



# Kirori Mal College

(University of Delhi)

University of Delhi, Delhi-110007

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



Print Date : 02-07-2026

## 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

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
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#### 6. Research Projects

Year	Title of Project	Sponsorship Agency	Duration	Amount Sanctioned	Date of Sanction
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#### 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)	<a href="https://doi.org/10.1016/j.molliq.2021.117958">https://doi.org/10.1016/j.molliq.2021.117958</a>	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)	<a href="https://doi.org/10.1016/j.crgsc.2021.100097">https://doi.org/10.1016/j.crgsc.2021.100097</a>	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

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 <sup>13</sup> C NMR Chemical Shifts at the Carboxyl Carbon ( <sup>13</sup> C) in Meta Substituted Benzoic Acids: A Strong Evidence for <sup>13</sup> C 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 <sup>13</sup> C NMR chemical shift of the carboxyl carbon ( <sup>13</sup> C) 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

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 <sup>13</sup> C chemical shifts of carboxyl carbon of Benzoic Acid.A comparative study of substituents effects on $\nu_{CO}$ 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**