



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

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

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

Email: **geetanjalichem@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 | |

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|----------------------------|-----------|--|---------------------------|--|
| 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}C NMR

Module 23: Advance NMR Techniques

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

Module 30: Combined problem on UV, IR, ^1H NMR, ^{13}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 |

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|-------------------------------|---|---|---|---|--------------|
| 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) | https://doi.org/10.47610/ajeb-2020-a1v3 | 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) | https://dx.doi.org/10.5281/zenodo.3353413 | 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) | https://doi.org/10.1016/j.matpr.2018.05.025 | May 2018 |

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|-------------------------------|---|---|--|-----------------------------------|----------------|
| 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 α -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 Ricinus communis 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 |

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|----------------------------------|---|--|--|---|---------------|
| 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 α -amino carbonyl compounds using FeCl ₃ -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 ₇ La ₃ Zr _{1.75} Ce _{0.25} O ₁₂ 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) | https://doi.org/10.2174/9789815123494123010015 | January 2025 |
| CHAPTER (International) | Role of Herbal Medicine in Boosting Immune System. | Springer, Singapore | A. Dabas, P. Yadav, Geetanjali, and R. Singh (Joint Author) | https://doi.org/10.1007/978-981-99-7703-1_19 | January 2025 |

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| CHAPTER (International) | Biobased Materials from Banana Peels | Academic Press | P. Yadav, Geetanjali, and R. Singh, (Joint Author) | https://doi.org/10.1016/B978-0-323-95937-7.00002-0 | 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