




## Faculty Details Proforma

Title	Dr.	First Name	ARTI	Last Name	JAIN	Photograph
<b>Designation</b>	<b>Assistant Professor</b>					
<b>Address</b>	<b>Daulat Ram College, Patel Marg 4</b>					
<b>Phone No. Office</b>	N/A					
<b>Residence</b>						
<b>Mobile No.</b>						
<b>Email – ID</b>	<b>artijain@dr.du.ac.in</b>					
<b>Web Page</b>						
<b>Educational Qualification</b>						
<b>Degree</b>	<b>Institution</b>				<b>Year</b>	
PhD	<b>University of Delhi</b>				<b>2013</b>	
M.Sc (Chemistry)	<b>University of Delhi</b>				<b>2008</b>	
B.Sc (Chemistry)	<b>University of Delhi</b>				<b>2006</b>	
<b>Career Profile</b>						
<p>A. Teaching in Daulat Ram College since 2015 onwards.</p> <p>B. Taught in Kalindi College and Institute of Home economics on adhoc basis before that.</p> <ol style="list-style-type: none"> <li>1. Delivered lecture in the workshop on plagiarism, referencing and citation style organized by Central institute of Education, University of Delhi on 13<sup>th</sup> August 2013.</li> <li>2. Skill Development Course : Delivered and conducted a module on “Drug Analysis” and “Estimation of Vitamin C in fruits, Vegetables and Beverages” in Daulat Ram College during summer vacations 2015</li> <li>3. Skill Development Course: Delivered and conducted a module on “Green Formulation of Cosmetics And Perfumeries” in Daulat Ram College during winter vacations 2015</li> <li>4. Skill Development Course: Delivered and conducted a module (act as Resource Person) on “Green Genesis And Sustainability of Personal Care Products And Food Stuff” in Daulat Ram College during summer vacations 2016.</li> <li>5. Skill Development Course: Delivered and conducted a module (act as Resource Person) on “Instrumentation and analytical clinical and computational chemistry” in Daulat Ram College during summer vacation 2017.</li> <li>6. Skill Development Course: Delivered and conducted a module (act as Resource Person) on “Chemistry at the helm of essential oils, cosmetics, fragrances and wellness” in Daulat Ram College during summer vacation 2018.</li> <li>7. Skill Development Course: Delivered and conducted a module (act as Resource Person) on “Exploring everyday Chemistry” in Daulat Ram College during winter vacation 2018.</li> <li>8. Inspire Science Camp sponsored by DST from 17<sup>th</sup> -21<sup>st</sup> Dec 2018 at Daulat ram College, University of Delhi</li> <li>9. SDP: Exploring Chemicals in Natural Products from 4-7-2019 to 10-7-2019 in Daulat Ram College, University Of Delhi</li> <li>10. Worked as Co-convenor in the online Summer Internship on Research methodology in Chemistry in May’2020 for 15 days.</li> <li>11. Resource person in SDP organized by Daulat Ram College for first year undergraduate students for 2 days in Nov’2020 on ICT Tools. (17-12-20 to 19-12-20)</li> </ol>						

12. Resource person and Co-ordinator in SDP organized by Daulat Ram College for first year undergraduate students for 2 days in Nov'2022 on ICT Tools.
13. Resource Person in KR Mangalam University for conducting a workshop on “ Translating Green Chemistry Principles Towards environmental sustainability (TGCPTES) on 20<sup>th</sup> Nov.2018
14. Resource Person in SCERT for conducting a workshop for school teachers on 17-19<sup>th</sup> October 2022.
15. Resource person in online certificate course on “Exploring feasible alternative technologies to address environmental issues” to deliver lecture on Green genesis of personal care products : a step towards the protection of environment and human health at local level on 17<sup>th</sup> October 2020 organized by Ram lal anand College.
16. Co-ordinator in SDP organized by Daulat Ram College for first year undergraduate students (chemistry) for 2 days in 23-24<sup>th</sup> Aug '2023 on ICT Tools.
17. Resource person in a seminar on “Genesis of sustainable home products using GREEN techniques” in Institute of Home Economics, University of Delhi on 18<sup>th</sup> Oct'2023.
18. Co-ordinator and Resource person in SDP organized by Daulat Ram College for first year undergraduate students (Life science) for 2 days in 13-14<sup>th</sup> sept '2024 on ICT Tools.
19. Delivered a talk in one-day Training Programme on “Impact of *Climate Change on Public Health*” on 15.10.2024 in the premises of MGICCC, Bakoli, Delhi 110036.

