



University of Delhi

Faculty Detail Performa



Name	Dr Divya Mathur	
Designation	Assistant Professor	
Department	Chemistry	
Email	dmchem05@gmail.com	

Educational Qualification

Degree	Institution	Year
B.Sc (Hons) Chemistry	Delhi University	2006
M.Sc Chemistry	Delhi University	2008
PhD Chemistry	Delhi University	2013

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

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 in Teaching:

Organic Chemistry, Green Chemistry

Subjects Taught

S.No	Course	Subject Taught	Semester	Year
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1	B.Sc (Hons) Chemistry	Organic Chemistry, Green Chemistry	IV, VI	2015-2023
2	B.Sc Life Sciences	Core Chemistry courses, Skill Enhancement Courses, DSE courses	III, IV, V, VI	2015-2023
3	B.Sc (Hons) Botany, Zoology, Biochemistry, Maths, Physics	Generic Elective courses	I, II, III, IV	2015-2022
4.	B.A Prog History, B.Com (Hons), B.Com (Prog), B.Sc Life Sciences and B.Sc (Hons) Chemistry	Environmental Studies	I, II	2015-2022

Publications:

Books

S.No	Book Details (Authors, Book title, Year)	Publisher	Date of publishing (DDMMYY)	Authored/ Edited	ISBN No
1.	Conference Proceedings of National Conference on "Innovations in Sciences and Emerging Challenges in Health and Environment" (NSHE-2018)	Vidyavalyan Prakashan	20 March 2018	Edited	9788192981246
2.	Green Chemistry and Environmental Sustainability	Springer Nature	17 to 18 November 2016	Edited	978-981-10-8389-1
3.	Conference Proceedings of the UGC-sponsored National Conference in Chemistry: Environment and Harmonious Development, 2016	Bright Publishers	7 to 8 April 2016	Edited	9789385824012

Book Chapters/Articles

NA

S.No	Details (Authors, Book title, Article title, Year, page range of article)	Publisher	Date of Publication (DDMMYY)	Authored/Edited	ISBN No

E- Modules

NA

S.No	Details (Authors, Title, Year, URL)	Publisher	Date of Publication (DDMMYY)	Authored/Edited	Link

Research Publications:

International

S.No	Publication details (Authors, Title of article, Journal, Volume, Issue, Year, Page range of article, URL/DOI)	Date of Publication	Impact Factor	UGC Care List Journal Yes/No	Scopus Indexed Journal Yes/No	ISSN No
1	Sugars in Multicomponent reactions: A toolbox for scaffold and stereochemical diversity; Divya Mathur (corresponding author), Vipin K. Maikhuri, Vineet Verma, Ankita Chaudhary, Rajesh Kumar, Ashok K. Prasad, Synthesis, 2023, 55(7), 1007-1041.	2023	2.5	yes	Yes	
2	Novozyme 435: Perfect catalyst for chemo- and regio-selective synthesis of modified carbohydrates-A Review; Rajesh Kumar, Divya Mathur, Vipin K. Maikhuri, Ashok K. Prasad, Biocatalysis and Biotransformation, 2023, 1-15.	2023	2.3	yes	yes	

3	Bio-genic Synthesis of Calcium coated Zinc oxide Nanoparticles from Beetroot extract and their photodegradation study on Methylene Blue and Rhodamine B, Darshan Singh, Anuradha, Divya Mathur, Surendra kumar, balaram pani, Amar Kumar, Rajni Kanojia and laxman singh, Plant Nano Biology, 2023, vol 4, p.no.100031	2023	1.2	yes	yes	
4	Green synthesis of triazolo-nucleoside conjugates via azide–alkyne C–N bond formation; R Kumar, J Maity, Divya Mathur, A Verma, N Rana, M Kumar, S Kumar, Ashok. K Prasad, Physical Sciences Reviews, 2022, https://doi.org/10.1515/psr-2021-0090	2022	2.300	yes	yes	
5	Biocatalyst-mediated selective acylation and deacylation chemistry on the secondary hydroxyl/amine groups of nucleosides; AM Khan, NK Agnihotri, VK Singh, SC Mohapatra, Divya Mathur, M Kumar, Nucleosides, Nucleotides & Nucleic Acids, 2021, 40, 12, 1220-1236.	2021	1.567	yes	yes	1532-2335
6	Sugarcane bagasse-facilitated benign synthesis of Cu ₂ O nanoparticles and its role in photocatalytic degradation of toxic dyes: a trash to treasure approach; Sushma Yadav, Maruf Chauhan, Divya Mathur , Arti Jain and Priti Malhotra, Environment, Development and Sustainability, 2021, 23, 2, 2071-2091.	2021	3.219	yes	yes	1387585 X
7	Synthesis and Antitubercular Activity of 4,5-Disubstituted N1-(5'-deoxythymidin-5'-yl)-1,2,3-triazoles R Kumar, D Bimal, M Kumar, Divya Mathur , J Maity, SK Singh, M Thirumal Chemistry Select 5 (28), 8839-8845; https://doi.org/10.1002/slct.202001854	2020	2.307	yes	yes	2365-6549
8	Biocatalyst CAL-B Catalyzed Synthesis of Modified Nucleosides: An Overview; Rajesh Kumar, Vijay Kumar, Divya Mathur , Ram Kumar, Arbind Kumar, Ashok K Prasad, Synthetic Communications, 2019, 49, 13, 1659-1678	2019	1.45	Yes	Yes	1532-2432

