



Faculty Details Proforma

Title	Dr.	First Name	ARTI	Last Name	JAIN	Photograph
Designation		Assistant Professor				
Address		Daulat Ram College, Patel Marg 4				
Phone No. Office		N/A				
Residence		ROHINI				
Mobile No.		9999823778				
Email – ID		artijain@dr.du.ac.in				
Web Page						
Educational Qualification						
Degree	Institution					Year
PhD	University of Delhi					2013
M.Sc (Chemistry)	University of Delhi					2008
B.Sc (Chemistry)	University of Delhi					2006
Career Profile						
A. Teaching in Daulat Ram College since 2015 onwards. B. Taught in Kalindi College and Institute of Home economics on adhoc basis before that. 1. Delivered lecture in the workshop on plagiarism, referencing and citation style organized by Central institutu Education, University of Delhi on 13th August 2013. 2. Skill Development Course : Delivered and conducted a module on “Drug Analysis” and “Estimation of Vitamin fruits, Vegetables and Beverages” in Daulat Ram College during summer vacations 2015 3. Skill Development Course: Delivered and conducted a module on “Green Formulation of Cosmetics And Perfume in Daulat Ram College during winter vacations 2015 4. Skill Development Course: Delivered and conducted a module (act as Resource Person) on “Green Genesis Sustainability of Personal Care Products And Food Stuff” in Daulat Ram College during summer vacations 2016. 5. Skill Development Course: Delivered and conducted a module (act as Resource Person) on “Instrumentation analytical clinical and computational chemistry” in Daulat Ram College during summer vacation 2017. 6. Skill Development Course: Delivered and conducted a module (act as Resource Person) on “Chemistry at the hel essential oils, cosmetics, fragrances and wellness” in Daulat Ram College during summer vacation 2018. 7. Skill Development Course: Delivered and conducted a module (act as Resource Person) on “Exploring even Chemistry” in Daulat Ram College during winter vacation 2018. 8. Inspire Science Camp sponsored by DST from 17th -21st Dec 2018 at Daulat ram College, University of Delhi 9. SDP: Exploring Chemicals in Natural Products from 4-7-2019 to 10-7-2019 in Daulat Ram College, University Of Delhi 10. Worked as Co-convenor in the online Summer Internship on Research methodology in Chemistry in May’2020 for 15 days.						

11. Resource person in SDP organized by Daulat Ram College for first year undergraduate students for 2 days in Nov'2022 on ICT Tools. (17-12-20 to 19-12-20)
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 (TGCP TES) on 20th Nov.2018
14. Resource Person in SCERT for conducting a workshop for school teachers on 17-19th 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 17th 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 on 23-24th 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 18th Oct'2023.
18. Co-ordinator and Resource person in SDP organized by Daulat Ram College for first year undergraduate students (science) for 2 days in 13-14th 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.
20. Delivered a talk in one-day Training Programme on “Global warming and Green House effect” on 12.11.2024 in the premises of MGICCC, Bakoli, Delhi 110036.
21. Delivered a talk in one-day Training Programme on “Understanding Climate Change and Global Warming” on 25.09.2025 in the premises of MGICCC, Bakoli, Delhi 110036.
22. Delivered a talk in one-day Training Programme on “Climate Change and Public Health-An Overview” on 19.05.2026 in the premises of MGICCC, Bakoli, Delhi 110036.
23. Written various Articles for Z NEWS HINDI in 2026

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 participants in the program
1	Workshop	hands on workshop on Green methods in chemistry	shaheed Rajguru college	21/10/2024-22/10/2024	Attended and completed	2 days	~35
2	FDP	Innovation and Entrepreneurship	udhmodya foundation	01/04/2025-05/04/2025	Attended and completed	5 days	~50
3	Refresher Courses	Embarking on NEP “Research Methodology for scientific excellence”	online	24/06/2025-07/07/2025	Attended and scored A+	15 days	~75
4	Workshop	entrepreneurship curriculum and pedagogy	Daulat Ram College	11/03/2026	Attended and completed	1 day	~30
5		Value addition course: Swachh Bharat			Attended and completed	2 days	~30

