




Faculty Details Proforma

Title	Dr	First Name	Divya	Last Name	Mathur	Photograph
Designation	Assistant Professor					
Address	Daulat Ram College, DU					
Phone No. Office						
Residence						
Mobile No.						
Email – ID	divyamathur@dr.du.ac.in					
Web Page						
Educational Qualification						
Degree	Institution				Year	
B.Sc (Hons) Chemistry	Delhi University				2006	
M.Sc Chemistry	Delhi University				2008	
PhD Chemistry	Delhi University				2013	
Career Profile						
Full Time Research Experience						
Designation	Institute	Time period	Nature of Appointment			
SERB-DST National Postdoctoral Fellow	Jamia Hamdard, Delhi	19-04-2016 to 01-08-2016	Permanent			
Erasmus Mundus Postdoctoral Fellow	Ghent University, Belgium, Europe	01-09-2013 to 30-09-2014	Permanent			
Research Associate	Department of Chemistry, University of Delhi and DRDO, Delhi	17-07-2013 to 31-08-2013	Permanent			
Canadian Commonwealth Research Scholar	Canadian Bureau of International Education, Government of Canada Department of Chemistry, Acadia University, Wolfville, Nova Scotia, Canada	15.09.2011 to 15-03-2012	Permanent			
Full time Teaching Experience						
S.No	Designation	Institution	Time Period	Nature of Appointment		
1	Assistant Professor	Daulat Ram College, University of Delhi	July 2023 to Present	Permanent		
3	Assistant Professor	Daulat Ram College, University of Delhi	Aug 2016 to July 2023	Adhoc		
3	Assistant Professor	Shyam Lal College, University of Delhi	Jan 2016 to June 2016	Adhoc		

4	Assistant Professor	Daulat Ram College, University of Delhi	Jan 2015 to Aug 2015	Adhoc
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Administrative Assignments

Name of Institute	Designation	Status	Time period	Experience
Daulat Ram College	Assistant Professor	Co-convenor of ECA society	July 2021-2023	2 Year
Daulat Ram College	Assistant Professor	Member, Skill Development Committee	July 2023-Present	
Daulat Ram College	Assistant Professor	Member of Disaster Management Committee	July 2021	1 Year
Daulat Ram College	Assistant Professor	Member of Life Sciences Association	July 2021	1 Year
Daulat Ram College	Assistant Professor	Member of Chemical Society	July 2020-2021	1 Year
Daulat Ram College	Assistant Professor	Member of Dance and Music Society	July 2020-2021	1 Year
Daulat Ram College	Assistant Professor	Member of Placement Cell	2018-2023	5 Years
Daulat Ram College	Assistant Professor	Member of NAAC and NIRF Work	2019-2020	1 Year
Daulat Ram College	Assistant Professor	Member Students' Advisory Board	2017-18	1 Year

Areas of Interest / Specialization

Green Chemistry, Carbohydrate Chemistry, Biocatalysis

Subjects Taught (in the last three years)

Undergraduate Core and Discipline Selective Elective Courses to B.Sc (Hons) Chemistry, B.Sc Life Sciences
 Generic elective courses to B.Sc (Hons) Botany, Zoology, Physics, Maths, Biochemistry
 Skill Enhancement course to B.Sc (Hons) and B.Sc Life Sciences
 Value Addition Courses to BSc (Hons), BSc Prog, B.A (Prog), B.A (Hons), B.Com (Prog) and B.Com (Hons)

Research Guidance

Publications Profile (in the last three years)

