



Dr. Lakhvinder Singh

**ASSISTANT PROFESSOR, DEPARTMENT OF BOTANY, J&K HIGHER EDUCATION
DEPARTMENT**

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Professional Summary

Botany educator and researcher with over 16 years of teaching experience across Higher and School Education Departments. Extensive involvement in academic coordination, NAAC IQAC activities and scientific outreach. Active contributor to research on *Allium sativum* with multiple publications in peer-reviewed journals and book Chapters. Qualified CSIR-UGC NET, recipient of DST-JRF for a research project on garlic and participant in over 30 national/international academic events.

Academic Qualifications

- Certificate Course - SWIFT INDIA (6 months Computer Course, NIIT)
- B.Sc. (Botany, Chemistry, Zoology)-University of Jammu, 2003- First Division
- M.Sc. Botany - University of Jammu, 2005 - First Division
- CSIR-UGC NET - Life Sciences, 2006
- Ph.D. in Botany - University of Jammu, 2013 (Topic: Analysis of cytogenetic and molecular variability in *Allium sativum* Linn.)

Service Record

Lecturer (Botany), J&K School Education Dept. (2010-2017)

- Govt. Higher Secondary School Temisgam, Leh-Ladakh (2010-2012)
- Govt. Higher Secondary School Rehal, Bishnah (2012-2016)
- Govt. Higher Secondary School Dori Dager, Akhnoor (2016-2017)

Assistant Professor (Botany), J&K Higher Education Dept.(2017-Present)

- GDC Reasi (2017-2020)
- GGM Science College Jammu (2020-2025)
- GDCW Kathua (2025-Present)

Research Publications

- Optimization of DNA isolation and PCR protocols for RAPD analysis of *Allium sativum* - Indian J. of Botanical Research (2009)
- Some traditionally cultivated vegetables of Leh, Ladakh -Journal of Plant Development Sciences (2010)
- *Allium sativum* - Potential elixir of life - Journal of Plant Development Sciences (2013)
- Analysis of morphological variability in the Indian germplasm of *Allium sativum* L. - Plant Systematics and Evolution (2014)
- Quantification of phenotypic diversity in *Allium sativum* - Int. J. of Plant Reproductive Biology (2014)
- Medicinal Plants Used in Tribal Healthcare Practices for the Treatment of Gastrointestinal Ailments in UT of Jammu and Kashmir: A Review- Journal of Ethnobiology and Environmental Research (2026)
- Role of Meiosis in sterility of *Allium sativum* (Book chapter; SPC)- In press

FDPs and Refresher Courses

- Induction training- Govt. College of Education, Jammu (2017)
- Orientation - Ramanujan College, Delhi University (2020) - Grade A+
- FDP on Research Methodology (Equivalent to Refresher Course)- Govt. College of Education Jammu (2020)
- Refresher Course in Life Sciences – Madurai Kamaraj University (UGC-MMTTC), Dec 2024 - Grade A
- Refresher Course in Life Sciences –Savitribai Phule Pune University (UGC-MMTTC), Dec 2025 - Grade A

Awards and Recognitions

- First Prize - Elocution Competition, University of Jammu (2003)
- First Prize - Poster Presentation, 3rd J&K Science Congress (2008)
- Third Prize - Best Paper, NEHU Symposium on Biodiversity (2008)
- Research Fellowship (Research Project)- DST, Govt of India (2006-2010)
- Certificate of Appreciation - Wildlife Awareness Programme, GDC Reasi (2018)
- Certificate of Appreciation - NAAC Accreditation Coordination, GDC Reasi (2019)

Articles in Newspapers

- “A Clan of Warriors” – Daily Excelsior, 15 Sept 2013
- “Garlic – The Flavour of Life” – Daily Excelsior, 21 Jan 2018

- “Ladakh: A Self-Reliant Agrarian Economy” – Daily Excelsior, 16 Jan 2011
- “Amitabh Bachchan: From Crisis to Comeback” – Daily Excelsior, 29 June 2025