	Workshop		University of delhi	06/10/2025-07/10/2025			
6	Design and Development of Curriculum , , Chemistry	X-XII class practical book	NCERT	17/11/2025-22/11/2025		5 days	
7	Design and Development of Curriculum , , Chemistry	X-XII class practical book	NCERT	13/02/2026-18/02/2026		5 days	
8	Government officer training	Data analytics	C-DAC (online)	13/10/2025-17/10/2025		5 days	
9	Refresher Course	SKILL DEVELOPMENT IN FORENSIC SCIENCE & FORENSIC CHEMISTRY	Online and Offline (ANDC)	6 th April-30 th April 2024	Attended and scored A+	2 weeks	
10	Faculty Development Programme	NEP 2020 orientation and sensitization programme	Online	5 th Dec - 14 th Dec 2023	Attended and completed successfully	1 Week	
11	Faculty Development Programme	Design thinking and Innovation	offline	11 th -18 th Sept 2023	Attended and completed successfully	1 Week	
12	Chemistry course committee	Syllabus generation for IV,V,VI semester	offline	2023	member		
13	Inaugural ceremony of FIP		offline	1 st Dec 2023	participant	I day	
14	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 Malaviya National Mission on Teachers and Teaching (PMMMNTT) of Ministry of Education	online	25-2-23	27-3-23	One month	
15	National seminar cum workshop on e-content, MOOCS, ARPIT	SGTB khalsa		31-8-2019	2019		
16	online course in CHROMATOGRAPHY; Basics of Chromatography	online	07, May 2020	16, May 2020	2020		
17	ARPIT Course for Career Advancement Scheme(CAS) promotion "online	Online and exam was offline and scored A grade	Exam was on 16.2.20		2020	SGTB khalsa	

	refresher course in Chemistry for higher education						
118	National Level Five Day faculty development program on “Scilab” in Association With IIT-Bombay	online	15th June	19th June 2020	2020		
19	<i>Novel Materials for Energy and Biomedical (Covid-19) Healthcare Applications organized Department of Science & 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>	2020		
20	Advanced topics in chemical sciences organized by post graduate department of chemistry, Nallamuthu gandour Mahalingam college, Pollachi (FDP)	online	15-5	21-5-2020	2020		
21	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	2020		
22	National webinar entitled ICTenabled higher education in india “ challenges and opportunities (one day)	online	15-4-20		2020		
23	Empowering Teaching-Learning Process using Google Classroom & Other ICT Tools: A Comprehensive Practical Approach, organised by Department of Commerce, Daulat Ram College, University of Delhi (three days)	online	21-7	23-7-2020	2020		
24	<i>Faculty Enrichment Webinar for Chemistry Teachers in Higher Education;</i> organized by National Resource Centre for Education of	online	11-2-2021				

	this Institute at NIEPA, New Delhi						
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Administrative Assignments

1. Sport board member 2024-25
2. Entrepreneur innovation and startup cell member (EISC) 2023-24, 2024-25, 2025-26
3. Staff advisor chemical society 2024-25
4. Co-convenor Life science association 2024-25
5. Placement cell member 2018-19, 2020-21, 2021-22, 2022-23, 2023-24, 2024-25, 2025-26
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, Nov-Dec 2024, May-June 2025, Nov-Dec 2025, May-June 2026)
9. Moderation committee member for conducting theory exam in colleges (May-June'2024, Nov-Dec 2024, May-June 2025)
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 Student Amenities committee of Daulat ram College, 2018-19
18. Organized one day workshop on the topic "Translating Green Chemistry principles towards environmental sustainability" at School of Basic and applied science of K. R. Mangalam University on 20th Nov. 2018.
19. Organizing member of Inspire Science Camp sponsored by DST from 17th -21st Dec 2018 at Daulat ram College, University of Delhi.
20. 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 7th March 2019.
21. Organizing member of National conference on Recent trends and advancement in chemical sciences held at conference center, University of Delhi on 29th -31st March 2019.
22. Evaluator of Vidyarthi vigyan manthan state level camp held in Daulat ram college on 8th Jan 2023.
23. Member of canteen committee 2022-23
24. Team Manager for various events held by Sports Board Daulat ram College in the Session 2018-2019, 2019-2020
25. Member of hostel admission committee 2017-18
26. Member of Help desk committee in 2016-17, 2017-18, 2018-19, 2019-2020, 2020-21
27. Member of NIRF committee 2017-18, 2018-2019, 2019-2020
28. Member of NAAC committee 2015-16, 2016-2017, 2017-2018
29. Member of Annual Magazine work 2019-2020
30. 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

