.2020.
- Successfully completed online quiz on " Interview Questions for Chemistry Students"

organized by Department of Chemistry Shri Shahu Shikshan Prasarak Seva Mandal's Shri Vijaysinha Yadav College, Peth Vadgaon, Dist:Kolhapur(M.S.)

- Attended a National Webinar on "Post-COVID-19 World: Challenges & Opportunities" organized by Equal Opportunity Cell under the aegis of Internal Quality Assurance Cell, Shri Lemdeo Patil Mahavidyalaya, Mandhal on 19th June, 2020. Teh. Kuhi, Dist-Nagpur, Maharashtra.
- Participated in the One Day International Webinar on "Science and Engineering for Nature Conservation" held on World Environment Day-5th June, 2020. J. C. Bose University Of Science and Technology YMCA, Faridabad

### **Awards & Distinctions**

- Awarded 'Loktantra Ke Prahari' in academic services by Rajneetik Tarqas (a national hindi daily) at deputy speaker hall, constitution club of India, New Delhi on 28th September 2023.
- Best poster Presentation, BARC, MUMBAI DECEMBER 2008.
- Best oral presentation, Sri Aurobindo College, University of Delhi, 2019.
- Qualified CSIR-SRF, December 2009.

### **Public Service/ University Service/ Consulting Activity**

- Worked towards Cleanliness and Hygiene under Departmental Swacchhta Committee, 2024 onwards.

### **Professional Societies Memberships**

- Editor of Global Journal of Chemistry, an International journal
- Associate editor of Journal of Integrated Chemical Sciences (JICS) an International journal.
- Life member of Materials Research Society of Singapore (MRS-S).
- Life member of International Materials Institutes (IMIs)
- Life member of Indian Society of Material Chemists (ISMC) (Life membership No. ISMC-109).
- Life member of Green Chemistry Society, RSC, London and DUGCS.
- Member of the Green Chemistry Network Centre (GCNC), University of Delhi, India of Indian Society of Analytical Scientists (ISAS)- Delhi Chapter (life membership No. LMT-2018 / 01).
- Review member of scientific papers (Materials Chemistry and Physics) Elsevier.





