

DR. JASVEEN DUA
Associate Professor
Department of Botany
GGDSD COLLEGE, Chandigarh
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DOB: October 19th, 1966



Educational Qualifications

Ph.D.in Botany

Department of Botany, Panjab University Chandigarh, India

Ph.D. Supervisor: Prof. (Dr.) Harvinder Cheema, Panjab University Chandigarh, India

Qualified UGC(NET) in Life Sciences (1988)

M.Sc (Botany) - Department of Botany, Panjab University, Chandigarh, India (1986-1988)

Bachelor of Science (Medical) Govt. College, Faridabad, Haryana, India (1984-1986)

Teaching/Research Experience

- August, 1996 - 2016
Assistant Professor, Department of Botany, GGSD College, Sector 32-C, Chandigarh
- August, 2016 till date
Associate Professor, Department of Botany, GGSD College, Sector 32-C, Chandigarh

Areas of Interest

- Plant Tissue Culture, Ecotoxicology

Minor Research Projects

- Principal Investigator in a Minor Project, “Physico-Chemical Characterization of effluents and Toxicity study of Lead as a pollutant in samples collected from different industries in and around Chandigarh”. (Funded by DST, Chandigarh Admn.)
- Co-Investigator in a Minor Project “Use of Foldscope as a Educational and Training tool”. (Funded by Department of Biotechnology, Ministry of Science and Technology)
- Principal Investigator in a Minor research project, “Isolation, screening of PHA producing bacteria from diverse areas of Chandigarh. (Funded by DST, Chandigarh Admn)
- Co-investigator in a Minor Project, “Microbial and biochemical studies of different water including sewage water (containing Industrial effluent) in and around Chandigarh with the focus on plant growth”, (Funded by DST, Chandigarh Admn.)
- Principal investigator in a Minor Project “Tissue culture and biochemical studies in different species of *Chlorophytum borivillianum.*” (Funded by UGC)
- Co-Investigator in a Minor Project “Study the potential of Plant and Agri residues for removal of dyes from effluents

and Waste water”. (Funded by DST, Chandigarh Admn.)

Publications
(Journal/Book Chapters)

Journal Publications:

- **Dhawan Samriti and Dua J. (2022).** A Gizmo To Facilitate Learning In The Real World –Students’ Opinion In ‘Foldscope & its Applications. Vol.-II *National Press Associates*. Pg.168-173. ISBN: 978-93-90863-51-8.
- **Dhawan, S and Dua J. (2021).** Foldscope™ as a Teaching and Learning Tool: An Indian Perspective. *Bioscene* Vol. 47 (1): 64-71.
- **Dua J. (2020).** ‘Forests’ In Drug Abuse: Extent, Prevention and management of Drug Abuse, Mohindra Publishing House (National). ISBN 978-93-86558-26-8
- **Dua J. (2018).** ‘Forests’ In Drug Abuse: Extent, Prevention and management of Drug Abuse, Mohindra Publishing House (National). ISBN: 978-93-82068-26-8

