


## FACULTY PROFILE PROFORMA

Title (Ms/Mr/Dr/Prof)	Dr.	First Name	Renu	Last Name	Bala	Photograph
Designation	Associate Professor					
Department	Chemistry					
Address (Official)	Department of Chemistry Kalindi College (University of Delhi) East Patel Nagar New Delhi-110 008					
Phone No.	-					
Email	<a href="mailto:rbchem.kc@gmail.com">rbchem.kc@gmail.com</a> , <a href="mailto:renubala@kalindi.du.ac.in">renubala@kalindi.du.ac.in</a>					

### Education

Subject	Institution	Year	Details
Chemistry	University of Delhi	1994	Ph.D.
Chemistry	University of Delhi	1990	M.Phil.
Chemistry	Meerut University	1987	M.Sc.
Chemistry	Meerut University	1984	B.Sc.

### Career Profile

- Working as a Associate Professor in Kalindi College from 1993 to Present.
- Worked as a Guest Lecturer in Deshbandhu College in 1994.

### Research Interests / Specialization

### Organic Chemistry

#### Administrative Assignments / Contribution to corporate life

- Teacher-in-charge, department of physical education, Kalindi College, 2021
- Coordinator, Waste Management, e-waste and Write-off committee, Kalindi College, 2021 onwards
- Convenor, Sports Committee, Kalindi College, 2021 onwards
- Convenor, Sports Committee- Building Committee, Kalindi College, 2021 onwards
- Member, Committee for Medical Facilities, Health Care and Fitness including medical bills, Kalindi College, 2021 onwards
- Member- Science, Work-Load Committee, Kalindi College, 2021 onwards
- Documents Verification and Processing, Sciences, Verification Committee, Kalindi College, 2021 onwards
- Member, Student Grievances Redressal Cell, Kalindi College, 2021 onwards
- Member, Screening Committee for Chemistry, Kalindi College in July 2020
- Science representative, Prospectus Committee, Kalindi College from July 2020 to June 2021

- **Internal Assessment Departmental Verification committee, Senior faculty, Kalindi College, Since IA introduced**
- **Convenor, Fee revision committee, Kalindi College from 2016- Till date**
- **Teachers-In-Charge of the Department of Chemistry, Kalindi College, April 1999-2001, 2007-09, 2011-13, 2017-19.**
- **Deputy Coordinator of Evaluation Centre, Kalindi College, DU**
- **Assistant Coordinator of I.G.N.O.U (Kalindi College Study Centre)**
- **Science coordinator and counsellor of I.G.N.O.U (Kalindi College Study Centre)**
- **Convenor Disposal Committee 2015-17.**
- **Convenor Weed out committee 2015-16.**
- **Convenor Registration committee in Lehren 2015-16, 2016-17.**
- **Convenor Discipline committee orientation prog 2016-17, 2017-18.**
- **Science convenor for Time-Table.**
- **Convenor Fee Review committee 2017-18.**
- **Convenor Admission committee 2018-19.**
- **Co-convenor Admission committee.**
- **Science convenor Admission committee.**

#### **Publication (Peer Reviewed/Indexing Journals)**

- **J. Indian Chem. Soc. 1993, 70, 773-778.**
- **Indian J. Pharm. Sci. 1993, 55(5), 172-179.**
- **Indian J. Chem. 1994, 33, 193-195.**
- **Indian J. Pharm. Sci. 1995, 57(6), 252-259.**
- **Indian Council of Chemists, 9<sup>th</sup> Annual Conference.**

#### **Teaching Experiences (Subject/Courses taught)**

- **B.Sc. (Hons.) Chemistry, CBCS system**
- **B.Sc. (Prog.) Life Science, CBCS system**
- **B.Sc. (Prog.) FYUP**
- **B.Sc. (Prog.) Life Science, Semester system**
- **B.Sc. (Prog.) Physical Science, Semester system**
- **B.Sc. (Gen.) Group B: Paper II, V, VIII**
- **Environmental Science: Paper I, III, V**
- **B.Sc. (Hons.) Maths (Subs.): Paper II, IV**
- **B.Sc. (Hons.) Physics: Paper V, VIII**

#### **Participation/organizer/convenor in Conferences, Seminars, Workshops and Refresher course**

- **Convenor in the National webinar on “Rashtriya Nirman mein Khelon ki Bhumika” on the occasion of National Sports Day on 29/08/2021 organized by department of physical education Kalindi College.**
- **Successfully completed Two Week (Online) Interdisciplinary Faculty Development Programme on ‘MOOC’s, E Content Development, Research Methodology and Statistical Tools in Open Education World from 3rd August to 17th August 2021 organised by Kalindi College, University of Delhi in collaboration with Mahatma Hansraj Faculty Development Centre Hansraj College, University of Delhi**
- **Successfully completed online TWO - WEEK FACULTY DEVELOPMENT PROGRAMME (equivalent to Refresher Course) on “Chemistry - The Catalyst for Change” from 14 – 28 July, 2021 and obtained Grade A+ organized by Teaching Learning Centre, Ramanujan College University of Delhi In collaboration with Department of Chemistry, Miranda House University of Delhi under the aegis of MINISTRY OF EDUCATION, PANDIT MADAN MOHAN MALAVIYA NATIONAL MISSION ON TEACHERS AND TEACHING**

