

## Curriculum vitae



1. **Name:** Dr. Garima Malik
2. **Designation:** Assistant Professor
3. **Subject:** Botany
4. **Academic Qualifications:** Ph.D.
5. **Areas of interest/Specialization:** Plant Biotechnology, Phytoremediation and Tissue Culture
6. **Date of Birth:** 12<sup>th</sup> September 1982
7. **Date of Joining:** 14<sup>th</sup> September 2017
8. **Experience:** ~ 09 years

14.9.17 onward	Assistant Professor, Department of Botany, Raghunath Girls' Post Graduate College, Meerut, Uttar Pradesh (Affiliated to Chaudhary Charan Singh University, Meerut)
14.8.17-13.9.17	Assistant Professor (Ad-hoc), Department of Botany, Kalindi College, University of Delhi
01.8.16-10.11.16	Assistant Professor (Ad-hoc), Department of Botany, Gargi College, University of Delhi
4.1.16-20.5.16	Assistant Professor (Ad-hoc), Department of Botany, Gargi College, University of Delhi
21.7.14-20.7.15	Assistant Professor (Ad-hoc), Department of Botany, Gargi College, University of Delhi
27.1.14-20.7.14	Assistant Professor (Ad-hoc), Department of Botany, Hansraj College, University of Delhi
Jan.'07-Sept.'07	Lecturer (Ad-hoc), Department of Biotechnology, Trident College of Education, Meerut, Uttar Pradesh

9. **Official Address:** Department of Botany, Raghunath Girls' Post Graduate College, Meerut, Uttar Pradesh-250001
10. **Contact Number:** 9818633943
11. **Email id:** 12.gmalik@gmail.com; imgarimamalik@gmail.com; dr.garimamalik@rgcollege.ac.in
12. **Areas of research:** Phytoremediation, Plant Biotechnology
13. **Digital Profile:**  
Research Gate Link: <https://www.researchgate.net/profile/Garima-Malik-2/research>  
ORCID Link: <https://orcid.org/0000-0002-3695-5576>  
LinkedIn: [www.linkedin.com/in/garima-malik-573969153](http://www.linkedin.com/in/garima-malik-573969153)

#### 14. **Achievements:**

2007	Cleared GATE (Life Science) with 98 percentiles
2006	Cleared CSIR-NET (National Eligibility Test)
2006	First Position in M. Phil (Botany), Chaudhary Charan Singh University, Meerut
2005	Second Position in M. Sc. (Botany), Chaudhary Charan Singh University, Meerut

### 15. Fellowships & Awards:

S.No.	Year	Name of Fellowships/Awards	Awarding Agency	Whether International/National/ State/Regional	Honorarium of Award, if any
1.	2011	International Travel Grant for Poster Presentation at Plant Genome Evolution, A Current Opinion Conference, Amsterdam, The Netherlands	DBT	National	International Travel Grant as per GoI norms
2.	2009-2012	Senior Research Fellowship	CSIR	National	As per GoI norms
3.	2007-2009	Junior Research Fellowship	CSIR	National	As per GoI norms

### 16. Research Papers published:

S. No.	Title of the paper published (with Page no.)	Research Journal (with vol. no.)	Year	ISSN	Whether peer reviewed, UGC listed, Impact Factor if any	Digital Link, if any
1.	Cyanobacteria as a potential bioasset for restoring degraded land; 3435-3450	Land Degradation and Development; 34 (12)	2023	1099-145X	UGC listed/ Scopus indexed Impact factor: 4.7	<a href="https://doi.org/10.1002/ldr.4711">https://doi.org/10.1002/ldr.4711</a>
2.	Implementation of Genetic Engineering and Novel Omics Approaches to Enhance Bioremediation: A Focused Review; 443-450	Bulletin of Environmental Contamination & Toxicology; 108 (3)	2022	1432-0800	UGC listed/ Scopus indexed Impact factor: 2.7	<a href="https://doi.org/10.1007/s00128-021-03218-3">https://doi.org/10.1007/s00128-021-03218-3</a>
3.	The DEAD-box RNA helicase eIF4A regulates plant development and interacts with the hnRNP LIF2L1 in <i>Physcomitrella patens</i> ; 1617-4615	Mol. Genet Genomics; 295 (1)	2020	1617-4615	UGC listed/ Scopus indexed Impact factor: 2.879	10.1007/s00438-019-01628-x
4.	De Novo Methyltransferase, OsDRM2, Interacts with the ATP-Dependent RNA Helicase, OseIF4A, in Rice; 2853-2866	J Mol Biol., 425 (16)	2013	0022-2836	UGC listed/ Scopus indexed Impact factor: 4.517	10.1016/j.jmb.2013.05.021
5.	Role of DNA methylation in growth and differentiation in <i>Physcomitrella patens</i> and characterization of cytosine DNA methyltransferases; 4081-4094	FEBS J., 279 (21)	2012	1742-4658	UGC listed/ Scopus indexed Impact factor: 4.237	<a href="https://doi.org/10.1111/febs.12002">https://doi.org/10.1111/febs.12002</a>
6.	Rice cytosine DNA methyltransferases–gene expression profiling during reproductive development and abiotic stress; 6301-6311	FEBS J.; 276 (21)	2009	1742-4658	UGC listed/ Scopus indexed Impact factor: 4.237	<a href="https://doi.org/10.1111/j.1742-4658.2009.07338.x">https://doi.org/10.1111/j.1742-4658.2009.07338.x</a>

