



# Kirori Mal College

(University of Delhi)

University of Delhi, Delhi-110007

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



Print Date : 16-05-2026

## 1. Personal Profile

Title: **Prof.** First Name: **GEETANJALI** Last Name: **GEETANJALI**

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

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

Email: **geetanjalicem@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. (H) Chemistry	Ramjas College, University of Delhi, Delhi-07	1996
M.Sc. (Organic chemistry Specilization)	Ramjas College, University of Delhi, Delhi-07	1998
M. Phil (Organic chemistry)	Department of Chemistry, Delhi University, Delhi-07	1999
Ph.D. (Organic Chemistry)	Department of Chemistry, Delhi University, Delhi-07	2003
Delhi University	Ramjas College	1993

## 3. Career Profile & Administrative Assignments

Category	Role/ Designation	Department/ Committee	Date From - To	Remarks
ADMINISTRATIVE ASSIGNMENTS	CONVENER	CHEMISTRY New Pension Committee	01.May.2023 - 31.May.2025	New Pension Scheme Committee
ADMINISTRATIVE ASSIGNMENTS	MEMBER	CHEMISTRY Canteen committee	01.May.2023 - 31.May.2025	

ADMINISTRATIVE ASSIGNMENTS	MEMBER	CHEMISTRY Montage -The Film Society	01.May.2023 - 31.May.2025	
ADMINISTRATIVE ASSIGNMENTS	MEMBER	CHEMISTRY Sensation-The Dance Society	01.May.2024 - 31.May.2025	
ADMINISTRATIVE ASSIGNMENTS	MEMBER	CHEMISTRY The SPIC MACAY Unit	01.Jun.2024 - 31.May.2025	
ADMINISTRATIVE ASSIGNMENTS	MEMBER	CHEMISTRY Departmental Student-Faculty Committee	01.May.2023 - 31.May.2025	
ADMINISTRATIVE ASSIGNMENTS	MEMBER	CHEMISTRY Departmental Library committee	01.Jun.2024 - 31.May.2025	
ADMINISTRATIVE ASSIGNMENTS	MEMBER	CHEMISTRY Department Seminar Committee	01.May.2024 - 31.May.2025	
ADMINISTRATIVE ASSIGNMENTS	MEMBER	CHEMISTRY Department Seminar Committee	01.May.2024 - 31.May.2025	
ADMINISTRATIVE ASSIGNMENTS	CONVENER	CHEMISTRY Departmental Moderation Committee	01.May.2024 - 31.May.2025	
ADMINISTRATIVE ASSIGNMENTS	PROFESSOR	CHEMISTRY New Pension Committee	30.May.2023 - 30.May.2025	

#### 4. Other Profiles

**Other Profile Name/ Description**

## CONTRIBUTION TOWARDS DEVELOPMENT OF E-CONTENTS/ MOOCS

### SUBJECTS TAUGHT

**Organic Chemistry-I (Basics of Hydrocarbons, Stereochemistry, Alkanes, alkenes and alkynes);**

**Organic Chemistry-II (O-Containing Functional groups); Organic Chemistry-III (Heterocyclic Chemistry),**

**Organic Chemistry-I (Basics and Hydrocarbons), Organic Chemistry IV (Biomolecules) Practical's, etc.**

**Organic Chemistry-I (Basics of Hydrocarbons, Stereochemistry, Alkanes, alkenes and alkynes);**

**Organic Chemistry-II (O-Containing Functional groups); Organic Chemistry-III (Heterocyclic Chemistry),**

**Organic Chemistry-I (Basics and Hydrocarbons), Organic Chemistry IV (Biomolecules) Practical's, etc.**

# *Modules for ePG Pathshala (10)*

Project by UGC under the National *Mission* on Education through Information and Communication Technology (NMEICT) of MHRD, Govt of India.

1. Ram Singh and Geetanjali: *Paper 12*. Organic Spectroscopy; Nov **2015**.

*Module 22: Applications of  $^{13}\text{C}$  NMR*

*Module 23: Advance NMR Techniques*

*Module 29: Combined problem on UV, IR,  $^1\text{H}$  NMR,  $^{13}\text{C}$  NMR and Mass – Part-I*

*Module 30: Combined problem on UV, IR,  $^1\text{H}$  NMR,  $^{13}\text{C}$  NMR and Mass – Part-II*

2. Ram Singh and Geetanjali, *Paper 14*. Organic Chemistry – IV (Advance organic synthesis, supramolecular chemistry and carbocyclic rings), Apr **2016**.