S.No	Type of Event	Name of Event	Venue	Date of Event (Start Date-End Date)	State your role: Convener/Member organizing committee/ Speaker/ Coordinator	Duration of Activity	No of participant in the programme
1	Refresher Course	SKILL DEVELOPMENT IN FORENSIC SCIENCE & FORENSIC CHEMISTRY	Online and Offline (ANDC)	6 <sup>th</sup> April-30 <sup>th</sup> April 2024	Attended and scored A+	2 weeks	
2	Faculty Development Programme	NEP 2020 orientation and sensitization programme	Online	5 <sup>th</sup> Dec - 14 <sup>th</sup> Dec 2023	Attended and completed successfully	1 Week	
3	Faculty Development Programme	Design thinking and Innovation	offline	11 <sup>th</sup> -18 <sup>th</sup> Sept 2023	Attended and completed successfully	1 Week	
4	Chemistry course committee	Syllabus generation for IV,V,VI semester	offline	2023	member		
5	Inaugural ceremony of FIP		offline	1 <sup>st</sup> Dec 2023	participant	1 day	
6	FACULTY INDUCTION PROGRAMME	One-Month Online National Faculty Induction Programme/Orientation Course jointly organized by Daulat Ram College, University of Delhi and Guru Angad Dev Teaching Learning Centre, SGTB Khalsa College, University of Delhi under the Pandit Madan Mohan	online	25-2-23	27-3-23	One month	

		Malaviya National Mission on Teachers and Teaching (PMMMNTT) of Ministry of Education					
7	National seminar cum workshop on e-content, MOOCS, ARPIT	SGTB khalsa		31-8-2019	2019		
8	online course in CHROMATOGRAPHY; Basics of Chromatography	online	07, May 2020	16, May 2020	2020		
9	ARPIT Course for Career Advancement Scheme(CAS) promotion “online refresher course in Chemistry for higher education	Online and exam was offline and scored A grade	Exam was on 16.2.20		<b>2020</b>	<b>SGTB khalsa</b>	
<b>10</b>	National Level Five Day faculty development program on “Scilab” in Association With IIT-Bombay	online	15th June	19th June 2020	<b>2020</b>		
<b>11</b>	<i>Novel Materials for Energy and Biomedical (Covid-19) Healthcare Applications organized Department of Science &amp; Humanities, M.Kumarasamy College of Engineering, Karur (International Faculty Development Program)</i>	online	<i>11 th May 2020</i>	<i>to 16 th May 2020</i>	<b>2020</b>		
<b>12</b>	Advanced topics in chemical sciences organized by post graduate department of chemistry, Nallamuthu gandour Mahalingam college, Pollachi (FDP)	online	15-5	21-5-2020	<b>2020</b>		
<b>13</b>	Evolution from offline to online teaching organized by Department of information technology, Maharastra (Five days online faculty development program)	online	30.5	3-6-2020	<b>2020</b>		
<b>14</b>	National webinar entitled ICTenabled higher education in india “ challenges and opportunities (one day)	online	15-4-20		<b>2020</b>		
<b>15</b>	Empowering Teaching-Learning Process using Google Classroom &	online	21-7	23-7-2020	2020		

	Other ICT Tools: A Comprehensive Practical Approach, organised by Department of Commerce, Daulat Ram College, University of Delhi (three days)						
10	Faculty Enrichment Webinar for Chemistry Teachers in Higher Education; organized by National Resource Centre for Education of this Institute at NIEPA, New Delhi	online	11-2-2021				