Memberships & Roles

— Life Member, Indian Botanical Society (Regd)

Academic Events & Conferences

- Indian Botanical Society XXX Conference - Gwalior, 2007
- Science Congresses - University of Jammu (2008, 2010, 2011)
- NEHU Symposium on Bio-complexity - Shillong, 2008
- International Conference on Ethnobiology - GDC Billawar, 2022

Workshops, Seminars & Webinars

- Cancer Genetics, Fluorescence *in situ* Hybridization Workshop - Mumbai, Jan 2008
- National Workshop on Reproductive Biology for Biodiversity Conservation - Jammu University, 2013
- Two Day National Workshop on Bryology - Department of Botany, University of Jammu, 2013
- Seven Day National Workshop on Recent Trends in Plant Ecophysiology - University of Jammu, 2018
- BGCI Training Workshop on Global Seed Conservation Challenge - University of Jammu, 2018
- Two day National seminar (Paper Presentation)- GDC Samba, December 2019
- National Seminar on Diversity and Reproduction in Plants & Microbes - University of Jammu, Feb 2020
- FDP on E-Learning Tools for Teaching and Learning - Govt. MAM PG College, June 2020
- Webinar on Nutrition & Wellness - GGM Science College, Jammu, June 2020
- Webinar on Development of e-Content & Avoiding Plagiarism - GCW Parade Ground, June 2020
- International Webinar on New Trends in Teaching - Hitkarini College, June 2020
- Webinar on Advanced Nano-Materials - H.K.M. College, Bandipora, June 2020
- Webinar on Climate Change & Sustainable Agriculture - CU Jammu, June 2020
- Workshop on Virtual Labs - GDC Kathua & IIT Bombay, Aug 2020

- FDP on Plants for Food and Health Care - Yogi Vemana University, August 2020
- Online Training Programme on Strengthening Rural Community Governance - NIRDPR Hyderabad, July 2021
- Workshop on CRISPR Genetic Engineering Technique - CytoGene, Aug 2021
- Webinar on Biodiversity Hotspots & Nutrition as Therapy - Mithibai College, Mumbai, Aug 2021
- Webinar on Plant Life in Antarctica - Shyampur College, Aug 2021
- International e-Conference on COVID-19 & Human Health - SS Jain Subodh PG College, Aug 2021
- National Seminar on Biodiversity - KK Wagh College, Nashik, Aug 2021
- National level Conference (Paper Presentation) - GDC Mendhar, March 2022
- National Webinar on Intellectual Property Rights - Shiv Chhatrapati College, Pune, March 2022
- FDP on Research Writing & Methodology (St. Clair College, Canada) - June 2022
- International Conference on Ethnobiology - GDC Billawar, Nov 2022 (Organizing Member & Presenter)
- National Webinar on Intellectual Property Rights – GDCW, Kathua, May 2025 (Coordinator)
- National Webinar on Intellectual Property Rights – GDCW, Kathua, May 2026 (Coordinator)

Outreach Activities

- Deputed Faculty - Medical Camp under Unnat Bharat Abhiyan (UBA), Makhnapur, Bishnah (March 2022)
- Organizing Member- Tree Talk, GGM Science College (March 2022)
- Resource Person - Mendelian Inheritance and Deviation, CBP by SCERT Jammu (Sept 2022)
- Deputed Faculty - IIT Jammu, UBA water sampling support (Nov 2022)
- Organizing Member - Tree Talk, GGM Science College (December 2022)
- Organizing Member & Presenter - International Conference (GDC Billawar, 2022)
- Resource Person - vLab Workshop- GCW Parade Ground, Jammu (February 2023)
- Organizing Member- Special Awareness Programme on Polythene Ban – Jammu Municipal Corporation (May 2023)
- Organizing Member – Placement drive, Dept of Botany, GGM Science College (Jan 2025)

— Organizing Member-Tree Talk on Botanical Tourism, GGM Science College (Feb 2025)

