



# 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: **KALPANA** Last Name: **BHRARA**

Designation: **PROFESSOR** Mobile No. **9873582826**

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

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

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

LinkedIn: <https://www.linkedin.com/in/kalpana-bhrara-32038113> Instagram: -----

Youtube: ----- Research Gate Link: <https://www.researchgate.net/profile/Kalpana-BhraraNA>

Google Scholar Link: <https://myaccount.google.com/?hl=en&pli=1>

Address: **A-2/246, UPPER GROUND FLOOR, JANAKPURI, NEW DELHI-110058**



## 2. Educational Qualifications

Degree/ Certification	Institution	Year
B. Sc. (H) Chemistry	Miranda House, University of Delhi	1981
M. Sc. Chemistry	Miranda House, University of Delhi	1983
M. Phil (Physical Chemistry)	Department of Chemistry, University of Delhi	1985
Ph. D.	Department of Chemistry, University of Delhi	2003

## 3. Career Profile & Administrative Assignments

Category	Role/ Designation	Department/ Committee	Date From - To	Remarks
ADMINISTRATIVE ASSIGNMENTS	MEMBER	FEE CONCESSION COMMITTEE KIRORI MAL COLLEGE, DELHI	01.Jul.2022 - 30.Jun.2023	
ADMINISTRATIVE ASSIGNMENTS	MEMBER	PROCTOR & DISCIPLINE COMMITTEE KIRORI MAL COLLEGE, DELHI	01.Jul.2022 - 30.Jun.2023	
ADMINISTRATIVE ASSIGNMENTS	MEMBER	PROVIDENT FUND COMMITTEE KIRORI MAL COLLEGE, DELHI	01.Jul.2022 - 30.Jun.2023	

ADMINISTRATIVE ASSIGNMENTS	MEMBER	SPACE INFRASTRUCTURE COMMITTEE KIRORI MAL COLLEGE, DELHI	01.Jul.2022 - 30.Jun.2023	
ADMINISTRATIVE ASSIGNMENTS	MEMBER	IQAC KIRORI MAL COLLEGE, DELHI	01.Jul.2022 - 30.Jun.2023	
ADMINISTRATIVE ASSIGNMENTS	MEMBER	OTHERS UNIVERSITY OF DELHI, DELHI	01.Jul.2022 - 30.Jun.2023	Committee of Courses, Department of Chemistry
ADMINISTRATIVE ASSIGNMENTS	CONVENER	LIBRARY COMMITTEE KIRORI MAL COLLEGE, DELHI	01.Jul.2022 - 30.Jun.2023	Department of Chemistry, Library Committee
ADMINISTRATIVE ASSIGNMENTS	CONVENER	OTHERS KIRORI MAL COLLEGE, DELHI	01.Jul.2022 - 30.Jun.2023	Department of Chemistry, Purchase Committee
ADMINISTRATIVE ASSIGNMENTS	MEMBER	TIME TABLE COMMITTEE KIRORI MAL COLLEGE, DELHI	01.Jul.2022 - 30.Jun.2023	Department of Chemistry, Time Table Committee
ADMINISTRATIVE ASSIGNMENTS	MEMBER	OTHERS KIRORI MAL COLLEGE, DELHI	01.Jul.2022 - 30.Jun.2023	Department of Chemistry, Lab Management Committee
ADMINISTRATIVE ASSIGNMENTS	MEMBER	CDRT - CENTRE FOR DISABILITY RESEARCH AND TRAINING KIRORI MAL COLLEGE, DELHI	01.Jul.2022 - 30.Jun.2023	
ADMINISTRATIVE ASSIGNMENTS	OTHERS	OTHERS KIRORI MAL COLLEGE, DELHI	01.Jul.2022 - Till date	Bursar
ADMINISTRATIVE ASSIGNMENTS	BURSAR	ALL DEPARTMENT Kirori Mal College	20.Dec.2024 - 20.Dec.2024	

#### 4. Other Profiles

##### Other Profile Name/ Description

## SUBJECTS TAUGHT

2022-2023

S. No.	Year/Semester	Course/ Paper	Level (PG/ UG)	Teaching Mode	Lectures/Tutorials/Practical/Other related activities	
					Classes Assigned	Classes Taught
1.	I <sub>H</sub> /Sem I	B. Sc (H) Chemistry	UG	Practical	4	As assigned
2.	II <sub>H</sub> /Sem III	B. Sc (H) Chemistry	UG	Lecture/ Practical	2/ 4	As assigned
3.	III <sub>ps</sub> / Sem V	B.Sc (Prog.)	UG	Practical	4	As assigned
4.	I <sub>H</sub> / Sem I	B. Sc (H) GE (SOM)	UG	Lecture	2	As assigned
5.	I <sub>H</sub> /Sem II	B.Sc (H) Chemistry	UG	Practical	4	As assigned
6.	II <sub>H</sub> /Sem IV	B.Sc (H) Chemistry	UG	Lecture/ Practical	2/ 4	As assigned
7.	III <sub>H</sub> / Sem VI	B.Sc (H) Chemistry	UG	Practical	4	As assigned
8.	I <sub>H</sub> / Sem I	B. Sc (H) GE (Kinetics)	UG	Lecture	2	As assigned

## SYLLABUS FORMATION

Convenor of Framing Syllabus of B.Sc. (Applied Science) Analytical Chemistry (NEP).

