




UP HIGHER EDUCATION SERVICE
Dr. Shyama Prasad Mukherjee Government Degree College
 Bhadohi, Sant Ravidas Nagar, Uttar Pradesh



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FACULTY PROFILE

Name	Prof. Maya	Photograph 
Designation & Subject	Professor of Botany	
Date of Joining in Service	01.10.2009	
Address	Department of Botany, Dr. Shyama Prasad Mukherjee Government Degree College Bhadohi, UP. Pin-221401	
Contact No.	9936441583	
E-mail	mayabhue@gmail.com	
Research IDs:	Google Scholar Id: https://scholar.google.com/citations?user=83uEzvQAAAAJ&hl=en Orcid Id: https://orcid.org/0009-0004-1921-5164 Research Gate Id: https://www.researchgate.net/profile/Maya-Yadav/research	

Educational Qualifications

Degree	Institution	Year
Ph.D. (Doctor of Philosophy in Botany)	Banaras Hindu University, Varanasi UP, India	2013
PG (M.Sc. in Botany)	Banaras Hindu University, Varanasi UP, India	2006
Diploma Post Graduate Diploma in Information Technology (PGDIT)	Jointly Conducted by University of Mysore Karnataka, India and Edutech. Informatics India Ltd, New Delhi, India	2004
UG (B.Sc. in Botany, Zoology, Chemistry)	Dr. Ram Manohar Lohiya Awadh University, Faizabad UP, India	2003
UG (B.Ed. Bachelor of Education)	Banaras Hindu University, Varanasi UP, India	2007
HSC (Intermediate)	Board of High school and Intermediate Education UP, India	2000
SSC (High School)	Board of High school and Intermediate Education UP, India	1998

Career Profile/Teaching Experiences

16 Years

Administrative Assignments

Principal, Head of Department (Botany) (2025-26)

IQAC Convener, Chief Proctor, Head of Department (Botany) (2024-25)

Area of Interest/Specialization

Bioremediation and In Silico Molecular Characterization of Bioactive Phytochemicals