Key Institutional Roles and Responsibilities

Institutional Roles – GGZSM Degree College, Reasi

- Member, IQAC/NAAC Steering Committee (2018–2020)
- Member, College Development Committee (2019–2020)
- Member Admission committees (2018–2020)
- Convener, Science Club (2019–2020)
- Convener, Botanical Garden (2019–2020)
- Convener, Transport Committee (2019–2020)
- Convener, Library Committee (2019–2020)
- Co-Convener, Career Counseling & Placement Cell (2019–2020)
- Co-Convener, Environment Cell (2019–2020)
- Co-Convener, Campus Beautification Committee (2019–2020)
- Member, Research & Development Cell (2019–2020)

Institutional Roles – GGM Science College, Jammu

- Member, Examination Committee (2021–2025)
- Member, Discipline Committee (2020–2022)
- Member, Tour & Picnic Committee (2021–2022)
- Member, Machines/Scientific Equipment/Chemicals/Materials & Supply Committee (2021–2022)
- Member, Virtual Lab Committee (2021–2022)
- Member, Skill Centre for Food Processing Committee (2021–2022)
- Member, e-Content/Studio Facility Committee (2021–2022)
- Member, Digital Classroom Committee and IT Purchase Committee (2021)
- Member, Committee for Installation and Training of Digital Boards (2020)
- Member, Committee for Awareness Programme on Polythene Ban (2023)
- Member, Life Sciences Research Hub Review Committee – GCW Parade, Jammu (2021)
- Member, DPR Committee for NEP 2020 Implementation (2022)
- Member, Virtual Lab Nodal Centre Committee (2020–2021)
- Member, Nature/Wildlife Club Committee (2020–2022)
- Member, Research/Innovation/Incubation Committee (2024–2025)
- Member, Academic Arrangement Committee (2024–2025)
- Member, DPR/Ongoing Works Committee (2024–2025)
- Member, Building Taking Over Committee (2024–2025)
- Member Admission committees (2021–2025)
- Member, Time Table Committee (2023–2025)
- Member, Hostel Committee (2024–2025)
- Member, College Canteen Committee (2024–2025)
- Member, PMSSS Committee (2024–2025)

- Member, Heritage Club (2024–2025)
- Member, Solar Energy Awareness Programme Committee - GGM Science College, Jammu (2024-25)
- Department Coordinator of VLNC-205 (2024–2025)
- Convener, Digital Classroom Committee (2021–2022)

IQAC/NAAC & Quality Initiatives

- Member, IQAC/NAAC Steering Committee – GGM Science College (2021–2024)
- Member, NAAC Beautification and Procurement Committee – GGM Science College (2022)
- Member of Nodal Committee for *SASCI* Scheme under Nodal Principal (2025).

Student Support & Event Coordination

- Manodarpan Counsellor cum District Coordinator of Jammu District Colleges – Psychological cum Career Counseling Cell, Higher Education Dept., J&K (2020–2022)
- Faculty Coordinator – Student Participation in Kisan Mela (Nov 2022)
- Organizing Member – Placement Drive, Dept. of Botany (Jan 2025)

Institutional Roles – GDC for Women Kathua, Jammu

- Member, Organizing Committee, One day National Conference on AI (2025)
- Member, repair and renovation committee (2025-26)
- Member, Road Safety Club (2025-26)
- Member IIC (2025-26)
- Member, Career Counseling and Placement Cell (2026)
- Member, Examination Committee (2026)
- Member NSS advisory Committee (2026)

Election Responsibilities

- Presiding Officer – LAHDC Election, Leh-Ladakh (2010)
- Presiding Officer – Panchayat Election, Leh-Ladakh (2011)
- Election Supervisor – Bishnah Constituency, J&K Assembly Elections (2014)
- Returning Officer – Chassana Tehsil, Mahore (Panchayat Election, 2018)
- Sector Magistrate – R.S. Pura-Jammu South (Lok Sabha Election, 2024)
- Sector Magistrate – R.S. Pura-Jammu South (J&K Assembly Election, 2024)

This CV is current as of June 2026.