



# 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: **RUPESH** Last Name: **KUMAR**

Designation: **PROFESSOR** Mobile No. **9818901344**

Phone No. (Office) **9868283466** Phone No. (Residence): -----

Email: **chembio005@kmc.du.ac.in** Webpage: -----



Facebook: Twitter: -----

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

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

Google Scholar Link: -----

Address: -----

## 2. Educational Qualifications

Degree/ Certification	Institution	Year
B.Sc Chemistry Hons Chemistry	Kirori Mal College, University of Delhi, Delhi	1999
M.Sc Chemistry	Kirori Mal College, University of Delhi, Delhi	2001
Ph.D	Dr.B.R.Ambedkar Center for Biomedical Research, University of Delhi, Delhi-110007	2005

## 3. Career Profile & Administrative Assignments

Category	Role/ Designation	Department/ Committee	Date From - To	Remarks
ADMINISTRATIVE ASSIGNMENTS	CONVENER	GYM COMMITTEE Kirori Mal College University of Delhi	05.May.2020 - Till date	NA

## 4. Other Profiles

Other Profile Name/ Description



# KIRORI MAL COLLEGE

(University of Delhi) Delhi-110007

## किरोड़ीमल महाविद्यालय

( दिल्ली विश्वविद्यालय ) दिल्ली-११०००७

Tel. : 276678  
दूरभाष : २७६६७८

The following students of UG and PG courses has done their research training under the guidance of Dr.Rupesh Kumar in last 4 yrs with permission of Principal of Kirori Mal College.

S.No.	Name of Students	Year of training	Course	Permission (Yes/No.)
1.	Priyanka Dutta	2014-15	M.Sc Chemistry Agra University	Yes
2.	Umisha	2014-15	B.Sc Chemistry completed KMC D.U.	Yes
3.	Shivani Arora	2016-17	B.Sc. Chemistry II <sup>nd</sup> Year KMC D.U.	Yes
4.	Nishi Agarwal	2016-17	B.Sc. Chemistry II <sup>nd</sup> Year KMC D.U.	Yes
5.	Siddarth Sharma	2016-17	B.Sc. Chemistry IInd Year KMC D.U.	Yes
6.	Shilpa Oberoi	2013	B.Sc Prog.Completed KMC D.U.	Yes
7.	Sanky Chaudhary	2015	M.Sc.Chemistry Amity Uni.	Yes
8.	Deepak Kumar Patel	2015-16	B.Sc (H). Chem 2 <sup>nd</sup> Yr KMC D.U.	Yes
9.	Sapna Kumari	2015-16	B.Sc (H). Chem 2 <sup>nd</sup> Yr KMC D.U.	Yes
10.	Deepika	2015-16	B.Sc .Physical Science 2 <sup>rd</sup> Yr KMC D.U.	Yes
11.	Poonam Pal	2015-16	B.Sc (H). Zoology 2 <sup>nd</sup> Yr KMC D.U.	Yes
12.	Mrityunjay Pandey	2015-16	B.Sc (H). Chem 2 <sup>nd</sup> yr KMC D.U.	Yes
13.	T.Pradeep Sharma	2015-16	B.Sc(H) Botany 2 <sup>nd</sup> Yr KMC D.U.	Yes
14.	Riya Dhaiya	2015-16	B.Sc(H) Botany 2 <sup>nd</sup> Yr KMC D.U.	Yes
15.	Sambhawna Chaudhary	2015-16	B.A(H) Geography 1 <sup>st</sup> Yr KMC D.U.KMC D.U.	Yes
16.	Anamika Adhikari	2015-16	B.A(H) Geography 1 <sup>st</sup> Yr KMC D.U.	Yes
17.	Kritika Jha	2015-16	B.Sc (H). Chem 1 <sup>st</sup> Yr KMC D.U.	Yes

Dr.Rupesh Kumar  
Assistant Professor  
Kirori Mal College,  
Department of Chemistry,  
University of Delhi, Delhi-110007  
Ph.9818901344  
Email:chembio005@yahoo.co.in

Principal  
(Dr. Dinesh Khattar)  
Offg. Principal  
Kirori Mal College  
(University of Delhi)  
Delhi - 110 007





