

Name:**Dr. SUMIT SRIVASTAVA****Present Position:**Assistant Professor
Govt. Swami Atmanand PG
College, Narayanpur,
Chhattisgarh – 494661, India**Mailing Address:**Sumit Srivastava
Assistant Professor
Department of Chemistry,
Govt. Swami Atmanand PG
College, Kumarpura, Narayanpur,
Chhattisgarh – 494661, India**Email:** sumitchm@gmail.com**Mobile:** +91-8010731778, 7646952005**Academic Qualifications:**

Degree	Discipline	Board/Institution	Year
10 th	Science	U. P. Board	2000
12 th	Science	U. P. Board	2002
B.Sc.	Chem., Physics, Math.	C.S.J.M University, Kanpur, India	2005
M.Sc.	Chemistry	C.S.J.M University, Kanpur, India	2009
Ph. D.	Inorganic Chemistry	University of Delhi, Delhi, India	2017

Thesis Title: Metalloligands appended with pyridine or arylcarboxylic acid groups: Discrete complexes, hydrogen bonded assemblies and coordination networks

Ph.D Supervisor: Dr. Rajeev Gupta, Professor, Department of Chemistry, University of Delhi, North Campus, Mall Road, Delhi-110007, INDIA, rgupta@chemistry.du.ac.in, Phone: 09810001819

Orientation, Refresher & Faculty Development Programme:

1. Online Refresher Course in Chemistry “New Trends of Teaching and Research in Chemistry” organized by **UGC-HRDC, Pt. Ravishankar Shukla University, Raipur**, Chhattisgarh, India on September 14-26, 2020.
2. Five Day online Faculty Development Programme on “Energy Conservation and Renewable Energy” organized by **School of Engineering & Technology, Indira Gandhi National Open University, New Delhi**, India on June 08-12, 2020.
3. National Level Faculty Development Program on “Multidisciplinary Approach towards Emerging trends in Science & Humanities [MASH – 2020]” organized by **Ramachandra College of Engineering, Eluru**, on June 01 – 05, 2020.
4. “Orientation Programme (OR-93)” held at **CPDHE (UGC-HRDC), University of Delhi, Delhi**, India, on July 03 – 30, 2018.

Resource Person: “Quantum Chemistry”

Resource person in the Virtual Workshop on collating chemistry Resources for Teachers in Higher Education organized by **National Resource Centre for education** of this Institute during June 18-19, 2020 at **NIPAE, New Delhi**.

Publications:

1. Fluorescence Quenching of CdTe Quantum Dots with Co (III) Complexes via Electrostatic Assembly Formation

- Anuushka Pal, Bhawna Arora, Diksha Rani, **Sumit Srivastava**, Rajeev Gupta, Sameer Sapra,
Z. Phys. Chem., IISN: 2196-7156, April 2018, DOI: <https://doi.org/10.1515/zpch-2018-1138>, Impact factor: 1.356
2. *Lanthanide-Based Coordination Polymers for the Size-Selective Detection of Nitroaromatics*
Sumit Srivastava, Bipin Kumar Gupta and Rajeev Gupta
Cryst. Growth Des. IISN: 1528-7483 (print); 1528-7505 (web),
 2017, 17, 3907-3916, DOI: 10.1021/acs.cgd.7b00536, Impact factor: 4.055, (Article).
 3. *Metalloligand to Material: Design Strategies and Network Topologies*
Sumit Srivastava and Rajeev Gupta
CrystEngComm., ISSN: 1466-8033,
 2016, 18, 9185-9208, DOI: 10.1039/c6ce01869f, Impact factor: 3.474, (Perspective).
 4. *Cobalt Complexes Offering Aryldicarboxylic Acid Groups: Hydrogen Bonding assemblies and the resultant topologies,*
Sumit Srivastava and Rajeev Gupta
ChemistrySelect. ISSN: 2365-6549,
 2016, 1, 6167-6178, DOI: 10.1002/slct.201601393, Impact factor: 1.505, (Article).
 5. *A Carboxylate-Rich Metalloligand and its Heterometallic Coordination Polymers: Synthesis, Structure, Topologies, and Heterogeneous Catalysis*
Sumit Srivastava, Vijay Kumar, and Rajeev Gupta
Cryst. Growth Des. IISN: 1528-7483 (print); 1528-7505 (web),
 2016, 16, 2874-2886, DOI: 10.1021/acs.cgd.6b00176, Impact factor: 4.055, (Article).
 6. *Probing Mechanism of Fluorescence Quenching of QDs by Co(III) Complexes: Size of QD and Nature of the Complex, Both Dictate the Energy Or/and Electron Transfer Processes*
 Anuushka Pal, **Sumit Srivastava**, Parveen Saini, Shreya Raina, Pravin Ingole, Rajeev Gupta, Sameer Sapra
J. Phys. Chem. C, IISN:1932-7447,
 2015, 119, 22690-22699, DOI: 10.1021/acs.jpcc.5b06795, Impact factor: 4.484, (Article).
 7. *Three-dimensional Heterometallic Coordination Networks: Synthesis, Crystal Structures, Topologies and Heterogeneous catalysis*
Sumit Srivastava, Himanshu Aggarwal, and Rajeev Gupta
Cryst. Growth Des. IISN: 1528-7483 (print); 1528-7505 (web),
 2015, 15, 4110-4122, DOI: 10.1021/acs.cgd.5b00697, Impact factor: 4.055, (Article).
 8. *Trinuclear {Co²⁺-M³⁺-Co²⁺} Complexes Catalyzed Reduction of Nitro Compounds*
Sumit Srivastava, Manvender S. Dagur, Afsar Ali and Rajeev Gupta
Dalton Trans. ISSN: 1477-9226,
 2015, 44, 17453-17461, DOI: 10.1039/c5dt03442f, Impact factor: 4.029, (Communication).
 9. *Two-Dimensional {Co³⁺-Co²⁺} and {Fe³⁺-Co²⁺} Networks and Their Heterogeneous Catalytic Activities*
Sumit Srivastava, Manvender S. Dagur, and Rajeev Gupta
Eur. J. Inorg. Chem. ISSN: 1434-1948 (print); 1099-0682 (web),
 2014, 4966-4974, DOI:10.1002/ejic.201402375, Impact factor: 2.444, (Article).
 10. *{Cu²⁺-Co³⁺-Cu²⁺} and {Cu²⁺-Fe³⁺-Cu²⁺} Heterobimetallic Complexes and their Catalytic Properties*
Sumit Srivastava, Afsar Ali, Adish Tyagi, and Rajeev Gupta
Eur. J. Inorg. Chem. ISSN: 1434-1948 (print); 1099-0682 (web),
 2014, 2113-2123, DOI:10.1002/ejic.201400066, Impact factor: 2.444, (Article).
 11. *Electron Transfer from CdSe-ZnS Core-Shell Quantum Dots to Cobalt(III) Complexes*

Anuushka Pal, **Sumit Srivastava**, Rajeev Gupta and Sameer Sapra

Phys. Chem. Chem. Phys. ISSN 1463-9076,

2013, 15, 15888-15895, DOI: 10.1039/c3cp51834e, Impact factor: 3.906, (Article).

Conferences:

