



Kirori Mal College

(University of Delhi)

University of Delhi, Delhi-110007

(Phone No. - 011-7121 9084 : Email - principal@kmc.du.ac.in)



Print Date : 15-02-2026

1. Personal Profile

Title: **Dr.** First Name: **RUCHI** Last Name: **SHRIVASTAVA**

Designation: **ASSISTANT PROFESSOR** Mobile No. -----

Phone No. (Office) ----- Phone No. (Residence): -----

Email: **ruchis@kmc.du.ac.in** Webpage: -----



Facebook: ----- Twitter: -----

LinkedIn: ----- Instagram: -----

Youtube: ----- Research Gate Link: -----

Google Scholar Link: -----

Address: -----

2. Educational Qualifications

| Degree/ Certification | Institution | Year |
|-----------------------|--------------------------|------|
| PhD | Banaras hindu university | 2007 |

3. Career Profile & Administrative Assignments

| Category | Role/ Designation | Department/ Committee | Date From - To | Remarks |
|----------------------------|---------------------|---|-------------------------|---------------------------|
| CAREER PROFILE | ASSISTANT PROFESSOR | CHEMISTRY KIRORI MAL COLLEGE, DELHI | 13.Oct.2022 - Till date | |
| ADMINISTRATIVE ASSIGNMENTS | MEMBER | ALL DEPARTMENT Kirori Mal College University of Delhi | 08.Jun.2023 - Till date | Musoc-The Music Society |
| CAREER PROFILE | ASSISTANT PROFESSOR | CHEMISTRY KMC | 13.Oct.2022 - Till date | |
| ADMINISTRATIVE ASSIGNMENTS | MEMBER | CHEMISTRY Kirori Mal College University of Delhi | 31.Aug.2023 - Till date | Student-Faculty Committee |
| ADMINISTRATIVE ASSIGNMENTS | MEMBER | CHEMISTRY Kirori Mal College University of Delhi | 31.Aug.2023 - Till date | Discipline Committee |

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|----------------------------|--------|--------------------|---------------------------|---------------------------|
| ADMINISTRATIVE ASSIGNMENTS | MEMBER | ALL DEPARTMENT KMC | 14.Jul.2023 - Till date | |
| ADMINISTRATIVE ASSIGNMENTS | MEMBER | CHEMISTRY KMC | 26.Apr.2023 - 31.Jul.2024 | discipline committee |
| ADMINISTRATIVE ASSIGNMENTS | MEMBER | CHEMISTRY KMC | 26.Apr.2023 - 31.Jul.2024 | student faculty committee |

4. Other Profiles

Other Profile Name/ Description

MOOCS/ SWAYAM-NPTEL/ OTHER ONLINE COURSES COMPLETED WITH CERTIFICATION

| INSTITUTION | CERTIFICATIONS | YEAR |
|--------------------------|--|------|
| Coursera | Oil and gas industry : operations and markets | 2016 |
| Alison | Fundamentals of Chemistry | 2018 |
| Udemy | Colligative Properties of Solutions | 2018 |
| Udemy | Guided Memorization Nomenclature | 2018 |
| Udemy | Chemistry in society | 2018 |
| NPTEL, IIT Madras | Introduction to research | 2019 |
| SWAYAM NPTEL, IIT Madras | Spectroscopic Techniques for pharmaceutical and biopharmaceutical industries | 2019 |
| Coursera | Climate change mitigation in developing countries | 2019 |
| Coursera | Natural Attenuation of Groundwater Contaminants: New Paradigms, Technologies, and Applications | 2020 |
| Coursera | Air pollution : a global threat to our health | 2020 |

5. Research Guidance

| Year | Guide For | Title of the Dissertation/ Thesis | Scholar Name | Status |
|------|-----------|-----------------------------------|--------------|--------|
|------|-----------|-----------------------------------|--------------|--------|

6. Research Projects

| Year | Title of Project | Sponsorship Agency | Duration | Amount Sanctioned | Date of Sanction |
|------|------------------|--------------------|----------|-------------------|------------------|
|------|------------------|--------------------|----------|-------------------|------------------|

7. Publications

| Category | Publication Name | Title | Name of Author | Reference Link/ DOI Link | Publication (Month-Year) |
|-------------------------------|---|---|---|---|--------------------------|
| JOURNAL PAPER (International) | Influence of atomic-scale structure on the transport, ordering, and thermodynamics of partially ordered Cu-In alloys | Journal of Molecular Liquids | C Lalnuntluanga, Ruchi Shrivastava, R Lalneihpuii and Raj Kumar Mishra (Joint Author) | https://doi.org/10.1016/j.molliq.2021.117958 | January 2022 |
| JOURNAL PAPER (International) | Recent Advancement in Small Drug Molecules for Clinical Applications: An Insight | Current Research in Green and Sustainable Chemistry | 2. Gunjan Arora, Ruchi Shrivastava, Prashant Kumar, Rakeshwar Bandichhor, Dhileep Krishnamurthy, Rakesh Kumar Sharma, Avtar S Matharu, Mohammad Rizwan (Joint Author) | https://doi.org/10.1016/j.crgsc.2021.100097 | April 2021 |
| JOURNAL PAPER (International) | Bhatia–Thornton fluctuations, transport and ordering in partially ordered Al – Cu alloys | Journal of Statistical Mechanics | 3. R Lalneihpuii, Ruchi Shrivastava, C Lalnuntluanga and Raj Kumar Mishra (Joint Author) | | December 2019 |
| JOURNAL PAPER (International) | On the role of structure-dynamic relationship in determining the excess entropy of mixing and chemical ordering in binary square-well liquid alloys | Materials Research Express | 3. R Lalneihpuii, Ruchi Shrivastava and Raj Kumar Mishra (Joint Author) | | October 2018 |
| JOURNAL PAPER (International) | Transport coefficients and validity of the Stokes-Einstein relation in metallic melts: From excess entropy scaling laws | Chemical Physics | Ruchi Shrivastava, and Raj Kumar Mishra (First Author) | | November 2017 |