- Participated in National Webinar on “Geopolitics of Vaccine: Access, R &D and Manufacturing” held Online on 22/06/2021 organized by Kalindi College, University of Delhi, in collaboration with Universal Access for vaccine and Medicine & Swadeshi Shodh Sansthan
- Participated in 7-Day Live Yoga Workshop on “स्वास्थ्य ही संपदा ” - HEALTH IS WEALTH held Online from 25/05/2021 to 31/05/221 by Dr. Sunita Sharma, Director of Physical Education, Kalindi College.
- Participated in the NeW IPR 2021 e-workshop held Online from 14/06/2021 to 19/06/2021 organized by Innovative Technology Enabling Centre (In TEC), CSIR-IMMT, Bhubhneswar
- Participated in One week Faculty Development Programme on “Basics of Research” held Online from 18/06/2021 to 24/06/2021 organized by Mahatma Hansraj Faculty Development Centre, Hansraj College under PARAMARSH Scheme, UGC
- Participated in the 4 days International Conference on “Examination-IDEA 2021, International Debate on Examination and Assessment-2021” held Online from 08/06/2021 to 11/06/2021 organized by Council of Examiners- India and SkillSlate Foundation, Pune powered by Zovy Studios, Pune in association with IonIdea and Gniot Institute of Management, UP.
- Successfully participated in "Capacity Building Programme for Future Physicists” from 03/06/2021 to 05/06/2021 organized by PG & Research Department of Physics, Sakthi College of Arts and Science for Women, Oddanchatram
- Participated in International webinar on “Let’s win over COVID pandemic with collaborative approach” held Online on 02/06/2021 organized by Faculty of Physiotherapy and IQAC, Baba Mastnath University, Rohtak, NCR, Haryana, 124021, India
- Successfully completed the five-day National e-conference on “Examination Transformation (NEXT-2020)” held Online from 10/08/2020 to 14/08/2020 organized by Council of Examiners, India and SkillSlate, Pune in association with MIT World Peace University, Pune, RR Institute of Advanced Studies Bengaluru and Zovy Studios, Pune
- Participated in National One Week Online Faculty Training Program on “Pedagogical Training for Effective Online Teaching and Learning” held Online from 03/08/2020 to 10/08/2020 organized by Deen Dayal Upadhyaya College, University of Delhi and KTHM College, Nashik under IQAC & DBT Star College Program
- Participated in Two Days Online National Workshop on ‘Online Teaching-Leaning, Using LMS-MOODLE’ held Online from 24/07/2020 to 25/07/2020 organized by Guru Angad Dev Teaching Learning Centre, SGTB Khalsa College, University of Delhi under PMMMMNTT of MHRD
- Participated in Awareness Program on ‘National Digital Library of India’, held Online on 04/08/2020 organized by Library, Kalindi College, University of Delhi in association with National Digital Library of India, under MHRD, Govt. of India & IIT, Kharagpur
- Participated in the National Awareness Program on “Patience- A Key to Success” held Online on 23/07/2020 organized by Skillslate
- Participated in one-day workshop on “SMOC Analysis on Effective Tool for Development” held Online on 21/07/2020 organized by Skill Faculty of Applied Sciences and Humanities, Shri Vishwakarma Skill University
- Successfully completed the online National level awareness program on “Cybersecurity and Data Sovereignty” on 11/07/2020 organized by SkillSlate and powered by Zovy Studios, Pune
- Participated in online seminar on “Post-Covid e-commerce Boom- Build, Launch and Grow a Profitable Online Store” held Online on 03/07/2020 organized by IQAC and department of information technology at Jagannath International Management School (JIMS), Vasant Kunj, New Delhi.
- Participated in the National Webinar on “Lockdown, Children and the role of Media” held Online on organized by Department of Journalism & IQAC Kalindi College in collaboration with Kailash Satyarthi Children’s Foundation
- Participated in Two Days Faculty Development Program on “Exploring New Frontiers of Learning” conducted under lecture series on MOOCS held Online from 01/07/2020 to 02/07/2020 organized by Shri Vishwakarma Skill University