### 17. Articles in Books/ Conference Proceedings Published:

S. No	Title of the Article published with page no.	Title of the Book/ Conference Proceedings	Year	ISBN	Detail of the Publisher	Published by International/ National /Local Publishers	Digital Link (if any)
1.	The Potential of Plant Growth-Promoting Rhizobacteria (PGPR) as Biological Tools in Enhancing Agricultural Sustainability	Antifungal Metabolites of Rhizobacteria for Sustainable Agriculture	2022	978-3-031-04805-0	Springer Cham, Springer Nature Switzerland	International	<a href="https://doi.org/10.1007/978-3-031-04805-0">https://doi.org/10.1007/978-3-031-04805-0</a>
2.	Plant Growth Promoting Rhizobacteria (PGPR)-Assisted Phytoremediation of Contaminated Soils	Bacterial Endophytes for Sustainable Agriculture and Environmental Management	2022	978-981-16-4496-2	Springer Nature Singapore	International	<a href="https://doi.org/10.1007/978-981-16-4497-9">https://doi.org/10.1007/978-981-16-4497-9</a>
3.	Endophytic Bacteria: Mitigating Abiotic Stress from Inside	Bacterial Endophytes for Sustainable Agriculture and Environmental Management	2022	978-981-16-4496-2	Springer Nature Singapore	International	<a href="https://doi.org/10.1007/978-981-16-4497-9">https://doi.org/10.1007/978-981-16-4497-9</a>
4.	Understanding assisted phytoremediation : Potential tools to enhance plant performance	Assisted Phytoremediation	2022	9780128228937	Elsevier	International	<a href="https://doi.org/10.1016/B978-0-12-822893-7.00015-X">https://doi.org/10.1016/B978-0-12-822893-7.00015-X</a>
5.	Genomics, Physiology and Molecular Breeding Approaches for Improving Crop Productivity under Salt Stress: Progress and Prospects	Salt Stress Responses in Plants: Perception, Signaling, Omics and Tolerance Mechanisms.	2021	978-1-53619-889-8	NOVA Science Publishers, NY, USA	International	<a href="http://www.researchgate.net/publication/364380108_Genomics_physiology_and_molecular_breeding_approaches_for_improving_crop_productivity_under_salt_stress_Progress_and_prospects">www.researchgate.net/publication/364380108_Genomics_physiology_and_molecular_breeding_approaches_for_improving_crop_productivity_under_salt_stress_Progress_and_prospects</a>
6.	Microbe-Plant-Insect Interactions: A Comparative Dissection of Interactome	Plant-Pest Interactions: From Molecular Mechanisms to Chemical Ecology	2021	978-981-15-2466-0	Springer, Singapore	International	<a href="https://link.springer.com/chapter/10.1007/978-981-15-2467-7_15">https://link.springer.com/chapter/10.1007/978-981-15-2467-7_15</a>

7.	Role of Herbivore-Associated Molecular Patterns (HAMPs) in Modulating Plant Defenses	Plant-Pest Interactions: From Molecular Mechanisms to Chemical Ecology	2021	978-981-15-2466-0	Springer, Singapore	International	<a href="https://link.springer.com/chapter/10.1007/978-981-15-2467-7_1">https://link.springer.com/chapter/10.1007/978-981-15-2467-7_1</a>
8.	Plant species forbidden in health food and their toxic constituents	Food Toxicology and Forensics	2021	978-0-12-822360-4	Academic Press, London, United Kingdom	International	<a href="https://doi.org/10.1016/B978-0-12-822360-4.00013-3">https://doi.org/10.1016/B978-0-12-822360-4.00013-3</a>
9.	Heavy Metal-Induced Toxicity Responses in Plants: An Overview from Physiochemical to Molecular Level	Cellular and Molecular Phytotoxicity of Heavy Metals. Nanotechnology in the Life Sciences	2020	978-3-030-45974-1	Springer, Cham	International	<a href="https://link.springer.com/chapter/10.1007/978-3-030-45975-8_5">https://link.springer.com/chapter/10.1007/978-3-030-45975-8_5</a>
10.	Nitrogen Stress in Plants and the Role of Phytomicrobiome	Phyto-Microbiome in Stress Regulation	2020	978-981-15-2575-9	Springer Nature, Singapore	International	<a href="https://link.springer.com/chapter/10.1007/978-981-15-2576-6_15">https://link.springer.com/chapter/10.1007/978-981-15-2576-6_15</a>
11.	VAM-Assisted Adaptive Response and Tolerance Mechanism of Plants Under Heavy Metal Stress: Prospects for Bioremediation	In vitro Plant breeding towards Novel Agronomic traits	2019	978-981-32-9823-1	Springer Nature, Singapore	International	<a href="https://link.springer.com/chapter/10.1007/978-981-32-9824-8_12">https://link.springer.com/chapter/10.1007/978-981-32-9824-8_12</a>
12.	Genetic Manipulation of Litchi for crop Improvement: Challenges and Possibilities	The Lychee Biotechnology	2017	978-981-10-3644-6	Springer-Natur GmbH Heidelberg, Tiergartenstr Germany	International	<a href="https://link.springer.com/chapter/10.1007/978-981-10-3644-6_11">https://link.springer.com/chapter/10.1007/978-981-10-3644-6_11</a>
13.	Abiotic Stress Management in Fruit Crop Litchi chinensis	The Lychee Biotechnology	2017	978-981-10-3644-6	Springer-Natur GmbH Heidelberg, Tiergartenstr Germany	International	<a href="https://link.springer.com/chapter/10.1007/978-981-10-3644-6_8">https://link.springer.com/chapter/10.1007/978-981-10-3644-6_8</a>

