



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



Title	Dr.	First Name	Chitrlekha	Last Name	P.	Photograph
Designation		<b>Associate Professor</b>				
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Web-Page		-				
<b>Educational Qualifications</b>						
Degree		Institution			Year	
B.Sc.(H) Botany		University of Delhi			1979	
M.Sc. Botany		University of Delhi			1981	
M.Phil.		University of Delhi			1982	
Ph.D.		University of Delhi			1987	
<b>Career Profile</b>						
<p>Permanent teacher in Department of Botany, Dyal Singh College, University of Delhi, since January, 1993. Temporary lecturer in Department of Botany, Maitreyi College, University of Delhi, from August, 1991 to December, 1992. Research Associate (C.S.I.R.) in Department of Botany, University of Delhi from March, 1989 to July, 1991. Research Associate in National Bureau of Plant Genetic Resources, from October, 1988 to February, 1989.</p> <ul style="list-style-type: none"> <li>● Have been teaching undergraduate students plant reproductive biology, cell biology, analytical techniques, plant taxonomy, plant metabolism and plant biotechnology.</li> <li>● Authored 10 research publications, and prepared two laboratory manuals along with a glossary of taxonomic terms for undergraduate students; three text modules for MOOCs for senior secondary school education, have been developed by her, facilitated by CIET, a constituent of NCERT.</li> <li>● Paper presented at the International Botanical Congress, Berlin, (1987), and at the XI international Symposium on "Embryology and Seed Reproduction", at Leningrad (1990).</li> <li>● Convened a workshop for teachers in 2015, on "Reproductive Biology of Angiosperms".</li> <li>● Identified trees in Dyal Singh College campus and created an eflora.</li> <li>● Nodal person of Science Setup programme, a bridge program between National Institute of Immunology, Delhi, and Dyal Singh College. Since the inception of the program in 2015, have facilitated around 57 students to intern with scientists at NII.</li> <li>● An active participant in CUBE (Collaboratively Understanding Biology Education) program, an initiative of HBCSE (Homi Bhabha Centre for Science Education) which is a National Centre for TIFR (Tata Institute of Fundamental Research), Mumbai.</li> <li>● Mentored 20 undergraduate students of Delhi University, in the 2019 summer internship program on microbiology organised by Dyal Singh College.</li> <li>● Was conferred with the Distinguished Teacher Award in 2009, by University of Delhi, the D.D. Kosambi CUBE Award 2018 and D.D. Kosambi CUBE Award 2019, for cultivating scientific temper by remodelling the curriculum at delivery stage, Anil Sadgopal CUBE Award 2019 &amp; 2020 for popularization of science, and S.K. Mahajan Award 2021 for popularization of scientific pursuit, conferred by Homi Bhabha Centre for Science Education, TIFR, Mumbai.</li> </ul>						
<b>Administrative Assignments (From 1<sup>st</sup> July 2017 onwards)</b>						
Additional Secretary in the Executive Council (2020-2025) of International Society of Plant Morphologists.						

<p>Member, College Garden Committee for the academic sessions 2019-2020, 2020-2021 and 2021-2022.</p> <p>Convener of student admission (2020) in the Department of Botany, Dyal Singh College.</p> <p>Teacher In-charge of Botany Department of Dyal Singh College from May, 2019 to April, 2020.</p> <p>Convener, Admission Committee of Botany Department for the academic sessions 2018-2019 and 2020-2021.</p> <p>In charge of garden and museum of Department of Botany, Dyal Singh College, for the academic session 2017- 2018.</p>
<p><b>Areas of Interest / Specialization</b></p> <p>Plant Reproductive Biology, Plant Structure, Analytical Techniques, Plant Physiology and Metabolism, Plant Biotechnology</p>
<p><b>Subjects Taught</b></p> <p>Plant reproductive biology, Cell biology, Plant metabolism, Plant taxonomy, Plant biotechnology, and Analytical techniques.</p>
<p><b>Research Guidance</b></p> <p>NA</p>
<p><b>Publications Profile (From 1<sup>st</sup> July 2017 onwards)</b></p> <p>Two research papers</p> <ol style="list-style-type: none"> <li>1. Gulati, S.; Chitralkha, P.; Pandit, M.A.; Katyal, R.; Bhandari, N.; Mehta, P.; Rawat, C.D.; Kaur, S.; Kaur, J. Diversity, Succession and Seasonal Variation of Phylloplane Mycoflora of <i>Leucaena leucocephala</i> in Relation to Its Leaf Litter Decomposition. <i>J. Fungi</i> 2022, 8, 608. <a href="https://doi.org/10.3390/jof8060608">https://doi.org/10.3390/jof8060608</a></li> <li>2. Chitralkha, P. &amp; Rani, Anita. <i>Cuscuta reflexa</i> Roxb. Parasitism: Structural Development of Adhesive Disk. Accepted for publication in journal "Phytomorphology".</li> </ol>
<p><b>Conference Organization/ Presentations (From 1<sup>st</sup> July 2017 onwards)</b></p> <p>Staff adviser in the 'National Symposium on Bioimaging', organized by Department of Botany, Dyal Singh College, on February 19, 2020.</p> <p>Member of organizing committee for workshop on "Biodiversity and Man", organized by Department of Botany, Dyal Singh College, University of Delhi, on March 12, 2019</p> <p>Member of organizing committee for workshop on "Recent Trends in Plant Systematics and Future Prospects", organized by Department of Botany, Dyal Singh College, in collaboration with Society for Ecological Research and Natural Resources Management (SERNRM) on June 05, 2020.</p>
<p><b>Research Projects (Major Grants/Research Collaboration) (From 1<sup>st</sup> July 2017 onwards)</b></p> <p>None</p>
<p><b>Awards and Distinctions (From 1<sup>st</sup> July 2017 onwards)</b></p> <ol style="list-style-type: none"> <li>(i) <b>D.D. Kosambi CUBE Award 2018</b>, for cultivating scientific temper by modeling the curriculum at the delivery stage, conferred by Homi Bhabha Centre for Science Education, TIFR, Mumbai.</li> <li>(ii) <b>D.D. Kosambi CUBE Award 2019</b>, for cultivating scientific temper by modeling the curriculum at the delivery stage, conferred by Homi Bhabha Centre for Science Education, TIFR, Mumbai.</li> <li>(iii) <b>Anil Sadgopal CUBE Award 2019</b>, for popularization of science &amp; cultivation of scientific temperament, conferred by Homi Bhabha Centre for Science Education, TIFR, Mumbai.</li> <li>(iv) <b>Anil Sadgopal Award</b> for popularization of science &amp; contribution to science outreach <b>2020</b>, conferred by Homi Bhabha Centre for Science Education, TIFR, Mumbai.</li> <li>(v) <b>S.K. Mahajan Award 2021</b> for popularization of scientific pursuit, conferred by Homi Bhabha Centre for Science Education, TIFR, Mumbai.</li> </ol>
<p><b>Association With Professional Bodies</b></p>

Life member of "The International Society of Plant Morphologists"  
Life member of "Association of Teachers in Biological Sciences"

Other Activities like MOOCs/ Patents etc. (From 1<sup>st</sup> July 2017 onwards)

Mentored 20 students (including students from other colleges) in a Summer Internship Program, "Isolation of bacterial and fungal strains from rhizosphere of various plants and screening for their antagonistic potential against selected plant pathogens and ability to degrade soil pollutants", held from 1st to 15th July, 2019, organized by Department of Botany, Dyal Singh College, under the aegis of Internal Quality Assurance Cell, Dyal Singh College.

P. Chitrlekha  
Signature of Faculty Member