Subjects Taught

Botany

Publications Profile

Journal Articles

1. Maya, and Raj Kumar Singh Yadav. "Anti-diabetic Potential of Cyanidin-3-O-glucoside versus PPAR δ Synthetic Agonist GW2433: An In-Silico Approach." *Interdisciplinary Journal of Contemporary Research*, vol. 12, no. 8.1, Aug. 2025, pp. 183–188. doi: <https://doi.org/10.5281/zenodo.18253823>
2. Maya, and Raj K. S. Yadav. "Molecular Docking and ADMET Profiling of Human DPP-IV Inhibitors from *Dalbergia sissoo*: In-Silico Assessment of Antidiabetic Potential." *International Journal of Pharmaceutical Sciences and Drug Research*, vol. 16, no. 5, 2024, pp. 841–854. doi: [10.25004/IJPSDR.2024.160512](https://doi.org/10.25004/IJPSDR.2024.160512)
3. Yaduvanshi, Sangeeta, Santosh Yaduvanshi, and Maya Yadav. "Analysis of Gender Gap in STEM Education and Its Reasons in Indian Society." *Rabindra Bharati University Journal of Economics*, vol. 18, May 2024, pp. 1–8. doi: <https://doi.org/10.5281/zenodo.18523889>
4. Yadav, Maya, and Raj Kumar Singh Yadav. "In-silico Characterization of a Novel Bioactive Compound Derived from *Psidium guajava*, 4-[5-(Pyridin-4-yl)-1,2,4-oxadiazol-3-yl]-1,2,5-oxadiazol-3-amine: A Potential Inhibitor for Targeting Signaling Proteins Involved in Diabetes Development." *International Journal of Pharmaceutical Sciences and Drug Research*, vol. 16, no. 2, 2024, pp. 180–190. doi: [10.25004/IJPSDR.2024.160207](https://doi.org/10.25004/IJPSDR.2024.160207)
5. Maya. "In-Silico Study of Bioactive Phytochemical Marrubiin: An Anti-Diabetic Potential Inhibitor for PPAR γ ." *Research Highlights*, vol. 11, no. 1, Mar. 2024, pp. 48–56. doi: <https://doi.org/10.5281/zenodo.18491055>
6. Yadav, Raj Kumar Singh, Shweta Singh, Rashmi Singh, and Maya Yadav. "Molecular Structure, Vibrational, NBO, HOMO–LUMO Analysis, and First-Order Hyperpolarizability of 1-Fluoro-2-Nitrobenzene Molecule Using Density Functional Theory." *Journal of the Maharaja Sayajirao University of Baroda*, vol. 57, no. 2, 2023, pp. 35–47. doi: <https://doi.org/10.5281/zenodo.18500311>
7. Yadav, Maya, and Raj Kumar Singh Yadav. "Molecular Docking, Pharmacophore Modeling and ADMET Profiling Study of Some Bioactive Phytochemicals from *Indigofera tinctoria* as Potential PPAR γ Inhibitors for the Treatment of Diabetes: An In Silico Study." *Journal of Chemical Health Risks*, vol. 13, no. 6, Dec. 2023, pp. 2706–2720. doi: <https://doi.org/10.5281/zenodo.18290377>
8. Yadav, Maya, and Raj Kumar Singh Yadav. "Molecular Structure, Vibrational Analysis, Molecular Electrostatic Potential, and HOMO–LUMO Analysis of 2,3,3,3-Tetrafluoropropene (HFO-1234yf)—An Environment-Friendly Refrigerant." *International Journal of Science and Research (IJSR)*, vol. 12, no. 3, Mar. 2023, pp. 1625–1631. doi: [10.21275/SR23323132100](https://doi.org/10.21275/SR23323132100)
9. Maya. "In-Silico Characterization of Antidiabetic DPP-IV Inhibitors from *Tinosporacrispa*." *Research Highlights*, vol. 9, no. 1, Jan.–Mar. 2022, pp. 33–44. doi: <https://doi.org/10.5281/zenodo.18491272>
10. Yadav, Maya. "Immune Booster Phytochemicals Used in Corona Treatment." *Indian Journal of Natural Sciences*, vol. 12, no. 67, Aug. 2021, pp. 32590–32595. doi: <https://doi.org/10.5281/zenodo.18525592>
11. Yadav, Maya. "MOOCs: Digital Literacy in Indian Higher Education." *Journal of Applied Science and Computations*, vol. 6, 2019, pp. 2640–2649. doi: [16.10089.JASC.2019.V6I2.453459.050010260](https://doi.org/10.25004/JASC.2019.V6I2.453459.050010260)
12. Yadav, Maya. "Biotechnology for Sustainable Agriculture and Livelihood Security: A Preliminary Review." *International Journal of Environmental Sciences*, vol. 7, no. 2, 2018, pp. 68–71. doi: <https://doi.org/10.5281/zenodo.18525687>
13. Yadav, Maya. "Microbial Biomass: An Important Indicator of Soil Fertility." *Annals of Multi-Disciplinary Research*, vol. 6, 2016, pp. 26–30. doi: <https://doi.org/10.5281/zenodo.18525847>

14. Yadav, Meenakshi, and Maya Yadav. "Kanya Bhrun Hatya: SamasyaevamNivaran." *World Journal of Applied Science and Research*, special issue, 2016, pp. 95–98. doi: <https://doi.org/10.5281/zenodo.18526007>
15. Yadav, Maya, Awadhesh Kumar Shukla, Navnita Srivastva, Siddh Nath Upadhyay, and Suresh Kumar Dubey. "Utilization of Microbial Community Potential for Removal of Chlorpyrifos: A Review." *Critical Reviews in Biotechnology*, vol. 36, 2015, pp. 727–742. doi: [10.3109/07388551.2015.1015958](https://doi.org/10.3109/07388551.2015.1015958)
16. Yadav, Maya, Navnita Srivastva, Awadhesh Kumar Shukla, Ram Sharan Singh, Siddh Nath Upadhyay, and Suresh Kumar Dubey. "Efficacy of *Aspergillus* sp. for Degradation of Chlorpyrifos in Batch and Continuous Aerated Packed Bed Bioreactors." *Applied Biochemistry and Biotechnology*, vol. 175, 2014, pp. 16–24. doi: [10.1007/s12010-014-1244-0](https://doi.org/10.1007/s12010-014-1244-0)
17. Yadav, Maya, Navnita Srivastva, Ram Sharan Singh, Siddh Nath Upadhyay, and Suresh Kumar Dubey. "Biodegradation of Chlorpyrifos by *Pseudomonas* sp. in a Continuous Packed Bed Bioreactor." *Bioresource Technology*, vol. 165, 2014, pp. 265–269. doi: <https://doi.org/10.1016/j.biortech.2014.01.098>
18. Maya, K., S. N. Upadhyay, R. S. Singh, and Suresh K. Dubey. "Degradation Kinetics of Chlorpyrifos and 3,5,6-Trichloro-2-Pyridinol (TCP) by Fungal Communities." *Bioresource Technology*, vol. 126, 2012, pp. 216–223. doi: <https://doi.org/10.1016/j.biortech.2012.09.003>
19. Maya, K., R. S. Singh, S. N. Upadhyay, and Suresh K. Dubey. "Kinetic Analysis Reveals Bacterial Efficacy for Biodegradation of Chlorpyrifos and Its Hydrolyzing Metabolite TCP." *Process Biochemistry*, vol. 46, 2011, pp. 2130–2136. doi: <https://doi.org/10.1016/j.procbio.2011.08.012>

