




DEPARTMENT OF BOTANY
DYAL SINGH COLLEGE, UNIVERSITY OF DELHI
FACULTY DETAIL



Title	DR	First Name	NELLIE	Last Name	LAISRAM	
Designation		ASSISTANT PROFESSOR				
Address		E1B, GROUND FLOOR, VIJAY NAGAR, SINGLE STOREY, DELHI-110009				
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Web-Page						
Educational Qualifications						
Degree	Institution		Year			
Ph.D	University of Delhi, Delhi		2009			
M.Phil	University of Delhi, Delhi		2000			
M.Sc	Jiwaji University, Gwalior		1998			
B.SC	Manipur University, Manipur		1995			
Career Profile						
<p>Dr Nellie Laisram graduated from Manipur University, Manipur. She did her post graduation from Jiwaji University, Gwalior and obtained her M.Phil degree in Botany from the University of Delhi, Delhi on the dissertation entitled “ Cellular and Molecular Cytogenetics of the genus <i>Carthamus L.</i> under the supervision of Prof. S.N. Raina. Her Doctoral degree in Botany from the University of Delhi under the supervision of Prof. V.P. Singh on the thesis entitled “Studies on Microbial Antagonism: Application of Soil Bacteria Showing Biocontrol Potential Against <i>Fusarium spp.</i>” was awarded the “Prof. N.S. Rangaswamy Medal-2009” for the Best Ph. D thesis in Botany-2009.</p> <p>During her Ph. D, she participated in many conferences and seminars. She was awarded the “Jwala Prasad Award” for the Best Speaker at the International Conference held at Varanasi on the topic “Isolation and Screening of Antagonistic Strains of Bacteria against <i>Aspergillus flavus</i> and <i>Fusarium spp.</i>”. In: International Symposium on Integrated Management of Fungal Diseases (IMF): Technology, Development and Application, February 24-25, 2005.</p> <p>She also received the 2nd Best poster award at the National Symposium on Biodiversity, Biotechnology and Man: Interdependence and Future Challenges, 26-28 March, 2010 held at Govt. P. G. College, (HNBGU) Lansdowne, Pauri Garhwal, Uttarakhand on the topic “Biocontrol potential of <i>Pseudomonas fluorescence</i> against <i>Fusarium spp.</i>”.</p>						

She joined the teaching faculty as a Guest Lecturer in Miranda House, University of Delhi, Delhi from August 3, 2009- March 23, 2010. She then joined S.G.T.B Khalsa College, University of Delhi as Assistant Professor (Adhoc) from October 21, 2010- June 7, 2011. She was then appointed as Assistant Professor (Adhoc) at Dyal Singh College, University of Delhi, Delhi from September 21, 2011 and since then she has been teaching in the Department of Botany till date.

She was a **Co-Investigator** in the Innovation project DSC 202, “**Screening of Local Anaesthetics for antifungal/antimicrobial activities**” sanctioned by the University of Delhi, 2014-2015.

An e-lesson “**Monocot and Dicot Root**” 2015 was also developed under MHRD project “National Mission on Education Through ICT” Discipline: Botany Paper: Plant Anatomy Lesson Developer: **Dr Nellie Laisram**, Dr Anita Rani and Dr AK Maurya Department of Botany, Dyal Singh College.

Dr Nellie also delivered a **talk** on “Biological Control of Plant Pathogens” at Dhanamanjuri University, Manipur on 15th June, 2019 for the P.G students.

She was also awarded the ‘**DD Koshambi Teacher-mentor award, 2019**’ for her contribution to collaborative biology research, CUBE by Homi Bhabha Centre for Science Education, Tata Institute of Fundamental Research, Mumbai.

She is also involved as a **Resource person** for the creation and development of 10 videos for the course **TS-5: Ecology, Environment and Tourism MOOCs offered by School of Tourism and Hospitality Services Management on SWAYAM platform of Government of India, 2021-2022.**

Administrative Assignments (From 1st July 2017 onwards)

- i) Convenor, **Admission Committee** (2023-2024) B.Sc (Hons.) Botany, Department of Botany, Dyal Singh College, University of Delhi
- ii) Nodal person, **Science SETU** programme, a bridge programme between National Institute of Immunology (NII) New Delhi and Dyal Singh College, University of Delhi.
- iii) Member, **College Garden Committee** (2023-2024), Dyal Singh College, University of Delhi.
- iv) Member, **North East Cell**, Dyal Singh College (2023-2024), University of Delhi.
- v) Co-Convenor, Alumni association, Department of Botany, Dyal Singh College, University of Delhi
- vi) Convenor Botanical Society (2021-2022, 2017-2018)
- vii) Co-Convenor -Botanical Society (2018, 2019, 2020)

Areas of Interest / Specialization

INDUSTRIAL MICROBIOLOGY & ETHNOBOTANY

Subjects Taught

Anatomy of Angiosperms, Industrial & Environmental Microbiology, Plant Systematics, Medicinal Botany, Ethnobotany, Analytical Techniques in Plant Sciences, Phycology & Microbiology, Biodiversity, Plant Anatomy & Embryology.