*Module 27: Chemistry of small ring compounds*

*Module 28: Chemistry of medium and large ring compounds*

*Module 30: Azulenes*

*Module 32: Annulenes*

*Module 33: Bridged rings*

*Module 34: Caged Molecules*

3. Ram Singh and Geetanjali; *Paper 1*.

Paper No. & Title: 1 and Organic Chemistry-I (Nature of bonding and Stereochemistry) Module No. & Title: 33 Qualitative correlation between conformation and reactivity Module Tag: CHE\_P1\_M33

## FACULTY DEVELOPMENT PROGRAM (FDP) ORGANIZED

Organised one-week FDP on "Environmental Sciences and Public Health" February 1-5, 2022.

## REFRESHER COURSE ORGANIZED

### WAYAM ARPIT ONLINE COURSE CERTIFICATION

Successfully completed the ARPIT Course for Career Advancement Scheme(CAS) promotion

Online Refresher Course In Chemistry For Higher Education with an "A" Grade in the proctored examination held on 16.02.2020

Sri Guru Tegh Bahadur Khalsa College, University of Delhi

## 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
2011	Synthetic Isoalloxazines as model for monoamine oxidase	University Grant Commission (UGC), India.	18 months	1,88,400/-)	21.Dec.2011
2013	Understanding the desertification and related socio-economic scenario of national capital region of Delhi	University of Delhi	2 Years	500000	20.Nov.2013

## 7. Publications

Category	Publication Name	Title	Name of Author	Reference Link/ DOI Link	Publication (Month-Year)
JOURNAL PAPER (International)	Synthesis and Anti-cancer applications of Benzimidazole derivatives – Recent Studies	Anti-Cancer Agents in Medicinal Chemistry,	Yogesh K. Tyagi, Geetanjali, and Ram Singh (Joint Author)	10.2174/1871520622666220429134818	November 2022
JOURNAL PAPER (International)	Chemistry of four heterocyclic drug molecules repurposed for Covid-19	Mini-Reviews in Organic Chemistry	Geetanjali, Richa Srivastava, and Ram Singh (First Author)	10.2174/1570193X18666210325121225	February 2022
JOURNAL PAPER (International)	Microwave-assisted organic synthesis in Water	Current Microwave Chemistry	Geetanjali and Ram Singh (First Author)	10.2174/2213335608666210623151121	February 2021

JOURNAL PAPER (International)	Chemical degradation of post-consumer poly(bisphenol A carbonate) waste materials	International Journal of Advance Production and Industrial Engineering (IJAPIE)	Surybala Shahi, Geetanjali and Ram Singh (Joint Author)		March 2020
JOURNAL PAPER (International)	Phytoremediation technology for removal of heavy metals: A brief review	American Journal of Environmental Biology	Geetanjali and Ram Singh (First Author)	<a href="https://doi.org/10.47610/ajeb-2020-a1v3">https://doi.org/10.47610/ajeb-2020-a1v3</a>	January 2020
JOURNAL PAPER (International)	Phytochemical screening, antioxidant and antimicrobial activities of Bombax ceiba flower	Algerian Journal of Natural Products	Deepshikha Rathore, Richa Srivastava, Geetanjali and Ram Singh (Joint Author)	<a href="https://dx.doi.org/10.5281/zenodo.3353413">https://dx.doi.org/10.5281/zenodo.3353413</a>	January 2019
JOURNAL PAPER (International)	Phytochemistry and pharmacology of Genus Bombax	The Natural Products Journal	Deepshikha Rathore, Geetanjali, and Ram Singh (Joint Author)	10.2174/2210315508666180831095836	March 2019
JOURNAL PAPER (International)	Nanoneuromedicines for neurodegenerative diseases	Nanoscience & Nanotechnology – Asia	Ram Singh and Geetanjali (Joint Author)	10.2174/2210681208666171211160433	January 2019
JOURNAL PAPER (International)	Chemical Degradation of Poly(bisphenol A carbonate) waste materials: A Review	Chemistry Select	Ram Singh, Surybala Shahi and Geetanjali (Joint Author)	10.1002/slct.201802577	January 2018
JOURNAL PAPER (International)	Electrochemical and spectroscopic studies of riboflavin	Analytical Chemistry Letters	Ram Singh, Deepshikha Rathore, Chandra Mouli Pandey, Geetanjali and Richa Srivastava (Joint Author)	10.1080/22297928.2018.1498018	May 2018
JOURNAL PAPER (International)	Solid Flavinium perchlorate salt as catalyst for Bayer-Villiger Oxidation: Effect of N10 chain length	Materials Today Proceeding	Ram Singh, Deepshikha Rathore, Geetanjali and Richa Srivastava (Joint Author)	<a href="https://doi.org/10.1016/j.matpr.2018.05.025">https://doi.org/10.1016/j.matpr.2018.05.025</a>	May 2018

