




FACULTY DETAILS

Name	Dr. Meenakshi Sharma Ph.D	
Designation	Assistant Professor (TIC)	
College/Department	Daulat Ram College Botany and life sciences	
E-mail	daulatramcollege@dr.du.ac.in	
Address	Dwaraka, Delhi-110075	

Educational Qualification: B.Sc., M. Sc., M. Phil., Ph. D., PDF

Degree	Institution	Year
Bachelor of Science (Life Sciences)	CCS University, Meerut	1999
Masters in science (Botany)	CCS University, Meerut	2001
Masters in philosophy (Plant Microbiology and Biotechnology)	Department of Botany, University of Delhi.	2003
Doctorate in Philosophy (Environmental Microbiology and Biotechnology)	Department of Environmental Studies, University of Delhi	2010
Post-Doctoral Fellow (Environmental Microbiology and Biotechnology)	Institute of Genomics & Integrative Biology, Council of Scientific and Industrial Research, Delhi	2011-2012

Full time Teaching Experience

S.no	Designation	Institution	Time Period	Nature of Appointment
1	Assistant Professor	Daulat Ram College, University of Delhi	January 2023-Till date	Permanent
2	Assistant Professor	Daulat Ram College, University of Delhi	23 rd July 2012- 20 th January 2023	Ad-hoc
3	Assistant Professor	ANDC, University of Delhi	01/02/2012 (6 Month)	Ad-hoc
4	Assistant Professor	Miranda House College, University of Delhi	01/01/2012	Ad-hoc

NEP course content Project (Theory & Practical):

- Work as a course committee core team member for the preparation of DSC/SEC/GE paper for B.Sc. Botany Hons, 4 years full-time undergraduate course (2022)
- Core Team member of Bioinformatics, Biostatistics & Molecular Biology papers (**syllabus up-gradation**) for B.Sc. Botany Hons 2019-2024

Examination and evaluation duties assigned by the college / university or attending the examination paper evaluation/ teaching – learning-evaluation/technology program

Internal and External Practical Examinership:

Areas of Interest in Teaching:

Cell Biology, Fundamentals of Molecular Biology, Biochemistry, Bioinformatics, Biostatistics, Genetics and Genomics, Industrial and Environmental Microbiology, Analytical Techniques in Plant Sciences, Biofuels, Microbial Diversity and Ecosystem restoration.

Administrative Assignments as Convener, Co-Convener or Member:

Name of Institute	Society/Cell/Committees	Designation	Time period	Experience (year)
Daulat Ram College, University of Delhi	TIC/ TPC/ Admission/ Orientation Team/ Purchase/ Time Table/ Garden/Web-site	Member	2024-2025	1
Daulat Ram College, University of Delhi	Library Committee	Co-Convener (Science Section)	2022-2024	2
Daulat Ram College, University of Delhi	College Website Core Team	Member	2022-2025	3
Daulat Ram College, University of Delhi	Botanical Society Vasundhara (Photography and Poster Making)	Jury Member	2022-2024	2
Daulat Ram College, University of Delhi	Film and Photography Society (5 events organised)	Co-Convener	2022-2023	1
Daulat Ram College, University of Delhi	Film and Photography Society(9 Event Organised)	Convener	2023-2024	1
Daulat Ram College, University of Delhi	Film and Photography Society (5 events organised) 1: IZHAR (Film Festival) (26-28 February, 2: Nature Photography 3: Street Photography 4: Video and Film Making Workshop 5: Photo exhibition in NAAC visit (18-19 March, 2024)	Convener	2023-2024	1
Daulat Ram College, University of Delhi	TPC Member Botany TPC Sub Committee (College Register, mentor mentee diary, prospectus cover page)	Member Core Team	2023-2024	1
Daulat Ram College, University of Delhi	Viksit Bharat@2047 DRC Viksit Bharat Ambassador Club	Core Team member	2023-Till Date	1
Daulat Ram College, University of Delhi	Botanical Society Vasundhara	Jury Member	2019-2021	1
Daulat Ram College, University of Delhi	WDC	Jury Member	2020	1
Maitreyi College, University of Delhi	Fine Art Society	Jury Member	2020	1
Maitreyi College, University of Delhi	Fine Art Society and Video making	Jury Member	2021	1
Daulat Ram College, University of Delhi	Botanical Society Vasundhara	Convener and Staff advisor	2019-2021	2
Daulat Ram college, University of Delhi	Placement Cell	Co-Convener	2018-2020	2
Daulat Ram College, University of Delhi	Eco-Club Society	Member/ Jury Member	2018-2021	2
Daulat Ram College, University of Delhi	Student advisory Board (SAB)	Team Member	2016-2017	1
Daulat Ram College, University of Delhi	Film and Photography Society	Core Team Member	2015-2019	5
Daulat Ram College, University of Delhi	Fine Art Society	Member	2013-2015	2
Daulat Ram College, University of Delhi	NAAC team Work at Botany Department	Member	2016-till date	-
Daulat Ram College, University of Delhi	Film and Photography Society Cinemistral (Film Festival)	Co-Convener	16 th Sep, 2022	1

Research Guidance

- 1: Guided one student for their M.Sc. Dissertation **2010,in IGIB-CSIR**
- 2: Guided six graduate Students of B.Sc. IIIH (2022-2023) for their Project on Stress Biology and Biotechnology.