**Seminars/
Conferences/Symposiums**
(Paper Presented)

- **Dhawan Samriti and Dua J (2024).** Scope of Millet cultivation in Punjab- An Overview in International Seminar on Sustainable Development in India: Strategies and Way Ahead, sponsored by ICSSR North Western Regional Centre held on 27th Feb. 2024 at GGSDS College, Chandigarh.
- **Dhawan Samriti and Dua J (2023).** Explorations on Coix lacryma-jobi L. – a forgotten millet with great potential in the National Seminar on Biosustainability: Concerns and Challenges organized by Biodiversity club and Department of Botany, Vimala College (Autonomous), Thrissur, Kerala, supported by Kerala State Biodiversity Board, Government of Kerala, Thiruvananthapuram on December 12-13, 2023
- **Shivani Saini, Dua J, Dhawan, Samriti, (2022).** Effect of lead toxicity on growth parameters of wheat in National Conference ON "Current Scientific Innovations and Research in Plant Biology" CSIR-PB 2022, held at Eternal University, Himachal Pradesh on 27-28th May. 2022.
- **Dhawan, Samriti Dua J. (2021).** A Pedagogical Tool for Effective Teaching and Learning in Biological Science. In Proc of 65th Annual meeting of Association of College and University Biology Educators, (ACUBE) on 16th Oct, 2021, organized by **University of Portland, USA.**
- **Dhawan Samriti, Srishti, Preeti and Dua J. (2020).** “An Innovative teaching and learning tool-its Explorations,” in National Symposium On "Biotechnology: Trends and Innovations, held at GGSDS College, Chandigarh on 7-8 Feb. 2020
- **Dhawan, Samriti, Dua J (2019).** A simple pest identification tool for its Potential application in agriculture” in NATIONAL SYMPOSIUM ON "Recent advances in Agriculture and Plant sciences" RAPAS 2019, held at SGGSWU, Fatehgarh Sahib, Punjab on 15-16th Mar. 2019.

- **Dhawan Samriti, Shubhangi, Dipti and Dua J. (2018).** A Frugal Microscope-Foldscope and its multifarious applications. In Proc of Nat Conf. BiocAMP, 1st -2nd Nov. 2018, Panjab University, Chandigarh organized by, Department of Biotechnology, Society for Biological Engineering (SBE-UIET), Panjab University, Chandigarh Sponsored by – TEQIP-III.
- **Dhawan, Samriti, Dua J (2015).** Microbial Production of PHA from Bacterial Strains isolated from Landfill Sites and Sukhna Lake water. . In Proc of **Internat** Indo-UK workshop on sustainable polymer applications (IUWSPA-2015) 8th-9th Dec. 2015. Thapar University, Patiala.
- **Dhawan Samriti and Dua J. (2014).** Isolation and screening of poly-hydroxyalknoate producing bacteria from diverse habitats of Chandigarh. In Proc of Nat Conf. Emerging Horizons Sc. And Technol. (EHST-2014); SGGSWorld Univ. Punjab.
- **Dua J and Dhawan Samriti. (2014)** Incidence of Alzheimer’s in India and its social implications In Proc of Nat Conf. Emerging Horizons Sc. And Technol. (EHST-2014); SGGSWorld Univ. Punjab.

Refresher Courses/FDP/Workshops/Training Programs

- Attended an online Training Programme on “NEP Orientation & Sensitization” organized by MMTTC Panjab University February 16 to February 29, 2024
- One-week faculty skill development programme on “**Biological Data Analysis & Data Science**” organized by Department of Bioinformatics & Biochemistry GGSDS College Chandigarh under RUSA, U.T. Administration, Chandigarh from 27thFebruary – 4th March, 2020.
- One-week National online Teacher/ FDP on “E-learning and ICT Tools for effective Teaching & learning” organized by Aravali College of Advanced Studies in Education Pali, Faridabad from June 8-13, 2020
- Virtual FDP on Emotional Intelligence organized by ICT Academy from April 29 - May 5, 2020.
- Attended UGC Sponsored Refresher course 25 May to 14 June 2013
- Attended UGC Sponsored Refresher course 15 June to 5 July 2012

Invited Talks

- “Millets: The Smart crops of the Millenium” at SCERTG, sec 32 Chandigarh in November 2024
- “The Training Programme on Agri-Business and Agri-Business Centers” conducted by Regional Institute of Co-operative Management (RICM), Chandigarh for Masters/Graduates in Agriculture in on 6-7 February 2020.
- “Role of Biotechnology in India” at GMSS School, sec 23- Chandigarh in May 2006

Awards/Recognitions

- Received Letter of Appreciation from Director, Environment, Chandigarh Administration for leading the environment awareness activities among the students (2022-23)

Administrative Experience

- Controller of Examinations (2024 till date)
- IQAC Coordinator (2018-2023)
- Coordinator Scholarships (2015-2018)

- Co-ordinator Bioinformatics (2004-2011)

DR. JASVEEN NAME
FACULTY NAME