



# Kirori Mal College

(University of Delhi)

University of Delhi, Delhi-110007

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



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## 1. Personal Profile

Title: **Dr.** First Name: **RAKSHA** Last Name: **SHARMA**

Designation: **ASSOCIATE PROFESSOR** Mobile No. **9818259896**

Phone No. (Office) **9818259896** Phone No. (Residence):

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

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

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

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

Google Scholar Link: -----

Address: -----



## 2. Educational Qualifications

Degree/ Certification	Institution	Year
NET-JRF	UGC-CSIR	2003
Ph. D.	Delhi University	2009

## 3. Career Profile & Administrative Assignments

Category	Role/ Designation	Department/ Committee	Date From - To	Remarks
CAREER PROFILE	ASSISTANT PROFESSOR	PHYSICS KIRORI MAL COLLEGE, DELHI	03.Jun.2010 - 30.Apr.2022	
ADMINISTRATIVE ASSIGNMENTS	CONVENER	NCC Kirori Mal College, NCC affiliated to 1 Delhi Girls Battallion	07.Nov.2015 - Till date	Associate NCC Officer
CAREER PROFILE	ASSOCIATE PROFESSOR	PHYSICS KIRORI MAL COLLEGE, DELHI	01.May.2022 - Till date	

ADMINISTRATIVE ASSIGNMENTS	OFFICER ON SPECIAL DUTY (OSD)	NCC NCC Bhawan Rohini.	26.Oct.2025 - 06.Nov.2025	Camp Adjutant, in Ek Bharat Shreshth Bharat, National camp with Orissa Directorate
ADMINISTRATIVE ASSIGNMENTS	CONVENER	NCC KIRORI COLLEGE, DELHI	01.Jul.2025 - Till date	ASSOCIATE NCC OFFICER, SENIOR WING
ADMINISTRATIVE ASSIGNMENTS	CONVENER	NCC KIRORI COLLEGE, DELHI	16.May.2026 - Till date	ASSOCIATE NCC OFFICER, SENIOR WING

#### 4. Other Profiles

##### Other Profile Name/ Description

##### FIELD TRIPS ORGANIZED

NCC adventure training cum social service trip was organised from 16-19 January 2026. Fifty cadets participated in high altitude expedition and carried swachhhta drive in the forest area of chandrashila and tungnath regions. They collected around 30 Kg of plastic bottles and polythenes from forest reserve areas.

#### 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
2012	Novel Strategies involving nanomaterials\nanocomposites and biosorption for removal of toxic metals from water KMC-104	University of Delhi-Innovation Project	1 year 2 months	708308	15.May.2012

#### 7. Publications

Category	Publication Name	Title	Name of Author	Reference Link/ DOI Link	Publication (Month-Year)
JOURNAL PAPER (National)	SOME PROPERTIES OF OPV-FRAMES	Poincare Journal of Analysis and Applications	Raksha Sharma (Sole Author)	10.46753/pjaa.2023.v010i01.015	July 2023

JOURNAL PAPER (International)	FeCo nano particles as antibacterial agents with improved response in magnetic field: An insight into the associated toxicity mechanism	Nano Technology	Moditma, Priyanka Singh, Raksha Sharma, Anita K. Verma, S. Annapoorni (Joint Author)	10.1088/1361-6528-abfa53	May 2021
JOURNAL PAPER (National)	Some Properties of OPV-frames	Poincare Journal of Analysis and Applications	Raksha Sharma (Sole Author)		July 2023
JOURNAL PAPER (International)	Some Results on perturbation of duality of OPV-frames	Armenian Jour. Math.	Raksha Sharma (Sole Author)		June 2024
JOURNAL PAPER (International)	SOME RESULTS ON PERTURBATION OF DUALITY OF OPV-FRAMES	Armenian Journal of Mathematics	Raksha Sharma (Sole Author)		June 2024
JOURNAL PAPER (National)	A Note on computability of Hilbert-Schmidt operator	Poincare Journal of Analysis and Applications	Poonam Mantry, S.K.Gandhi and Raksha Sharma (Corresponding Author)		December 2024
JOURNAL PAPER (International)	A Note on Exact Frames in Banach Spaces	International Journal of Analysis and Applications	B. Semthanga, Mina Kumari, Sandeep Kumari, Raksha Sharma (Corresponding Author)	10.28924/2291-8639-22-2024-140	July 2024
JOURNAL PAPER (International)	A Note on Frames in Quaternionic Hilbert Spaces	Sahand Communications in Mathematical Analysis	Sumit Sharma and Raksha Sharma (Corresponding Author)	10.22130/scma.2024.2025108.1666	January 2025

JOURNAL PAPER (International)	Bell Wavelet operational matrix method for convection diffusion equation	Results in Nonlinear Analysis	Shahid Ahmed, Bharti Yadav, Pooja Vats and Raksha Sharma (Corresponding Author)	10.31838/rna/2025.08.02.002	April 2025
JOURNAL PAPER (International)	Dynamical sampling in quaternionic Hilbert spaces	São Paulo Journal of Mathematical Sciences	Ruchi Bhardwaj, Raksha Sharma & S. K. Sharma (Corresponding Author)	10.1007/s40863-025-00496-1	May 2025
JOURNAL PAPER (International)	On Greedy Types Frame Systems	Allerton Press, Inc. / Springer Nature	U. Yadav, R. Sharma and S. Jahan (Joint Author)	10.3103/S1068362325700244	March 2026
CONFERENCE PAPER/ PROCEEDINGS (International)	Recent Advances in Carbon based nanomaterials as electrochemical sensor for toxic metal ions in environmental applications.	Materials Today: Proceedings	Amit Lochab, Raksha Sharma, Siddharth Kumar, Reena Saxena (Joint Author)	<a href="https://doi.org/10.1016/j.matpr.2021.01.271">https://doi.org/10.1016/j.matpr.2021.01.271</a>	January 2021

## 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
2023	REFRESHER COURSE ATTENDED	ASSOCIATE PROFESSOR	National	NCC Refresher Course	30.Jan.2023 - 18.Feb.2023
2024	INVITED LECTURES/ RESOURCE PERSON/ PAPER PRESENTATIONS ATTENDED	INVITED SPEAKER	International	4th international conference on mathematical analysis and generalized integration UAMI-BUAP (virtual and face to face seminar)	08.Feb.2024 - 10.Feb.2024
2024	INVITED LECTURES/ RESOURCE PERSON/ PAPER PRESENTATIONS ATTENDED	INVITED SPEAKER	International	4th international conference on mathematical analysis and generalized integration UAMI-BUAP (virtual and face to face seminar)	08.Feb.2024 - 10.Feb.2024

**Dr. RAKSHA SHARMA**