#### 18. Articles in Magazines and Newspapers:

S.No.	Name of the Article with page no.	Name of the Magazine/ Newspaper (with RNI)	Detail of the Publisher	Date	Digital Link, if any
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1.	Mahashivaratri: Favorite Plants of Lord Shiva	The Sunday Free Press Journal- Mumbai Edition	The Sunday Free Press Journal	06.3.2016	<a href="http://www.freepressjournal.in/mahashivaratri-favorite-plants-of-lord-shiva/798182">http://www.freepressjournal.in/mahashivaratri-favorite-plants-of-lord-shiva/798182</a>
2.	How to go herbal this Holi	The Sunday Free Press Journal- Mumbai Edition	The Sunday Free Press Journal	12.3.2017	<a href="http://www.freepressjournal.in/featured-blog/how-to-go-herbal-this-holi/1034179">http://www.freepressjournal.in/featured-blog/how-to-go-herbal-this-holi/1034179</a>

### 19. Development of New Curricula and Courses:

S.No.	Name of New Curricula & Courses	Hyperlink of Curricula or course	Role in Development
1.	M.Sc. (Botany) syllabus as per guidelines of U.P. Government in accordance with NEP-2020	<a href="https://ccsuniversity.ac.in/ccsum/syllabus_camp/419syl.pdf">https://ccsuniversity.ac.in/ccsum/syllabus_camp/419syl.pdf</a>	Contributed in framing the course that was adopted by Board of Studies, Botany, C.C.S. University, Meerut on 03.06.2022

### 20. Ph.D. Supervision:

S.No	Name of student with Regd. No.	University Registered	Topic	Type of Supervision	Enrolled (Date & Year)	Submitted or Awarded (Date & Year)
1.	Ms. Nisha Singh (Res.- 2/B/210600 36/2317)	C.C.S. University, Meerut	Effect of Plant Growth-Promoting Bacteria and Arbuscular Mycorrhizal Fungi Inoculations on Commonly Cultivated Plants Grown under Heavy Metal Stress	Supervisor	December 2022	NA

### 21. Research Projects:

S.No	Title	Type	Funding Agency	Amount	Time-Period
1.	Morphological, phenological and biochemical studies of selected Indian Medicinal plants (Sankhya-107/2021/2584/sattar-4-2021-4(28)/2021)	Co-PI	Uttar Pradesh Higher Education Department (under "Research and Development yojna")	Above Rs. One lakh	2022-2024

### 22. Faculty Enrichment Programme Attended:

S.No	Detail of the FDP/FEP	Date(s) of the event	Organizer & Sponsor	International/ National/ State/ University
1.	Online two-week Refresher Course in "Botany"	29.7.2023 – 13.8.2023	Teaching Learning Centre, Ramanujan College, University of Delhi under the aegis of Ministry of Education, Pandit Madan Mohan Malaviya National Mission on Teachers and Teaching (PMMMNTT)	National
2.	International Short-Term Training Programme-6 on "Greener living: Reduce, Reuse and Recycle"	1.2.2023-7.2.2023	Raj Rishi Govt. Autonomous College, Alwar, Rajasthan under the auspices of Component 8-Enhancing Quality and Excellence (RUSA-2)	National