### Administrative Assignments

1. Sport board member 2024-25
2. Entrepreneur innovation and startup cell member (EISC) 2023-24, 2024-25
3. Staff advisor chemical society 2024-25
4. Co-convenor Life science association 2024-25
5. Placement cell member 2024-25
6. Social media committee member 2024-25
7. Organizing committee member of International Chemistry Symposium organized by thieme and Department of chemistry university of Delhi.
8. Member of committee of courses for conduction theory exam in colleges (Nov'22-July'23)
9. Moderation committee member for conducting theory exam in colleges (May-June'2024)
10. Member of committee of courses for designing syllabus for sem III,IV,V,VI based on NEP.
11. Co-Ordinator of National Conference on "Innovations in Sciences and Emerging Challenges in Health and Environment" (NSHE-2018) on 20 March 2018 at Daulat Ram College, University of Delhi.
12. Co-Ordinator of International Conference on Green Chemistry and Environmental Sustainability (ICGC-2016) organized by Daulat Ram College, University of Delhi on 17th to 18th November 2016.
13. Staff Advisor of Chemical Society of Daulat Ram College in the Session of 2017-2018
14. Convenor of Poetry Society Daulat Ram College in the Session of 2017-2018.
15. Member of Student Advisory Board of Daulat Ram College 2017-2018.
16. Member of Alumni Committee of Daulat Ram College 2015-16, 2016-17, 2018-19,2019-20, 2020-21, 2021-22, 2022-23.
17. Member of Placement cell of Daulat ram College 2018-2019, 2019-20, 2020-21, 2021-22, 2022-23, 2023-24
18. Member of Student Amenities committee of Daulat ram College, 2018-19
19. Organized one day workshop on the topic "Translating Green Chemistry principles towards environmental sustainability in School of Basic and applied science of K. R. Mangalam University on 20<sup>th</sup> Nov. 2018.
20. Organizing member of Inspire Science Camp sponsored by DST from 17<sup>th</sup> -21<sup>st</sup> Dec 2018 at Daulat ram College, University of Delhi.
21. Organizing member of national Symposium and workshop on Yoga and Meditation for the holistic well being organized by Daulat ram College, University of Delhi in Collaboration with Defence institute of physiology and allied sciences (DIPAS), DRDO, Delhi on 7<sup>th</sup> March 2019.
22. Organizing member of National conference on Recent trends and advancement in chemical sciences held at conference centre, University of delhi on 29<sup>th</sup> -31<sup>st</sup> march 2019.
23. Evaluator of Vidyarthi vigyan manthan state level camp held in Daulat ram college on 8<sup>th</sup> Jan 2023.
24. Member of canteen committee 2022-23
25. Team Manager for various events held by Sports Board Daulat ram College in the Session 2018-2019, 2019-2020
26. Member of hostel admission committee 2017-18
27. Member of Help desk committee in 2016-17, 2017-18, 2018-19, 2019-2020, 2020-21
28. Member of NIRF committee 2017-18, 2018-2019, 2019-2020

29. Member of NAAC committee 2015-16, 2016-2017, 2017-2018  
 30. Member of Annual Magazine work 2019-2020  
 31. Member of Departmental Timetable work 2016-2017, 2017-18, 2018-19, 2019-20, 2020-21, 2022-23

**Areas of Interest / Specialization**

Organic Chemistry, Green Chemistry

**Subjects Taught (in the last three years)**

**Academic Year 2023-24**

S.No	Semester	Course	Theory/Practical
1	V	BSC (H) Chemistry/32177908	T and P
2	V	BSC (H) CHEMISTRY/32171501	P
3	I	LS, UPC: 2172511101	P
4	I	BSC (H) Chemistry	T
5	VI	Bsc(H) Chemistry/32171602	T and P
6	II	Bsc(H) Chemistry GE-4	T and P

**Academic Year 2022-23**

S.No	Semester	Course	Theory/Practical
1	V	BSC (H) Chemistry/32177908	T and P
2	V	BSC (H) CHEMISTRY/32171501	P
3	I	LS, UPC: 2172511101	P
4	I	BSC (H) Chemistry	T
5	VI	Bsc(H) Chemistry/32171602	T and P
6	II	Bsc(H) Chemistry GE-4	T and P
7	IV	Bsc(P) LS-SEC; Chemistry of cosmetics and perfumes; UPC: 32173910	P

