



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: **SHALINI** Last Name: **NIGAM**

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

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

Email: **shalining18@kmc.du.ac.in** Webpage: -----



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

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

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

Google Scholar Link: -----

Address: -----

2. Educational Qualifications

| Degree/ Certification | Institution | Year |
|-----------------------|------------------------------------|------|
| Degree | University of Delhi | 1995 |
| M.Sc Chemistry | Hindu College, University of Delhi | 1991 |
| BSc | Hindu College, University of Delhi | 1989 |

3. Career Profile & Administrative Assignments

| Category | Role/ Designation | Department/ Committee | Date From - To | Remarks |
|----------------------------|-------------------|---|---------------------------|--|
| ADMINISTRATIVE ASSIGNMENTS | IN-CHARGE | NCC Kirori Mal college | 01.Jan.2005 - 31.Dec.2007 | INITIATED AND ACTED AS IN-CHARGE GIRLS NCC WING AT KMC |
| ADMINISTRATIVE ASSIGNMENTS | TEACHER-IN-CHARGE | CHEMISTRY KIRORI MAL COLLEGE, UNIVERSITY OF DELHI | 01.May.2014 - 15.Apr.2030 | |

4. Other Profiles

Other Profile Name/ Description**AREAS OF INTEREST/ SPECIALIZATION**

Polymer Chemistry (Physical Chemistry)

SUBJECTS TAUGHT

1. Quantum Chemistry and Spectroscopy (B.Sc. (H) CHEM, 3rd Year) Theory and practical.
2. Computers and Applications in Chemistry (B.Sc. (H) CHEM, 3rd Year) Theory and practical
3. States Of Matter and Ionic Equilibrium (B.Sc. (H) CHEM, 1st Year)
4. B.Sc. (H) SEMESTER 1 AND SEMESTER2 Practical.
5. B.Sc. (P) Chemistry Classes for 2nd and 3rd Years and Practical.
6. B.Sc. (H) Botany and Zoology subsidiary Chemistry Classes and practical.

AWARDS AND DISTINCTIONS

1. "Shailaja Sehgal Memorial Scholarship "for Obtaining Highest Marks in M.Sc. (P) Chemistry (Physical Specialization) in 1990, Delhi University.
2. Obtaining Highest Marks in M.Sc. (F) Chemistry (Physical Specialization) in 1991, Delhi University.
3. Obtaining Highest Marks in M.Sc. (F) Chemistry in 1991, Hindu College, Delhi University
4. Best paper in refresher course in chemistry, held at CPDHE, University of Delhi (from 3rd to 25th April ,2001), entitled
"Eco friendly Industrial Applications of Surfactants"

WORKSHOP/ SEMINAR/ CONFERENCE/ WEBINAR ORGANIZED

1. In Organization Committee of, One Day seminar titled "Frontier Technologies In Chemistry, Biological and Horticultural Sciences "(20.12.2012), Organized jointly by ISAS and KMC.
2. In organizing committee of "2nd National conference on EMERGING TRENDS AND FUTURE CHALLENGES IN CHEMICAL SCIENCES(ETFC-2020), January 10 and 11,2020", Department of Chemistry, Kirori Mal College, University of Delhi.
3. In the Organizing Committee of "Environmental Sciences and Public Health", February 1-5, 2022. (Online Program), organized by Kirori Mal College, University Of Delhi, and, Mizoram University.

MEMBERSHIPS IN ACADEMIC/ PROFESSIONAL BODIES

Life Membership of ISAS – THE INDIAN SOCIETY OF ANALYTICAL SCIENTISTS

OTHERS

(A) ACTED AS A MEMBER OF....

1. Admission Committee
2. Women Development Cell
3. Placement Cell
4. Cultural Council (MUSOC & FAPS)
5. Proctorial Committee
6. Development Committee
7. Joint Teacher Student Consultative Committee
8. Chemistry Seminar Committee
9. Garden Committee

(B) INITIATED and acted as in-charge, NCC Girls' Wing in Kirori Mal College.

(C) CONVENER of Canteen Committee

(D) Acted as Convenor and member of Seminar committee admission committee, of Chemistry department

SUBJECTS TAUGHT

1. B.SC CHEMISTRY H, SEMESTER 1.6
2. B.SC PROG PHYSICAL SCIENCE, SEMESER4, 6

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 | Publication (Month-Year) |
|----------|------------------|-------|----------------|--------------------------|--------------------------|
|----------|------------------|-------|----------------|--------------------------|--------------------------|

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|-------------------------------|--|--|---|--|---------------|
| JOURNAL PAPER (International) | Thermodynamic parameters of some multicomponent intermacromolecular complexes in relation to their structure and composition | Polymer Bulletin | SK Chatterjee , Shalini Johri (Nigam) and Mamta Chhabra (Joint Author) | | December 1993 |
| JOURNAL PAPER (International) | Thermodynamic studies of some complexation systems involving Methacrylic Acid-Acrylamide Copolymer, Poly (vinyl Pyrrolidone) and Poly (Ethylene oxide) | Journal of Polymer Science | SK CHATTERJEE , MAMTA CHHABRA , SHALINI JOHRI (NIGAM) (Joint Author) | | December 1994 |
| JOURNAL PAPER (International) | Thermodynamic studies on some interpolymer interactions and stability of polycomplexes | Die Angewandte Makromolekulare Chemie | S. K. Chatterjee, Shalini Nigam, Mamta Chhabra (Joint Author) | | December 1995 |
| JOURNAL PAPER (International) | Stability constants and related thermodynamic parameters of some quaternary intermacromolecular complexes involving polyelectrolytes and nonionic homopolymers | Journal of Macromolecular Science - Pure and Applied Chemistry | SK CHATTERJEE , MAMTA CHHABRA , SHALINI NIGAM (Joint Author) | | December 1995 |
| JOURNAL PAPER (International) | A comparative study of thermodynamic parameters of interpolymer complexes of an acrylic copolymer and a polymer blend with a polyelectrolyte | Polymer Bulletin | S. K. Chatterjee, Shalini Nigam, Vandana Kapoor (Joint Author) | | April 1995 |
| JOURNAL PAPER (International) | Phenolic copolymer/polyelectrolyte/non-ionic homopolymer interactions: thermodynamic and electrochemical studies in dimethylformamide/water mixtures | Macromolecular Chemistry and Physics | Saroj K. Chatterjee, Shalini Nigam, Mamta Chhabra, Vandana Kapoor (Joint Author) | | December 1996 |
| JOURNAL PAPER (International) | Interpolymer association between phenolic copolymers and polyelectrolytes: effects of copolymer structure and hydrophobic interactions on the stability of polycomplexes | Polymer Bulletin | S. K. Chatterjee, Vandana Dureja, Shalini Nigam (Joint Author) | | April 1996 |

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 |
|------|-------------------------|-----------|------------------------------|--|---------------------------|
| 2022 | WEBINAR ATTENDED | ORGANIZER | National | Environmental Sciences and Public Health | 01.Feb.2022 - 05.Feb.2022 |

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|------|------------------|-------------|---------------|---------------------------------|---------------------------|
| 2022 | WEBINAR ATTENDED | PARTICIPANT | International | New trends in Chemical Reserach | 29.Apr.2022 - 30.Apr.2022 |
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Dr. SHALINI NIGAM