1. “Lanthanide Based Coordination Polymers for the Detection of Hazardous Materials”
International Seminar on Green Chemistry: Synthesis, Processing & Devices (ISGCSPD-2018) held at **Department of Chemistry, V.K.S. University, Ara, Bihar, India**, on April 06-07, 2018.
2. “Metalloligands To Material: Design Strategies and Network Topologies”
“*The Fifth Symposium on Advanced Biological Inorganic Chemistry (SABIC-2017)*” held at **The Stadel, Vivekananda Yuba Bharati Krirangan, Kolkata, India**, on January 7-11, **2017**.
3. “Metalloligand appended with carboxylic acid groups: Hydrogen bonding assemblies and coordination networks”
“*National Symposium on Horizons of Light in Molecules, Materials and Daily Life*” held at Department of Chemistry, **Dr. Harisingh Gour Vishwavidyalya, Sagar (MP), India**, on December 18-19, **2015**.
4. “Coordination complexes as the building blocks: Discrete complexes versus networks and their catalytic application”
“*International Conference on Structural Chemistry of Molecules and Materials – SCOMM-2014*” at Center for Research in Nano science and Nanotechnology (CRNN), **University Of Calcutta, India** on 30th November- 2nd December, **2014**.
5. “Metalloligands appended with carboxylic acid groups: Extended networks and functional materials”
Delivered a presentation in “*Symposium on Modern Trends in Inorganic Chemistry-XV (MTIC-XV)*” at **IIT Roorkee, India** on 13- 16 December, **2013**.
6. “Metalloligands appended with carboxylic acid groups: Extended ensembles and functional materials”
“*National Seminar Chemistry in Interdisciplinary Applications*” Organized by Hans Raj College, **University of Delhi, India** on 19th March, **2013**.
7. “Metalloligands appended with carboxylic acid groups: Extended Ensembles and functional materials”
“*15th CRSI National Symposium in chemistry*” organized by Department of Chemistry, Faculty of Science, **Banaras Hindu University, Varanasi**, 1-3 February, **2013**.
8. “Coordination complexes as building blocks: An approach to control dimensionality and topology”
“*Symposium on Modern Trends in Inorganic Chemistry-XIV (MTIC-XIV)*” held at the School of chemistry, **University of Hyderabad, India** on 10- 13 December, **2011**.

Workshops:

1. “Virtual Workshop on Collating Chemistry Resources for Teachers in Higher Education” organized by **National Resource centre for Education at NIEPA, New Delhi, India**, on June 18-19, 2020.
2. “*International Scientific School Combined Topological and DFT Methods*” for Predication of New Materials held at the **Samara Center for Theoretical Materials Science, Samara, Russian Federation**, on September 14-20, **2015**.

3. “*Workshop On Spectro-Electrochemistry*” Jointly organized by Department of Chemistry, University of Delhi, India and M/s. Sinsil International Pvt. Ltd., Mumbai, India held at Department of Chemistry, **University of Delhi**, Delhi, on 17th-18th June, **2015**.
4. “*IUCr workshop on X-ray diffraction system and related applications*” at **University of Delhi**, India on 25-26th September, **2014**.
5. International Center for Theoretical Sciences (ICTS) School on “*Understanding Molecular Simulations: Theory and applications*” (UMS 2010) held at **IIT Kanpur**, on 04-13th November, **2010**.

HONORS/AWARDS:

1. Qualified **GATE** Two Times (2009, 2010); All India Rank-26 and Percentile: 99.68 in 2010.
2. Qualified **UGC-NET-JRF** Two Times (2010, 2012); All India Rank: 94 in 2012.
3. Selected for **SPM** Interview in 2010 on the Basis of Top 30 Students in GATE.
4. **Junior Research Fellowship** from University Grant Commission (UGC-JRF) in March, 2011-March-2013.
5. **Senior Research Fellowship** from University Grant Commission (UGC-SRF) in March, 2013-March 2016.
6. Selected for Oral Presentation in “*Symposium on Modern Trends in Inorganic Chemistry-XV (MTIC-XV)*” held at **IIT Roorkee**, India on 13-16 December, **2013**.
7. Delhi University Travel Grant for attending a workshop at the Samara Center for Theoretical Materials Science in Samara, Russia on September 14 -20, 2015.
8. Best Poster award in National Symposium on “Horizons of Light in Molecules, Materials and Daily Life” held at Department of Chemistry, **Dr. Harisingh Gour Vishwavidyalya, Sagar (MP)**, India, on December 18-19, **2015**.

Members:

1. Member of Board of Studies (Chemistry), **Bastar University, Jagdalpur, Bastar, Chhattisgarh**. From 2019 to till-date.

Others:

1. District Level Master Trainer of **Election Commission of India**, 2018 and 2019.
2. District Level Master Trainer of **Census of India 2021**, From 2020 – till date.

Peresonal Information:

Date of Birth 8th JULY, 1985
 Marital status Married
 Language English, Hindi

Permanent Address:

H.N.311, In Front of Bharat Gas Agency, Pooran
 Nagar, District: Unnao
 State - Uttar Pradesh,
 Pin- 209801, India