Subjects Taught

S.No	Course	Subject Taught	Semester	Year
1.	B.Sc. (H) Botany III year	Analytical Techniques, Bioinformatics, Biostatistics, Industrial and Environmental Microbiology, Plant Biotechnology, Recombinant DNA Technology	V, VI	2012-till date
2.	B.Sc. (H) Botany II year	Molecular Biology of the Cell, Genetics and Genomics	III, IV	2012-till date
3	B.Sc. (H) Botany	Cell Biology, Microbial Biodiversity	I,	2012-till date

	1 year			
4.	B.Sc. Life Sciences	Genetics and Genomics, Bioinformatics	V, VI	2012 till date
5.	B.Sc. Biochemistry+ Zoology+ Life Science	Environmental Studies	II	2014, 2016, 2018, 2021-2025

PATENT: A Method of Preparing Light sequence from Microscopy to Transcriptomics 27/1/2023: NO: 202321002960

RESEARCH PUBLICATIONS:

INTERNATIONAL:

S.No	Title of the paper	Journal Name	Year	Impact Factor	UGC Care List Journal Yes/No	Scopus Indexed Journal Yes/No	ISSN No	Citation
1	Respiratory Quinone Switches from Menaquinone to Polyketide Quinone during the Development Cycle in <i>Streptomyces</i> sp. Strain MNU77	"Microbiology Spectrum" ASM	2023	10.02	Yes	Yes	2165-0497	5
2	" <i>Pseudomonas</i> sp. A promising biocontrol agent against selected phytopathogens"	Journal of Mountain Research	2023	1.02	Yes	-	2582-5011	-
3.	Rhizosphere provides a new paradigm on the prevalence of lysogeny in the environment	Soil and Tillage Research	2019	8.01	yes	yes	104368	30
4	How enzymes are adsorbed on soil solid phase and factors limiting its activity: A Review.	International Agrophysics	2017	3.412	yes	yes	2300- 8725	70
5	"Impact of Microbial Diversity on Environmental Stability"	Green Chemistry Springer	2016	-	no	no	978-9811083891.	8
6	Increased iron stress resilience of maize through inoculation of siderophore producing <i>Arthrobacter globiformis</i> from mine.	Journal of Basic Microbiology	2015	5.01	yes	yes	1521-4028	40
7	Functionally diverse rhizobacteria of <i>Saccharum munja</i> (a native wild grass) Colonizing abandoned morrum mine in Aravalli hills (Delhi).	Plant and Soil	2011	5.88	Yes	Yes	0032-079	48
8	Screening of a soil bacterium for biological control of pathogenic fungi	Journal of Plant Development sciences	2010	0.8	yes	yes	0974-6382	2
9	Evaluation of functional diversity in rhizobacterial taxa of a wild grass (<i>Saccharum ravennae</i>) colonizing abandoned fly ash dumps of Delhi urban Ecosystem.	Soil biology and Biochemistry	2009	9.011	yes	yes	0038-0717	83
10	Unexplored ecological significance of <i>Saccharum munja</i>	IUCN	2005	1.5	yes	yes	1016-927X	5

BOOKS EDITOR:

S. No	Editors	Title of the Book	Publisher	Year	ISBN No
1	Rahul Datta, Meenakshi Sharma & Sachidanand Singh	MicroRNA Advances and Application in Plant Biology	Elsevier Academic Press https://www.elsevier.com/books-and-journals	2025	ISBN: 978-0-443-21682-4

Book Chapters published:

S. No	Author	Name of the paper	Book Title	Publisher	Year	Author	ISBN No
1	Meenakshi Sharma , Rahul Datta, Sachidanand Singh, Anita Garg Mangla and Rajpal Srivastav	Plant microRNAs: An overview	MicroRNA Advances and Application in Plant Biology	Elsevier	2025	Author	ISBN: 978-0-443-21682-4
2	Chanchal Kumari, Indu Malik, Neha Shekhawat, Meenakshi Sharma , Riddhima Singh and Neha Gochhwal	MicroRNAs in dicot plant like Arabidopsis	MicroRNA Advances and Application in Plant Biology	Elsevier	2025	Co-Author	ISBN: 978-0-443-21682-4
3	Pawan Kumar, Meenakshi Sharma , Kumar Shantanu, Sanavar Soham and Anita Garg Mangla	Role of microRNA in plant defense	MicroRNA Advances and Application in Plant Biology	Elsevier	2025	Co-Author	ISBN: 978-0-443-21682-4
4	Arathi Radhakrishnan, Mehak Manchanda, Ranjane Chattoopadhyay, Meenakshi Sharma , Rajpal Srivastav	MicroRNA tools for gene silencing	MicroRNA Advances and Application in Plant Biology	Elsevier	2025	Co-Author	ISBN: 978-0-443-21682-4
5	Meenakshi Sharma , Rahul Datta, Vivek Kumar Kedia and Martin Brtnicky	Microbial Potential for Carbon Fixation and Stabilization	Soil Carbon Stabilization to Mitigate Climate Change	Springer Nature	2021	Author	978-981-33-6764-7
6	Jitka Prichystalova, Jiri Holatko, Tereza Hammerschmidt, Rahul Datta, Meenakshi Sharma , Martin Brtnicky	Biochar Role in Soil Carbon Stabilization and Crop Productivity	Soil Carbon Stabilization to Mitigate Climate Change	Springer Nature	2021	Co-Author	978-981-33-6765-4
7	Vibha Gulyani Checker and Meenakshi Sharma	Molecular Signaling during Insect Plant Interaction	Plant-Pest Interactions: From Molecular Mechanisms to Chemical Ecology	Springer Nature	2020	Co-Author	978-981-15-2466-0

