


## FACULTY PROFILE- Dr Anjali Sehrawat

<b>Title (Ms/Mr/Dr/Prof)</b>	<b>Dr</b>	<b>First Name</b>	<b>ANJALI</b>	<b>Last Name</b>	<b>SEHRAWAT</b>	<b>Photograph</b>
<b>Designation</b>	<b>Assistant Professor</b>					
<b>Department</b>	<b>Chemistry</b>					
<b>Address (Official)</b>	<b>Department of Chemistry, Kalindi College, University of Delhi, East Patel Nagar - 110007</b>					
<b>Phone No.</b>	<b>91-9999918228</b>					
<b>Email</b>	<a href="mailto:anjalisehrawat@kalindi.du.ac.in">anjalisehrawat@kalindi.du.ac.in</a>					
<b>Education</b>						
<b>Subject</b>	<b>Institution</b>		<b>Year</b>	<b>Details</b>		
<b>Ph.D. in Polymer Chemistry</b>	<b>IIT DELHI</b>		<b>2002</b>	<b>Ph.D. guides - Prof I K Varma and Prof Veena Choudhary</b>  <b>Topic - Effect of structure on properties of itaconimide resins, their blends and composites</b>		
<b>M.Sc. in Chemistry</b>	<b>IIT DELHI</b>		<b>1998</b>	<b>CGPA - 9.2</b>		
<b>B.Sc. (H) Chemistry</b>	<b>HINDU COLLEGE, UNIVERSITY OF DELHI</b>		<b>1996</b>	<b>72%</b>		
<b>Career Profile</b>						
<b>Organisation/Institution</b>	<b>Designation</b>		<b>Duration</b>	<b>Role</b>		
Kalindi College, University of Delhi	Assistant Professor (permanent)		8th Jan 2024 onwards	Teaching B. Sc. Chemistry (H) and B. Sc. Life Science students		

Lady Irwin College, University of Delhi	Assistant Professor (ad hoc)	Feb 2013 to 7th Jan 2024	Teaching B. Sc. (Home Science) and B. Sc. (Food Technology) students
Indraprastha College for Women, University of Delhi	Assistant Professor (ad hoc)	July 2012 to Dec 2012	Teaching Science and Life to all streams under FYUP
Lady Irwin College, University of Delhi	Assistant Professor (ad hoc)	Aug 2009 to Dec 2012	Teaching B. Sc. (Home Science) and B. Sc. (Food Technology) students
Lady Irwin College, University of Delhi	Assistant Professor (guest)	July 2006 to July 2009	Teaching B. Sc. (Home Science) students
Lady Irwin College, University of Delhi	Assistant Professor (ad hoc)	Sept 2002 to July 2006	Teaching B. Sc. (Home Science) and M.Sc. (Textile and clothing) students

#### **Research Interests/Specialization**

Organic Chemistry  
Polymer Chemistry  
Green Chemistry

#### **Administrative Assignments / Contribution to corporate life**

##### **Kalindi College, University of Delhi**

1. Co-convenor – Consultancy and Internship Committee, 2024-25.
2. Member – Parent-Teacher-Student Interaction (PTSI) Committee ,2024-25.
3. Member - Prospectus Committee, 2024-25.
4. Member – Admission Committee (Chemistry Department), 2024-25.
5. Staff advisor – “Biocenosis” - The Biochemical Society, 2024-25.
6. Member - NAAC Committee (Criteria 3), 2024.
7. Member - Annual Report Committee, 2023-24.
8. Convenor - PPT Presentation Competition under Viksit Bharat on 12th February 2024.
9. Convenor - Book Release Committee on the college Annual day, 9th April 2024.
10. Member - Selfie corner installation under Viksit Bharat in February 2024.

##### **Lady Irwin College, University of Delhi**

1. Member - NAAC Committee (Criteria 6), Lady Irwin College, 2023.
2. Member - Section Committee, Lady Irwin College, 2023.
3. Member of the organising committee of the Professional Development and Skill Enhancement Program for Non-Teaching Faculty, Lady Irwin College, 14 th -20 th October 2022.

4. Resource person - (Handling of glassware and preparation of solutions), Professional Development and Skill Enhancement Program for Non-Teaching Faculty, Lady Irwin College, 14th -20th October 2022.
5. Organising member - Online Intercollegiate slogan writing and photography competition on the topic "Only one Earth" on World Environment day at Lady Irwin College on 5th June 2022.
6. Organising member - Online Intercollegiate slogan writing and photography competition on the topic "Ecological Revival and Covid -19" on World Environment day at Lady Irwin College on 5<sup>th</sup> June 2021.
7. Coordinator - Annual Essay competition on the topic "Innovations and ecological Sustainability" at Lady Irwin College in September 2020.
8. Invited member - Timetable Committee, Lady Irwin College, 2021, 2022, 2023.
9. Member - Organising committee of the annual Science debate competition under the Kalam Series, Lady Irwin College, 2016, 2017, 2018, 2019, 2023.
10. Member - Orientation Committee, Lady Irwin College, 2015, 2018.
11. Convenor - Orientation Committee, Lady Irwin College, 2016.