1. Publications (*List of papers published in SCI Journals, in year wise descending order*).

S. No	Author(s)	Title	Name of Journal	Volume	Page	Year
1	Lata Vodwal, Poonam Juneja, Arti Jain	Exploring Synergistic Effects in Novel Thiazole-Based Heterocycles: Synthesis, Characterization, and Biological Evaluation	ChemistrySelect	https://doi.org/10.1002/slct.202600017 https://doi.org/10.1002/slct.202600017		2026
2	Maruf Chauhan, Sushma Yadav, Arti jain, Priti Malhotra	Agro-waste-mediated green synthesis of Cu ₂ O/ZnO nanocomposites for photocatalytic removal of doxycycline in aqueous system	Cleaner Water	6	100240	2026
3	Arti Jain, Pooja Baweja & Lata Vodwal	Isolation and phytochemical characterisation of bioactive compounds from the root extracts of Momordica dioica Roxb. ex Willd	Plant Science Today,	ISSN 2348-1900 (online)	https://doi.org/10.14719/pst.8355	2026
4	Arti Jain, Khushi Madaana, Gunanvee Pandeya, Lata Vodwal	TRANSITION-METAL CATALYSTS FOR OXIDATION REACTIONS	Heterocyclic Letters ISSN : (print) 2231-3087 / (online) 2230-9632	16	269	2026
5	Lata Vodwal · Haritma Chopra · P. Bajaj Gandhi · Chandra Mohan · Arti Jain	A Regioselective Synthesis of 3-Hydroxyindoles Via an Intermolecular C (sp ²)-C (sp ²) Bond Formation	Chemistry Africa	8	2723	2025
6	Sushma Yadav, Arti jain, Priti Malhotra	Nanocatalyst driven synthesis of β-enaminones: A novel step towards the development of pharmaceutical precursors	Journal of the Indian Chemical Society	101, 2,	101119	2024
7	Arti Jain, Sushma Yadav, Priti Malhotra	Accidental synthesis of a trimer of pyrazolone and comparison of its antioxidant activity: an investigatory report	Journal of Chemical Science	133, 77		2021
8	Sushma Yadav,	Sugarcane bagasse-facilitated benign	Environment,	23	pages2	2021

	Maruf Chauhan, Divya Mathur, Arti Jain, Priti Malhotra	synthesis of cu ₂ o nanoparticles and its role in photocatalytic degradation of toxic dyes: a trash to treasure approach	Development And Sustainability		071–2091	
9	Sushma Yadav, Arti Jain, Priti Malhotra	Bioinspired Synthesis And Green Ecological Applications Of Reduced Graphene Oxide Based Ternary Nanocomposites,	<i>Sustainable Materials And Technologies,</i>	29	E00315	2021
10	Sushma Yadav, Arti jain, Priti Malhotra	A review on the sustainable routes for the synthesis and applications of cuprous oxide nanoparticles and their nanocomposites,	Green Chemistry	21	937-955	2019
11	Abha Sharma, Kavish Kumar Jain, Arti Jain, Mazaahir Kidwai, Ramesh Chandra Kuhad	Bifunctional In Vivo Role Of Laccase Exploited In Multiple Biotechnological Applications,	<u>Applied Microbiology And Biotechnology</u>	102	10327-10348	2018
12	Ritu Payal , Arti Jain , and Priti Malhotra	<u>Waste to wealth approach: removing toxic heavy metals and organic dyes from waste water using agricultural waste.</u>	International Journal of Chemical, Environmental & Biological Sciences (IJCEBS)	5	2320	2017
13	R. Poddar, Arti Jain, M. Kidwai	Bis[(L)Prolinato-N,O]Zn : A Water Soluble Recyclable Catalyst For Various Organic Transformations;	Journal of Advance Research,	8	245-270	2017
14	Priti Malhotra, Arti Jain	Role of Nanotechnology As A Tool for Sustainability: Potential of Zerovalent Metal Nanoparticles (ZVN) and Their Metal Composites in Environmental Remediation	International Journal of Mathematics and Physical Sciences Research	3	143-150	2016
15	Priti Malhotra, Ritu Payal and <u>Arti Jain</u> ,	Whether to Worry With Waste: A Review On Activated Carbon Precursors From Various Waste Materials,	<i>International Journal of Advanced Research</i>	4	14-20	2016
16	Priti Malhotra, <u>Arti Jain</u> and Ritu Payal	Drinking Water and Health: A Unique Solution for Remediation of Contaminated Water for Sustainable Health,	<i>Journal of Basic and Applied Engineering Research</i>	3	44-47	2016
17	<u>M. Kidwai, R. Poddar, Arti Jain, R. Kumar and P. M Luthra;</u>	Synthesis and SARs of Coumarin Fused 1,5-Benzothiazepines as Novel Anticancer and Antioxidant Agents,	Mini reviews in Organic Chemistry	12	24	2015