Research Guidance

Mentored 20 students for “Summer Internship Programme” from July 01 to 15th, 2019 on the topic, “Isolation and screening of bacterial and fungal strains from the rhizosphere of various plants and screening for their antagonistic potential against plant pathogens and ability to degrade soil pollutants” at Dyal Singh College, University of Delhi.

Publications Profile (From 1st July 2016 onwards)

- **Laisram N**, Rahman Z and Singh VP. 2023. Antagonistic activity of *Pseudomonas fluorescens* Strain X1 against different Fusaria and it's in vivo analysis against *Fusarium udum* infected Pigeon pea. **Current Microbiology**. 80. Article no: 98
- Srivastava S, **Laisram N** and Singh VP. 2018. *In vitro* secondary metabolite production from the roots of *Decalepis arayalpathra* KMA 05 clones and its antimicrobial properties against *Methylobacterium* sp. VP103 as an elicitor. European Journal of Experimental Biology. Vol 8 No 3:17 ISSN 2248-9215.
- Srivastava S, **Laisram N** and Singh VP. 2017. Bio-Priming of Tissue Culture Raised *Decalepis arayalpathra* (J. Joseph & V. Chandras.) Venter, KMA 05 Clones with the Phyllospheric Bacterium, *Methylobacterium* sp. VP103 and its Biocontrol Potential. Vegetos (Special) 30:44-54. ISSN: 0970-4078.
- **Laisram N**. 2019. Ethnomusicology. In: Ethnobotany Vol. 2. Pp.206-214. ISBN 10:819338055X

Conference Organization/ Presentations (From 1st July 2016 onwards)

- Presented a poster entitled, “**Loktak-The Only Floating Lake in the World and its Sustainability**” in the Faculty Development Programme on ‘Environment Sustainability and Higher Education’ at Dyal Singh College, University of Delhi from June 04-11, 2018.
- Presented a poster at the National Conference on Challenges and Strategies to Improve Crop Productivity in Changing Environment: An Integrated Approach on” **Elicitors as a Tool for Production of Secondary Metabolites from Cell Cultures**” organized by Department of Botany, Zakir Hussain Delhi College, University of Delhi on January 12, 2018.
- Poster presented at the National Conference on Plant Science Research: Looking beyond 21st Century for Environmental and Agricultural Revolution at Department of Botany, Delhi University Srivastava, S., **Laisram, N**, Rahman, L. and Singh, V.P. 2016 “**Evaluation of 2H4MB (2-hydroxy 4-methoxy benzaldehyde) and its Antimicrobial Properties in the Roots of *Decalepis arayalpathra* (Joseph & Chandras) (KMA 05) Clones using Silver Nitrate Stress: An *in-vitro* Approach**”, February 5-7, 2016.
- Member, organizing committee in the “**National Symposium on Bioimaging**”, February 19, 2020 organized by the Department of Botany, Dyal Singh College, University of Delhi
- Co-Convenor in One day workshop on “**Recent Trends in Plant Systematics and Future Prospects**”, March 12, 2019 organized by the Department of Botany, Dyal Singh College, University of Delhi.

<ul style="list-style-type: none"> Member of the Organizing Committee on the National Seminar on “Intellectual Property Rights: Copyright and Biopiracy Issues”. September 17, 2021.
Research Projects (Major Grants/Research Collaboration) (From 1 st July 2016 onwards)
N.A
Awards and Distinctions (From 1 st July 2016 onwards)
1. Awarded the “ D D Kosambi Teacher Mentor Award 2019 ” for exemplary contribution to collaborative biology research by Collaboratively Understanding Biology Education (CUBE) , Homi Bhabha Centre for Science Education, TIFR, Mumbai from 16 th to 18 th August, 2019.
Association With Professional Bodies
<ol style="list-style-type: none"> Life-member of International Society of Plant Morphologists. Life-member of Delhi University Botanical Society (DUBS).
Other Activities like MOOCs/ Patents etc. (From 1 st July 2016 onwards)
Involved as a Resource person for the creation and development of 10 videos for the course TS-5: Ecology, Environment and Tourism MOOCs offered by School of Tourism and Hospitality Services Management on SWAYAM platform of Government of India, 2021-2022

Nellie Daisram

Signature of Faculty Member