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

<u>Courses</u>	<u>Classes</u>
1. Applied Chemistry	B. Sc. H. Sc. (H)
2. Textile Chemistry	B. Sc. H. Sc. (H)
3. Fibre Science	M. Sc.
4. Applied Physical Science	B. Sc. H. Sc. (H)
5. Introductory Physical Science	B. Sc. H. Sc. (P)
6. Physical Science	B. Sc. H. Sc. (H) and (P)
7. Conceptual Organic Chemistry	B. Tech (Food Tech)
8. GE - Atomic Structure, bonding, general Organic Chemistry and Aliphatic hydrocarbons	B. Sc. H. Sc. (H)
9. GE - Molecules of Life	B. Sc. Food Tech. (H)
10. Food Chemistry	B. Sc. (Food Tech)

11. Nutritional Biochemistry	B. Sc. H. Sc. (P)
12. GE - Chemistry of food nutrients	B. Sc. H. Sc. (H)
13. Carbohydrates, lipids and heterocyclic compounds.	B.Sc. Chemistry (Hons)
14. Forensic Chemistry (SEC)	B.Sc. All streams

### Research Guidance

1. Co-supervisor of M. Sc. Thesis of Ms. Pallavi Dheer, Lady Irwin College, 2022 (Title – Study of cleansing agents used at household level based on people’s perspective: Comparison of Eco-friendly Vs Conventional supplies).

### Publication (Peer Reviewed/Indexed Journals)

Year of Publication	Title	Journal (Name of the journal. Vol Issue ISSN)	Co-Author
2023	Different Methods Used For Determination of Vitamin C: A Review	International Journal of Current Microbiology and Applied Sciences, ISSN: 2319-7706, Volume 12, Number 9. <a href="https://doi.org/10.20546/ijcmas.2023.1209.006">https://doi.org/10.20546/ijcmas.2023.1209.006</a>	Swati Raman, Rupa Upadhyay, Swati Singh, Aditi Verma, Aarushi, Shreya Jain, Kanika, Pooja Raizada, Anupa Siddhu and Aparna Aggarwal
2023	Applications Of Green Chemistry Principles In Textile Wet Processing	Journal of Advanced Scientific Research, 14(09), 1-5. <a href="https://doi.org/10.55218/JASR.202314901">https://doi.org/10.55218/JASR.202314901</a>	None
2022	Designed thiazolidines: An arsenal for the inhibition of nsP3 of CHIKV using molecular docking and MD simulations	Journal of Biomolecular Structure and Molecular Dynamics, 40(4):1607-1616. <a href="https://doi.org/10.1080/07391102.2020.1832918">DOI:10.1080/07391102.2020.1832918</a>	Mahendra Kumar Meena , Durgesh Kumar , Abhilash Jayaraj , Ajay Kumar , Kamlesh Kumari , L. M. Katata-Seru , Indra Bahadur , Vinod

			Kumar & Prashant Singh
2017	Scientific perspectives of Indian cultural practices	International Journal of Advanced Education and Research, Vol 2, 174-178.	Vinoy Krishna, Ritu Pandey, Rajneesh Dwivedi, Nancy Raina, Swati Raman, Renuka Gupta and Rupa Upadhyay
2003	Thermal behavior of bisitaconimide and reactive diluents blends	Journal of Thermal Analysis and Calorimetry, 73, 3, 903-911. <a href="https://doi.org/10.1023/A:1025807219789">https://doi.org/10.1023/A:1025807219789</a>	Veena Chaudhary and I. K. Varma
2002	Synthesis and characterization of bisitaconimides	Journal of Applied Polymer Science, 84, 2277-2282 DOI: <a href="https://doi.org/10.1002/app.10508">10.1002/app.10508</a>	Veena Chaudhary and I. K. Varma
2002	Effect of isomerisation on thermal behavior of bisitaconimides	Polymer International, 51, 493-501. DOI: <a href="https://doi.org/10.1002/pi.915">10.1002/pi.915</a>	Veena Chaudhary and I. K. Varma
2001	Effect of structure on thermal behaviour of homopolymers and copolymers of itaconimides	Journal of Macromolecular Science- Polymer reviews, C41 [4], 253-284, 2001 <a href="https://doi.org/10.1081/MC-100107859">https://doi.org/10.1081/MC-100107859</a>	Vishal Anand, Veena Chaudhary and I. K. Varma
2001	Thermal behavior of bisitaconimide and bisnadimide blends	Journal of Thermal Analysis and Calorimetry, 66, 749-758 <a href="https://doi.org/10.1023/A:1013187904548">https://doi.org/10.1023/A:1013187904548</a>	Veena Chaudhary and I.K. Varma
<b>Seminar/Workshop/Conferences Presentation/Organisation</b>			
<b><u>Conferences attended/ presented:</u></b>			