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(University of Delhi) Delhi-110007

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(Dr. Dinesh Khattar)  
Offg. Principal  
Kirori Mal College  
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Delhi - 110 007

**MEMBERSHIPS IN ACADEMIC/ PROFESSIONAL BODIES**

Executive member of Indian Society of Analytical Scientists-Delhi Chapter (ISAS-DC)

**AREAS OF INTEREST/ SPECIALIZATION**

- 1.Organic Chemistry
- 2.Green Chemistry
- 3.Nanotechnology

**SUBJECTS TAUGHT**

Time table July-August 2023

**SUBJECTS TAUGHT**

Jan 2024 time table

**5. Research Guidance**

Year	Guide For	Title of the Dissertation/ Thesis	Scholar Name	Status
2023	Ph. D.	Development of Sustainable Catalytic Methodologiesfor Condensation Reactions:C-C and C-N bond formation	Mr.LOVENEESH	Awarded
2004	Ph. D.	Design and Development of Molecular Probes for imaging Techniques	Miss. VISHAKHA CHAUDHARY	Pursuing
2027	Ph. D.	Effect of Radiation on materials	Mr.Vivek Kumar	Pursuing

**6. Research Projects**

Year	Title of Project	Sponsorship Agency	Duration	Amount Sanctioned	Date of Sanction
2006	Polymeric Palladium Nanoparticles as Recoverable Catalysts for Substitution and Condensation Reactions.	Project funded by D.S.T. under the SERC fast track proposal for young scientist (in Chemical Sciences).	36 months	18 Lakhs	01.Apr.2007
2012	Development of Microbial System in Combination of Metal-Accumulating Plants to Remediate Contaminated Sites.	Project funded by D.S.T. under the SERC fast track proposal for young scientist (in Biological Sciences).	36 months	Rs 15,76,000	14.Dec.2012
2015	UGC-BSR start up grant for assistant Professor	UGC start up Grant	24 months	6 Lakhs	18.Nov.2023

2023	Preparation of Biocompatible Palladium- Noscipine Nanoparticles for Cancer Therapy : A green approach	University of Delhi	12 months	4 Lakhs	31.Aug.2015
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## 7. Publications

Category	Publication Name	Title	Name of Author	Reference Link/ DOI Link	Publication (Month-Year)
JOURNAL PAPER (International)	1. Cu- nanoparticles: a chemoselective catalyst for the aza-Michael reactions of N-alkyl- and N-arylpiperazines with acrylonitrile.	Tetrahedron Letters	Akhilesh K. Verma, Rupesh Kumar, Preeti Chaudhary, Amit Saxena, Ravi Shankar, Subho Mozumdar and Ramesh Chandra (Joint Author)	<a href="https://doi.org/10.1016/j.tetlet.2005.05.108">https://doi.org/10.1016/j.tetlet.2005.05.108</a>	June 2005
JOURNAL PAPER (International)	Synthesis and antimicrobial activity of N-alkyl and N-aryl piperazine derivatives.	Bioorganic & Medicinal Chemistry	Preeti Chaudhary, Rupesh Kumar, Akhilesh K. Verma, Devender Singh, Vibha Yadav, Anil K. Chhillar, G. L. Sharma and Ramesh Chandra (Joint Author)	<a href="https://doi.org/10.1016/j.bmc.2005.10.032">https://doi.org/10.1016/j.bmc.2005.10.032</a>	November 2006
JOURNAL PAPER (International)	Polyethylene glycol as a non-ionic liquid solvent for Michael addition reaction of amines to conjugated alkenes.	Green Chemistry	Rupesh Kumar, Preeti Chaudhary, Surendra Nimesh and Ramesh Chandra (First Author)	<a href="https://doi.org/10.1039/B517397C">https://doi.org/10.1039/B517397C</a>	February 2006