9	Triphenyl Phosphite-mediated "Green" Synthesis of Novel Carboxycoumarin Amides P K Sharma, D Mathur, S Malhotra, N Rana, B K Singh, A K Prasad, ... Current Green Chemistry 3 (4), 366-373	2016	1.05	yes	yes	2213-3461
10	Biocatalytic Synthesis of Novel Partial Esters of a Bioactive Dihydroxy 4-Methylcoumarin by Rhizopus oryzae Lipase (ROL) V Kumar, D Mathur, S Srivastava, S Malhotra, N Rana, SK Singh, ... Molecules 21 (11), 1499	2016	3.060	yes	yes	1420-3049
11	Synthesis and anti-inflammatory activity evaluation of novel triazolyl-isatin hybrids PK Sharma, S Balwani, D Mathur, S Malhotra, BK Singh, AK Prasad, ... Journal of enzyme inhibition and medicinal chemistry 31 (6), 1520-1526	2016	4.027	yes	yes	1475-6366
12	Structure–activity relationship studies of 4-methylcoumarin derivatives as anticancer agents R Miri, M Nejati, L Saso, F Khakdan, B Parshad, D Mathur, VS Parmar, ... Pharmaceutical biology 54 (1), 105-110	2016	2.917	yes	yes	1744-5116
13	Cu (I)-Catalyzed Efficient Synthesis of 2'-Triazolo-nucleoside Conjugates D Mathur, N Rana, CE Olsen, VS Parmar, AK Prasad Journal of Heterocyclic Chemistry 52 (3), 701-710	2015	1.241	yes	yes	1943-5193
14	Synthesis of Potential Bioactive Novel 7-[2-Hydroxy-3-(1, 2, 3-triazol-1-yl)propyloxy]-3-alkyl-4-methylcoumarins A Arya, V Kumar, D Mathur, S Singh, R Brahma, R Singh, S Singh, ... Journal of Heterocyclic Chemistry 52 (1), 1-14	2015	1.241	yes	yes	1943-5193
15	Novel approach to 3, 3-dimethyl-4-morpholino-3, 4-dihydrocoumarins via hetero-Diels–Alder reaction D Mathur, AK Prasad, TS Cameron, A Jha Tetrahedron 70 (35), 5608-5618	2014	2.745	yes	yes	0040-4020

16	Effect of acyl chain length on selective biocatalytic deacylation on O-aryl glycosides and separation of anomers N Aggarwal, A Arya, D Mathur, S Singh, A Tyagi, R Kumar, N Rana, ... Bioorganic Chemistry 53, 83-91	2014	3.926	yes	yes	0045-2068
17	Chemoenzymatic synthesis of 3'-deoxy-3'-(4-substituted-triazol-1-yl)-5-methyluridine A Arya, D Mathur, A Tyagi, R Kumar, V Kumar, CE Olsen, RK Saxena, ... Nucleosides, Nucleotides and Nucleic Acids 32 (12), 646-659	2013	1.567	yes	yes	1532-2335
18	Biocatalytic route to sugar-PEG-based polymers for drug delivery applications S Bhatia, A Mohr, Divya Mathur , VS Parmar, R Haag, AK Prasad Biomacromolecules 12 (10), 3487-3498;	2011	6.967	yes	yes	1526-4602
19	Potent inhibition of pandemic influenza H1N1 (2009) virus propagation by novel chemically synthesized compounds M Khanna, R Rajput, P Kumar, D Sharma, D Mathur, A Prasad Influenza and Other Respiratory Viruses 5, 96-99	2011	3.094	yes	yes	1750-2659
20	Novel Chemical Compounds as Potential Blockers to the Swine-Origin Influenza A H1N1 (2009) Virus Replication R Rajput, P Kumar, B Kumar, M Khanna, D Sharma, D Mathur, AK Prasad Antiviral Research 2 (90), A39	2011	4.909	yes	yes	0166-3542

