



Faculty Details Proforma



Title	Dr	First Name	Vidhi	Last Name	Chaudhary	Photograph
Designation		Assistant Professor				
Address		Delhi – 110007				
Phone No. Office						
Residence						
Mobile No.						
Email – ID		vidhi@dr.du.ac.in				
Web Page		Google Scholar Profile: https://scholar.google				
		ORCID Id: https://orcid.org/0000-0002-9431-62				
Educational Qualification						
Degree	Institution				Year	
Ph. D. Botany	Department of Botany, University of Delhi				2013	
M. Phil. Botany	Department of Botany, University of Delhi				2006	
M. Sc. Botany	Chaudhary Charan Singh University, Meerut				2004	
B. Sc. Biology	Chaudhary Charan Singh University, Meerut				2002	
Career Profile						
Citations: 2184 H – index: 17 i10-index: 19 - Eighteen Research Publications - Three Review Papers - Five Book Chapters - Seven articles in Manual/ Magazine/ Popular article - Several Oral and Poster presentations in International and national conferences - Successful Completion of three Innovation Projects Certificate of Appreciation for significant contributions in promoting sustainability - Recipient of several Best Paper Presentation Awards at national and international conferences Young Scientist International Women Empowerment Award, 2017 DST Travel Grant for attending Conference at Perth, Western Australia, 2011 Senior Research Fellowship in ICAR AMAAS Project, 2007-12						
Administrative Assignments						
Warden, Daulat Ram College Hostel (March 2024–Present). Hostel In-Charge, Daulat Ram College Hostel (October 2023–March 2024).						

University Examination Responsibilities

- Performed **University Examination Duties** (2013–Present), including theory and practical invigilation, practical external and internal examinership, evaluation of undergraduate theory answer scripts.
- Served as **Paper Setter - Convenor** or **Member** for undergraduate theory examinations of the **University of Delhi** across multiple academic sessions (2013 - 2026). Contributed to question paper setting for courses including **Phycology, Mycology, Mycology & Phytopathology, Microbiology & Phycology, Environmental Biotechnology**, and **Plant Ecology & Taxonomy** for B.Sc. (Hons.) Botany, B.Sc. Life Sciences, and Generic Elective programmes.
- Served as **Invigilator** for University and College recruitment examinations, including examinations for the posts of **Assistant Registrar** and **Multi-Tasking Staff (MTS) (Evaluator too)**.
- **Evaluator**, State-Level Camp (Level II), **Vidyarthi Vigyan Manthan (VVM) 2022–23**, India's national science talent search, organized by **Vijnana Bharati (VIBHA)** in association with **Vigyan Prasar (Department of Science & Technology, Government of India)** and **NCERT (Ministry of Education, Government of India)**.

Institutional Committees & Leadership Roles

Served in various academic, administrative, and student support roles at **Daulat Ram College, University of Delhi**, including:

- Internal Quality Assurance Cell (IQAC)
- NAAC Steering Committee
- College Annual Report Committee
- Ranking Committee
- Garden Committee
- Eco Club
- Campus Placement Cell
- Sports Board (including Team Manager)
- Gandhi Study Circle
- Library Committee
- Women Development Cell
- Canteen Committee
- Student Advisory Board
- Quiz Society
- Admission Steering Committee
- Staff Advisor, Botanical Society "Vasundhara"
- Staff Advisor, Life Science Association "Astitva"

Areas of Interest / Specialization

Plant Microbe Interaction, Microbial Biotechnology

Environmental Biotechnology, Mycology and Phytopathology

Subjects Taught

Teaching Experience

Over **13 years of undergraduate teaching experience** at **Daulat Ram College, University of Delhi**, teaching B.Sc. (Hons.) Botany, B.Sc. Life Sciences, Generic Elective (GE), Skill Enhancement Courses (SEC), and Environmental Studies.

Courses Taught:

- Phycology – The World of Algae
- Mycology and Phytopathology
- Plant Pathology
- Industrial and Environmental Microbiology
- Environmental Biotechnology
- Ecology and Conservation
- Plant Ecology and Taxonomy
- Plant Diversity and Systematics
- Plant Cell and Development Biology
- Economic Botany
- Ethnobotany
- Plant Biotechnology
- Biofertilizers
- Analytical Techniques in Plant Sciences
- Basic Laboratory Techniques in Sciences (BLTS)
- Hydroponics and Aeroponics Farming
- Viewing and Capturing Diversity in Nature (VCDN)
- Environmental Studies

Research Guidance

- Supervised **three B.Sc. (Hons.) Botany IV Year (NEP, 2025–26)** undergraduate dissertation projects in the areas of sustainable mushroom cultivation, aromatherapy using native Indian essential oils, and green synthesis of silver nanoparticles for antimicrobial and antidiabetic applications.
- Served as an **Advisory Committee for Research (ACR) Member** for a B.Sc. Life Sciences IV Year (NEP, 2025–26) research project on the synergistic effects of medicinal plants and biogenically synthesized silver nanoparticles for antimicrobial and antidiabetic activity.
- Served as a **Member of the Entrepreneurship Advisory Committee (EAC)** for the student work *Aquaculture Blooms* (B.Sc. (Hons.) Botany IV Year, NEP 2025–26).