3.	Two-week Science Academies' Refresher Course on "Plant Taxonomy: Orthodox vs. Modern Approach"	20.12.2022 - 02.1.2023	Department of Botany, Chaudhary Charan Singh University, Meerut and sponsored by Indian Academy of Science, Bangalore; Indian National Science Academy, New Delhi and The National Academy of Sciences India, Allahabad.	National
4.	International Short-Term Training Programme-5 on "Production and Regulation of Chemicals and Toxins for Environmental Conservation"	7.12.2022-13.12.2022	Raj Rishi Govt. Autonomous College, Alwar, Rajasthan under the auspices of Component 8-Enhancing Quality and Excellence (RUSA-2)	National
5.	International Short-Term Training Programme-4 on "Methods, Modeling, Data and Tools of Environmental Conservation"	1.11.2022-7.11.2022	Raj Rishi Govt. Autonomous College, Alwar, Rajasthan under the auspices of Component 8-Enhancing Quality and Excellence (RUSA-2)	National
6.	International Short-Term Training Programme-3 on "Contrivance of Sustainable Development Goals (SDGs) for Environmental Conservation"	24.6.2022-30.6.2022	Raj Rishi Govt. Autonomous College, Alwar, Rajasthan under the auspices of Component 8-Enhancing Quality and Excellence (RUSA-2)	National
7.	Two-week online Refresher Course in Environmental Studies (Multidisciplinary)	10.11.2021 - 23.11.2021	UGC-Human Resource Development Centre, Bharathiar University, Tamil Nadu	National
8.	Two-week online Refresher Course in Basic Sciences	10.9.2020-23.9.2020	UGC-Human Resource Development Centre, Jamia Millia Islamia, New Delhi	National
9.	One-week online Faculty Development Program (FDP) on "Biosafety, Bioethics and IPR",	24.8.2020-28.8.2020	RLA College, University of Delhi, under the DBT Star College Scheme	National
10.	UGC (Paramarsh) 5 Days Online FDP on "ICT in Teaching & Evaluation"	13.7.2020-18.7.2020	MSP Mandal's Shri Shivaji College, Parbhani (Maharashtra)	National
11.	Five Day FDP on "Innovative Teaching Learning Methodologies"	6.7.2020-10.7.2020	Coimbatore Institute of Technology – Teaching Learning Centre (Under PMMMNMTT, Department of Higher Education, MHRD, GoI)	National
12.	Week Long Faculty Development Programme on 'NAAC Assessment & Accreditation (A&A) for Affiliated Colleges'	8.6.2020-13.6.2020	Vinayakrao Patil Mahavidyalaya, Vaijapur under the U.G.C. Paramarsh Scheme	National
13.	Five Day FDP on "Innovative Teaching Learning Methodologies"	6.7.2020-10.7.2020	Coimbatore Institute of Technology – Teaching Learning Centre (Under PMMMNMTT, Department of Higher Education, MHRD, GoI)	National
14.	Five Days Faculty Development Program on "ICT based Teaching and Learning Process"	01.7.2020-5.7.2020	Roorkee College of Polytechnic, Uttrakhand	National
15.	One Week Pedagogical Training for Teachers on "Tools for Online Teaching Learning and Evaluation"	01- 6.7.2020	School of Mathematical Sciences, Swami Ramanand Teerth Marathwada University, Nanded	National



16.	Six Day FDP on “ICT Tools for Technology Infused Learning V2.0”	29.6.20-04.7.2020	Department of Electronics and Communication Engineering, Saveetha Engineering College (Affiliated to Anna University)	National
17.	Six Day FDP on “ICT Tools for Technology Infused Learning V1.0”	22.6.2020-27.6.2020	Department of Electronics and Communication Engineering, Saveetha Engineering College (Affiliated to Anna University)	National
18.	Week Long Faculty Development Programme on ‘NAAC Assessment & Accreditation (A&A) for Affiliated Colleges’	8.6.2020-13.6.2020	IQAC, Vinayakrao Patil Mahavidyalaya, Vaijapur under the U.G.C. Paramarsh Scheme	National
19.	One week Faculty Development Program (FDP) on “E-Learning and ICT Tools for Effective Teaching –Learning”,	8-13.6.2020	Aravali College of Advanced Studies in Education, Pali, Faridabad	National
20.	Five Days Online Faculty Development Programme on “Technical Skill Development: Need of the Hour”	23.5.2020-27.5.2020	Shaheed Mangal Pandey Government Girls (P.G.) College, Meerut (U.P.)	National

### 23. Seminar/ Workshop/ Conference Attended:

S.No	Detail of the Conference/ Seminar	Organizer & Sponsor	Date(s) of the event	Venue of the event	International/ National/ State/ University
1.	Two Days Workshop on “Implementation of NEP-2020 in the session 2021-2022”	Chaudhary Charan Singh University, Meerut & IQAC, Raghunath Girls’ P.G. College, Meerut	24-25.6.2021	Online	National
2.	Seven Days Online Workshop on “Relax, Rejuvenate and Reset during Second Wave of COVID with Pranic Program”	Department of Zoology & IQAC, Raghunath Girls’ Postgraduate College, Meerut	17.6.2021-23.6.2021	Online	National
3.	National Webinar on “An Insight in NAAC Revised Guidelines”	IQAC, G.I. Bagewadi Arts, Science & Commerce College, Nipani, Karnataka	4-5.8.2020	Online	National
4.	National Level Webinar on ‘Good Publication Practices: What & Where to Publish’	School of Social Sciences, S.R.T.M. University, Sub-Centre, Latur (MS)	04.8.2020	Online	National
5.	One Day Online Workshop on “Documentation for Revised NAAC Assessment and Accreditation Process”	IQAC, Late Pushpadevi Patil Arts and Science College, Risod in collaboration with IQAC, Sant Gadge Baba Amravati University, Amravati	28.7.2020	Online	National
6.	Webinar on “NAAC Assessment & Accreditation for AQAR Process”	Internal Quality Assurance Cell (IQAC), Anjuman, College of Engineering and Technology, Nagpur	14.7.2020	Online	National