Conference Proceedings and Magazine publications:

S.no	Title of the Paper	Year of Publication	Name of conference	Venue of conference	ISBN No
1.	Microbial Factories for Sustainable Biofuel Production and Climate Change"	May 2023	International Conference on Environmental, Agricultural, Chemical and Biological Science.	Somnogen Canada Inc, United Nations-SDGS All India Institute of Training and Education-India	Journal of Environmental and Applied Bioresearch-23198745
2.	Impact of Soil Pollution on Crop Production and Human Health	March, 2023	LINA MAGAZINE	Botany Department	978-93-92603-05-1
3	Microbial Based Biofuels	2019	Environment and Sustainable Development-New Perspectives	DRC, University of Delhi	ISBN: 978-81-937466-2-2
4	Earth Bio-genome Project	2019	Environment and Sustainable Development-New Perspectives	DRC, University of Delhi	ISBN: 978-81-937466-2-2
5	Botanical Gardens: Road leading to Conservation, Research and Public Awareness	2019	Environment and Sustainable Development-New Perspectives	DRC, University of Delhi	ISBN: 978-81-937466-2-2
6	Hindon Once A Lifeline, Now A Dead River: A Mini Review"	2018	Innovations in science in Emerging Challenges in Health and Environment	University of Delhi	9788192981246.
7	Role of microbes in pollution control and agriculture	2017	Environmental concerns of 21 st century: India and Global Context	University of Delhi	978-93-83281-65-7
8	Air Pollution and Life in Delhi City	2016	National Seminar on Water and Air Quality in Urban Ecosystem	University of Delhi	-

ARTICLE PRINTED IN MANUALS/ MAGAZINE:

1. **Meenakshi Sharma** and Nidhi Gautam (2018). Published article on “**Hindon River**” in Botanical Society Magazine LIANA of Department of Botany. Daulat Ram College. University of Delhi. 2017-2018.
2. **Meenakshi Sharma** (2017). Two articles were published on food adulteration in workshop manual “**Food adulteration and security**” organized by Department of Botany. Daulat Ram College. University of Delhi. From 3rd to 14th July, 2017.
3. **Meenakshi Sharma** and N. Gautam. (2015). Published article on “**Role of PGPR in Cultivation and Conservation of Medicinal Plants**” published in a workshop manual “**Micropropagation and Conservation of Medicinal Plants**” at Department of Botany, Daulat Ram College, University of Delhi from September 28 to October 01, 2015.
4. **Meenakshi Sharma** (2013). Published article on “**Biosynthesis of antibiotic in root-colonizing bacillus spp. and biocontrol activity against different plant pathogenic fungi**” in National conference on “Advances in Environmental Sciences and Plant Biotechnology” organized by department of Botany, Deen Dayal Upadhaya College, University of Delhi. 4-5th February 2013.

PRACTICAL MANUALS AND MAGAZINES (AUTHOR OR EDITOR) :

1. **Author** of the E- manual “**Basics of Online Class tools**” for graduate and post graduate students 2020 and 2021.
2. **Author** of the Practical manual “**Basics of Bioinformatics: Theory & Practice**” for the graduate, post graduate and research students 2019.
3. Editor of “**LIANA**” 2017 and 2019-2020, magazine released by Vasundhara, The Botanical Society of Daulat Ram College, University of Delhi.
4. **Editor** of SDP manual “Food adulteration and security” organised by Department of Botany Daulat Ram College 3rd-14th July 2017 University of Delhi.

Details of refresher/orientation course / Faculty Induction Programme (FIP) Resource Person/ Convenor/ Member organizing committee/ Participant

S. No	Details	Place	Date	Year	State your role:	Sponsoring/Organising Agency
1	One Month-A National Faculty Induction Programme (FIP)/Orientation Course	Guru Angad Dev Teaching Learning Centre, a centre under PMMMNMTT, MoE, Government of India	20 th June-19 th July	2023	Organizing Team Member	Guru Angad Dev Teaching Learning Centre, a centre under PMMMNMTT, MoE, Government of India
2	National Faculty Induction Programme (FIP) IMPORTANCE AND APPLYING OF EXCEL SKILLS IN EDUCATION AND RESEARCH	Daulat Ram College. University of Delhi	19 th -21 st July,	2023	Resource person	IQAC Daulat Ram College University of Delhi
3	National Faculty Induction Programme (FIP)	Guru Angad Dev Teaching Learning Centre, a centre under PMMMNMTT, MoE, Government of India	25 th Feb-27 th March	2023	Participant With Grade A	Jointly organized by Daulat Ram College, University of Delhi and Guru Angad Dev Teaching Learning Center, SGTB Khalsa College, University of Delhi under the Pandit Madan Mohan Malviya National Mission on Teachers and Teaching (PMMMNMTT) of Ministry of Education.
4	Two-Week Refresher Course (RC) “ADVANCED RESEARCH METHODOLOGY”	Teaching Learning Centre Ramanujan College, University of Delhi	22 May – 05 June,	2023	Participant With Grade A+	Teaching Learning Centre Ramanujan College, University of Delhi (Accredited Grade 'A++' by NAAC) under the aegis of MINISTRY OF EDUCATION PANDIT MADAN MOHAN MALAVIYA NATIONAL MISSION ON TEACHERS AND TEACHING