Academic Leadership

- **Coordinator, Skill Development Centre on Hydroponics and Aeroponics** (Academic Session 2025–26)

Publications Profile

- **Research Publications:** Author/co-author of **18 research papers** published in peer-reviewed national and international journals, including *Journal of Basic Microbiology*, *European Journal of Plant Pathology*, *Applied Soil Ecology*, *World Journal of Microbiology and Biotechnology*, *Journal of Applied Phycology*, *The Journal of Physical Chemistry*, *Experimental Agriculture*, *Crop Protection*, and *Archives of Phytopathology and Plant Protection*.
- **Review Articles:** Published **3 review papers** in reputed journals and edited volumes on cyanobacterial biodiversity, bioactive compounds, and sustainable agricultural applications.

• Book Chapters: Authored/co-authored 5 book chapters on medicinal plants, wetland ecology, phytoremediation, and sustainable agriculture, published by reputed national and international publishers. • Manuals, Magazine Articles & Popular Science Writing: Authored/co-authored 13 articles in institutional manuals, botanical society magazines, workshop manuals, and outreach publications on environmental sustainability, medicinal plants, phytoremediation, food safety, micropropagation, cyanobacteria, microgreens, and science communication. One article, <i>Dark Oxygen: Exploring the Hidden Secrets of the Deep Sea</i> (2025), received Second Prize in an article writing competition. • Research Areas: Plant–microbe interactions, cyanobacteria, phytoremediation, environmental biotechnology, nanobiotechnology, medicinal plants, sustainable agriculture, antimicrobial and antidiabetic applications, and wetland ecology.
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Research Projects (Major Grants/Research Collaboration)

Innovation Projects • Principal Investigator (2025–Present): <i>Study of Synergistic Effect of Medicinal Plants and Biogenically Synthesized Silver Nanoparticles Obtained from Laboratory/Mirror Waste for Antimicrobial and Antidiabetic Activity</i> (Navdhara Scheme, Daulat Ram College, University of Delhi). • Co-Principal Investigator (2023–2024): <i>Green the Red: A Sustainable Menstruation Initiative to Fight Period Poverty</i> (Navdhara Scheme, Daulat Ram College, University of Delhi). • Co-Principal Investigator (2015–2016): <i>Greener and Sustainable Approach to Control Water Pollution</i> (University of Delhi Innovation Project DR-311).
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Awards and Distinctions

• Certificate of Appreciation for promoting sustainability, 31st May 2025. • Young Scientist International Women Empowerment Award, 2017 • Recipient of several Best Paper Presentation Awards at national and international conferences: • I prize for Best Poster Presentation, Shivaji College, University of Delhi, 2016 • I prize for Best Poster Presentation, Agra Engineering College, Agra, 2012 • III prize for Best Poster Presentation, Perth, Western Australia, 2011 • DST Travel grant for attending <i>Rhizosphere3</i> International Conference at Perth, Western Australia from 25-30 September, 2011.
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Faculty Development & Professional Training

Successfully completed Faculty Development Programmes (FDPs), Faculty Induction Programme (FIP), Refresher Course, and professional certification courses in Research Methodology, NEP implementation, Hydroponics and Aeroponics, Organic Farming and Biofertilizers, MOOCs and E-content Development, and Intellectual Property Rights (IPR). These programmes were conducted by the University of Delhi, SGTB Khalsa College (PMMMNMTT), CCSHAU, Hisar, and the WIPO Academy, with Grade A/A+.
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Association with Professional Bodies

Type of Membership	Organization	Year of Membership (Start Date)
Life Member	Association of Microbiologists of India	20-11-2008

Life Member	Indian Network for Soil Contamination Research	November 2021
Member of Reviewer Board	Acta Scientific Agriculture	Since July 2020
Other Activities		
Editorial Contributions		
- Served as Editor/Editorial Team Member for the College Annual Report (2022, 2023), conference proceedings, departmental magazines, laboratory manuals, workshop manuals, and training manuals published by Daulat Ram College, University of Delhi. - Edited the Proceedings of the Symposium on Environment and Sustainable Development: New Perspectives (2019; ISBN: 9788193746622) and contributed to the preparation of academic manuals in Industrial & Environmental Microbiology, Biotechnology, Micropropagation, and INSPIRE Science Camp.		
Outreach & Science Communication		
- Authored articles on science, environmental sustainability, women's empowerment, and social awareness in institutional magazines and public platforms. - Contributed articles to Shreshtha Magazine (2023, 2026) published by the Women Development Cell, Daulat Ram College. - Published an article on the social issue of dowry in <i>Jansatta</i> on the occasion of International Women's Day (2021).		