7.	Two-Days National Level E-Workshop on “Understanding OBS Studio & Streamyard for E-Content Creation and Live Streaming”	Faculty of Humanities and Science, Adalayampattu Phase -II Campus, Dr.M.G.R Educational and Research Institute, Chennai, Tamil Nadu	10-11.7.2020	Online	National
8.	Webinar “eValuation in the Digital Age: New Age Platforms and Assessment Tools”	PG Department of English and Research Centre in collaboration with the Department of Computer Science, Krishna Menon Memorial Government Women’s College, Kannur, Kerala	8.7.2020	Online	National
9.	One Day online Workshop on “Google Classroom”	Nazareth College of Education for Women (Affiliated to Tamil Nadu Teachers Education University), Avadi, Chennai, Tamil Nadu	7.7.2020	Online	National
10.	Webinar on "Introduction to IPR and Patent Filing"	µ-maker, Trichy	20.6.2020	Online	National
11.	Two-day International Virtual FDP on “Innovative Techniques for Effective Teaching Online and Offline”	Faculty of English (Department of M&H), Mahatma Gandhi Institute of Technology, Hyderabad	12.6.2020-13.6.2020	Online	International
12.	2-Days International e-Conference on “Sustainable Development after COVID-19: Environmental Issues and Challenges”	Department of Botany and Zoology, D.N. College, Meerut in collaboration with Department of Toxicology, C.C.S. University, Meerut	01.6.2020-02.6.2020	Online	International
13.	National Webinar on "Transforming Classrooms into Informal and Learning Grounds: Online and Apps"	St. Xavier's College, Nevta (Affiliated to the University of Rajasthan, Jaipur)	31.5.2020	Online	National
14.	One Day Webinar on “Biodiversity and Public Health”	Eco Club, Shivaji College, Delhi University in collaboration with Society for Ecological Research and Natural Resources Management (SERNRM),	19.5.2020	Online	National
15.	One Day National Webinar on “Enhancing quality and visibility of research output of faculty and researchers”	Gargi College Library, Delhi University,	16.5.2020	Online	National
16.	FDP National Webinar entitled “E-content Development Methodology: Four Quadrant Model, OERs and Copyright issues”	Guru Angad Dev Teaching Learning Centre SGTB Khalsa College, University of Delhi under the PMMMNTT of MHRD	15.5.2020	Online	National
17.	One Day National Webinar on “Alternative Assessment & Evaluation models during COVID-19 Crisis”	Acharya Narendra Dev Nagar Nigam Mahila Mahavidyalaya, Harsh Nagar, Kanpur	14.5.2020	Online	National
18.	One Day National Webinar on "Online education: Challenges	Faculty of Science, Netaji Subhash Chandra Bose	13.5.2020	Online	National



	and strategies during Covid-19"	Government Girls P.G. College, Aliganj, Lucknow			
19.	One Day National Webinar on "Covid-19 and Challenges in Virtual Labs"	D.A.K. College, Moradabad (U.P.)	12.5.2020	Online	National
20.	One Day National Webinar on "Virtual Classes Tools: Google Classroom, Google Meet and You Tube"	organized by Department of Botany, Gargi College, Delhi University	11.5.2020	Online	National

#### 24. Seminar/ Workshop/ Conference/ Exhibitions Organized:

S.No	Detail of the Conference/ Seminar/Exhibitions (Including Sponsor)	Date(s) of the event	Venue of the event	International/ National / State/ University	Role
1.	Two - Week Refresher Course (Inter-disciplinary) in "Environmental Science" organized by Raghunath Girls' Post Graduate College, Meerut in Collaboration with Teaching Learning Centre, Ramanujan College, University of Delhi under the aegis of Ministry of Education, Pandit Madan Mohan Malaviya National Mission on Teachers and Teaching (PMMMNMTT)	29.8.23-12.9.23	Online	National	Coordinator
2.	One-Week Online National Faculty Development Program on the topic "MOOCs and e-Content development" jointly organized by Raghunath Girls' Post Graduate College, Meerut, Uttar Pradesh 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 (PMMMNMTT) of Ministry of Education	29.4.23-05.5.23	Online	National	Co-Coordinator
3.	One-Week (Online) National Faculty Development Program on the topic "Blended Learning, Development of MOOCs and e-Content" organized by IQAC, Raghunath Girls' Post Graduate College, Meerut, Uttar Pradesh in collaboration with Mahatma Hansraj Faculty Development Centre, Hansraj College, University of Delhi under the Pandit Madan Mohan Malaviya National Mission on Teachers and Teaching (PMMMNMTT) of Ministry of Education	24.4.2023-29.4.2023	Online	National	Coordinator
4.	One-Month Online National Faculty Induction Programme/Orientation Course jointly organized by Raghunath Girls' Post Graduate College, Meerut, Uttar Pradesh 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 (PMMMNMTT) of Ministry of Education	25.2.23-27.3.2023	Online	National	Co-Coordinator