5	Two-Week Refresher Course (RC) "Managing Online Classes & Co-creating MOOCs 27.0"	Teaching Learning Centre Ramanujan College, University of Delhi	06 – 20 June,	2023	Participant With Grade A+	Teaching Learning Centre Ramanujan College, University of Delhi (Accredited Grade 'A++' by NAAC) under the aegis of MINISTRY OF EDUCATION PANDIT MADAN MOHAN MALAVIYA NATIONAL MISSION ON TEACHERS AND TEACHING
6	Orientation Programme for Faculty (OP)	Teaching Learning Centre, Ramanujan College University of Delhi	26 th June-24 th July	2020	Participant With Grade A+	Teaching Learning Centre, Ramanujan College Ministry of Human Resource Development Pandit Madan Mohan Malaviya National Mission on Teachers and Teaching

Details of Faculty Development Programme (FDP) Resource Person/ Convenor/ Member organizing committee /Participant

S · N o ·	Details	Place	Date	Year	State your role:	Sponsoring/Organising Agency
1	International Faculty Development Programme (FDP) "Blended and Online Teaching-Learning"	NPTC, UK Award, Guru Angad Dev Teaching Learning Centre, a centre under PMMMNMTT, MoE, Government of India	30th March to 5th April 2023.	2023	Participant	NPTC, UK Award, Guru Angad Dev Teaching Learning Centre, a centre under PMMMNMTT, MoE, Government of India
2	Interdisciplinary Faculty Development Programme	Mahatma Hansraj Faculty Development Centre A Centre of MoE, Govt. of India Under Pandit Madan Mohan Malaviya National Mission on Teachers and Teaching (PMMMNMTT)	April 4th – 8th, April	2022	Participant	Miranda House, University of Delhi in collaboration with Mahatma Hansraj Faculty Development Centre Hansraj College, University of Delhi
4	Faculty Development Programme (FDP) and Hands-on-session on "Computational Approach to Molecular Docking and Drug Designing and its Scope in the Entrepreneurial World",	Department of Biotechnology, Haldia, West Bengal, India.	25 th - 29 th July	2022	Participant	Department of Biotechnology, Haldia Institute of Technology (HIT), I.C.A.R.E Complex, Haldia-721657, West Bengal, India.
5	One week (Online) Faculty Development Programme (FDP) on 'Computational Approach to Drug Discovery	Center for Bioinformatics, Computational and Systems Biology, Deshbandhu College,	02 nd - August-07 th August	2021	Participant	Mahatma Hansraj Faculty Development Centre, A Centre of MoE, Govt. of India Under Pandit Madan Mohan Malaviya National Mission on Teachers and Teaching (PMMMNMTT) Hansraj College, University of Delhi
6	FDP on "Cutting Edge Technological Development in information and Communication Engineering"	Institute of Engineering and Technology, Telangana	22 nd -26 th June	2020	Participant	Institute of Engineering and Technology, Telangana
7	Faculty Development Programme	Impowering Teaching-Learning Process using ICT tools	21 st July-	23 rd July, 2020	Participant	Department of Commerce Daulat Ram College, University of Delhi
8	Faculty Development Programme	Research Issues in Renewable Energy Technologies"	29 th June	1 st July, 2020	Participant	Kongo Engineering College, Madras.

9	Faculty Development Programme (Under IQAC)	Industrial and Environmental Microbiology	19 th	-20 th March, 2018	Organizing Member	Department of Botany Daulat Ram College, University of Delhi
10	Faculty Development Programme (Under IQAC)	From chemistry of life to chemistry of disease: Understanding Clinical Biochemistry UCB-17"	15 th June-	22 nd June, 2017	Participant	Department of Chemistry, Daulat Ram College, University of Delhi

Details of The Workshops Resource Person/ Convenor/ Member organizing committee/ Participant

S. No	Details	Place	Period		Year	State your role:	Sponsoring/Organising Agency
			From	To			
1	NATURE Photography Workshop: SERIES II Theme: Wildlife Photography: Career Insights & Techniques	Daulat Ram College, University of Delhi	18 th	20 th , April	2024	Convener	Magic Lantern and Sepia The College Film and Photography Society And Vasundhara,
2	National Workshop CINEMATOGRAPHY: TECHNIQUES AND TIPS	Daulat Ram College, University of Delhi	12 th	13 th February	2024	Convener	Magic Lantern and Sepia The College Film and Photography Society
3	Photo exhibition on IZHAAR, MANJARI 2024	Daulat Ram College, University of Delhi	26 th -	28 th February	2024	Convener	Magic Lantern and Sepia The College Film and Photography Society YBP-CEMDE Delhi University
4	Photo exhibition on Flutter Me Shutters Photography During College annual Day 2024	Daulat Ram College, University of Delhi	26 th	26 th April,	2024	Convener	Magic Lantern and Sepia The College Film and Photography Society The College Film and Photography Society
5	NATURE Photography Workshop: SERIES I	Daulat Ram College, University of Delhi	30 th -	31 st , October	2023	Convener	Vasundhara & Magic Lantern and Sepia The College Film and Photography Society
6	Understanding Cinema: Workshop	Daulat Ram College, University of Delhi	20 th	21 st April	2023	Convener	Magic Lantern and Sepia
7	International Workshop	Deshbandhu College, University of Delhi	26 th	30 th November	2022	Participant	NyBerMan Bioinformatics Oriens, France
8	National Workshop	Acharya Narendra Dev College and IGIB DBT Under the Aegis of Star College Scheme	1 st	3 rd (July)	2021	Participant	ANDC and IGIB DBT Under the Aegis of Star College Scheme
9	Workshop	Training of Grammarly tool	6 th	7 th Oct,	2022	Participant	Daulat Ram College, University of Delhi
10	Capacity Building Workshop-Mushroom Cultivation-IQAC Workshop	DRC	28 th	28 th September	2022	Participant	Daulat Ram College, University of Delhi
11	Cynotype Printing Workshop (Oldest Photography Printing)	Film and Photography Society-Magic Lantern and Sepia	23 rd	23 rd April,	2022	Co-Convener	Daulat Ram College, University
12	'The Basics of Canva' on World Photography Day	Film and Photography Society-Magic Lantern and Sepia Rotaract Club of	19 th	19 th August	2022	Co-Convener	Daulat Ram College, University of Delhi Rotaract Club of Resilience