1. Science for Non-Science students: A perspective in learning and Opportunities, Vinoy Krishna, Ritu Pandey, Rajneesh Dwivedi, Nancy Raina, Swati Raman, Anjali Sehrawat, Renuka Gupta and Rupa Upadhyay, Proceedings, Learning Teachers: Diversity, Inclusion and Ethics, ISBN: 978-81-8457-757-0, 90-109, Conference of Learning, April 2016.
2. Epigenesis - Empowerment for Excellence in Home Science, Platinum Jubilee International Conference, Lady Irwin College, University of Delhi, 4th - 6th October 2007.
3. Cyclodehydration of bisitaconamic acids using thermal methods, Anjali Solanki, Veena Chaudhary and IK Varma, Proceedings, 13<sup>th</sup> National Symposium on Thermal Analysis, THERMANS 2002, IIT DELHI, 323-325.
4. Synthesis and characterization of bisitaconamides, Anjali Solanki, Veena Chaudhary and IK Varma, Proceedings, World Polymer Congress, MACRO 2000, Warsaw, Poland, 2000.
5. Thermal behavior of bisitaconamide and bisnadimide blends, Anjali Solanki, Veena Chaudhary and IK Varma, Proceedings, National Symposium on Polymers and Composites, MACRO 2000, Kanpur, 595-598, 2000.
6. Mechanical and thermal properties of composite materials based on glass –fibre reinforced bisitaconamides, Anjali Solanki, Veena Chaudhary and IK Varma, Proceedings, National Seminar on Naval Materials, Bombay, 57-62, 2000.
7. Thermal behavior of itaconimide resins, Anjali Solanki, Veena Chaudhary and IK Varma, Proceedings, International Conference on Thermophysical Properties of materials, Singapore, 217-222, 1999.

**FDP/FTP/FEP attended:**

1. Refresher course (Interdisciplinary Science) on “Skill Development in Forensic Science and Forensic Chemistry” organized by UGC- Malviya Mission Teacher Training Centre, SGTB Khalsa college, University of Delhi in collaboration with University of Delhi (Department of Anthropology and skills Enhancement Committee); Acharya Narendra Dev College (Department of Biomedical Science); Forensic Science Unit, SGTB Khalsa College, University of Delhi from 6th April- 30th April 2024.
2. Faculty Induction/ Orientation Programme on Faculties in Universities/ Colleges/ Institutes of Higher Education, organized by Teaching Learning Centre, Ramanujan college, University of Delhi under the aegis of Ministry of Education, Malaviya Mission Teachers Training programme from 27th March- 23rd April 2024.
3. FDP on CHEMISTRY – THE CATALYST FOR CHANGE, organized by Teaching Learning Centre, Ramanujan College, University of Delhi and Department of Chemistry, Miranda House, University of Delhi, under the aegis of Ministry of Education, PMMMNMTT from 14<sup>th</sup>-28<sup>th</sup> July, 2021.
4. FDP on INNOVATION IN SCIENTIFIC RESEARCH METHODS, under the aegis of DBT star college scheme, Kirori Mal College, University of Delhi from 14<sup>th</sup>-18<sup>th</sup> October 2020.
5. FDP on PEDAGOGICAL TRAINING FOR EFFECTIVE ONLINE TEACHING AND LEARNING, under Internal Quality Assurance Cell and DBT Star College Program, Deen Dayal Upadhyaya College, University of Delhi from 3<sup>rd</sup>-10<sup>th</sup> August, 2020.

6. FDP on ADVANCED CONCEPTS FOR DEVELOPING MOOCS, organized by Teaching Learning Centre, Ramanujan College, University of Delhi from 2<sup>nd</sup>- 17<sup>th</sup> July, 2020.
7. FEP on Research methods and ethics: The interface, organized by Institutional Ethics Committee, Lady Irwin College, University of Delhi on 27th July 2018.
8. FEP on Quality Parameters in Higher Education, organized by Lady Irwin College, University of Delhi from 23<sup>rd</sup>- 24<sup>th</sup> January 2018.
9. FEP on Teaching Learning process: Feedback and Documentation, organized by Lady Irwin College, University of Delhi on 24th February 2016.
10. FEP on Working Towards Excellence in Academics, organized by Lady Irwin College, University of Delhi on 18th March 2011.