5.	One week FDP on New Trends in Research Methodology organized by Teachers' Reskilling Cell and LMS Cell	11.2.2023-17.2.2023.	Raghunath Girls' P.G. College, Meerut	National	Member, Executive Committee
6.	One day National Symposium on Disaster Management on, organized by Department of Botany, C.C.S. University, Meerut in collaboration with IUINDRR-NIDM, Ministry of Home Affairs, GOI, New Delhi	10.12.2022	Department of Botany, C.C.S. University, Meerut	National	Joint Secretary
7.	One day Workshop Cum Hands-on Training Programme on Mushroom Cultivation organized by Department of Botany, Chaudhary Charan Singh University, Meerut with the co-operation of Vasudha, Eco Club, R.G. (P.G.) College, Meerut	21.2.2022	Department of Botany, C.C.S. University, Meerut	University	Joint Secretary
8.	National Webinar on "Ecosystem Restoration & Sustainable Development: Present and Future" organized by Department of Sciences, R.G. (P.G.) College, Meerut on the occasion of World Environment Day	05.06.2021	Online	National	Organizing Secretary
9.	National Seminar (online) on "Medicinal Plants and Herbal Immune-Boosters in Covid-19 Pandemic and Beyond: Current Scenario and Future Prospects" organized by R.G. (P.G.) College, Meerut	09.04.2021	Online	National	Organizing Secretary
10.	National Webinar on "राष्ट्रीय शिक्षा नीति 2020: एक समग्र दृष्टि" organized by R.G. (P.G.) College, Meerut	25.09.2020	Online	National	Member, Organizing Committee
11.	National Webinar on "Creating Awareness About NEP 2020 Through NCC" organized by R.G. (P.G.) College	23.09.2020	Online	National	Member, Organizing Committee
12.	National Webinar on "National Education Policy 2020 & Its Sustainability in Higher Education"	16.09.2020	Online	National	Member, Organizing Committee
13.	International Seminar on "Innovations and Practices in Biological and Environmental Sciences" organized by Department of Botany, R.G. (P.G.) College, Meerut in collaboration with Department of Biotechnology and Microbiology, M.I.E.T., Meerut	28.6.2020	Online	International	Organizing Secretary
14.	One day Webinar on "Mental Health During the Period of Covid-19" organized by Department of Botany, R.G.P.G. College, Meerut in collaboration with N.S.S., Muskrayega India Initiative, U.P.	24.6.2020	Online	State	Organizing Secretary
15.	National Webinar on "Digital Learning In and Beyond Covid-19" organized by Department of Botany, R.G. (P.G.) College, Meerut	07.6.2020	Online	National	Organizing Secretary
16.	E-Symposium on World Environment Day (5-6-2020) on "Environment quality Improvement during Covid-19 prevalence" organized by Department of Botany, R.G.P.G. College, Meerut in collaboration with N.S.S., Muskrayega India Initiative, U.P.	06.6.2020	Online	State	Organizing Secretary

17.	National Seminar on “Ethnomedicinal Wealth of India: Conservation and Sustainable Management” organized by Department of Botany, R.G. (P.G.) College, Meerut	29.1.2020	R.G. (P.G.) College, Meerut	National	Co-Organizing Secretary
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## 25. Journal /Book Edited:

S. No.	Name of the Journal/ Book Edited	Month and Year	Role	Digital Link (if any)
1.	Medicinal Plants: Ethnomedicine, Pharmacognosy and Therapeutic Values ISBN: 978-93-90879-31-1	September 2022	Editor	10.31995/BOOK.AB220-A22

## 26. Invited lectures/ Resource person/ Paper Presented in Conferences/ Seminar/ Workshops:

S.No	Title of the Invited Lecture/ Paper presented	Detail of the Conference/ Seminar (including organizers & Sponsors)	Date(s) of the event	Venue of the event	International/ National/ State/ University	Role
1.	Phytoremediation: A Multifaceted and Eco-friendly Method for Revitalization of Heavy Metal Contaminated Sites	International Conference (Hybrid Mode) on Advances in Algal Biotechnology and Taxonomy & Capacity Building Workshop on Algal Entrepreneurship Development organized by Department of Botany, C. C. S. University, Meerut in association with JNV University, Jodhpur, Rajasthan, India; Microbiologists Society, India; Society of Life Sciences, India and Blue Planet Society, India and sponsored by U.P.H.E.D, U.P. Government	27.3.2023 - 29.3.2023	Department of Botany, Chaudhary Charan Singh University, Meerut	International	Paper Presentation
2.	Assisted Phytoremediation: A sustainable approach to environmental well being	National Seminar on “Health and Wellness in Changing Environment”, organized by Department of Psychology, Meerut College, Meerut and sponsored by IMPRESS Project (P3773), ICSSR, Ministry of Education, GoI	26.3.2023	Meerut College, Meerut	National	Paper Presentation
3.	Life Sciences	Capacity Building Workshop for Teachers (for Central Delhi districts) on ‘Life Sciences’ Millennium Education India	28.9.2022 - 30.9.2022	Online	National	Resource Person