		Resilience					
13	National Workshop on Bioinformatics and Computational tools for Botanical Studies	Department of Botany, Daulat Ram College	6 th	7 th February	2020	Co-Convenor	Daulat Ram College University of Delhi
14	Workshop on "DNA Barcoding and Metagenomics"	Kirori Mal College, University of Delhi	19 th	20 th September	2019	Participant	Kirori Mal College, University of Delhi
15	Placement Cell, Incrementum 2.0	Internship and Career fair	1 day	5 th Feb, 2019 12 th Feb, 2020	2019 2020	Co-Convenor	Daulat Ram College, University of Delhi
16	Tree Plantation Drive	Let's the green to be seen	1 Day	21 st August,	2019	Convenor	DRC campus, University of Delhi
17	Workshop (Under IQAC)	Bonsai Making	1 day	22 nd , March, 2018	2018	Participant	Miranda House College University of Delhi
18	Inspire Science Camp	Innovation in Science Pursuit for Inspired Research	17 th -	21 st , Dec, 2018	2018	School outreach/ Resource person	DBT, Daulat Ram College, University of Delhi
19	Workshop	Digital Marketing	29 th -	30 th July,	2017	Co-Convenor	Placement Cell, DRC, University of Delhi
20	Workshop (Under IQAC)	Biostatistics	9 th	-10 th March,	2017	Participant	Zakir Husain Delhi College, University of Delhi
21	Training and Workshop	Art Photography wildlife photography	1 Day	14 th April	2016	Participant	The School of Digital Art and Photography
22	Training and Workshop	Art Photography Portrait Photography	1 Day	15 th December	2016	Participant	The School of Digital Art and Photography
23	Training Workshop	Training the trainer: IPR Workshop	1 day	15 th January,	2016	Participant	MHC University of Delhi
24	Workshop	Conservation of medicinal Plants by Micropropagation	28 th	Sep 1 st Oct	2015	Participant	DBT and DRC, University of Delhi
25	Workshop	Reproductive Biology of Angiosperms	16 th -	17 th March,	2015	Participant	Dayal Sing College, DU
26	Workshop	Plantation Drive for Enrichment of Species	15 th	sep- 2 nd Oct,	2014	Participant	MoEF, CEMDE, DU
27	Workshop	Applied Genomics and Proteomics	12 th -	14 th March,	2014	Participant	Deshbandhu College DU
28	National Workshop	Scientific Writing and Publication	3 rd -	4 th Nov,	2011	Participant	MIT & Punjab University
29	National Workshop	Application of Taxonomy in Prospecting Gene and their Products Beneficial to Humans	17 th -	26 th March,	2009	Organizing Member	DBT, MOEF, CEMDE, DU
30	National Workshop	Biosystematics and Conservation of Plant Diversity	1 st -	10 th March,	2004	Participant	DBT, MOEF, CEMDE, DU

Details of the Conference/seminar (Resource Person/ Convenor/ Member organizing committee/ Participant from 2021-2024)

S.No	Type of Event	Name of Event	Venue	Date of Event (Start Date- End Date)	Role	participa nt
1	3rd International Conference Environmental, Human and Animal Health (ICEAHAH 2024)	The Interplay of Human Health and Environmental Degradation: A Call to Action	United Nations Environment Program World Environment Day 2024	16 th -17 th , August, 2024	Participant	100+
2	3rd International Conference on Environmental, Human	Air Pollution: A Global Health and Environmental Crisis	United Nations Environment Program World Environment Day 2024	16 th -17 th , August, 2024	Participant	100+