**Academic Year 2021-22:**

S.No	Semester	Course	Theory/Practical
1	V	BSC (H) Chemistry/32177908	T and P
2	V	BSC (H) CHEMISTRY/32171501	P
3	I	GE, UPC: 32171901, GE-Atomic structure, Chemical bonding.....	T and P
4	I	EVS, UPC :72182801	T
5	VI	Bsc(H) Chemistry/32171602	T and P
6	IV	Bsc(H) Chemistry/32171402	P
7	II	Bsc(H) Chemistry/32171202	T
8	IV	Bsc(P) LS	P

**Research Guidance**

Guided undergraduate students in various research projects

**Publications Profile (in the last three years)**

S. No	Title of the Paper	Journal Name	Year	Vol. No.	Page No.	ISSN No.				
1	Nanocatalyst driven synthesis of $\beta$ -enaminones: A novel step towards the development of pharmaceutical precursors Sushma Yadav, Arti jain, Priti Malhotra	<a href="#">Journal of the Indian Chemical Society</a> December 2023	101(2):	101119	3.2	yes	yes	2667-2847		
2	A process for selective C-3 thiazoloylation of indoles (Indian Patent) Lata Vodwal, Arti Jain, Chandra Mohan, Application No: 202311003523,	27-2-24		Patent No: 516103	<b>Patent</b>					
3	Sushma Yadav, Arti Jain, Priti Malhotra. Bioinspired synthesis and green ecological applications of reduced graphene oxide based ternary nanocomposites, e00315, ISSN 2214-9937, <b><u>UGC Listed, IF-7.05</u></b>	<i>Sustainable Materials and Technologie</i>	2021	29	2214	<a href="https://doi.org/10.1016/j.susmat.2021.e00315">https://doi.org/10.1016/j.susmat.2021.e00315</a> .				
4	Arti Jain, Sushma Yadav, Priti Malhotra, Accidental synthesis of a trimer of pyrazolone and comparison of its antioxidant activity: an investigatory report. 77	Journal of chemical science	<b>2021</b>	<b>133</b>		<a href="https://doi.org/10.1007/s12039-021-01943-0">https://doi.org/10.1007/s12039-021-01943-0</a> ( <b><u>UGC Listed, IF-1.5</u></b> ).				
5	Sushma Yadav, Maruf Chauhan, Divya Mathur, Arti Jain, Priti Malhotra Sugarcane	Environment, Development and Sustainability,	<b>2021</b>	<b>23</b>	<b>2071-2091</b>					

	Bagasse-Facilitated Benign Synthesis Of Cu <sub>2</sub> O Nanoparticles And Its Role In Photocatalytic Degradation Of Toxic Dyes: A Trash To Treasure Approach,					
S.No	Details (Authors, Book title, Article title, Year, page range of article)	Publisher	Date of publishing (DDMMYY)	Authored/Edited		
1	Humera Waseem Khan, Palak Jain, Arti Jain; Covid -19 Pandemic: Accelerating New Innovations In The Book Titled Covid 19: Impacts And Response; Pp105-113;; 2020;	Bhumi Publishing	2020	Authored		
2	Deepshikha And Arti Jain; Reverberations Of Covid 19 On The Employment, Lives And Livelihoods Of The Masses In The Book Titled Covid 19: Impacts And Response; Pp-10-21;	Bhumi Publishing	2020	Authored		
3	Arti Jain And Ritu Payal; Remediation of Toxic Contaminants In Water Using Agricultural Waste; In Book Applied Water Science Vol 2: Remediation Technologies, Pp-555-596;	Wiley-Scriveener;	June 2021;	Authored		
4	Ritu Payal And Arti Jain Book Title: Sustainable Corrosion Inhibitors ; Chapter Title: Green Corrosion Inhibitors For Coatings, 107,147-174	Material Research Forum	2021	Authored		
5	Ritu Payal And Arti Jain Book Chapter: Green Sustainable Process For Chemical And Environmental Engineering And Science; Chapter Title: Influence Of Biosurfactant In The Bioremediation Of Pentachlorophenol	Elsevier;	2021	Authored		
6	Arti Jain And Ritu Payal; Title: Ca Ion Batteries In The Book Rechargeable Batteries: History, Progress And Applications; 195-216;	Wiley-Scriveener	2021	Authored		
7	Ritu payal and Arti Jain book chapter: Green sustainable process for chemical and environmental engineering and science; chapter TITLE: Influence of biosurfactant in the bioremediation of pentachlorophenol	Elsevier	July 2021	Authored		
8	<b>Priti Malhotra</b> and Arti Jain, Graphene oxide-based nanocomposites for adsorptive removal of water pollutants, in book <i>Contamination of Water</i> , 2021,	Elsevier	2021	AUTHORED		
9	Research methodologies which can	<b>Elsevier</b>	2021	Authored		

