



Kirori Mal College

(University of Delhi)

University of Delhi, Delhi-110007

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



Print Date : 31-05-2026

1. Personal Profile

Title: **Dr.** First Name: **ABHISHEK** Last Name: **VERMA**

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

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

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



Facebook: www.fb.com/abhishekvermag

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Youtube: -----

Research Gate Link: -----

Google Scholar Link: -----

Address: **DEPARTMENT OF CHEMISTRY, KIRORI MAL COLLEGE, NORTH CAMPUS, UNIVERSITY OF DELHI, DELHI-110007.**

2. Educational Qualifications

| Degree/ Certification | Institution | Year |
|-------------------------|---|------|
| Ph.D. Chemistry | University of Delhi | 2023 |
| M.Sc. Chemistry | Indian Institute of Technology Delhi | 2015 |
| B.Sc. (H) Chemistry | Kirori Mal College, University of Delhi | 2012 |
| Senior Secondary School | Jawahar Navodaya Vidyalaya, Saharanpur, Uttar Pradesh | 2008 |

3. Career Profile & Administrative Assignments

| Category | Role/ Designation | Department/ Committee | Date From - To | Remarks |
|----------------------------|-------------------|--|-------------------------|---------|
| ADMINISTRATIVE ASSIGNMENTS | CONVENER | ALUMNI COMMITTEE KIRORI MAL COLLEGE, DELHI | 08.May.2023 - Till date | |
| ADMINISTRATIVE ASSIGNMENTS | MEMBER | PROCTOR & DISCIPLINE COMMITTEE KIRORI MAL COLLEGE, DELHI | 18.May.2023 - Till date | |

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|----------------------------|--------|--|------------------------------|--|
| ADMINISTRATIVE ASSIGNMENTS | MEMBER | HOSTEL ADMISSION COMMITTEE KIRORI MAL COLLEGE, DELHI | 18.May.2023 - Till date | |
| ADMINISTRATIVE ASSIGNMENTS | MEMBER | ALUMNI COMMITTEE KIRORI MAL COLLEGE, DELHI | 18.May.2022 - 17.May.2023 | |
| ADMINISTRATIVE ASSIGNMENTS | MEMBER | STUDENT UNION ACTIVITIES COMMITTEE Kirori Mal College | 08.Apr.2023 - Till date | |

4. Other Profiles

Other Profile Name/ Description

FACULTY DEVELOPMENT PROGRAM (FDP) ORGANIZED

Was member of the Organising Committee to organise one-week Online Faculty Development Programme on "Environmental Sciences and Public Health" from February 1st-5th, 2022 which was organised by Kirori Mal College, University of Delhi in collaboration with Mizoram University under the aegis of Pandit Madan Mohan Malviya National Mission on Teachers and Training (PMMMNMTT), Ministry of Education, Government of India.

WORKSHOP/ SEMINAR/ CONFERENCE/ WEBINAR ORGANIZED

Was a member of the Organizing Committee to organise the online International Conference "9th Asian Network for Natural & Unnatural Materials (ANNUM-9)" held on 8th April, 2022 in the Department of Chemistry, University of Delhi, INDIA.

SUBJECTS TAUGHT

Organic Chemistry papers taught:

1. Carbonyls, Carboxylic Acids, Amines, Nitro Compounds, Nitriles, Isonitriles and Diazonium salts (D.S.C.-N.E.P.; B.Sc. (H) Chemistry-III semester)
2. Basic Concepts and Aliphatic Hydrocarbons (D.S.C.-N.E.P.; B.Sc. (H) Chemistry-I semester)
3. Instrumental Methods of Analysis (D.S.E.-L.O.C.F.; B.Sc. (P) Analytical Chemistry-VI semester)
4. Separation Methods-II (Core-L.O.C.F.; B.Sc. (P) Analytical Chemistry-IV semester)
5. Analytical Biochemistry (D.S.E.-N.E.P.; B.Sc. (P) Analytical Chemistry-III semester)
6. Analytical Clinical Biochemistry (S.E.C.-L.O.C.F.; B.Sc. (P) Physical Science-VI semester)
7. Pesticide Chemistry (S.E.C.-L.O.C.F.; B.Sc. (P) Physical Science-IV semester)
7. Green Methods in Chemistry (S.E.C.-L.O.C.F.; B.Sc. (P) Analytical Chemistry-III semester)
8. Molecules of Life (G.E.-L.O.C.F.; B.Sc. (H)-II semester)

Inorganic Chemistry papers taught:

1. Inorganic Chemistry III: Coordination Chemistry (Core-L.O.C.F.; B.Sc. (H) Chemistry-IV semester)
2. Inorganic Chemistry II: s- and p-Block Elements (Core-L.O.C.F.; B.Sc. (H) Chemistry-III semester)
3. Organometallics, Bioinorganic Chemistry, Polynuclear Hydrocarbons and UV, IR Spectroscopy (D.S.E.-L.O.C.F.; B.Sc. (P) Physical Science-VI semester)
4. Chemistry of d-Block Elements, Quantum Chemistry and Spectroscopy (D.S.E.-L.O.C.F.; B.Sc. (P) Physical Science-V semester)
5. Periodic Properties and Chemical Bonding (D.S.C.-N.E.P.; B.Sc. (P) Analytical Chemistry-II semester)
6. Chemical Energetics, Equilibria and Functional Group Organic Chemistry-I (Core,-L.O.C.F.; B.Sc. (P) Physical Science-II semester)
7. Basic Principles and Laboratory Operations (D.S.C.-N.E.P.; B.Sc. (P) Analytical Chemistry-I semester)
8. Atomic Structure, Bonding, General Organic Chemistry & Aliphatic Hydrocarbons (Core,-L.O.C.F.; B.Sc. (P) Physical Science-I semester)
9. Chemistry of s- and p-Block Elements, States of Matter and Chemical Kinetics (G.E.-L.O.C.F.; B.Sc. (H)-II semester)

AREAS OF INTEREST/ SPECIALIZATION

Area of interests:

1. Heterocyclic compounds
2. Reaction Mechanisms
3. General Organic Chemistry
4. Functional Group Chemistry

5. Research Guidance

| Year | Guide For | Title of the Dissertation/ Thesis | Scholar Name | Status |
|------|-----------|-----------------------------------|--------------|--------|
|------|-----------|-----------------------------------|--------------|--------|

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) | Glycerol-Triazole Conjugated Rhodamine as Colorimetric and Fluorimetric Sensor for Cu ²⁺ | ChemistrySelect | Abhishek Verma, Parveen Gahlyan, Rashim Bawa, Soumya Ranjan Dash, Ashok K. Kumar and Rakesh Kumar (First Author) | https://doi.org/10.1002/slct.202102145 | October 2021 |
| JOURNAL PAPER (International) | Chemical libraries targeting Liver Stage Malarial infection | Chemical Biology LETTERS | Abhishek Verma, Neha Sharma, Poonam, Prakasha Kempaiah and Brijesh Rathi (Joint Author) | http://pubs.thesciencein.org/cbl | July 2019 |

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| JOURNAL PAPER (International) | Oxygen mediated highly efficient cobalt(II) porphyrin-catalyzed reduction of functional chromones: experimental and computational studies | New Journal of Chemistry | Poonam, Pratibha Kumari, Maria Grishina, Vladimir Potemkin, Abhishek Verma and Brijesh Rathi (Joint Author) | 10.1039/c9nj00266a | March 2019 |
| JOURNAL PAPER (International) | Design and synthesis of fluorescent symmetric bis-triazolylated-1,4-dihydropyridines as potent antibreast cancer agents | SYNTHETIC COMMUNICATIONS | Rakesh Kumar, Parveen Gahlyan, Abhishek Verma, Ruchi Jain, Sharmistha Das, Rituraj Konwar and Ashok K. Prasad (Joint Author) | https://doi.org/10.1080/00397911.2017.1422521 | December 2017 |

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 | FACULTY DEVELOPMENT PROGRAM ATTENDED | ASSISTANT PROFESSOR | National | One-week online Faculty Development Programme on "Environmental Sciences and Public Health" | 01.Feb.2022 - 05.Feb.2022 |
| 2022 | FACULTY DEVELOPMENT PROGRAM ATTENDED | ORGANIZER | National | One-week online Faculty Development Programme on "Environmental Sciences and Public Health" | 01.Feb.2022 - 05.Feb.2022 |
| 2022 | WORKSHOP/ SEMINAR/ CONFERENCE ATTENDED | ASSISTANT PROFESSOR | International | 9th ASIAN NETWORK FOR NATURAL & UNNATURAL MATERIALS (ANNUM-9)' 2022 | 08.Apr.2022 - 08.Apr.2022 |

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| 2023 | FACULTY DEVELOPMENT PROGRAM ATTENDED | ASSISTANT PROFESSOR | National | One Week (Online) Faculty Development Programme on "Ethics and Values in Indian Knowledge System" | 06.Jun.2023 - 12.Jun.2023 |
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Dr. ABHISHEK VERMA