Book/ Edited Book

1. Contemporary Climatic Issues and Challenges (A multidisciplinary Approach) - Edited Book (ISBN- 978-81-7975-959 (2018-2019)-Anamika Publishers & Distributers (P) LTD. Daryaganj New Delhi
2. Singh, Ranjit, Saumya Mishra, Amit Kumar Singh, and Maya Yadav. *Research Methodology in Life Sciences. Volume I*, Natals Publication, 2024. ISBN 978-81-19538-27-0.

Book/ Chapter in Book

1. Maya, and Rajkumar Singh Yadav. "Sustainable Development: Navigating Environmental Challenges through Political Governance." भारतीय संस्कृति में पर्यावरण संरक्षण परम्परा, edited by Dr. Anil Kumar Saini, Pustak Bharati, 2026, pp. 214–219. ISBN 978-1-998027-31-6. doi: <https://doi.org/10.5281/zenodo.18588665>.
2. Maya. "Waste-to-Energy Pathways: Technologies, Challenges and Green Opportunities." *Green Innovations in Waste Management*, edited by Aditi Sindhu and Bharti Chauhan, Ganga Prakashan, 2025, pp. 183–191. ISBN: 978-93-5514-308-2
3. Maya, and Raj Kumar Singh Yadav. "Integrating Vocational Education and Scientific Learning: A New Paradigm in NEP." राष्ट्रीयशिक्षानीति2020 एवंव्यावसायिकपाठ्यक्रम, edited by Prem Kumar Sagar, Ganga Prakashan, 2024, pp. 208–214. ISBN 978-93-5514-697-7.
4. Maya. "Digital Detox: Transforming E-Waste into Sustainable Solutions." *Emerging and Ecofriendly Trends of Waste Management: An Approach to Sustainable Development*, edited by Jyotsana Jaiswal and Reena Singh, Ganga Prakashan, 2024, pp. 252–262. ISBN: 978-93-5514-697-7
5. Maya. "Fostering Innovation and Entrepreneurship in Higher Education through Digital Literacy." उच्च शिक्षा में उद्यमिता एवं नवाचार, edited by वर्षा निगम, Ganga Prakashan, 2024, pp. 51–55. ISBN: 978-93-5514-586-4.
6. Maya. "Nurturing Values in a Tech-Driven World: From Chalkboards to Chatbots." मूल्यआधारितशिक्षाऔरआधुनिकतकनीक, edited by Keshav Singh Jatav, S. S. Gautam, Karan Singh, Amit Paderia, Akshay Kumar Jain, Anju Sihare, and Satish Mahaur, Kanak Prakashan, 2024, pp. 117–124. ISBN 978-81-974477-1-6.
7. Maya. "From Raindrop to Reservoir: Innovations and Strategies for Water Conservation." *Jal Sanrakshan: Vartaman evam Bhavishya ki Awashyakata*, edited by Deependra Tiwari, Kanak Prakashan, 2023, pp. 162–170. ISBN 978-93-91922-55-9.

