



# Kirori Mal College

(University of Delhi)

University of Delhi, Delhi-110007

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



Print Date : 15-04-2026

## 1. Personal Profile

Title: **Dr.** First Name: **KIRAN** Last Name: **ARORA**

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

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

Email: **kiran@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 (integrated course) | Sri Vekteswara college, University Of Delhi | 2001 |
| M.Sc                                   | Hindu College, DU                           | 2003 |
| M.phil in chemistry                    | University of Delhi                         | 2004 |

## 3. Career Profile & Administrative Assignments

| Category       | Role/ Designation   | Department/ Committee                                  | Date From - To            | Remarks |
|----------------|---------------------|--|---------------------------|---------|
| CAREER PROFILE | ASSISTANT PROFESSOR | CHEMISTRY HINDU COLLEGE, DELHI                         | 01.Nov.2007 - 30.Apr.2008 |         |
| CAREER PROFILE | ASSISTANT PROFESSOR | CHEMISTRY Sri Venkteswara College- University of Delhi | 03.Aug.2008 - 10.Nov.2008 |         |
| CAREER PROFILE | ASSOCIATE PROFESSOR | CHEMISTRY KIRORI MAL COLLEGE, DELHI                    | 11.Nov.2008 - Till date   |         |

|                            |                   |                                     |                           |  |
|----------------------------|-------------------|-------------------------------------|---------------------------|--|
| ADMINISTRATIVE ASSIGNMENTS | TEACHER-IN-CHARGE | CHEMISTRY KIRORI MAL COLLEGE, DELHI | 01.May.2022 - 30.Apr.2023 |  |
| ADMINISTRATIVE ASSIGNMENTS | CONVENER          | CHEMISTRY KIRORI MAL COLLEGE, DELHI | 01.May.2019 - 30.Apr.2021 | convener, time table committee, chemistry department   |
| ADMINISTRATIVE ASSIGNMENTS | MEMBER            | CHEMISTRY KIRORI MAL COLLEGE, DELHI | 01.May.2019 - 22.Apr.2023 | member of departmental purchase committee  |
| ADMINISTRATIVE ASSIGNMENTS | MEMBER            | CHEMISTRY KIRORI MAL COLLEGE, DELHI | 19.May.2001 - 30.Apr.2023 | departmental library committee   |
| ADMINISTRATIVE ASSIGNMENTS | MEMBER            | CHEMISTRY KIRORI MAL COLLEGE, DELHI | 01.Oct.2019 - 30.Sep.2020 | superintendent practical examination, chemistry department   |
| ADMINISTRATIVE ASSIGNMENTS | MEMBER            | CHEMISTRY KIRORI MAL COLLEGE, DELHI | 01.Jun.2019 - 31.May.2023 | member of garden committee   |
| ADMINISTRATIVE ASSIGNMENTS | MEMBER            | CHEMISTRY KIRORI MAL COLLEGE, DELHI | 01.Jun.2019 - 31.May.2023 | member of FAPS   |
| ADMINISTRATIVE ASSIGNMENTS | MEMBER            | CHEMISTRY KIRORI MAL COLLEGE, DELHI | 01.Jun.2020 - Till date   | member of prayas   |
| CAREER PROFILE             | RESOURCE PERSON   | CHEMISTRY KIRORI MAL COLLEGE, DELHI | 21.Jul.2019 - 21.Jul.2019 | Hands on Workshop on "UV-Visible spectrophotometry and its Application" Department of chemistry Kirori Mal College University of Delhi, Delhi under the aegis of DBT star scheme |
| ADMINISTRATIVE ASSIGNMENTS | MEMBER            | CHEMISTRY kirori Mal college        | 01.May.2023 - 30.Apr.2024 | member of time table committee.  |
| ADMINISTRATIVE ASSIGNMENTS | MEMBER            | CHEMISTRY Kirori Mal College        | 01.May.2024 - 30.Apr.2025 |  |

#### 4. Other Profiles

**Other Profile Name/ Description**

**CONTRIBUTION TOWARDS DEVELOPMENT OF E-CONTENTS/ MOOCS**

Written open educational resource Teacher's e-Kit (e-content in Four Quadrants Format) on topic : **Module 1 D introduction and classification. (April 2020)**