18	M. Kidwai, <u>Arti Jain</u> , Satendra Singh, Vishal Nimyesh, Pratibha. M. Luthra	An Investigatory Study of Antibacterial Activity of Functionalized Spirooxindoles.	Indian journal of Chemistry-B)	53	399-411	2014
19	M. Upadhyay, B. Shrivastava, <u>Arti Jain</u> , M. Kidwai, S. Kumar, J. Gomes, D. G. Goswami, A. K. Panda, R. C. Kuhad	“Production of ganoderic acid by Ganoderma lucidum RCKB-2010 and its therapeutic potential”	Annals of Microbiology	64	839	2014
20	M. Kidwai, <u>Arti Jain</u> , A. Sharma and R. C. Kuhad	“Laccase Catalyzed Reaction Between Meldrum’s Acid And Catechols/Hydroquinones - An Investigation”	Comptes Rendus Chimie	16	728	2013
21	M. Kidwai, <u>Arti Jain</u> , A. Sharma and R. C. Kuhad	“Laccase - An natural source for the synthesis of benzofuro[2,3-c]pyrazolin-5-ones”	Catalysis Science and Technology	3	230	2013
22	M. Kidwai, <u>Arti Jain</u> , V. Nemaysh, R. Kumar and P. M. Luthra	“Efficient entry to diversly functionalized spirooxindoles from isatin and their biological activity”	Medicinal Chemistry. Research	22	2717	2012
23	M. Kidwai and <u>Arti Jain</u>	“Zn[(L)Proline] ₂ : an eligible candidate for the synthesis of xanthenediones in water”	Applied organometallic Chemistry	26	528	2012
24	M. Kidwai, <u>Arti Jain</u> , A. Sharma and R. C. Kuhad	“Ecofriendly approach for detection of phenols in water using Laccase from different fungi”	Water Science & Technology	66	385	2012
25	M. Kidwai, <u>Arti Jain</u> and S. Bhardwaj	“Magnetic nanoparticles catalyzed synthesis of diverse N-Heterocycles”	Molecular Diversity	16	121	2012
26	M. Kidwai, <u>Arti Jain</u> , A. Sharma and R. C. Kuhad	“First time reported enzymatic synthesis of new series of quinoxalines-A green approach”	Journal of Molecular Catalysis B: Enzymatic	74	236	2012
27	M. Kidwai, S. Bhardwaj and <u>Arti Jain</u>	“A green oxidation protocol for the conversion of secondary alcohols into ketones using heterogeneous nanocrystalline titanium (IV) oxide in polyethylene glycol”	Green Chemistry Letters and Reviews	5	195	2011
28	M. Kidwai and <u>Arti Jain</u>	“Regioselective synthesis of 1,4-disubstituted triazoles using bis[(L)prolinato-N,O]Zn complex as an efficient catalyst in water as a sole solvent”	Applied organometallic Chemistry	25	620	2011

29	M. Kidwai, S. Bhardwaj, N. K. Mishra, Arti Jain , A. Kumar and S. Mozumdar	“Application of mobilized Cu-nanoparticles as heterogeneous catalyst for the synthesis of α -amino phosphonates via A ² -P coupling”	<i>Catalysis Science and Technology</i>	1	426	2011
30	M. Kidwai, Arti Jain , R. Poddar and S. Bhardwaj	“Bis[(L)prolinato-N,O]Zn in acetic acid-water: a novel catalytic system for the synthesis of β -amino carbonyls via Mannich reaction at room temperature”	<i>Applied organometallic Chemistry</i>	25	335	2011
31	M. Kidwai, Arti Jain and R. Poddar	“Zn[(L)proline] ₂ in water: A new easily accessible and recyclable catalytic system for the synthesis of pyrazoles	<i>Journal of organometallic chemistry</i>	696	1939	2011
32	M. Kidwai, Arti Jain and S. Bhardwaj	“1, 4-addition of terminal alkynes to conjugated enones in water using green catalyst Bis[(L)prolinato-N,O]Zn - An environmentally benign protocol”	<i>Catalysis letters</i>	141	183	2011

2. Detail of patents.

S. No	Patent Title	Name of Applicant(s)	Patent No.	Award Date	Agency/Country	Status
1	A process for selective C-3 thiazolylolation of indoles	Lata Vodwal, Arti Jain, Chandra Mohan,	202311003523,	27-2-24	The patent Office, GOI	Granted
2	High Performance thin layer chromatography (HPTLC) for analysis of chemical compounds	Kavita khatana, Tasneem K.H. Khan, Diksha Jindal, Arti Jain, H. Mihamed Kasim Shelt, Rani Rajput, N. Nagabhoosanam	423620-001	26-8-2024	The patent Office, GOI	Granted