8. Maya. "Conserving Our Protective Shield: The Ozone Layer and Environmental Challenges." *Ozone Sanrakshan: Ek Chunauti*, edited by Sanjay Kumar Singh, Shweta Srivastava, and Abhishek Singh, Ganga Prakashan, 2022, pp. 207–218. ISBN 978-93-5514-073-9.
9. Yadav, Maya. "Contemporary Environmental Issues and Relevance of Gandhian Thought." *Relevance of Gandhian Thought*, edited by Awadhesh Kumar and Gautam Gupta, co-edited by Bhawana Singh, Akhand Publishing House, 2021, pp. 40–48. ISBN 978-93-90870-49-3.
10. Yadav, Maya, and Shweta Singh. "Innovation and Sustainable Development." *Environmental Aspect of Alternative Energy Sources*, edited by Madhu Tiwari and Abhimanyu Yadav, Bharti Publications, 2020, pp. 143–148. ISBN 978-93-89657-43-2.
11. Yadav, Maya, and Shweta Singh. "Scenario of Indian Woman Scientists." *Status of Working Women in India*, edited by Awadhesh Kumar and Varsha Rani, Akhand Publishing House, 2020, pp. 22–30. ISBN 978-81-947937-2-4.
12. Singh, Bhawna, and Maya Yadav. "महिला सशक्तिकरण: एक विश्लेषण." *प्रगतिशील स्त्री विमर्श*, edited by Gaurav Tripathi and Kamini Verma, Akhand Publishing House, 2019, pp. 76–81. ISBN 978-93-88998-43-7.
13. Yadav, Maya. "Strategies and Management of Efficient Microbes for Bioremediation." *Sustainable Practices for Natural Resource Management through Biological Tools*, edited by Rajani Srivastava, Bharti Publications, 2019, pp. 155–162. ISBN 978-81-942473-5-7.
14. Yadav, Maya. "Application of Bioremediation Technology for Sustainable Agriculture." *Contemporary Climatic Issues and Challenges (A Multidisciplinary Approach)*, edited by Maya Yadav, Varsha Rani, and Awadhesh Kumar, Anamika Publishers & Distributors (P) Ltd., 2019, pp. 31–43. ISBN 978-81-7975-959-2.
15. Yadav, Maya. "Organic Farming and Sustainability of Agricultural Systems." *Ecocentric Thought and Action: A Need for Human Existence*, edited by Gautam Gupta and Brajesh Singh, K. R. Publishers & Distributors, 2018, pp. 113–119. ISBN 978-93-88-179-07-2.
16. Yadav, Maya, Bhawna Singh, and Shweta Singh. "Global Climate Change, Its Consequences, and Sustainable Development." *Environmental Issues: A Multidimensional Perspective*, edited by L. Yadav and G. Tripathi, Adhyayan Publishers & Distributors, 2017, pp. 39–43. ISBN 978-81-8435-600-7.
17. Dubey, S. K., P. Vishwakarma, A. K. Shukla, K. Maya, A. K. Singh, and A. Singh. "Metabolic Engineering: A Multifarious Promising Tool of Post Genomic Era." *Plant Genome, Diversity, Conservation and Manipulation*, edited by B. K. Roy, B. R. Chaudhary, and R. P. Sinha, Narosa Publishing House, 2011, pp. 59–68. ISBN 978-81-8487-113-5.

Conference/Workshop/Webinar Organization

1. One Day National Virtual Workshop in Microbiology, organized by Dr. Shyama Prasad Mukherjee Government Degree College, Bhadohi, in collaboration with Experiome Biotech Private Limited, Lucknow, Uttar Pradesh, 20 Mar. 2024. Act as **Organizing secretary**.
2. One Day National Virtual Workshop in Molecular Biology, organized by Dr. Shyama Prasad Mukherjee Government Degree College, Bhadohi, in collaboration with Experiome Biotech Private Limited, Lucknow, Uttar Pradesh, 19 Mar. 2024. Act as **Organizing secretary**.
3. National Seminar entitled "Social, Economic, Health and Environmental Challenges of India and Their Solutions in Perspective of COVID-19 Pandemic" sponsored by the Department of Higher Education, Uttar Pradesh, and organized by Dr. Shyama Prasad Mukherjee Government Degree College, Bhadohi, Uttar Pradesh, 27–28 Mar. 2022.; Act as **co-convener**.
4. National Seminar entitled "Relevance of Gandhian Thought and Global Challenges Faced by Contemporary India" sponsored by the Department of Higher Education, Government of Uttar Pradesh, Lucknow, and organized by Dr. Shyama Prasad Mukherjee Government Degree College, Bhadohi, Uttar Pradesh, 28 Feb.–1 Mar. 2021.; Act as **member of the organizing committee**.
5. International Webinar by Internal Quality Assurance Cell (IQAC) Dr. Shyama Prasad Mukherjee Government Degree College Bhadohi Uttar Pradesh India. June 07th & 08th, 2020, On Pandemic Covid-19: Current Scenario and Future Prospects with Reference to India, Act as **Organizing Secretary**.

6. National Seminar entitled “Eco-centric Thought and action: A need for human existence” sponsored by Department of Higher Education and organized by Dr. Shyama Prasad Mukherjee Govt Degree College Bhadohi on 24-25 February, 2018. (Act as **Organizing Secretary**).
7. National Seminar entitled “Climate change and its vast impact on human life and society” sponsored by Department of Higher Education and organized by Dr. Shyama Prasad Mukherjee Govt Degree College Bhadohi on 17-18 February, 2017. (Act as **Organizing Secretary**).