**Module 2 Chemistry of Alizarin (2021)**

**Module 3 Chemistry of Indigo (2021)**

**Module 4 Chemistry of Triarylmethane dyes (2021)**

**Module 5 Chemistry of Phthalein dyes (2021)**

**CONTRIBUTION TOWARDS DEVELOPMENT OF E-CONTENTS/ MOOCS**

|                       |                   |                   |      |                         |   |
|-----------------------|-------------------|-------------------|------|-------------------------|---|
| Chemistry of Alizarin | B.Sc(H) chemistry | Organic chemistry | MHRD | UG level teacher's ekit | <a href="https://myeclass.academy/course/view.php?id=2535#section32">https://myeclass.academy/course/view.php?id=2535#section32</a> |
|-----------------------|-------------------|-------------------|------|-------------------------|---|

**CONTRIBUTION TOWARDS DEVELOPMENT OF E-CONTENTS/ MOOCS**

|                     |                   |                   |      |                         |   |
|---------------------|-------------------|-------------------|------|-------------------------|---|
| Chemistry of Indigo | B.Sc(H) chemistry | Organic chemistry | MHRD | UG level teacher's ekit | <a href="https://myeclass.academy/course/view.php?id=2535#section33">https://myeclass.academy/course/view.php?id=2535#section33</a> |
|---------------------|-------------------|-------------------|------|-------------------------|---|

**CONTRIBUTION TOWARDS DEVELOPMENT OF E-CONTENTS/ MOOCS**

|                                    |                   |                   |      |                         |   |
|------------------------------------|-------------------|-------------------|------|-------------------------|---|
| Chemistry of triphenylmethane dyes | B.Sc(H) chemistry | Organic chemistry | MHRD | UG level teacher's ekit | <a href="https://myeclass.academy/course/view.php?id=2535#section34">https://myeclass.academy/course/view.php?id=2535#section34</a> |
|------------------------------------|-------------------|-------------------|------|-------------------------|---|

**CONTRIBUTION TOWARDS DEVELOPMENT OF E-CONTENTS/ MOOCS**

|   |                   |                   |      |                         |   |
|---|-------------------|-------------------|------|-------------------------|---|
| Chemistry of Phthalein phthalocyanine and edible dyes | B.Sc(H) chemistry | Organic chemistry | MHRD | UG level teacher's ekit | <a href="https://myeclass.academy/course/view.php?id=2535#section35">https://myeclass.academy/course/view.php?id=2535#section35</a> |
|---|-------------------|-------------------|------|-------------------------|---|

**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 |
|------|------------------|--------------------|----------|-------------------|------------------|
|------|------------------|--------------------|----------|-------------------|------------------|

**7. Publications**

| Category                      | Publication Name  | Title  | Name of Author   | Reference Link/ DOI Link  |
|-------------------------------|---|--|--|---|
| JOURNAL PAPER (International) | Nickel boride mediated cleavage of 1,3-oxathiolanes: a convenient approach to deprotection and reduction                        | Monatshefte für chemie   | Kiran Arora (First Author, Joint Author)   | <a href="https://www.researchgate.net/publication/285386070_Nickel_Boride_Oxathiolanes_A_Convenient_Approach_to_Deprotection_and_Reduction">https://www.researchgate.net/publication/285386070_Nickel_Boride_Oxathiolanes_A_Convenient_Approach_to_Deprotection_and_Reduction</a> |
| JOURNAL PAPER (International) | Effect of biopriming and nanopriming on physio-biochemical characteristics of <i>Cicer arietinum</i> L. under drought stress,   | plant stress   | Simran Rani, Pradeep Kumar, Priyanka Dahiya, Aditi Gupta, Kiran Arora, Amita Suneja Dang, Pooja Suneja, (Joint Author) | <a href="https://doi.org/10.1016/j.stress.2024.100466">https://doi.org/10.1016/j.stress.2024.100466</a> .   |
| JOURNAL PAPER (International) | Reduction of organic sulfones, selenones and tellurones using magnesium and methanol as reductant                               | Phosphorus, Sulfur, and Silicon and the Related Elements/ Taylor & Francis | Kiran Arora, Jitender M. Khurana (First Author, Corresponding Author)  | <a href="https://doi.org/10.1080/10426507.2025.2463459">https://doi.org/10.1080/10426507.2025.2463459</a>   |
| JOURNAL PAPER (International) | Functional properties of Cosmeceuticals: A Unified chemist Perspective on Urea, Salicylic Acid, Glycolic Acid, and Niacinamide” | IOSR- Applied chemistry  | Kiran Arora (Sole Author, Corresponding Author)  | 10.9790/5736-1805011520   |