National

S.No	Publication details (Authors, Title of article, Journal, Volume, Issue, Year, Page range of article, URL/DOI)	Date of Publication	Impact Factor	UGC Care List Journal Yes/No	Scopus Indexed Journal Yes/No	ISSN No
21	Chemistry for harmonious development and a sustainable future A Goswami, D Mathur , Current Science, 112, 9, 1805	2017	0.85	yes	yes	00113891
22	Diastereoselective acetylation studies on 4-C-hydroxymethyl-1, 2-O-	2011		yes	yes	

	isopropylidene-3-O-alkyl- β -l-threo-pentofuranose: Key precursor for biocompatible sugar-PEG copolymers D Mathur , K Bohra, S Bhatia, M Kumar, P Verma, RK Saxena, VS Parmar, ... Trends Carbohydr. Res 3, 42-50					
23	Chemoenzymatic Modifications on D-Glucose: Towards Synthesis of Bicyclonucleosides of Therapeutic Importance RK Sharma, D Mathur , S Singh, VS Parmar, AK Prasad, ... Trends in Carbohydrate Research, 2010, 2, 1-9	2010		yes	yes	09750304

Conference Proceedings publication

S.No	Details (Authors, Book title, Article title, Year, page range of article)	Date of Publication (DDMMYY)	Name of conference	Venue of conference	ISBN No
1	Recent Progress in the Chemistry of Tri-Substituted Triazole via [3+2] Cycloaddition of Azide and Double Bond: An Overview; Rajesh Kumar, Manish Kumar, Vipin K. Maikhuri, Ashok K. Prasad and Divya Mathur, Chapter in Green Chemistry and Environmental Sustainability, published by Springer	2018	ICGC-2016	Daulat Ram College	978-981-10-8389-1
2	Recent Advances in Triazolyl Nucleosides; Smriti Srivastava, Vipin K. Maikhuri, Divya Mathur and Ashok K. Prasad, Chapter in Green Chemistry and Environmental Sustainability, published by Springer	2018	ICGC-2016	Daulat Ram College	978-981-10-8389-1

3	Exploring New Dimensions of Polyvinyl-alcohol (PVA); Priti Malhotra and Divya Mathur; Conference Proceedings of the National Conference on Innovations in Sciences and Emerging Challenges in Health and Environment, Page 40-46, 2018	2018	NSHE-2018	Daulat Ram College	9788192981246
4	Biogenic Synthesis of Iron Nanoparticles and their Applications; Divya Mathur, Priti Malhotra, Maruf Chauhan and Sushma Yadav; Conference Proceedings of the National Conference on Innovations in Sciences and Emerging Challenges in Health and Environment, Page 78-85, 2018	2018	NSHE-2018	Daulat Ram College	9788192981246
5	Chemical Weapons Convention; Arkaja Goswami and Divya Mathur; Conference Proceedings of the UGC-sponsored National Conference in Chemistry: Environment and Harmonious Development organized by Shyam Lal College, University of Delhi, Page 25-26, 2016	2016	NCC-2016	Shyam Lal College	9789385824012

Conference Attended and Paper presentation

S.No	Type of Event	Name of Event	Venue of conference	Date of conference (Start date – End Date)	Attended	paper presented	No of papers presented
1.	E-Faculty Development Programme	Empowering Teaching-Learning Process using Google Classroom and other ICT Tools: A comprehensive Practical approach	Department Of Commerce, Daulat Ram College, University Of Delhi	21-7-2020 to 23-7-2020	attended	-	-
2.	E-Faculty Development	Twelve days faculty development	A.N College, Patna in	22-5-2020 to 2-6-2020	attended	-	-

