




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



Title	Dr.	First Name	Ruchi	Last Name	Raina	Photograph
Designation		<b>Assistant Professor</b>				
Address		<b>LIG Flat #61, Ground Floor, Pocket 3, Paschim Puri, New Delhi 110063</b>				
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Web-Page						
<b>Educational Qualifications</b>						
Degree		Institution			Year	
Ph.D.		<b>Department of Botany, University of Delhi</b>			<b>2006</b>	
M.Phil.		<b>Department of Botany, University of Delhi</b>			<b>2002</b>	
M.Sc. (Botany)		<b>University of Meerut</b>			<b>2000</b>	
B.Sc.		<b>University of Meerut</b>			<b>1998</b>	
<b>Career Profile</b>						
<p><b>Dr. Ruchi Raina began her teaching career as a guest faculty in Botany department at Acharya Narendra Dev College, in 2005. She joined Shivaji College, University of Delhi, in 2007. She joined Rajdhani College, University of Delhi, in 2007 and served there for almost 11 years. She worked there in various committees and organized many seminars. She joined Dyal Singh College, University of Delhi, in 2019. She has a teaching experience of about 15 years. She has been teaching various papers to undergraduate students. She has 6 international and 2 national publications in Peer-reviewed journals. She has participated in various national and international conferences/symposium/workshops.</b></p>						
<b>Administrative Assignments (From 1<sup>st</sup> July 2016 onwards)</b>						
<ul style="list-style-type: none"><li>• Convener, Prakriti, The Botanical Society, Dyal Singh College.</li><li>• Co- convener Admission Committee for B.Sc. (Hons) Botany for the academic year 2023-24.</li><li>• Co- Convenor garden Committee for the year 2022-23.</li><li>• Member Botanical Society Dyal Singh College for academic year 2019-2023.</li><li>• Member admission committee for BSc. (Life Science) for the academic year 2020-21 and 2021-22.</li><li>• Member admission committee for Botany (Hons) for year 2019-20.</li></ul>						
<b>Areas of Interest/Specialization</b>						
Plant physiology, Plant tissue culture, Microbial study						
<b>Subjects Taught</b>						
Plant physiology, Intellectual Property Rights, Biodiversity, Embryology, Plant biotechnology, Cell & Molecular Biology, Analytical techniques, Phycology						

Research Guidance
N.A.
Publications Profile (From 1 <sup>st</sup> July 2016 onwards)
<p><b>Research Articles</b></p> <ol style="list-style-type: none"> <li>1. <b>Jain-Raina R.</b> Gelling agents for plant tissue culture media: a comparative study. International Journal of Innovative Research in Science and Engineering 2017; <b>3</b>: 324–331. [ISSN 2454-9665]</li> <li>2. Rani A., <b>Raina R.</b>, and Maurya A. K. (2022) Biodiversity conservation in India: Techno legal aspects in current scenario. Journal of Agroecology and Natural Resource Management. vol 9(1), pp 30-38.</li> </ol> <p><b>Chapter published</b></p> <ol style="list-style-type: none"> <li>1. Mazahar, S., <b>Raina, R.</b> 2022. Role of Phytohormones in Nitrogen Metabolism, in Yusuf, P.Y., Shabir, P.A., &amp; Hakeem, K.R. (Eds.). (2022). Advances in Plant Nitrogen Metabolism (1st ed.). CRC Press. <a href="https://doi.org/10.1201/9781003248361">https://doi.org/10.1201/9781003248361</a></li> <li>2. <b>Raina, R.</b>, Mazahar, S. 2022. Nitrogen: A Key Macronutrient for the Plant World, in Yousuf, P.Y., Shabir, P.A., &amp; Hakeem, K.R. (Eds.). (2022). Advances in Plant Nitrogen Metabolism (1st ed.). CRC Press. <a href="https://doi.org/10.1201/9781003248361">https://doi.org/10.1201/9781003248361</a></li> <li>3. Mazahar S., <b>Raina R.</b> 2023 Influence of gasotransmitters on the physiology of plants with respect to abiotic stress tolerance, signalling and communication in plants. In: M. Fatima et al (Eds.), Gasotransmitters signalling in plant abiotic stress, Springer Nature. <a href="http://doi.org/10.1007/978-3-031-30858-1_2">http://doi.org/10.1007/978-3-031-30858-1_2</a>.</li> </ol>
Conference Organization/Presentations(From 1 <sup>st</sup> July 2016 onwards)
<ol style="list-style-type: none"> <li>1 Poster presentation in Interdisciplinary National Conference entitled “Medicinal plants and intellectual property rights” organized by Botany department, Maitreyi College, University of Delhi.</li> <li>2. Worked as member organizing Committee in National symposium on Bioimaging, organized by Department of Botany, Dyal Singh College, University of Delhi.</li> <li>3. Participated in one week interdisciplinary FDP on “Environment sustainability and climate change” organized by Mahatma Hansraj Faculty Development Centre and Miranda House.</li> <li>4. Oral presentation on: Biodiversity conservation in India: status, challenges and strategies during National Conference on “Sustainable Environment Perspectives: A journey from ancient India” organized by Department of Botany, Deen Dayal Upadhyay College, University of Delhi, on 5-6 June, 2022.</li> <li>5. Successfully completed One day course workshop on “Ayurveda and Nutrition” organised by</li> </ol>

Value addition course committee (University of Delhi) in collaboration with Mahatma Hansraj Faculty Development centre, Hansraj college, University of Delhi on 20<sup>th</sup> October, 2022.

6. Worked as member organizing Committee in National symposium on “Recent Trends in Life Science Entrepreneurship in the Era of G20’ , organized by Department of Botany, Dyal Singh College, University of Delhi on April 15, 2023.

Research Projects (Major Grants/Research Collaboration) (From 1<sup>st</sup> July 2016 onwards)

N.A.

Awards and Distinctions (From 1<sup>st</sup> July 2016 onwards)

N.A.

Association with Professional Bodies

N.A.

Other Activities like MOOCs/ Patents etc. (From 1<sup>st</sup> July 2016 onwards)

N.A.



Signature of Faculty Member