		Foundation (MIEF) & catalyzed and supported by NCSTC Division – Department of Science & Technology (DST), Govt. of India				
4.	Life Sciences	Online Capacity Building Workshop for Teachers (for West Delhi districts) on ‘Life Sciences’ Millennium India Education Foundation (MIEF) & catalyzed and supported by NCSTC Division – Department of Science & Technology (DST), Govt. of India	2.9.2022-4.9.2022	Online	National	Resource Person
5.	Life Sciences	Online Capacity Building Workshop for Teachers on ‘Life Sciences’ Millennium India Education Foundation (MIEF) and ASN Senior Secondary School & catalyzed and supported by NCSTC Division – Department of Science & Technology (DST), Govt. of India	22.8.2022 - 24.8.2022	Online	National	Resource Person
6.	Biology	Workshop titled “Development of learning outcomes based activities under Roadmap in Biology at Higher Secondary Stage” Department of Education in Science and Mathematics, NIE, NCERT, New Delhi	29.11.21-30.11.21	Online	National	Resource Person
7.	Biology	Workshop titled “Development of Audio/Video Resources in Biology and Chemistry at Higher Secondary Stage” Department of Education in Science and Mathematics, NIE, NCERT, New Delhi.	20.09.21-24.09.21	NCERT, New Delhi.	National	Resource person
8.	Indian Himalayan Region and Water Crisis	National seminar on “Himalayan Safety and Water Conservation: Sustainable Reforms and Future Perspective”, Vasudha, Eco Club, Raghunath Girls’ Post	16.09.21	Raghunath Girls’ Post Graduate College, Meerut	National	Resource Person

		Graduate College, Meerut in collaboration with NGO, Jagruk Nagrik Association				
9.	Role of plants in Wetland Conservation	National Workshop on “Conserving and Sustainably Managing Gangetic Floodplain Wetlands”, Social Forestry Division, Meerut, Govt. of U.P. and India Water Partnership in collaboration with Raghunath Girls’ Post Graduate College, Meerut under the aegis of Namami Gange Project	04.09.21	Raghunath Girls’ Post Graduate College, Meerut	National	Resource Person
10.	Biology	Workshop titled “Development of Audio/Video resources based on laboratory manual in Biology at Higher Secondary Stage (Class XII)” Department of Education in Science and Mathematics, NIE, NCERT, New Delhi	15.3.21-19.3.21 and 22.3.21-26.3.21	NCERT, New Delhi	National	Resource person
11.	Women in Science: Challenges and Opportunities	National Webinar on “Women’s in Science: Challenges and Opportunities”, M.L.S.M. College, L.N. Mithila University, Bihar	15.02.21	Online	National	Invited talk/ Resource Person
12.	Herbal Drug Discovery: A systems Approach to Ayurinformatics	Two Day National e-Conference on “Plant Science Research: Relevance, Funding, Challenges and Opportunities” organized by Department of Botany, Hansraj College in collaboration with Mahatma Hansraj Faculty Development Centre Hansraj College, University of Delhi (Under PMMMNMTT, Department of Higher Education, MHRD, GoI)	16.1.2021 - 17.1.2021	Online	National	Poster Presentation
13.	Women Empowerment and Gender Equality	“Mission Shakti” Webinar organized by Virangna Avantibai Government Degree	11.11.20	Online	State	Invited talk/ Resource Person

		College, Atrauli, Aligarh, U.P.				
14.	“Impacts of Climate Change on Biodiversity”	International Conference on the Web entitled “Covid 19: Roadmap to Future Environment” organized by Department of Botany, St. John’s College, Agra	05.6.2020	Online	International	Poster presentation
15.	Interdisciplinary Research: Goals and Challenges.	National Seminar on “Recent Trends in Interdisciplinary Research” organized by IQAC, Multanimal Modi College, Modinagar, Ghaziabad, U.P.	31.1.2020	Multanimal Modi College, Modinagar, Ghaziabad,	National	Paper presentation
16.	Ayurvedic drug repurposing for Alzheimer’s disease using in-silico approach.	National Seminar on “Ethnomedicinal Wealth of India: Conservation and Sustainable Management” held on at R.G. (P.G.) College, Meerut	29.1.2020	R.G. (P.G.) College, Meerut	National	Paper presentation
17.	Indoor Plants: Nature’s own air purifiers.	National Conference on “Green Development for Environmental Concerns & Sustainable Progress” organized by A.S. (P.G.) College, C.C.S. University, Meerut (sponsored by U.P. State Council of Higher Education, Govt. of U.P.)	1.12.2019	A.S. (P.G.) College, Mawana, Meerut	National	Paper Presentation
18.	Medicinal Mushrooms: A promising Biomedical Resource for Human Welfare	National Seminar-cum-Workshop on “The Biodiversity Conservation and Sustainable Use of Medicinal and Aromatic Plants” organized by Department of Botany, C.C.S. University, Meerut (Sponsored by Department of Higher Education State Government, Uttar Pradesh)	31.8.2019 -1.9.2019	Department of Botany, C.C.S. University, Meerut	National	Paper Presentation
19.	Climate Change and Its Impact On Biodiversity.	International Seminar on “Science, Environment and Spirituality (ISSES 2019)” organized by Department of Botany, Shivaji College, Delhi University	13.9.2019	Shivaji College, Delhi University	International	Poster Presentation