- Participated in National Conference on “Nano-polysaccharides for Environmental Sustainability”, held on 25 Sept 2019 at Department of Chemistry, Jamia Millia Islamia (Central University).
- National Seminar on A Paradigm Shift towards Empowerment of Women organized by Science Departments, Kalindi College, Delhi University (3-4 Feb 2017).
- National Conference on Environmental Sustainability in Wastewater Remediation: Current status and future aspects, Sri Venkateswara College, Delhi University (19-20 Jan 2017).
- Foundation course Workshop on Methodology of teaching Science and Mathematics to students with vision impairment organized by centre for Professional Development in Higher Education, University of Delhi (18-19 July 2013).
- National Symposium on Challenging Areas in forensic science held at Delhi (5 Feb 2010).
- 3<sup>rd</sup> Indo-Italian Seminar on Green Chemistry, Department of Chemistry, Delhi University (9 Dec 2009).
- National Conference on Chemistry structure, reaction dynamics and spectroscopy, Department of Chemistry, St. Stephens College, Delhi University (21-23 2008).
- National Symposium on Science of Life: The New Horizon, Miranda House, Delhi University (21-23 Nov 2007).
- One Day Seminar on Third Year Chemistry Course of the Reconstructed B.Sc. Prog., Department of Chemistry, Delhi University (27 Oct 2007).
- Workshop on Green Chemistry Education for a Sustainable Future, Department of Chemistry, Delhi University (10 March 2007).
- National Symposium on Chemistry in Sustainable Development, Department of Chemistry, Hansraj College, Delhi University (18-19 Dec 2006).
- One Day Seminar on Second Year Chemistry of the Restructured B.Sc. Prog., Department of Chemistry, Delhi University (11 Nov 2006).
- Second International Symposium on Green/Sustainable Chemistry, Department of Chemistry, Delhi University (10-13 Jan 2006).
- Indian Society of Analytical Scientists (ISA’s) Department of Chemistry, KM College, Delhi University.
- Seminar on Frontier Technologies in Central, Biological and Horticultural Sciences, Department of Chemistry, KM College, Delhi University (20 Dec 2005).
- National Symposium on Emerging Areas of Forensic Science organized by Khalsa College, University of Delhi (4-6 Dec 2004).
- IUPAC International Symposium on Green Chemistry, Department of Chemistry, University of Delhi (10<sup>th</sup>-13<sup>th</sup> Jan 2001).
- Attended Orientation and Refresher Courses.

#### **Awards & Achievements**

**Received Best Teacher Award by Govt. N.C.T. Delhi.**

#### **Cultural and Extra Curricular Activities**

- Convener- Momentos Lehren 2019-2020.
- Convener Inter college Festival, Collage Making, Poster Making, Mehendi, Quiz, Ad-Mag Show competitions.
- Convener Biochemical Society
- Convener Chemical Society.

#### **Academic Activities**

- **Member- Faculty of Science.**
- **Academic activity convener of Chemistry Department-Arranged invited lectures, seminars, paper presentations, paper reading, competition, demonstration, industrial trip, science quiz for students.**
- **Member of Syllabus revision committee for the session 2013-14, DU.**
- **Member of Syllabus revision committee for the session 2019-20 (University of Delhi).**

#### **B.Sc. Applied Life Science**

- Soils & Fertilizers (Theory+Practical) (Chemistry DSE 1-2(i))
- Herbicides (Theory+Practical) (Chemistry DSE 1-2(ii))
- Fungicides (Theory+Practical) (Chemistry DSE 1-2(iii))
- Conventional Insecticides (Chemistry SEC (i))
- Biological Insecticides (Chemistry SEC (ii))
- Pesticide Formulations (Chemistry SEC(iii))
- Analytical Techniques Involved in Pesticide Analysis(Chemistry SEC(iv))

#### **B.Sc.(H) Chemistry, B.Sc. Life Science, B.Sc. Physical Science**

- Chemistry of Cosmetics and Perfumes (Chemistry SEC 1-4(x))
- Pesticide Chemistry (Chemistry SEC 1-4(xi))
- **External examiner for Practical Examination: NREC college, Khurja (Bulandshahr), 2016.**
- **Invited Expert: CCS University Meerut.**
- **Paper setting:**
  - B.Sc. (Gen) Group B- Environmental Chemistry Paper I, III, V
  - B.Sc. Physics (H) Ist yr Paper V
  - B.Sc. I, II, III yr- Organic Chemistry
  - B.Sc. Physical Science III yr- CHPT-601
  - B.Sc. Hons. and Prog.- Pesticide Chemistry
  - B.Sc. Hons. and Prog.- Chemistry of Cosmetics & Perfumes.

#### **Responsibility handled**

- **Monitoring attendance**
- **Preparation of question papers for mid-term and final examination**
- **Preparation of lesson plan and methods of assessment**
- **Making of progress report**
- **Meeting with students and helping them solving their problems**
- **Extra classes during college hours for the students willing to learn**
- **Taking practical classes for the better understanding of students**
- **Extended classes for students to give extra knowledge**
- **Motivating students by interacting socially with them**

#### **Interests**

- **Interaction with students**
- **Teaching**
- **Reading books**
- **Learning new things**

#### **Strengths**

- **Excellent Verbal and Communication skills**
- **Honest**
- **Humble**
- **Approachable for students**
- **Strict when required**
- **Management skills**
- **Commitment towards work**

#### **Public Service/ University Service/ Consulting Activity**

- **Co-convener (Science Block) of the Kalindi College to participate in the “Swachh Bharat Abhiyan”**