**Webinar Organised/ Coordinated:**

1. Organizing member, invited lecture entitled "Conservation challenges of low urban species biodiversity" held on 5th June, 2023 at Lady Irwin College, University of Delhi.
2. Organizing member, webinar on National Science Day, "Application of laser induced breakdown spectroscopy in food" held on 28th February, 2023 at Lady Irwin College, University of Delhi.
3. Coordinator of the invited lecture entitled " योग: मन, शरीर और आत्मा का विज्ञान" held on 8th September, 2022 at Lady Irwin College, University of Delhi.
4. Coordinator of the webinar on National Science Day entitled Advancement and realistic applications in Nanotechnology on 28th February, 2022 at Lady Irwin College, University of Delhi.
5. Organizing member, webinar entitled A travel and travelers perspective on biodiversity and natural landscapes of India on 8th October 2021 at Lady Irwin College, University of Delhi.
6. Coordinator, webinar entitled Spectroscopy and its applications, 14th August 2021 at Lady Irwin College, University of Delhi.
7. Organizing member, webinar "Application of Nanotechnology in sustainable production of Horticultural crops" held on National Science Day, 28th February 2021 at Lady Irwin College, University of Delhi.
8. Organizing member, webinar "So let us reflect on striving for excellence, social equity and environmental security" held on 27th July, 2020 at Lady Irwin College, University of Delhi.
9. Organizing member, webinar "Using Internet for credible health care services held on 21st July, 2020 at lady Irwin College, University of Delhi.
10. Coordinator, webinar "CRO-India stepping towards safe electronics" held on 18th July 2020 at Lady Irwin College, University of Delhi.

**Workshops/ Webinars/ Seminars/ attended:**

1. Course workshop on Science and society, organized by Value Addition Courses Committee (University of Delhi) in collaboration with Mahatma Hansraj Faculty Development Centre, Hansraj college, University of delhi on 20th October 2022
2. Workshop on MOOCs, E-content Development and Open Educational Resources, organized by Centre for Professional Development in Higher Education, University of Delhi from 15<sup>th</sup>-21<sup>st</sup> December 2021.

3. Workshop on MOODLE: Learning management systems, organized by IQAC, Lady Irwin College, University of Delhi from 20<sup>th</sup>-24<sup>th</sup> July 2020.
4. Webinar on “Climate change crisis and voicing solutions through online campaigning” organized by Department of Development Communication and Extension, Lady Irwin College, University of Delhi on 30th May, 2020.
5. Webinar on “How huge is Nano?” organized by Bhaskaracharya College of Applied Sciences (University of Delhi) on 29th May, 2020.
6. Webinar on “Ecological revival during pandemic” organized by Bhaskaracharya College of Applied Sciences (University of Delhi) on 21st May, 2020.
7. Webinar on “Emerging trends in E-learning: Complete classroom and evaluation process using MOODLE- LMS” organized by Swami Shraddhanand College, University of Delhi on 18th May, 2020.

#### **Awards & Distinctions**

1. Cleared CSIR-UGC-NET in 1998.
2. Cleared CSIR- SRF in 2000.
3. Cleared GATE in 1998 with a percentile of 95.

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

#### **Development of Curriculum/Courses for teaching/ learning**

1. BSc. (Prog) Home Science SEM III Introductory Physical Science for Home Science (Core paper) NEP (2020)
2. BSc. (Hons) Home Science SEM IV Physical Science for Home Science (Core paper) NEP (2020).
3. BSc. (Prog) Home Science SEM III Physical Science (Core paper) LOCF (2019)
4. BSc. (Hons) Home Science SEM V Physical Science (Core paper) LOCF (2019)
5. BSc. (Hons) Home Science SEM IV Biophysics (SEC paper) LOCF (2019)
6. BSc. (Prog) Home Science SEM III Physical Science (Core paper) CBCS (2015)
7. BSc. (Hons) Home Science SEM V Physical Science (Core paper) CBCS (2015)
8. BSc. (Hons) Home Science SEM V Physical Science FYUP (2013)

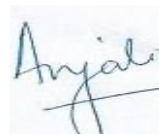
#### **Professional Societies Memberships**

Life member –Asian Polymer Association

#### **Projects (Major Grants / Collaborations)**



1. Project Supervisor under the DBT star college scheme, Lady Irwin College, 2021-2022 (Title - Comparative analysis of vitamin – C concentration in commercial fruit juice and fresh fruits with effect of temperature).
2. Project Supervisor under the DBT star college scheme, Lady Irwin College, 2021-2022 (Title – To study the physico-chemical properties of different brands of honey).
3. Project Investigator in the Innovation Project 2015-16, LI -302 (Project title- Trans fatty acid content in diverse edible oils used for cookery in Indian homes: A research study)

A handwritten signature in blue ink, appearing to read 'Anjali', with a horizontal line underneath.

**Dr. Anjali Sehrawat**

**Department of Chemistry**

**Kalindi College, University of Delhi**