Conference/Workshop//Webinar Paper Presentations

1. “*Role of AI in Raising Human Consciousness: Vikshit Bharat @2047.*” विकसित भारत @2047 परम्परा, परिवर्तन एवं कृत्रिम बुद्धिमत्ता का समाहार (Two-Day International Conference), organized by राजकीय महाविद्यालय एकेडमिक सोसाइटी, उत्तर प्रदेश, 13–14 Dec. 2025.
2. “*Traditional Sanatana Knowledge and Modern Science: A Critical Scientific Discourse.*” **Exploring Sanatana Culture and Hinduism: Emerging Cultural Discourse in India**, sponsored by CSSR (NRC), 26–27 Sept. 2025.
3. “*Smart Restoration: AI-Driven Approaches to Revitalize Natural Habitats.*” **Two Days International Seminar on Ecosystem Restoration: Challenges and Opportunities in Indian Perspective**, organized by Bhagalpur National College, Bhagalpur, India, 7–8 Mar. 2025.
4. “*Environmental Stress and Global Challenges in Current Perspective.*” **International Conference on Environmental Stress and Global Challenges in Current Perspective**, 4–5 Mar. 2025.
5. “*Sociological Dimensions of NEP 2020: Transforming India’s Educational Landscape for a Sustainable Future.*” **National Seminar on Sociological Approaches to National Education Policy (NEP) 2020: Shaping Viksit Bharat 2047**, organized by the Department of Sociology, KPM Rajkiya Mahila Mahavidyalaya, Aurai, Bhadohi, Uttar Pradesh, and sponsored by the Indian Council of Social Science Research (ICSSR), 21–22 Feb. 2025.
6. “*Resilience through Biodiversity Conservation: A Sustainable Perspective.*” **ICSSR (NRC)–Sponsored National Seminar ‘Samagam’ on Sociological and Geographical Dimensions of Global Environmental Convergence towards Attaining Sustainable Development Goals**, organized by the Departments of Geography and Sociology, Nehru Gram Bharti, 1–2 Oct. 2024.
7. “*Technology and Transformation: Evaluating Digital India’s Impact.*” **National Seminar on Impacts of Digital Technology on Indian Society: Prospects and Challenges**, organized by the Department of Sociology, Sakaldiha P.G. College, Sakaldiha, Chandauli, Uttar Pradesh, India, and sponsored by the Indian Council of Social Science Research (ICSSR), New Delhi, 20–21 Jan. 2024.
8. “*From Vision to Action: Implementing NEP in Teacher Education Institutions.*” **National Seminar on the Challenging Scenario of Teacher Education in Reference to NEP 2020**, organized by Madhavan Memorial College of Education, Shivdham, Bounsi, Banka, Bihar, 15–16 Apr. 2023.
9. “*Equity and Employability in Education: Challenges and Strategies.*” **ICSSR-Sponsored National Seminar on National Education Policy 2020: Making Education More Inclusive and Employable**, organized by the Department of Sociology, Nehru Gram Bharti (Deemed to Be University), Prayagraj, Uttar Pradesh, 8–9 Apr. 2023.
10. “*Self-Reliant India: Promoting Ayurvedic Health Reforms for a Holistic Health Care System.*” **National Seminar on Self-Reliant India: Challenges and Prospects**, organized by the Faculty of Commerce, Kashi Naresh Government P.G. College, Gyanpur, Bhadohi, Uttar Pradesh, India, 24–25 Mar. 2023.
11. “*Contemporary Environmental Issues and Impact of the G20 Summit.*” **International Seminar on Prospects for Sustainable Global Growth and Indian Leadership at G20**, organized by Government Post Graduate College, Obra, Sonbhadra, Uttar Pradesh, 3 Mar. 2023.
12. “*Environmental Sustainability and Critical Thinking.*” **National Seminar on Biodiversity and Environmental Sustainability**, sponsored by the Department of Higher Education, Lucknow, Uttar Pradesh, and organized by the Department of Botany, K.N. Government P.G. College, Gyanpur, Bhadohi, Uttar Pradesh, 25–26 Mar. 2022.