20.	India's Worsening Water Crisis	National Seminar on "Bhavisya ka Jal Sankat: Chunautiya Avam Samadhan" organized by Samaj Vikas Sansthan in Ismail National Mahila (P.G.) College, C.C.S. University, Meerut	21.07.19	Ismail National Mahila (P.G.) College, Meerut	National	Paper Presentation
21.	Conflict in Kashmir and its impact on the environment	International Seminar on "Kashmir Problem and India-Pakistan Relations" organized by Meerut College, C.C.S. University	17.3.2019 - 18.3.2019	Meerut College, Meerut	International	Invited Talk
22.	Role of Social Media in awareness of Kitchen Garden Plants.	National Seminar on "Jaan-Avadharna Nirmaan Mein Sanchaar Maadhyamo Ki Bhumika" organized by Indrasan Singh Swatantrata Sangram Senani Rajkiya Mahavidyalaya, Panchwas-Basti, U.P.	31.3.2019	Indrasan Singh Swatantrata Sangram Senani Rajkiya Mahavidyalaya, Panchwas-Basti, U.P.	National	Paper Presentation
23.	Plastics and Environmental Health: The Road Ahead.	National Workshop on "Badhta Pradushan: Samasya Avam Samadhan" organized by Department of Botany, R.G.P.G. College, C.C.S. University	26.07.18	R.G.P.G. College	National	Paper Presentation
24.	Rhizofiltration: Plant based technology to clean polluted water	National Seminar on Water and Air Quality in Urban Ecosystem at Shivaji College, Delhi University	22.3.2016	Shivaji College, Delhi University	National	Poster Presentation
25.	Conserved Functional characterization of cytosine DNA methyltransferases in rice ( <i>Oryza sativa</i> )	11 <sup>th</sup> International Symposium on Rice Functional Genomics (ISRFG), New Delhi, India.	20.11.13-23.11.13	New Delhi	International	Poster Presentation
26.	Identification and Characterization of Molecular Components of DNA Methylation machinery in moss ( <i>Physcomitrella patens</i> )	Plant Genome Evolution, A Current Opinion Conference, Amsterdam, The Netherlands	4.9.2011-6.9.2011	Amsterdam The Netherlands.	International	Poster Presentation
27.	Identification and Characterization of Molecular	3 <sup>rd</sup> Annual Conference, School of Biotechnology, Bioepoch 2011, Jawaharlal Nehru	1.4.2011-2.4.2011	Jawaharlal Nehru University, New Delhi	National	Poster Presentation

	Components of DNA Methylation machinery in moss ( <i>Physcomitrella patens</i> )	University, New Delhi, India				
28.	Comparative study of Cytosine DNA Methyltransferases in Rice ( <i>Oryza sativa</i> ) and moss ( <i>Physcomitrella patens</i> )	8 <sup>th</sup> Annual Research Festival of School of Life Sciences, Biosparks 2010, Jawaharlal Nehru University, New Delhi, India	11.3.10-12.3.10	Jawaharlal Nehru University, New Delhi	National	Oral Presentation

**27. Administrative Experience:**

1. Member, IQAC (2023-2024)
2. Admission Incharge, B.Sc. Vth semester Renewal (2023-2024)
3. Member, Admission Committee, B.Sc. I<sup>st</sup> year (2023-2024)
4. Acted as Observer in U.P. B.Ed. Joint Entrance Examination-2022 conducted on 06.07.22.
5. Member, Student Grievance Redressal Cell (2021-2022)
6. Member, Anti-ragging and Anti-sexual Harassment Cell (2020-2022)
7. Proctor, Proctorial Board (2019-2020)
8. Member, Women Cell and Anti-sexual Harassment Committee (2019-2020)

**28. Corporate Participation at the College Level:**

1. Activity Cell (2022-2024)
2. Film Club (2022-2024)
3. Member, Mentoring and Counselling Cell (2022-2023)
4. Member, Cell for differently abled students and SEDGs/ International students (2022-2023)
5. Member, Online Education and LMS Cell (2021-2023)
6. Member, Vasudha, Eco Club (2021-2022)
7. Member, Academic Career Counseling and Placement Cell (2021-2022)
8. Member, E-content Committee (2020-2021)
9. Member, Staff Club Committee (2019-2023)
10. Member, Debating Society (2019-2023)
11. Member, Library Committee (2019-2020)
12. Member, Beautification and Gardening Committee (2018-2020)