|                                 |   |                       |   |   |
|---------------------------------|---|-----------------------|---|---|
| RESEARCH PAPERS (International) | Morphology, chemical composition, and biological activities of Aconitum balfourii: a comprehensive review of important Himalayan and highly exploited medicinal plant | vegetos/Springer      | Kumar, Vikrant ; Sharma, Rajni Kant; Singh, Sunil K.; Arora, Kiran; Joshi, Mukesh C.; Rawat, Preeti; Singh, Madhulika (Joint Author)      | <a href="https://doi.org/10.1007/s42535-024-00995-0">https://doi.org/10.1007/s42535-024-00995-0</a>     |
| RESEARCH PAPERS (College)       | valuating the role of biopriming and nanoprimering on the morphometric, biochemical, and yield parameters of Chickpea (Cicer arietinum L.) under drought stress       | PLANT STRESS/Elsevier | Simran Rani and Priyanka Dahiya and Aarzoo Sharma and Yash Vashisth and Kiran Arora and Amita Suneja Dang and Pooja Suneja (Joint Author) | <a href="https://doi.org/10.1016/j.stress.2024.100675">https://doi.org/10.1016/j.stress.2024.100675</a> |

## 8. Books

| Category | Book Name | Title | Name of Author | ISSN/ ISBN Number |
|----------|-----------|-------|----------------|-------------------|
|----------|-----------|-------|----------------|-------------------|

## 9. Faculty Achievements

| Year | Category of Achievement                               | Role              | National/ International etc. | Name   | Date From-To              |
|------|---|-------------------|------------------------------|--|---------------------------|
| 2023 | FACULTY DEVELOPMENT PROGRAM ATTENDED                  | MEMBER            | National                     | Environmental sciences and public health.                            | 01.Feb.2022 - 05.Feb.2022 |
| 2022 | ONLINE CERTIFICATE COURSE/ TRAINING PROGRAMS ATTENDED | TEACHER-IN-CHARGE | International                | Certificate course in Forensic Science                               | 30.Sep.2022 - 18.Oct.2022 |
| 2022 | ONLINE CERTIFICATE COURSE/ TRAINING PROGRAMS ATTENDED | MEMBER            | University                   | student development programme on Chemcollective V LABS               | 10.Jan.2022 - 14.Jan.2022 |
| 2023 | ONLINE CERTIFICATE COURSE/ TRAINING PROGRAMS ATTENDED | TEACHER-IN-CHARGE | University                   | Student Development Program(SDP) on "Molecular Modeling with Jmol" i | 31.Mar.2023 - 04.Apr.2023 |

|      |  |             |               |   |                              |
|------|--|-------------|---------------|---|------------------------------|
| 2024 | WORKSHOP/ SEMINAR/<br>CONFERENCE ATTENDED                                | PARTICIPANT | International | International Conference on<br>Chemical and Biological<br>Sciences (ICCBS)  | 27.Jan.2024 -<br>29.Jan.2024 |
| 2024 | WORKSHOP/ SEMINAR/<br>CONFERENCE ATTENDED                                | CHAIRPERSON | National      | emerging trends and future<br>challenges in chemical sciences   | 12.Feb.2024 -<br>13.Feb.2024 |
| 2024 | INVITED LECTURES/<br>RESOURCE PERSON/<br>PAPER PRESENTATIONS<br>ATTENDED | SPEAKER     | International | International conference on<br>basic analytical and allied<br>science at the interface of<br>carbohydrate and biomass<br>valorisation | 30.Nov.2023 -<br>02.Dec.2023 |

**Dr. KIRAN ARORA**