13. *“Mentorship Workshop on DBT STAR College Scheme.”***Mentorship Workshop on DBT STAR College Scheme**, sponsored by the Department of Biotechnology, Government of India, New Delhi, and organized by Udai Pratap College, Varanasi, Uttar Pradesh, 29 Jan. 2022.
14. *“Contemporary Environmental Issues and Relevance of Gandhian Thought.”***National Seminar on Relevance of Gandhian Thought and Global Challenges Faced by Contemporary India**, sponsored by the Department of Higher Education, Government of Uttar Pradesh, Lucknow, and organized by Dr. Shyama Prasad Mukherjee Government Degree College, Bhadohi, Uttar Pradesh, 28 Feb.–1 Mar. 2021.; member of the organizing committee.
15. *“Revised NAAC Framework and Quality Enhancement Strategies.”***Three Days National Workshop on Revised NAAC Framework and Quality Enhancement Strategies**, organized by the IQAC of H.N.B. Government P.G. College, Naini, Prayagraj, Uttar Pradesh, 9–11 Jan. 2021..
16. *“Provisions for Innovation and Start-Ups in New Education Policy with Special Reference to Atmanirbhar Bharat.”***Webinar on Provisions for Innovation and Start-Ups in New Education Policy with Special Reference to Atmanirbhar Bharat**, organized by the Institution’s Innovation Council (IIC), K.N. Government P.G. College, Gyanpur, Bhadohi, Uttar Pradesh, 29 Dec. 2020.
17. *“E-Content–Related Workshop.”***Workshop on E-Content**, organized by the Regional Higher Education Office (RHEO), Jhansi, Uttar Pradesh, 22 Sept. 2020.
18. *“New Education Policy (NEP) 2020: Stepping towards Holistic and Multidisciplinary Education.”***National Webinar on New Education Policy (NEP) 2020: Stepping towards Holistic and Multidisciplinary Education**, organized by Dr. Shyama Prasad Mukherjee Government Degree College, Bhadohi, Uttar Pradesh, 30 Aug. 2020. Organizing member.
19. *“COVID-19 and Impact on Society and Environment.”***Global Web Conference on Pandemic COVID-19: Global Impact on Environment and Sustainable Development (PESD-2020)**, organized by the IQAC, DDU P.G. College, Saidabad, Prayagraj, India, 5–6 June 2020.
20. *“Use of Online Resources in the Teaching–Learning Process.”***Webinar on Use of Online Resources in Teaching–Learning Process**, organized by the Department of Chemistry, Uka Tarsadia University, Gujarat, 20 May 2020.
21. *“Post–COVID-19 World and the Pivotal Role of Science and Technology.”***International Webinar on Post–COVID-19 World and the Pivotal Role of Science and Technology**, organized by Government Raza P.G. College, Rampur, Uttar Pradesh, India, 17 May 2020.
22. *“Host Immunity and COVID-19.”***Webinar on Host Immunity and COVID-19**, organized by Mahamaya Government Degree College, Dhanupur, Prayagraj, Uttar Pradesh, 16 May 2020.
23. *“COVID-19: Changing Research Scenario.”***International Webinar on COVID-19: Changing Research Scenario**, organized by SSSV Government P.G. College, Chunar, Mirzapur, Uttar Pradesh, India, 15 May 2020.
24. *“Online Education: Challenges and Strategies during COVID-19.”***National Webinar on Online Education: Challenges and Strategies during COVID-19**, organized by the Faculty of Science, Netaji Subhash Chandra Bose Government Girls P.G. College, Aliganj, Lucknow, Uttar Pradesh, 13 May 2020.
25. *“Exploring Online Education: Tools, Problems and Possibilities.”***Webinar on Exploring Online Education: Tools, Problems and Possibilities**, organized by Km. Mayawati Government Girls’ P.G. College, Badalpur, Gautam Buddha Nagar, Uttar Pradesh, 3 May 2020.
26. *“Scenario of Indian Women Scientists.”***National Seminar on Status of Working Women in India: Issues, Challenges and Solutions (NSSWWI-2020)**, sponsored by the Department of Higher Education, Lucknow, Uttar Pradesh, and organized by Dr. Shyama Prasad Mukherjee Government Degree College, Bhadohi, Uttar Pradesh, 1–2 Mar. 2020. Organizing member.
27. *“Approaches of Sustainable Development.”***National Conference on Innovative Approaches towards Sustainable Development (NCIATSD-2020)**, sponsored by the Department of Higher Education, Uttar Pradesh, and organized by the Department of Physics, K.N. Government P.G. College, Gyanpur, Bhadohi, Uttar Pradesh, 9–10 Jan. 2020.
28. *“Nanomaterials and Bioremediation.”***First International Conference on Environment and Society (ICES 2019): Socio-Economic Challenges of Agriculture, Biodiversity, and Environment**, organized by GESA, New Delhi; HBTU, Kanpur; ABRF, India; and the Department of Biotechnology (DBT), New Delhi, 22–23 Dec. 2019.