JOURNAL PAPER (International)	Alcohol abuse and related health issues	International Research Journal of Medical Sciences	Geetanjali, Poonam, Babita Veer and Ram Singh (First Author, Joint Author)		September 2016
JOURNAL PAPER (International)	Asparagus racemosus: a review on its phytochemical and therapeutic potential	Natural Product Research	Ram Singh and Geetanjali (Joint Author)	10.1080/14786419.2015.1092148	July 2016
JOURNAL PAPER (International)	Chemistry and bioactivity of $\alpha$ -aminocarbonyl compounds	Mini-Reviews in Organic Chemistry	Ram Singh; Geetika Bhasin; Richa Srivastava and Geetanjali (Joint Author)	10.2174/1570193X13666160225001122	January 2016
JOURNAL PAPER (International)	Phytochemical and pharmacological investigations of <i>Ricinus communis</i> Linn.	Algerian Journal of Natural Products	Ram Singh and Geetanjali (Joint Author)		January 2015
JOURNAL PAPER (International)	Understanding the toxicity profile of chromium in areas around industries located in Delhi – NCR	Asian Academic Research Journal of Multidisciplinary	M.C. Sharma, Geetanjali and Subhash (Joint Author)		April 2016
JOURNAL PAPER (International)	Assimilated exploration of climate change, land-use change and environmental degradation – a case study of Alwar Industrial Area of Delhi-NCR	; International Journal of Modern Trends in Engineering and Research (IJMTER)	M.C. Sharma, Geetanjali and Subhash; Understanding the toxicity profile of chromium in areas around industries located in Delhi – NCR; Asian Academic Research Journal of Multidisciplinary; 3(4), 227-235, 2016. (Joint Author)		March 2016

JOURNAL PAPER (International)	Desertification, Ecological Footprints and Land use change: A case study of National Capital Territory of Delhi	Applied Research Journal	M.C. Sharma, Geetanjali, S.K. Sharma, Subhash, Ajay (Joint Author)		April 2015
JOURNAL PAPER (International)	An improved synthesis of $\alpha$ -amino carbonyl compounds using FeCl <sub>3</sub> -Silica Gel,	Journal of Chemical and Pharmaceutical Research	Ram Singh, Geetika Bhasin, Geetanjali and R. Srivastava (Joint Author)		November 2014
JOURNAL PAPER (International)	Use of flavins as catalyst for the remediation of halogenated compounds	Applied Biochemistry and Biotechnology	Deepshikha Rathore, Ram Singh, Geetanjali and R. Srivastava (Joint Author)		March 2014
JOURNAL PAPER (International)	Monoamine oxidase inhibitors for neurological disorders: A review	Chemical Biology Letters	Ram Singh, Geetanjali and N. Sharma (Joint Author)		January 2014
JOURNAL PAPER (International)	Solvent free reaction of 1-chloro-2-nitrobenzene with anilines	Der Chemica Sinica	Ram Singh, D. Rathore, Geetanjali and R. Srivastava (Joint Author)		May 2013
JOURNAL PAPER (International)	Nutraceuticals: Promising health product	International Research Journal of Medical Sciences	Ram Singh and Geetanjali (Joint Author)		January 2013
JOURNAL PAPER (National)	Effect of Multi-step Sintering on the density of Li <sub>7</sub> La <sub>3</sub> Zr <sub>1.75</sub> Ce <sub>0.25</sub> O <sub>12</sub> as Solid-State Electrolyte Material.	Indian Journal of Pure & Applied Physics Vol.	Geetanjali (Joint Author)	10.56042/ijpap.v62i2.7700	February 2024
CHAPTER (International)	Microbial Degradation of Plastics in Bioremediation for Environmental Pollutants	Bentham Science Publishers	Geetanjali, V. Singh, and R. Singh; (First Author)	<a href="https://doi.org/10.2174/9789815123494123010015">https://doi.org/10.2174/9789815123494123010015</a>	January 2025
CHAPTER (International)	Role of Herbal Medicine in Boosting Immune System.	Springer, Singapore	A. Dabas, P. Yadav, Geetanjali, and R. Singh (Joint Author)	<a href="https://doi.org/10.1007/978-981-99-7703-1_19">https://doi.org/10.1007/978-981-99-7703-1_19</a>	January 2025