	and Animal Health (ICEAAH 2024)					
3	International Conference	Future of Teaching-Learning and Assessment in Higher Education	Guru Angad Dev Teaching Learning Centre, a centre under PMMMNMTT, MoE, Government of India, NPTC Group of Colleges, Wales, United Kingdom.	1 st September, 2023	Member organizing committee	100+
4	International Conference	Emerging Trends in Higher Education" "Academic Leadership need of the hour"	Guru Angad Dev Teaching Learning Centre, a centre under PMMMNMTT, MoE, Government of India (Online)	28 th , March-29 th March, 2023	Participant With Award Third Position	70
5	International Conference	Emerging Trends in Higher Education" "Bioinformatics and Future Opportunities"	Guru Angad Dev Teaching Learning Centre, a centre under PMMMNMTT, MoE, Government of India (Online)	28 th , March-29 th March, 2023	Participant	70
6	International Conference	Emerging Trends in Higher Education" "Managing Performance Pressure"	Guru Angad Dev Teaching Learning Centre, a centre under PMMMNMTT, MoE, Government of India (Online)	28 th , March-29 th March, 2023	Participant	70
7	International Conference	"Microplastics and its remediation" Under G20 and UN Environment	DRC, University of Delhi-	14 th June, 2023	Convener	150
8	International Conference	"GI Cancers: Esophageal, Stomach & Colon Cancers"	Indian Cancer Society, Delhi & UGC-Malviya Mission Teacher Treaning Centre (UGC-MMTTC/GADTLC) SGTB Khalsa College, University of Delhi	1 st May, 2024.	Participant	100+
9	International	Environmental, Agricultural, Chemical and Biological Science-ICEACBS2023 "Microbial factories for Sustainable Biofuel Production and Climate Change"	Department of Biotechnology, Srimad Andavan Art and Science college, Tiruchirappalli, Tamilnadu-India	13 th -14 th - May 2023	Awarded First Prize for Oral Presentation	
10	Veer Savarkar Jayanti event	"Azadi ka Amrit Mahotsav aur Savarkar"	Library, Daulat Ram College, University of Delhi	30 th May, 2023	Co-Convener	200
11	International Conference cum Workshop	"Proteomics, Transcriptomics, and Molecular Drug Design: An Integrated Omics Approach	Department of Botany, Zakir Husain College, and Plant Molecular Laboratory, Botany Department, University of Delhi	25 th May-27 th May, 2022	Participant	100
12	National Webinar	Intellectual Property Right: Issues and Challenges"	Deen Dayal Upadhyaya College DU	24 th -25 th September, 2021	Participant	>150
13	International Conference	Effective Strategies for Biodiversity Conservation	DRC, University of Delhi	23 rd -24 th March, 2021	Convener	145
14	National Webinar	Future Prospects and career options in Data science	DRC, Upgrade University University of Delhi	29 th January, 2021	Convener/ Resource Person	125
15	National Webinar	A Talk on "National Gene-bank-Conserving Biodiversity for food Security"	Botany Department and NBPGR-Daulat Ram College, University of Delhi	24 th June 2021	Convener	100
16	National Webinar on Nature Walk	Nature Walk of Yamuna Biodiversity Park	YBP and DRC, University of Delhi	26 February 2021	Convener	150
17	National Webinar	Biodiversity and Conservation	DRC, University of Delhi	8 th June, 2020	Convener	150
18	International Webinar	Nanomaterials Applications	Centre for Nanotechnology Research (CNR), Vellore Institute of Technology, Vellore	17 th – 19 th June, 2020	Participant	150

Details of the Skill Development Programme (Resource Person/ Convener/ Member organizing committee/ Participant)

S.No	Type of Event	Name of Event	Venue	Date of Event (Start Date- End Date)	State your role:	Durati on (Days)	partici pant
1	In-House Skill Development Programme (Under IQAC)	"Basics of Online Class tools"	DRC, University of Delhi	August, 2024	Coordinator Resource Person	3	50

2	In-House Skill Development Programme (Under IQAC)	"Basics of Online Class tools"	DRC, University of Delhi	22 nd -23 rd August, 2022-2023	Organizer and Resource Person	3	100
4	In-House Skill Development Programme (Under IQAC)	"Basics of Online Class tools"	DRC, University of Delhi	17 th -19 th August, 2021 17 th -19 th , December, 2021	Convener and Resource Person	3	100
6	In-House Skill Development Programme (Under IQAC)	Basics of Bioinformatics: Theory & Practice	Daulat Ram College, University of Delhi	11 th - 17 th July, 2019	Convener & Resource Person	7	35
7	In-House Skill Development Programme (Under IQAC)	Food adulteration and security	Daulat Ram College, University of Delhi	3 rd -14 th July, 2017	Co-convener and Resource person	12	30

Details of the for Invited Talk (Resource Person/ Convener/ Member organizing committee/ Participant)

S.N.	Name of the Talk	Resource Person	Convener/ Co-convener	Venue	Date	Participants
1	National Talk on Effect of Air Pollution on Climate Change	Prof. BalRam Pani, Dean of Colleges, University of Delhi	Convener & Head	Conference Hall, DRC	9 th October, 2024	100+
2	RESTORATION ECOLOGY: a common path for Sustainability and Spirituality	Prof. Radhey Shyam Sharma Senior Scientist (Head of Department) CEMDE-EVS-Delhi University	Convener	Conference Hall, DRC	28 th August, 2019	100+
3.	Our Nature and Wildlife Heritage: Past, Present & Future"	Ms Radha Sharma, Co-Founder & Director of Earth Calling Expeditions, Mylapore, Chennai (Tamil Nadu)	Convener	Conference Hall, DRC	26 August, 2020	110+
4	"National Genebank-Conserving Biodiversity for Food Security"	DR. Veena Gupta Principal Scientist and Head Division of Germplasm Conservation ICAR-NBPGR PUSA Delhi	Convener	DRC	14 th June, 2021	100+

Conference Attended and Paper presented: (From 2016-Till 2021)