	improve urban water supply to protect public health in book Urban Water Crisis and Management			
10	Humera Waseem Khan And Arti Jain (Daulat Ram College, India) ; Stress And Anxiety In The Digital Age:The Dark Side Of Digital Of Digital Technology In Book Titled <u>Impact And Role Of Digital Technologies In Adolescent Lives</u> ; Pp-118-123;	IGL global	2022	Authored
11	R. Payal, A. Jain, Removal of EBT from waste water using activated carbon derived from agricultural waste corncob, In: Environment Health and Society, 2021, pp. 161-167.;	Academic publication	2021	Authored
12	Arti jain and Priti Malhotra; Removal of heavy metal toxin chromium from water effluent using silica nanoparticles obtained from rice husk: An agricultural waste;	Academic publication	2021	Authored
13	Arti Jain, Humera Waseem Khan, Palak Jain; Application Of Biosurfactant As Versatile Additives Or Ingredients Of Food Processing; 2023, Pages: 111-135	Elsevier;;	June 2023;	Authored
14	Arti Jain, Priti Malhotra Covalent Organic Frameworks (COFS) As Potential Catalysts in The Book Titled Metal-Organic Frameworks (Mofs) As Catalysts Pp:267-283	Springer;	2022	Authored
15	Chapter 9 - Chemical methods for the treatment of e-waste Priti Malhotra, Arti Jain	Elsevier	2023	Authored
<b>S.no</b>	<b>Details (Authors, Book title, Article title, Year, page range of article)</b>	<b>Date of Publishing (DDMMYY)</b>	<b>Name of conference</b>	<b>Venue of conference</b>
1	REVERBERATIONS OF COVID-19 ON THE EMPLOYMENT, LIVES AND LIVELIHOODS OF THE MASSES Deepshikha And Arti Jain Pp-10-21	2020	Covid 19 : impact and responses; 12-13 th June 2020	Online Published by bhumi publishing

**Conference Organization / Presentation (in the last three years)**

**Research Projects (Major Grants/Research Collaboration)**

S.No.	Title	Period		Major/Minor	Sponsoring/ Funding Agency
		From	To		
1.	Biogenic synthesis of graphene oxide-based nanocomposites and their catalytic application in purification of water for environmental remediation	2023	2024	Minor	DRC-Navdhara Project
2	Principal Investigator in Innovation Project (DR-306).	2015	2016	Minor	University of Delhi
3	Principal Investigator in Star innovation project (DRC-305).	2015	2018	Major	University of Delhi,

**Awards and Distinctions**

- Selected for The Best Poster Award in the International Conference at Lucknow University, Lucknow, U.P. India. (2012)
- 1<sup>st</sup> prize in oral presentation at Delhi Technical University (DTU) (2012)
  
- Selected for The Best Poster Award in the National Conference at Maitreyi College, University of Delhi (2016).
- Selected for The Best Poster Award in the National Conference at Kalindi College, University of Delhi (2017).
- Letter of appreciation from NCSTC- Network, New Delhi for the interactive meet with national science teachers in 2008.
- Certificate of Appreciation awarded for being selected for research display (Project Code-DR-306) from University of Delhi.

**Association with Professional Bodies**

SOCIETY FOR PROMOTION OF EDUCATION AND SCIENCE (SPES)	LIFE MEMBERSHIP (LF NO-54/2019)
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**Other Activities (in last three years)**

Guided students to make Handmade harsh chemical free soap for selling at stall organized for Jalsa (Diwali mela)