JOURNAL PAPER (International)	An efficient synthesis of 1, 5-benzodiazepine derivatives catalyzed by silver nitrate.	Green Chemistry	Rupesh Kumar, Preeti Chaudhary, Surendra Nimesh, Akhilesh K. Verma and Ramesh Chandra (First Author)	DOI <a href="https://doi.org/10.1039/B601993E">https://doi.org/10.1039/B601993E</a>	May 2006
JOURNAL PAPER (International)	Synthesis, characterization and in vitro biological studies of novel cyano derivatives of N-alkyl and N-aryl piperazine.	European Journal of Medicinal Chemistry	Preeti Chaudhary, Surendra Nimesh , Veena Yadav , Akhilesh Kr. Verma , Rupesh Kumar * (Corresponding Author)		November 2007
JOURNAL PAPER (International)	Triton X-100: Green media for aza and thia-Michael addition.	Asian Journal of Chemistry Vol.21, No.7 (2009), 5591-5597	Veena Yadav, Rekha Lagarkha and Rupesh Kumar* (Corresponding Author)		April 2009
JOURNAL PAPER (International)	Catalytic Reduction of Nitroarenes with Polymeric Palladium Nanoparticles	Synthesis and Reactivity in Inorganic, Metal-Organic, and Nano-Metal Chemistry.	Rupesh Kumar,* Veena Yadav, Shweta Gupta, Rekha Lagarkha and Harish Chandra (Corresponding Author)		February 2011
JOURNAL PAPER (International)	Polymeric PEG35k-Pd nanoparticles: efficient and recyclable catalyst for reduction of nitro compounds	Synthetic Communication	Veena Yadav, Shweta Gupta, Rekha Lagarkha and Rupesh Kumar,* (Corresponding Author)		September 2012
JOURNAL PAPER (International)	Green Methodology for Preparation of Disulphide	Green Chemistry Letters and Reviews	Pankaj Attri , Shweta Gupta and Rupesh Kumar,* (Corresponding Author)		June 2011

JOURNAL PAPER (International)	Development of bioactive 2-substituted benzimidazole derivatives using an MnOx/HT nanocomposite catalyst	Dalton Transactions	Loveneesh Kumar, Nishant Verma, Ravi Tomar, Hitesh Sehrawat, Rupesh Kumar* and Ramesh Chandra (Corresponding Author)	November 2023
JOURNAL PAPER (International)	Microwave-assisted catalyst-free multicomponent one-pot green synthesis of highly functionalized aminocyanopyridines and (4-hydroxy)quinolines in aqueous medium and its in silico studies	New Journal of Chemistry	Loveneesh Kumar, Nishant Verma, Neeraj Kumar, Hitesh Sehrawat, Rupesh Kumar and Ramesh Chandra (Corresponding Author)	September 2022
JOURNAL PAPER (International)	Successive oxidation–condensation reactions using a multifunctional gold-supported nanocomposite (Au/MgCe–HDO)	New Journal of Chemistry	Loveneesh Kumar, Nishant Verma, Hitesh Sehrawat, Ravi tomar, Rupesh Kumar and Ramesh Chandra (Corresponding Author)	January 2022
JOURNAL PAPER (International)	Design, Development and Bio-evaluation of a novel radio-ligand Tc-THQ-DTPA as a sigma 2 receptor specific breast tumor imaging agent	Bioorganic & Medicinal Chemistry	Vishakha Chaudhary , Shubhra Chaturvedi , Anju Wadhwa , Ritika Chaudhary , Divya Gautam , Deepika Sharma , Rupesh Kumar , A.K. Mishra (Joint Author)	December 2023

## 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
2022	WORKSHOP/ SEMINAR/ CONFERENCE ATTENDED	ASSOCIATE PROFESSOR	National	National Conference on Frontiers in Chemical Sciences (NCFCS) Nov 04-05, 2022 at Central University of Dharmshala HP	04.Nov.2022 - 05.Nov.2022
2023	WORKSHOP/ SEMINAR/ CONFERENCE ATTENDED	ASSOCIATE PROFESSOR	National	Science for Society & Sustainability in the Light of NEP - 2020 (SSSNEP - 2023) Aggarwal College, Ballabgarh Faridabad (HR)	12.May.2023 - 13.May.2023
2019	INVITED LECTURES/ RESOURCE PERSON/ PAPER PRESENTATIONS ATTENDED	ASSISTANT PROFESSOR	National	National symposium on microbes and nanotechnology for sustainable environment by department of Botany Kirori mal college Delhi University	07.Feb.2019 - 07.Feb.2019

**Dr. RUPESH KUMAR**