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|-------------------------------------|---|--|---|--|------------------|
| JOURNAL PAPER (International) | Corrosion Inhibition Effect of Clerodendron Colebrookianum Walp Leaves (Phuinam) Extract on Acidic Corrosion of Mild Steel | Protection of Metals and Physical Chemistry of Surfaces | Jay Prakash Rajan, Ruchi Shrivastava and Raj Kumar Mishra (Joint Author) | | November 2017 |
| JOURNAL PAPER (International) | Melocanna Baccifera (Bamboo) Leaves as Corrosion Inhibitors for Iron in Acidic Media | Science and Technology Journal | 7. Ruchi Shrivastava, Jay Prakash Rajan and Raj Kumar Mishra (First Author, Joint Author) | | December 2016 |
| JOURNAL PAPER (International) | Influence of Aprotic Solvents on the Transmission of Anomalous Substituent Effects on ^{13}C NMR Chemical Shifts at the Carboxyl Carbon ($^{\circ}\text{CO}$) in Meta Substituted Benzoic Acids: A Strong Evidence for $^{\circ}$ Polarization Mechanism | Applied Magnetic Resonance | S.K.Sengupta and Ruchi Shrivastava (Joint Author) | | July 2012 |
| JOURNAL PAPER (International) | Solvent sensitivity of ortho substituent effect on ^{13}C NMR chemical shift of the carboxyl carbon ($^{\circ}\text{co}$) in benzoic acid | Magnetic Resonance in Chemistry | S.K.Sengupta and Ruchi Shrivastava (Joint Author) | | November 2011 |
| JOURNAL PAPER (International) | Kinetics and mechanism of proton transfer between disubstituted benzoic acids and carbinol base of crystal violet in chlorobenzene 112(14), (2008) 3031-3035. | Journal of Physical Chemistry A | S.K.Sengupta and Ruchi Shrivastava (Joint Author) | | December 2008 |

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|----------------------------------|--|---------------------------------------|---|--|---------------|
| JOURNAL PAPER (National) | Proton transfer equilibria between disubstituted benzoic acids and carbinol base of crystal violet in apolar aprotic solvents .Chemometric analysis of disubstituent effects on the strength of benzoic acid in chlorobenzene | Indian journal of Chemistry Section | S.K.Sengupta and Ruchi Shrivastava (Joint Author) | | March 2008 |
| JOURNAL PAPER (International) | Chemometric Analysis of disubstituent on ¹³ C chemical shifts of carboxyl carbon of Benzoic Acid.A comparative study of substituents effects on ν_{CO} and the strength of benzoic acid in apolar aprotic media 45 (12), (2007) 1035-1039 | Magnetic Resonance in Chemistry | S.K.Sengupta and Ruchi Shrivastava (Joint Author) | | December 2007 |
| JOURNAL PAPER (National) | A study on the influence of apolar aprotic solvents on proton transfer equilibrium between m-/o-chlorobenzoic acids and the carbinol base of crystal violet:A chemometric analysis | Indian journal of chemistry Section A | S.K.Sengupta and Ruchi Shrivastava (Joint Author) | | November 2007 |

8. Books

| Category | Book Name | Title | Name of Author | ISSN/ ISBN Number |
|----------|-----------|-------|----------------|-------------------|
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9. Faculty Achievements

| Year | Category of Achievement | Role | National/ International etc. | Name | Date From-To |
|------|-------------------------|------|------------------------------|------|--------------|
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| 2023 | FACULTY INDUCTION PROGRAM ATTENDED | ASSISTANT PROFESSOR | National | Faculty Induction Programme | 20.Jan.2023 - 18.Feb.2023 |
| 2020 | SEMINAR ATTENDED | ASSISTANT PROFESSOR | National | Shaping the energy future Challenges and Opportunities: 2020 | 05.Jun.2020 - 05.Jun.2020 |
| 2019 | WORKSHOP/ SEMINAR/ CONFERENCE ATTENDED | ASSISTANT PROFESSOR | International | Green Chemistry for Societal Needs: Healthcare, Pollution and Circular Economies | 16.Dec.2019 - 18.Dec.2019 |
| 2010 | NATIONAL/ INTERNATIONAL FELLOWSHIPS (IOE, FRSC, etc.) ATTENDED | ASSISTANT PROFESSOR | International | International Conference | 10.Aug.2009 - 03.Jan.2024 |
| 2024 | WORKSHOP/ SEMINAR/ CONFERENCE ATTENDED | MEMBER | National | National Conference | 12.Feb.2024 - 13.Feb.2024 |
| 2024 | FACULTY DEVELOPMENT PROGRAM ATTENDED | ASSISTANT PROFESSOR | University | Faculty Induction Programme | 07.May.2024 - 16.May.2024 |

Dr. RUCHI SHRIVASTAVA