## MEMBERSHIPS IN ACADEMIC/ PROFESSIONAL BODIES

Life Membership:

1. Indian Society of Analytical Scientists (ISAS) LM1343.
2. Society for Advancement of Electrochemical Science and Technology (SAEST) LF666.
3. Association of Chemistry Teachers (ACT) LM No. 1347.
4. Indian Science Congress Association (ISCA) L23576

## 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
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## 7. Publications

Category	Publication Name	Title	Name of Author	Reference Link/ DOI Link	Publication (Month-Year)
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JOURNAL PAPER (International)	Adsorption Kinetics of Benzyl Triphenyl Phosphonium Chloride on Mild Steel in 1N Sulfuric Acid	Surface Engineering	Kalpana Bhrara; Gurmeet Singh (First Author)	<a href="https://doi.org/10.1179/174329405X49958">https://doi.org/10.1179/174329405X49958</a>	July 2005
JOURNAL PAPER (International)	The Inhibition of Corrosion of Mild Steel in 0.5M Sulfuric Acid Solution in the presence of Benzyl Triphenyl Phosphonium Bromide	Applied Surface Science	Kalpana Bhrara; Gurmeet Singh (First Author)	<a href="https://doi.org/10.1016/j.apsusc.2006.01.021">https://doi.org/10.1016/j.apsusc.2006.01.021</a>	November 2006
JOURNAL PAPER (International)	Effect of Ally Triphenyl Phosphonium Bromide on the electrochemical and corrosion behavior of Mild Steel in 1N Sulfuric Acid	Corrosion Engineering, Science and Technology	Kalpana Bhrara; Gurmeet Singh (First Author)	<a href="https://doi.org/10.1179/174327807X196861">https://doi.org/10.1179/174327807X196861</a>	September 2007
JOURNAL PAPER (International)	Inhibiting effects of butyl triphenyl phosphonium bromide on corrosion of mild steel in 0.5 M sulphuric acid solution and its adsorption characteristics	Corrosion Science	Kalpana Bhrara; Hansung Kim; Gurmeet Singh (First Author)	<a href="https://doi.org/10.1016/j.corsci.2008.06.054">https://doi.org/10.1016/j.corsci.2008.06.054</a>	September 2008
JOURNAL PAPER (International)	Adsorption and kinetic studies of L-leucine as an inhibitor on mild steel in acidic media	Applied Surface Science	Puja Singh; Kalpana Bhrara; Gurmeet Singh (Joint Author)	<a href="https://doi.org/10.1016/j.apsusc.2008.03.154">https://doi.org/10.1016/j.apsusc.2008.03.154</a>	July 2008

JOURNAL PAPER (International)	The Inhibitory Effect of Diethanolamine on Corrosion of Mild Steel in 0.5 M Sulphuric Acidic Medium	PORTUGALIAE ELECTROCHIMICA ACTA	M. Ramananda Singh; Kalpana Bhrara; Gurmeet Singh (Joint Author)	<a href="https://www.peacta.org/articles_upload/pea266479.pdf">https://www.peacta.org/articles_upload/pea266479.pdf</a>	October 2008
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## 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	WEBINAR ATTENDED	PARTICIPANT	University	Introduction to Python Programming	01.Jul.2022 - 02.Jul.2022
2022	FACULTY DEVELOPMENT PROGRAM ATTENDED	PARTICIPANT	National	Safer and Greener Chemistry Labs	19.Jul.2022 - 25.Jul.2022
2023	ONLINE CERTIFICATE COURSE/ TRAINING PROGRAMS ATTENDED	PARTICIPANT	National	Integrated Solid Waste Management to Strengthen Implementation of SBM 2.0	09.Jan.2023 - 13.Jan.2023
2023	SEMINAR ATTENDED	PARTICIPANT	International	roving Accessibility to Cultural Heritage for the persons with Print Disabilities	18.Mar.2023 - 18.Mar.2023
2022	ONLINE CERTIFICATE COURSE/ TRAINING PROGRAMS ATTENDED	ORGANIZER	College	Forensic Science	30.Sep.2022 - 18.Oct.2022
2022	ONLINE CERTIFICATE COURSE/ TRAINING PROGRAMS ATTENDED	ORGANIZER	College	Metagenomics & Bioinformatics	01.Jul.2022 - 19.Jul.2022
2024	WORKSHOP/ SEMINAR/ CONFERENCE ATTENDED	OTHERS	National	Emerging Trends and Future Challenges in Chemical Sciences s	12.Feb.2024 - 13.Feb.2024
2024	WORKSHOP/ SEMINAR/ CONFERENCE ATTENDED	ORGANIZER	National	NEP2020: Model Curriculum and Content in Chemistry	14.Mar.2024 - 15.Mar.2024

Prof. KALPANA BHRARA