	Programme	program on SCILAB (Scientific laboratories)	collaboration with IIT Bombay				
3	National conference	2nd National Conference on emerging trends and future challenges in chemicals sciences	Kirori Mal college, Dehi University	10-1-2020 to 11-1-2020	presented	Poster presentation	1
4	Two-day workshop	Science lens of scientific and technical terminology	Shyam Lal College,DU	29-1-2020 to 30-1-2020	attended	-	-
5	National Conference	Quality advancements in teaching and learning towards academic excellence	Shyam Lal College,DU	2-8-2019 to 3-8-2019	presented	Oral presentation	1
6	National Conference	Emerging Challenges of environmental health, society and policies	Rajdhani College, DU	15-2-2019 to 16-2-2019	attended	-	-
7	Workshop	Research based pedagogical tools for science teachers	Daulat Ram College	25-3-2019 to 27-3-2019	attended	-	-
8	Workshop	Developing Self Positive: utilizing one's strengths to strengthen others	Daulat Ram College	31-5-2019	attended	-	-
9	National Conference	Innovation in Sciences and Emerging Challenges in Health and Environment	Daulat Ram College	20-3-2018	presented	Poster presentation	1
10	Faculty Development Program	Chemistry of Life to Chemistry of Diseases: Understanding Clinical Biochemistry	Daulat Ram College, University of Delhi	15 June to 22 June 2017.	attended	-	-
11	International Conference	World Congress on Modern Research in Envirotech, cleantech, greentech, nanotech and water resources for global sustainability (Earth Summit 2017)	Krishi Sanskriti and Dr G C Mishra Educational Foundation	5-6-2017	presented	Oral presentation	1

Resource Person (Conference/seminar/ workshop/training programme/ educational trips)

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	Skill enhancement Programme	Basics of chemistry, nature of chemicals, types of apparatus and weighing concept	Online	7-07-21 to 13-07-21	Resource person	1 week	
2	Skill development Programme	Enhancing learning through ICT tools	Online	17-12-20 to 19-12-20	Resource person	1 day	
3	Skill development Programme	Enhancing learning through ICT tools	Online	17-08-20 to 19-08-20	Resource person	1 day	
4	Summer Internship Programme	Research Methodology for Chemistry	Online	16-05-20 to 30-05-20	Resource person	3 hours	
5	Skill development Programme	Exploring Chemicals in Natural Products	Daulat Ram College	04-07-19 to 10-07-19	Resource person	4 hours	
6	Skill development Programme	Exploring everyday Chemistry	Daulat Ram College	21-12-18 to 29-12-18	Resource person	4 hours	
7	Science Camp (DST)	INSPIRE-DST	Daulat Ram College	17-12-18 to 21-12-18	Member of organizing committee	5 days	
8	Skill development Programme	Chemistry at the helm of essential oils, cosmetics	Daulat Ram College	28-05-18 to 11-06-18	Resource Person	4 hours	
9	National Conference	Innovation in Sciences and Emerging Challenges in Health and Environment	Daulat Ram College	20-03-18	Co-Convenor	1 day	

10	Workshop	Digital Marketing Workshop	Placem ent Cell, Daulat Ram College, Universi ty of Delhi	29-5-2018 to 30-5-2018	Co-convenor	2 days	
11	Skill development Programme	Instrumentation , Clinical Analytical and Computational Chemistry	Daulat Ram College	31-05-17 To 13-06-17	Resource Person	4 hours	
12	Faculty Development Program	Chemistry of Life to Chemistry of Diseases: Understanding Clinical Biochemistry	Daulat Ram College, Universi ty of Delhi	15 June to 22 June 2017.	Coordinator	7 days	

Awards Won

S.No	Name of Award	Awarding Agency	Government/ NGO/ International/ Private	Recognition area	Date of award (DDMMYY)	Type of Honor received
1	Canadian Commonwealth Research Scholarship	Government of Canada	International/ Government	Research	2011-09-15	International
2	Erasmus Mundus Postdoctoral Scholarship	European Union	International/ Government	Research	2013-09-02	International
3	SERB-DST National Postdoctoral Fellowship	Department of Science and Technology, Government of India	Government of India	Research	2016-04-19	International
4	Excellence in Carbohydrate Research Award 2011 for Best paper	Association of Carbohydrate Chemists and Technologists	Private	Research	2012-12-13	National

Extension Activity(Community related program)

S.No	Type of Activity	Centre and Venue	Title of Event	Role in the event	Date/period of Event (DDMMYY)	No of members of the community/students /Faculty benefitted

Membership of Professional Bodies

S.No	Type of Membership	Organisation	Year of Membership(Start Date)