3. Books/Reports/Chapters/General articles etc.

S.No	Title	Author's Name	Publisher	Year of Publication	
1	Iridium Base Refractory Superalloys	Ayanna Chanda, Leena Vij, Arti Jain	MRF	2025	
2	VARIOUS WAYS FOR UTILIZING WASTE COOKING / RANCID OIL FOR BETTER TOMORROW	<i>Megha Saxena, Priya and Arti Jain</i>	Mahto Publication	2025	
3	CONVERTING COLLEGE CAMPUS INTO A GREEN HUB : STEPS TOWARDS SUSTAINABILITY	<i>Khushi Vats, Priti Malhotra and Arti Jain</i>	Mahto Publication	2025	
4	Clay As Adsorbent for Water Purification;	Arti Jain, Humera Waseem Khan	Cambridge Scholar Publishing,	2023	
5	Chemical methods for the treatment of e-waste	Priti Malhotra, Arti Jain	Elsevier	2023	
6	Application Of Biosurfactant As Versatile Additives Or Ingredients Of Food Processing	Arti Jain, Humera Waseem Khan	Elsevier;	2023	
7	Covalent Organic Frameworks (COFS) As Potential Catalysts in The Book Titled Metal-Organic Frameworks (Mofs) As Catalysts	Arti Jain, Priti Malhotra	Springer	2022	
8	Covid -19 Pandemic: Accelerating New Innovations In The Book Titled Covid 19: Impacts And Response	Humera Waseem Khan, Palak Jain, Arti Jain;	Bhoomi Publishing	2020	
9	Reverberations Of Covid 19 On The Employment, Lives And Livelihoods Of The Masses In The Book Titled Covid 19: Impacts And Response	Deepshikha And Arti Jain;	Bhoomi Publishing	2020	
10	Removal of EBT from waste water using	Ritu Payal, Arti Jain,	Academic	2021	

	activated carbon derived from agricultural waste corncob		publication;	
11	Removal of heavy metal toxin chromium from water effluent using silica nanoparticles obtained from rice husk: An agricultural waste;	Arti jain and Priti Malhotra	Academic publication;	2021
12	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>	Humera Waseem Khan, Arti Jain;	Igl Global;	2022
13	Research Methodologies Which Can Improve Urban Water Supply To Protect Public Health In Book Urban Water Crisis And Management	Arti Jain, Humera Waseem Khan, Parul Saluja	Elsevier	2022
14	, Graphene Oxide-Based Nanocomposites For Adsorptive Removal Of Water Pollutants, In Book <i>Contamination Of Water</i>	Priti Malhotra And Arti Jain	Elsevier;	2021
15	Title: Ca Ion Batteries In The Book Rechargeable Batteries: History, Progress And Applications	Ritu Payal, Arti Jain	;Wiley-Scrievener	2020
16	Green Corrosion Inhibitors For Coatings.	Ritu Payal And Arti Jain	Material Research Forum Llc	2021
17	Influence Of Biosurfactant In The Bioremediation Of Pentachlorophenol;	Ritu Payal And Arti Jain	Elsevier;	2021
18	Remediation of Toxic Contaminants In Water Using Agricultural Waste	Arti Jain And Ritu Payal;	Wiley-Scrievener	2021
19	“Waste Fruit Cortexes For The Removal Of Heavy Metals from Wastewater”	Ritu Payal And Arti Jain	Material Research Forum Llc	2017

4. Any other Information (maximum 500 words):

S.No	Name of Research Project	Funding Agency	National/International	Duration (Start date and end date)	Amount Sanctioned	Amount Received

1	Enhancing activities of medicinal plants by adding biogenically synthesized silver nanoparticles (Ag-nps) obtained from chemistry lab waste water /mirror waste (synergism effect)	DRC (Navdhara Project)	College level	2024-25	30000		
2	Biogenic synthesis of graphene oxide-based nanocomposites and their catalytic application in purification of water for environmental remediation	DRC (Navdhara Project)	College level	2023-24	75000		
3	DR-306: Trapping the waste-Rice husk as an agent to remove heavy metal ions, surfactants, and organic dyes from waste water	DU	National	2015-2016	5 Lacs	5 Lacs	
4	DRC-05: Synthesis of Biobased mesoporous material and its applicaton in water purification	DU	National	2016-2019	5 Lacs	5 Lacs	

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Research Guidance
Guided undergraduate students in various research projects. Supervised three students of fourth year in completing their Academic project, Dissertation and Entrepreneurial track
Conference Organization / Presentation (in the last three years)
Awards and Distinctions
- Selected for The Best Poster Award in the International Conference at Lucknow University, Lucknow, U.P. India. (2012) 1st 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)	
Other Activities (in last three years)		
Guided students to make Handmade harsh chemical free soap for selling at stall organized for Jalsa (Diwali mela)		