S.no	International/ National	Name of conference	Venue of conference	Date	Paper Presented on
1	International	Environmental, Agricultural, Chemical and Biological Science-ICEACBS2023	Department of Biotechnology, Srimad Andavan Art and Science college, Tiruchirappalli, Tamilnadu-India	13 th -14 th - May 2023	"Microbial factories for Sustainable Biofuel Production and Climate Change" Awarded First Prize for Oral Presentation Department of Biotechnology, Srimad Andavan Art and Science college, Tiruchirappalli, Tamilnadu-India
2	National and International	>20 Online Webinars	Google Meet and Zoom	March 2019- September 2021	Participated
3	National	"Innovations in science in Emerging Challenges in Health and Environment (NSHE-2018)	University of Delhi	20 March 2018.	"Hindon Once A Lifeline, Now A Dead River:
4	National	A Paradigm Shift Towards Empowerment of women	Kalindi College. University of Delhi	February 3-4 th 2017.	Microbes: The Next-Generation Mini Factories"
5	International	"Green Chemistry in Environmental Sustainability and Chemical Education"	Daulat Ram College University of Delhi	November 17 th - 18 th 2016	"Role of Air Purifying Plant to Combat Pollution"
6	International	"Green Chemistry in Environmental Sustainability and Chemical Education"	Daulat Ram College University of Delhi	November 17 th - 18 th 2016	"Microbes: The Next- Generation Biofuel Producers"
7.	National	"Water and Air Quality in Urban Ecosystem"	Shivaji College University of Delhi	March 22 nd -23 rd 2016.	"Air pollution and life in Delhi city"
8	National	Environmental concerns of 21 st century: Indian and Global context	Jakir Husain Delhi College. University of Delhi	March 21 st -22 nd , 2016.	"Role of Microbes in Pollution Control and Agriculture"
9	International	Public Health: Issues, Challenges, Opportunities, Prevention and Awareness	Daulat Ram College. University of Delhi-110007	January 15 th -16 th 2016.	"Mining of Unexplored Microbial Diversity for the Health Benefits"
10	National	Plant Science Research: Looking Beyond 21 st Century for Environmental and Agricultural Revolution	Department of Botany, University of Delhi, Delhi-110007	February 5 th -7 th , 2016.	"Exploration of antimicrobial Potential of Culturable Bacterial Diversity"

Conference Attended and Paper presentation: (From 2003-2016)

1. V. K. Kedia and **Meenakshi Sharma (2015)**. Presented poster on “**Impact of Global Climate Change on Agriculture and Food Security**” in National conference on “**Climate Change: Impacts, Adaptation, Mitigation Scenario and Future Challenges in Indian Perspective**” Organized by Department of Botany, Deen Dayal Upadhaya College, University of Delhi. February 20-21, 2015. ISBN: 978-93-5235-339-2
2. N. P. Malkani and **Meenakshi Sharma (2015)**. IIIrd prize for Poster Presentation on “**Role of Biofuel and Traditional Ecological Knowledge in Meeting Energy Needs and Controlling Climate Change**” in National conference on “**Climate Change: Impacts, Adaptation, Mitigation Scenario and Future Challenges In Indian Perspective**” Organized by Department of Botany, Deen Dayal Upadhaya College, University of Delhi. February 20-21, 2015.
3. **Meenakshi Sharma (2013)**. Provided Oral presentation on “**Antibiotic production in root-colonizing *Bacillus* and *Pseudomonas* spp.: relevance in biological control of different plant pathogenic fungi**” In National conference on “Innovations in Ethnopharmacology, Recent Developments in Biological and Chemical Sciences for Societal Benefits” March 1-3, 2013, Organized by Department of zoology L.S.M. Govt Post Graduate College, Pithoragarh (Uttarakhand).
4. **Meenakshi Sharma (2013)**. Provided presentation on “**Biosynthesis of antibiotic in root-colonizing *Bacillus* spp. and Biocontrol activity against different plant pathogenic fungi**” in National conference on “Advances in Environmental Sciences and Plant Biotechnology” organized by department of Botany, Deen Dayal Upadhaya College, University of Delhi. 4-5th February 2013.
5. **Meenakshi Sharma (2011)** Won First prize for presentation on “**Production of Antifungal Compounds and in Vitro Biocontrol Activity of *Bacillus* spp.**” In: National Conference on Advances in Natural Products Chemistry and Sustainable Development. Graphic Era University, Dehradun Uttarakhand. India, June 04-05, 2011. Pp.159
6. R.S. Sharma, N. Rau, **Meenakshi Sharma**, M.K. Das, S. Raiping, V. Mishra. (2009). Presented paper on “Prospecting of gene, Genotypes, Organism for Rhizosphere Engineering and Biomass Enhancement” in national workshop on “Application of Taxonomy in Prospecting Gene and their Products Beneficial to Humans” sponsored by the Ministry of Environment and Forests, Government of India at the CEMDE from 17th March to 26th March 2009
7. N. Laisram, **Meenakshi Sharma**, R. Kumar, V. P. Singh (2008). Presented paper on “Biological control of plant pathogenic fusaria by rhizospheric bacterial soil isolates” in the first INDO-DANISH. DU-SDU Seminar on Emerging Trends in Interfacial Area of Chemical, Biological and Environmental Sciences organized by Department of Chemistry, University of Delhi and Department of Physics and Chemistry, University of Southern Denmark, 17-18 March, 2008.
8. **Meenakshi Sharma**, V. Mishra and R. S. Sharma (2008). Presented paper on “Evaluation of plant growth promoting potential of a rhizobacterium of a wild grass colonizing mined out area” in: 49th annual conference of the AMI “**An International Symposium on Microbial Biotechnology: Diversity, Genomics and Metagenomics**” held from 18th – 20th November 2008 at the University of Delhi, Delhi-110007.
9. R. S. Sharma, S. Raiping, M. K. Das, V. Mishra, N. Rau, **Meenakshi Sharma (2006)**. Presented paper on “Phage induced functional diversity in rhizosphere bacteria and its significance in restoration ecology” In: International Symposium on Biology, Ecology and Management of World’s Worst Plant Invasive Species, 10-14 December 2006, University of Delhi, Delhi-110007.
10. **Meenakshi Sharma** and R. S. Sharma (2006). Presented paper on “Dhubgrass – an agricultural weed, as a source of novel rhizobacteria” In: International Symposium on Biology, Ecology and Management of World’s Worst Plant Invasive Species, 10-14 December 2006, University of Delhi, Delhi-110007.
11. M. K. Das, V. Mishra, **Meenakshi Sharma** and R. S. Sharma (2005). Presented paper on “Significance of bacteriophage sensitivity in rhizosphere ecology of growth promoting bacteria of *Dichanthium annulatum* (Willem.)” in: Third International Conference on Plants and Environmental Pollution (ICPEP-3), 28 November – 2 December 2005, Lucknow, India, SV/P-4, 56.
12. R. S. Sharma, **Meenakshi Sharma** and V. Mishra (2005). Presented paper on “Soil-borne bacteriophages of rhizobacteria of *Dichanthium annulatum* (Willem.) Inhabiting mined out area and their significance in inoculation technologies” in: Third International Conference on Plants and Environmental Pollution (ICPEP-3), 28 November – 2 December 2005, Lucknow, India, SV/P-12, 58.
13. **Meenakshi Sharma**, N. Laisram and V. P. Singh (2005). Presented paper on “Isolation and Screening of Antagonistic strains of Bacteria against *Aspergillus flavus* and *Fusarium* spp.” In: International symposium on Integrated Management of Fungal Diseases (IMF): Technology, Development and Application, Banaras Hindu University, Varanasi, February 24-25.
14. **Meenakshi Sharma**, V. Mishra, C. R. Babu and R. S. Sharma (2004). Presented paper on “Lithophytic grasses and associated microbes: ideal inputs for biological technologies for ecological restoration of degraded lands” in: Proceedings of Bio-Tech 2004: Challenges and Opportunities, 2nd National Conference Biotechnology Society of India, Delhi. 13-15 October 2004, New Delhi. Delhi-110007 pp. 44.

