

Name	<b>Dr Divya Mathur</b>	
Designation	<b>Assistant Professor</b>	
Department	<b>Chemistry</b>	
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	Jan 2019 to Present	Adhoc

2	Assistant Professor	Daulat Ram College, University of Delhi	July 2018 to Jan 2019	Guest
3	Assistant Professor	Daulat Ram College, University of Delhi	Aug 2016 to July 2018	Adhoc
4	Assistant Professor	Shyam Lal College, University of Delhi	Jan 2016 to April 2016	Adhoc
5	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-present	1 Year
Daulat Ram College	Assistant Professor	Member of Disaster Management committee	July 2021-present	1 Year
Daulat Ram College	Assistant Professor	Member of Life Sciences Association	July 2021-present	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-Present	More than 2 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
1	B.Sc (Hons ) Chemistry	Organic Chemistry, Green Chemistry	IV, VI	2015-2018

2	B.Sc Life Sciences	Core Chemistry courses, Skill Enhancement Courses, DSE courses	III, IV, V, VI	2015-2020
3	B.Sc (Hons) Botany, Zoology, Biochemistry, Maths, Physics	Generic Elective courses	I, II, III, IV	2015-2020
4.	B.A Prog History, B.Com (Hons), B.Com (Prog), B.Sc Life Sciences and B.Sc (Hons) Chemistry	Environmental Studies	I, II	2015-2020

#### Research Guidance

NA

Name of student	Gender	Degree for which guidance given	Date of Registration	Supervisor/ Co-supervisor	University	Title of Thesis	Date of submission of thesis	Date of Award of Degree

#### Research Projects ongoing 2018-20

NA

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

#### Research projects Completed 2018-20

NA

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

**Details of refresher/orientation course/research methodology/workshop/syllabus up-gradation/teaching –learning-evaluation/technology programmes/Faculty Development Programme**

S.No	Details	Place	Period		Year	Sponsoring/Organising Agency
			From	To		
1.	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	23-7- 2020	2020	Daulat Ram College, University Of Delhi
2	Twelve days faculty development program on SCILAB (Scientific laboratories)	A.N College, Patna in collaboration with IIT Bombay	22-5-2020	2-6-2020	2020	MHRD
3	Science lens of scientific and technical terminology	Shyam Lal College,DU	29-1-2020	30-1-2020		MHRD
4	Research based pedagogical tools for science teachers	Daulat Ram College	25-3-2019	27-3-2019		
5	Developing Self Positive: utilizing one's strengths to strengthen others	Daulat Ram College	31-5-2019			
6	Chemistry of Life to Chemistry of Diseases: Understanding	Daulat Ram College	15-06-2017	22-06-2017		DBT

	Clinical Biochemistry					
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**Organising seminars/ conferences/workshops, other college/university activities.**

S.No	Details	Place	Period		Year	Sponsoring/Organising Agency
			From	To		
1	National Symposium: Translation in India	Daulat Ram College, University Of Delhi	8-09-2021		2021	Daulat Ram College, University Of Delhi
2	SDP: Basics of chemistry, nature of chemicals, types of apparatus and weighing concept	Daulat Ram College, University Of Delhi	7-07-21	13-07-21	2020	Daulat Ram College, University Of Delhi
3	SDP: Enhancing learning through ICT tools	Daulat Ram College, University Of Delhi	17-12-20	19-12-20	2020	Daulat Ram College, University Of Delhi
4	SDP: Enhancing learning through ICT tools	Daulat Ram College, University Of Delhi	17-08-20	19-08-20	2020	Daulat Ram College, University Of Delhi
5	SDP: Research Methodology for Chemistry	Daulat Ram College, University Of Delhi	16-05-20	30-05-20	2020	Daulat Ram College, University Of Delhi
6	SDP: Exploring Chemicals in Natural Products	Daulat Ram College, University Of Delhi	04-07-19	10-07-19	2019	Daulat Ram College, University Of Delhi
7	SDP: Exploring everyday Chemistry	Daulat Ram College, University Of Delhi	21-12-18	29-12-18	2018	Daulat Ram College, University Of Delhi
8	INSPIRE-DST Science Camp	Daulat Ram College, University Of Delhi	17-12-18	21-12-18	2018	Daulat Ram College, University Of Delhi
9	SDP: Chemistry at the helm of	Daulat Ram College,	28-05-18	11-06-18	2018	Daulat Ram College, University

	essential oils, cosmetics	University Of Delhi				Of Delhi
10	National Conference Innovation in Sciences and Emerging Challenges in Health and Environment	Daulat Ram College, University Of Delhi	20-03-18		2018	Daulat Ram College, University Of Delhi
11	Digital Marketing Workshop	Daulat Ram College, University Of Delhi	29-5-2018	30-5-2018	2018	Daulat Ram College, University Of Delhi
12	SDP: Instrumentation, Clinical Analytical and Computational Chemistry	Daulat Ram College, University Of Delhi	31-05-17	13-06-17	2017	Daulat Ram College, University Of Delhi
13	FDP: Chemistry of Life to Chemistry of Diseases: Understanding Clinical Biochemistry	Daulat Ram College, University Of Delhi	15-06-2017	22-06-17	2017	Daulat Ram College, University Of Delhi