29. *"Heal from Greens."* **National Conference on Heal from Greens**, 30–31 Mar. 2019.
30. *"Brain Storming Workshop on STAR College Scheme of DBT."* **Brain Storming Workshop on STAR College Scheme of the Department of Biotechnology (DBT)**, Government of India, organized by Udai Pratap (Autonomous) College, Varanasi, Uttar Pradesh, 24 Feb. 2019.
31. *"Organic Farming and Sustainable Agriculture."* **International Conference on Sustainable Development: Strategies and Emerging Trends (Interdisciplinary)**, organized by Netaji Subhash Chandra Bose Government Girls P.G. College, Aliganj, Lucknow, Uttar Pradesh, 16–17 Nov. 2018.
32. *"Use of ICT Tools in Higher Education."* **National Seminar on Digital India Programme—An Initiative to Transform the Nation: Emerging Issues and Challenges**, sponsored by the Indian Council of Social Science Research (ICSSR), Ministry of Human Resource Development (MHRD), New Delhi, and organized by the Department of Political Science, Government Girls P.G. College, 5–6 Oct. 2018.
33. *"Amendment of Pesticides and Possible Bioremediation Strategies."* **International Conference on Science Technology and Social Humanities (ICSTSH-2018)**, organized by the Department of Zoology, School of Life Sciences, Dr. Bhimrao Ambedkar University, Agra, India, in collaboration with the Society of Life Sciences, Satna, Madhya Pradesh, 26–28 Feb. 2018.
34. *"Bioremediation of Polycyclic Aromatic Hydrocarbons."* **National Seminar on Eco-centric Thought and Action: A Need for Human Existence** sponsored by the Department of Higher Education, Government of Uttar Pradesh, and organized by Dr. Shyama Prasad Mukherjee Government Degree College, Bhadohi, Uttar Pradesh, 24–25 Feb. 2018.
35. *"Research-Based Pedagogical Tools."* **Regional Workshop on Research-Based Pedagogical Tools**, funded by the Department of Biotechnology (DBT) and organized by the Centre of Excellence in Science and Mathematics Education, Indian Institute of Science Education and Research (IISER), Pune, and the Department of Physics, Banaras Hindu University, Varanasi, Uttar Pradesh, 17–19 Nov. 2017.
36. *"Role of Biotechnology for Sustainable Agriculture and Livelihood Security."* **National Seminar on Water and Soil Management for Agriculture and Livelihood Security under Climate Change**, jointly organized by Sunbeam College for Women and the Indian Council of Agricultural Research–Indian Institute of Vegetable Research (ICAR–IIVR), Varanasi, Uttar Pradesh, 8–9 Sept. 2017.
37. *"Bioremediation for Sustainable Development."* **National Symposium on Issues and Challenges in Ecological Sciences (ICES)**, organized by the Institute of Science, Banaras Hindu University, Varanasi, Uttar Pradesh, 23–25 Feb. 2017..
38. *"Biodegradation of Chlorpyrifos by Cyanobacteria in Rice Fields."* **International Conference on Molecular Biology of Stress Responses in Phototrophs (MBSR)**, organized by the Department of Biotechnology, Indira Gandhi National Tribal University, Amarkantak, Madhya Pradesh, India, 12–14 Nov. 2016.
39. *"Impact of Various Sports Events on the Environment."* **International Seminar on Various Aspects of Physical Education, Yogic and Allied Sciences**, sponsored by the University Grants Commission (UGC), New Delhi, and organized by the Department of Physical Education and Yoga, Mahatma Gandhi Kashi Vidyapeeth, Varanasi, India, 27–28 Sept. 2016.
40. *"Bioremediation of Heavy Metal Toxicity."* **National Conference on Vistas of Scientific Approach for Welfare of Society**, organized by the Department of Botany, K.N. Government P.G. College, Gyanpur, Bhadohi, Uttar Pradesh, 30–31 Mar. 2016.
41. *"Sex Determination Is a Curse of Society."* **National Seminar on Role of Education in Preventing Female Foeticide**, 5 Mar. 2016.
42. *"Recent Techniques for the Detection of Microbial Community Involved in Bioremediation."* **National Seminar on Emerging Trends in Life Sciences: Biodiversity, Biotechnology and Environmental Conservation**, organized by the Department of Botany, Government P.G. College, Obra, Sonbhadra, Uttar Pradesh, India, 15–16 Mar. 2015. Oral
43. *"Bioremediation: Interaction of Pesticides with Soil Microflora."* **International Symposium on Innovations in Educational, Environmental and Health Research (ISIEEHR)**, organized by the Society for Educational Development and Environmental Research, Varanasi, Uttar Pradesh, India, 23–24 Feb. 2015.
44. *"Degradation of Chlorpyrifos in Batch Aerated Packed Bed Bioreactors by Aspergillus sp."* **National Seminar on Sustainable Development: Environmental Awareness for a Secured Future**, organized by the IQAC and

Department of Botany, S.S.S.V.S. Government P.G. College, Chunar, Mirzapur, Uttar Pradesh, India, 6–7 Feb. 2015.