15. **Bhatnagar laureates (2003).** Attended Symposium on Best Scientist award at National Physical Laboratory New Delhi. Organised by Human Resource Development Group. CSIR. New Delhi. 13 Sep-2004.

Awards:

S. No	Name of Award	Awarding Agency	Topic	Government/ NGO/ International/Private	Recognition area	Date of award	Type of Award received
1	International Conference Third Position	Emerging Trends in Higher Education"	"Academic Leadership need of the hour"	GAD-TLC a centre under PMMMNMTT, MoE, Government of India	Participant	28 th , March-29 th March, 2023	Oral Presentation
2	Young Scientist Best Oral Presentation	Somnogen Canada Inc, United Nations-SDGS All India Institute of Training and Education-India	Microbial Factories for Sustainable Biofuel Production and Climate Change	Government	Research	13 th -14 th May, 2023	Oral Presentation
3	First Prize	Graphic Era University	Bacillus species as potential biocontrol agents soil born plant pathogens	Private	Research	5 th June, 2011	Oral Presentation
4	Third Prize	Deen Dayal Upadhaya College, University of Delhi.	Advances in biofuel production and recent Technologies	Government	Research	21 st Feb, 2015	Poster Presentation
5	First Report	Elsevier	Siderophore Production Iron Chelation Capacity of <i>Arthrobacter globiformis</i>	International Gov	Research	June, 2015	Research Paper

Membership of Professional Bodies/NGO

S.No	Type of Membership	Organization	Year of Membership (Start Date)
1	Lifetime Membership	American Society for Microbiology	ID: 56486459, division: Q, 2009
2	Lifetime Membership	Soil biology and Biochemistry	2009- Till date
3	Lifetime Membership	Journal of Plant Development Sciences	2010-Till date
4	Reviewer	The Open Agriculture Journal	2021-till date
5	Member	The Art of Living Foundation/ Cauvery Calling/ Save Soil	2008/2021/2021

National and International Academic Collaboration:

- Department of Geology and Pedology, Forestry and Wood Technology, **Mendel University** in Brno, Brno Czech Republic. 2017-Till date
- Institute of Chemistry and Technology of Environmental Protection, Faculty of Chemistry, **Brno, University of Technology, Brno, Czech Republic** 2019-till date
- Department of Botany, **Govt. Degree College Nainidanda, Pauri Garhwal**, Uttarakhand, India
- **Yamuna Biodiversity Park**, Jagatpura, Wazirabad, **New Delhi**, 2012-till Date

College/University Examination Work:

1. Theory and Practical Examination Papers of B.Sc. (Hons) and B.Sc. Life Science 2012-2025
2. Evaluation of Theory and Practical Examination Paper of B.Sc. (Hons) and B.Sc. Life Science 2012-till date
3. External/ Internal Examiner for Annual/ Semester Practical Examinations of B.Sc. (Hons) and B.Sc. Life Science 2012-till date

College/University ECA Work:

1. Cover page design and two images selected for the cover page of mentor mentee diary of the college 2023-2027.
2. Cover page design and photos selected for the cover page and College Prospectus 2023-2024
3. College Calendar design and more than hundred photos selected for the College Calendar and College Video from 2021-2025
4. Several Images clicked by me are selected to use in brochure, Seminars, Workshops, Tree database, college magazines and annual reports etc. from 2020-2025

Dr. Meenakshi Sharma