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	Edited	978-981-10-8389-1

			2016		
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	Synthesis and Antitubercular Activity of 4,5-Disubstituted N1-(5'-deoxythymidin-5'-yl)-1,2,3-triazoles R Kumar, D Bimal, M Kumar, <b>Divya Mathur</b> , J Maity, SK Singh, M Thirumal Chemistry Select 5 (28), 8839-8845; <a href="https://doi.org/10.1002/slct.202001854">https://doi.org/10.1002/slct.202001854</a>	2020	1.811	yes	yes	2365-6549
2	Sugarcane bagasse-facilitated benign synthesis of Cu <sub>2</sub> O nanoparticles and its role in photocatalytic degradation of toxic dyes: a trash to treasure	2020	1.930	yes	yes	1387585X

	approach; Sushma Yadav, Maruf Chauhan, <b>Divya Mathur</b> , Arti Jain & Priti Malhotra, Environment, Development and Sustainability (2020); <a href="https://doi.org/10.1007/s10668-020-00664-7">https://doi.org/10.1007/s10668-020-00664-7</a>					
3	Biocatalyst CAL-B Catalyzed Synthesis of Modified Nucleosides: An Overview; Rajesh Kumar, Vijay Kumar, <b>Divya Mathur</b> , Ram Kumar, Arbind Kumar, Ashok K Prasad, Synthetic Communications, 2019, 49, 13, 1659-1678	2019	1.45	Yes	Yes	1532-2432
4	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
5	Biocatalytic Synthesis of Novel Partial Esters of a Bioactive Dihydroxy 4-Methylcoumarin by <i>Rhizopus oryzae</i> 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
6	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
7	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	1.251	yes	yes	1744-5116
8	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
9	Synthesis of Potential Bioactive Novel 7-[2-Hydroxy-3-(1, 2, 3-triazol-1-yl)]	2015	1.241	yes	yes	1943-5193



	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					
10	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
11	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
12	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	1.267	yes	yes	1532- 2335
13	Biocatalytic route to sugar-PEG-based polymers for drug delivery applications S Bhatia, A Mohr, <b>Divya Mathur</b> , VS Parmar, R Haag, AK Prasad Biomacromolecules 12 (10), 3487-3498;	2011	5.667	yes	yes	1526- 4602
14	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
15	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,	Date of Publication	Impact Factor	UGC Care List	Scopus Inexed	ISSN No
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	Volume, Issue, Year, Page range of article, URL/DOI)			Journal Yes/No	Journal Yes/No	
1	Chemistry for harmonious development and a sustainable future A Goswami, <b>D Mathur</b> , Current Science, 112, 9, 1805	2017	0.85	yes	yes	00113891
2	Diastereoselective acetylation studies on 4-C-hydroxymethyl-1, 2-O-isopropylidene-3-O-alkyl- $\beta$ -l-threo-pentofuranose: Key precursor for biocompatible sugar-PEG copolymers <b>D Mathur</b> , K Bohra, S Bhatia, M Kumar, P Verma, RK Saxena, VS Parmar, ... Trends Carbohydr. Res 3, 42-50	2011		yes	yes	
3	Chemoenzymatic Modifications on D-Glucose: Towards Synthesis of Bicyclonucleosides of Therapeutic Importance RK Sharma, <b>D Mathur</b> , 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	2018	ICGC-2016	Daulat	978-981-10-

	Nucleosides; Smriti Srivastava, Vipin K. Maikhuri, Divya Mathur and Ashok K. Prasad, Chapter in Green Chemistry and Environmental Sustainability, published by Springer			Ram College	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	Department Of Commerce,	21-7-2020 to 23-7-2020	attended	-	-

		Classroom and other ICT Tools: A comprehensive Practical approach	Daulat Ram College, University Of Delhi				
2.	E-Faculty Development Programme	Twelve days faculty development program on SCILAB (Scientific laboratories)	A.N College, Patna in collaboration with IIT Bombay	22-5-2020 to 2-6-2020	attended	-	-
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,	Krishi Sanskriti and Dr G C Mishra	5-6-2017	presented	Oral presentation	1

		cleantech, greentech, nanotech and water resources for global sustainability (Earth Summit 2017)	Educational Foundation				
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**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, University 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, University 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	Association	Private	Research	2012-12-13	National

	Carbohydrate Research Award 2011 for Best paper	of Carbohydrate Chemists and Technologists				
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**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 )