45. *“Biodegradation and Bioremediation of Pesticide in Soil.”* **National Conference on Vistas of Environmental Awareness**, organized by K.N. Government P.G. College, Gyanpur, S.R.N. Bhadohi, and sponsored by the Department of Higher Education, Uttar Pradesh, Lucknow, 30–31 Mar. 2014.
46. *“Impact on Microbial Biomass due to Chlorpyrifos Residues in Tropical Soil.”* **National Conference on Strategies for Conservation of Degrading Ecosystem in the Present Scenario**, organized by S.B. P.G. College, Baragaon, Varanasi, Uttar Pradesh, 24–25 Dec. 2013.
47. *“Biodegradation of Agricultural Insecticide Chlorpyrifos by Fungal Communities.”* **National Symposium on Current Status and New Horizons of Ecological Sciences and Environmental Biotechnology**, organized by the Centre of Advanced Study in Botany, Banaras Hindu University, Varanasi, India, 1–3 Mar. 2013.
48. *“Degradation of Chlorpyrifos by Bacteria.”* **National Seminar on Environmental Concerns and Sustainable Development: Issues and Challenges for India**, organized by the Institute of Environment and Sustainable Development, Banaras Hindu University, Varanasi, India, 2–4 Mar. 2012.
49. *“Degradation of Chlorpyrifos and TCP by Fungal Communities.”* **International Conference on Mycology and Plant Pathology: Biotechnological Approaches**, organized by the Centre of Advanced Study in Botany, Banaras Hindu University, Varanasi, India, 27–29 Feb. 2012.
50. *“Bacterial Biodegradation of Agricultural Insecticide Chlorpyrifos.”* **National Conference on Environmental Degradation due to Human Activities and Suggestive Measures in Urban and Industrial Areas**, organized by S.B. P.G. College, Baragaon, Varanasi, Uttar Pradesh, India, 17–18 Dec. 2011.
51. *“Diverse Bacterial Community Involved in Degradation of Chlorpyrifos.”* **National Conference on Environmental Problems in India and Challenges to Plant Biologists**, organized by the Department of Botany, U.P. (Autonomous) College, Varanasi, Uttar Pradesh, India, 4–5 Feb. 2011.
52. *“Enrichment of Beneficial Microflora in the Rhizosphere to Degrade the Residual Toxicity of Pesticides.”* **Fourth International Conference on Plants and Environmental Pollution**, organized by the International Society of Environmental Botanists and the National Botanical Research Institute, Lucknow, India, 8–11 Dec. 2010.
53. *“सतत विकास पर्यावरण का समाधान.”* **National Seminar on समकालीन विकास जन्य पर्यावरणीय चुनौतियाँ**, sponsored by the University Grants Commission (UGC), New Delhi, and organized by Vasant Mahila Mahavidyalaya, Varanasi, India, 28–29 Sept. 2010..
54. *“Biodegradation of Isoprene Using Diazotrophic Bacterial Community.”* **International Conference on Emerging Trends in Biotechnology (ETBT 2009): 6th Annual Convention of the Biotech Research Society of India**, organized by the Institute of Technology and the School of Biotechnology, Banaras Hindu University, Varanasi, India, 4–6 Dec. 2009.
55. *“Bacterial Degradation ... Growing Agroecosystem.”* **National Symposium on Current Challenges in Plant Sciences: Gene to Ecosystem**, organized by the Department of Botany, Banaras Hindu University, Varanasi, India, 24–25 Mar. 2009.
56. *“Studies on Trichloroethylene Degradation by Methanotrophs in Tropical Soils.”* **International Symposium on Microbial Biotechnology: Diversity, Genomics and Metagenomics**, organized by the University of Delhi, Delhi, India, 18-20 Nov. 2008.

Association with Professional Bodies/ Life Membership of Scientific Societies

- Biotech Research Society of India (BRSI)
- Association of Microbiologists of India (AMI)
- The Indian Science Congress Association (ISCA)
- U.P. Government College Academic Society
- Asian Biological Research Foundation Academy (ABRF)
- Global Academic Society (GAS) in 2020

Signature of Faculty Member