CHAPTER (International)	Biobased Materials from Banana Peels	Academic Press	P. Yadav, Geetanjali, and R. Singh, (Joint Author)	<a href="https://doi.org/10.1016/B978-0-323-95937-7.00002-0">https://doi.org/10.1016/B978-0-323-95937-7.00002-0</a>	February 2024
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## 8. Books

Category	Book Name	Title	Name of Author	ISSN/ ISBN Number
BOOK (National)	Chemistry for Class XII	Geetanjali and Ram Singh (First Author)	RGN Publication, Delhi, India	ISBN: 81-904221-0-3
BOOK (International)	Teachers Guide, Chemistry: A textbook for Grade 12 (for Republic of Liberia)	Geetanjali, Ram Singh (First Author)	Star Educational Books Distributors (P) Ltd, Delhi,	ISBN 978-93-95626-33-0
BOOK (International)	Teachers Guide, Chemistry: A textbook for Grade 11 (for Republic of Liberia)	Geetanjali, Ram Singh (First Author)	Star Educational Books Distributors (P) Ltd, Delhi,	ISBN 978-93-95626-23-1
BOOK (International)	Teachers Guide, Chemistry: A textbook for Grade 10 (for Republic of Liberia)	Geetanjali, Ram Singh (First Author)	Star Educational Books Distributors (P) Ltd, Delhi,	ISBN 978-93-95626-13-2
BOOK (International)	Chemistry: A textbook for Grade 12 (for Republic of Liberia)	Geetanjali and Ram Singh (First Author)	Star Educational Books Distributors (P) Ltd, Delhi,	ISBN 978-93-95626-32-3
BOOK (International)	Chemistry: A textbook for Grade 11 (for Republic of Liberia)	Geetanjali, Ram Singh (First Author)	Star Educational Books Distributors (P) Ltd, Delhi,	ISBN 978-93-95626-22-4
BOOK (International)	Chemistry: A textbook for Grade 10 (for Republic of Liberia)	Geetanjali, Ram Singh (First Author)	Star Educational Books Distributors (P) Ltd, Delhi,	ISBN 978-93-95626-12-5
BOOK (International)	Unitext for Freshmen: Chemistry	JL Sharma, Ram Singh and Geetanjali (Joint Author)	Artz Books	
BOOK (National)	Rashayan for class XII (Chemistry in Hindi)	Geetanjali, Ram Singh (First Author)	GRD Prakashan, Delhi, India	ISBN 978-81-923467-6-2
BOOK (National)	Learning Science for Class IX	Geetanjali, Ram Singh (First Author)	GRD Prakashan, Delhi, India	ISBN 978-81-923467-4-8
BOOK (National)	Learning Chemistry for Class XI	Geetanjali, Ram Singh (First Author)	GRD Prakashan, Delhi, India	ISBN 978-81-923467-3-1
BOOK (National)	Engineering Chemistry (GBTU)	Ram Singh, Geetanjali and R. Srivastava (Joint Author)	Pearson Education	ISBN 978-93-325212-7-8
BOOK (National)	Fundamental Practical Chemistry	Geetanjali, Ram Singh (First Author)	Dhanraj Book House, Delhi, India,	ISBN 978-81-906769-3-9
BOOK (National)	Learning Chemistry for Class XII	Ram Singh and Geetanjali (Joint Author)	GRD Prakashan, Delhi, India	ISBN 978-81-923467-1-7
BOOK (National)	Learning Science for Class X	Geetanjali, Ram Singh (First Author)	GRD Prakashan, Delhi, India	ISBN 978-81-923467-0-0

## 9. Faculty Achievements

Year	Category of Achievement	Role	National/ International etc.	Name	Date From-To
2020	REFRESHER COURSE ATTENDED	PARTICIPANT	National	SWAYAM ARPIT ONLINE COURSE CERTIFICATION	15.Oct.2019 - 16.Feb.2020

**Prof. GEETANJALI GEETANJALI**