1. Advances in Drug Delivery Systems for Lipophilic Drug Paclitaxel: Developments, Challenges, and Opportunities (A Review); S Kumar, A Arora, V Pant, S Guchhait, R Kumar, D Mathur, BK Singh, Russian Journal of Bioorganic Chemistry, 2024, 50, 5, 1752-1782
2. Discovery of novel bioactive compounds in Catharanthus roseus exhibiting anti-angiogenic activity against VEGFR-2 TKD for Glioblastoma tumor growth suppression; A Senrunga, D Kumar, N Bhardwaj, K Sharma, H Sharma, S Pandey, M Thakur, S Meena D Mathur, Biomedical and Therapeutics Letters, 2024, 11, 2, 912-912
3. Transition-Metal Catalyzed Synthesis of Pyrimidines: Recent Advances, Mechanism, Scope and Future Perspectives; VK Maikhuri, D Mathur, A Chaudhary, R Kumar, VS Parmar, BK Singh, Topics in Current Chemistry, 2024, 382, 1, 4
4. Synthesis of substituted 2H-Chromenes via Pd-catalyzed C–H activation and thermal cyclization; VK Maikhuri, V Verma, D Mathur, AK Prasad, V Khatri, Carbohydrate Research, 2024, 536, 109018
5. Novozyme-435: perfect catalyst for chemo-and regio-selective synthesis of modified carbohydrates—a review; R Kumar, VK Maikhuri, D Mathur, M Kumar, N Singh, AK Prasad, Biocatalysis and Biotransformation, 2024, 42, 1, 19-33
6. Greening up organic reactions with caffeine: applications, recent developments, and future directions; A Chaudhary, D Mathur, R Gaba, R Pasricha, K Sharma, RSC advances, 2024, 14, 13, 8932-8962
7. Advances in chromone-based copper (II) Schiff base complexes: synthesis, characterization, and versatile applications in pharmacology and biomimetic catalysis; SKumar, A Arora, VK Maikhuri, A Chaudhary, R Kumar, VS Parmar, D Mathur, RSC advances, 2024, 14, 24, 17102-17139
8. Physico-Chemical Pathways for Wastewater Effluents; Anuradha, D Singh, D Mathur, S Kumar, Wastewater Resource Recovery and Biological Methods, 2023, 173-192
9. Lipid Biomass to Biofuel; D Singh, A Bhardwaj, D Mathur, A Kumar, Wastewater Resource Recovery and Biological Methods, 2023, 343-372
10. Green synthesis of triazolo-nucleoside conjugates via azide–alkyne C–N bond formation; R Kumar, J Maity, D Mathur, A Verma, N Rana, M Kumar, S Kumar, Ashok. K Prasad, Physical Sciences Reviews, 2022, <https://doi.org/10.1515/psr-2021-0090>
11. Biocatalyst-mediated selective acylation and deacylation chemistry on the secondary hydroxyl/amine groups of nucleosides; AM Khan, NK Agnihotri, VK Singh, SC Mohapatra, D Mathur, M Kumar, Nucleosides, Nucleotides & Nucleic Acids, 2021, 40, 12, 1220-1236.
12. Sugarcane bagasse-facilitated benign synthesis of Cu₂O nanoparticles and its role in photocatalytic degradation of toxic dyes: a trash to treasure approach; S Yadav, M Chauhan, D Mathur, A Jain and P Malhotra, Environment, Development and Sustainability, 2021, 23, 2, 2071-2091.
13. Synthesis and Antitubercular Activity of 4,5-Disubstituted N1-(5'-deoxythymidin-5'-yl)-1,2,3-triazoles; R Kumar, D Bimal, M Kumar, D Mathur, J Maity, SK Singh, M Thirumal, Chemistry Select, 2020, 5, 28, 8839-8845.

Conference Organization / Presentation (in the last three years)

S.No.	Details	Place	Period		Sponsoring/Organising Agency
			From	To	
1	Co-coordinator of Regional Level competition of National Environment Youth Parliament	School of Open Learning, DU	06-01-2024	-	Students for Development, Paryavaran Sanrakshan Gatividhi, School of open learning, DU and Department of environmental studies, DU
2	Resource person in National Environment Youth Parliament 2024	Rashtrisant Tukdoji Maharaj Nagpur	10-02-2024	11-02-2024	Students for Development, Paryavaran Sanrakshan Gatividhi

		University, Nagpur			
3	Organizing Committee member in National Environment Youth Parliament 2024	Rashtrant Tukdoji Maharaj Nagpur University, Nagpur	10-02-2024	11-02-2024	Students for Development, Paryavaran Sanrakshan Gatividhi
4	Organizing Committee member in SDP Enhancing learning through ICT tools	Daulat Ram College	23-8-2023	24-8-2023	Daulat Ram College
5	Jury Member for Social Internship (SIPAA), Haryana Regional Level National Environment Youth Parliament 2024	Manav Rachna University	28-12-2023	29-12-2023	Manav Rachna University

Research Projects (Major Grants/Research Collaboration)

S.No.	Title	Period		Major/Minor	Sponsoring/ Funding Agency
		From	To		
1	Design and synthesis of novel coumarin-pyridine/quinoline/quinazoline/indazole hybrids as angiogenesis inhibitors targeting VEGFR-2 TKD against tumor microenvironment.	April 2024	April 2027	Major	CSIR
2	Design and synthesis of novel biologically active compounds targeting VEGFR-2 TKD against tumor microenvironment	Sept 2023	Sept 2024	Minor	Daulat Ram College

Awards and Distinctions

Association with Professional Bodies

Other Activities (in last three years)