




**DESHBANDHU COLLEGE**  
(UNIVERSITY OF DELHI)  
KALKAJI, NEW DELHI - 110019

**Faculty Details Proforma for College Website**

Title	<b>Miss.</b>	First Name	<b>Shubhangani</b>	Last Name	<b>Sharma</b>	Photograph
Designation	<b>Assistant Professor</b>					
Address	<b>Department of Botany, Deshbandhu College (University of Delhi), Kalkaji New Delhi-110019</b>					
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Residence Mobile	<b>6376992317</b>					
Email	ssharma1@db.du.ac.in					
Web-Page	<a href="https://sites.google.com/db.du.ac.in/shubhanganisharma/home">https://sites.google.com/db.du.ac.in/shubhanganisharma/home</a>					
Educational Qualifications						
Degree	Institution				Year	
M.Sc.	<b>University of Rajasthan, Jaipur (Rajasthan)</b>				<b>2017</b>	
B.Sc.	<b>Maharani's College, University of Rajasthan, Jaipur (Rajasthan)</b>				<b>2015</b>	
Any other qualification	<b>UGC-JRF(NET)</b>				<b>2017, 2018, 2019</b>	
	<b>GATE</b>				<b>2018</b>	
Career Profile						
Administrative Assignments						
Areas of Research Interest/Specialization						
<b>Biochemistry, Biophysics, Plant physiology, Photosynthesis, Chlorophyll fluorescence.</b>						
Subjects Taught						
Research Guidance						
NA						

*Research papers published in Refereed/Peer Reviewed Journals*

1. **Sharma, S.**, Bhatt, U., Sharma, J., Darkalt, A., Mojski, J., & Soni, V. (2022). Effect of different waterlogging periods on biochemistry, growth, and chlorophyll a fluorescence of *Arachis hypogaea* L. **Frontiers in Plant Science**, 13 [10.3389/fpls.2022.1006258](https://doi.org/10.3389/fpls.2022.1006258).
2. **Sharma, S.**, Bhatt, U., Sharma, J., Kalaji, H. M., Mojski, J., & Soni, V. (2022). Ultrastructure, adaptability, and alleviation mechanisms of photosynthetic apparatus in plants under waterlogging: A review. **Photosynthetica**, 430-444. <https://doi.org/10.32615/ps.2022.033>
3. **Sharma, S.**, Bhatt, U., Sharma, J., & Soni, V. (2022). Remodeling of antioxidant systems, chlorophyll contents, and productivity in peanut genotypes under waterlogging stress. **Journal of plant science research**.
4. **Sharma, S.**, Sharma, J., Soni, V., Kalaji, H. M., & Elsheery, N. I. (2021). Waterlogging tolerance: A review on regulative morpho-physiological homeostasis of crop plants. **Journal of Water and Land Development**.
5. **Sharma, S.**, Dev, H., Bhatt U., & Soni, V. (2022). Effect of short-term heat stress on photosynthetic performance in succulent plant *Cissus quardangularis* L. **Journal of plant science research**.
6. Singh, H., Raj, S., Kumar, D., **Sharma, S.**, Bhatt, U., Wróbel, J., & Soni, V. (2021). Tolerance and decolorization potential of duckweed (*Lemna gibba*) to CI Basic Green 4. **Scientific Reports**, 11(1), 1-12.
7. Bhatt, U., **Sharma, S.**, Kumar, D., & Soni, V. (2022). Impact of streetlights on physiology, biochemistry and diversity of urban bryophyte; a case study on moss *Semibarbula orientalis*. **Journal of Urban Ecology**. Oxford press.
8. Bhatt, U., **Sharma, S.**, & Soni, V. (2022). Differential photosynthetic responses in *Riccia gangetica* under heat, cold, salinity, submergence, and UV-B stresses. **Journal of Photochemistry and Photobiology**, 100146. <https://doi.org/10.1016/j.jpap.2022.100146>.
9. Bhatt, U., Mali, M., **Sharma, S.**, & Soni, V. (2022). Understanding physiological basis of senescence in *Ailanthus excelsa* leaves. **Journal of plant science research**.
10. Kumar, D., Singh, H., Bhatt, U., Sharma, J., **Sharma, S.**, Soni, V. (2022). Physiological performance of *Mimosa pudica* L. under different light quality and photoperiods. **Physiologia**.
11. Sharma, J., Singh, H., **Sharma, S.**, Kumar, D., Bhatt, U., & Soni, V. (2022). Rhodamine B induced alteration in antioxidant enzymes and photosynthetic performance of *Eichhornia crassipes*. **Plant physiology report**. <https://doi.org/10.1007/s40502-022-00688-3>.
12. Sharma, J., **Sharma, S.**, Bhatt, U., & Soni, V. (2022). Toxic effects of Rhodamine B on antioxidant system and photosynthesis of *Hydrilla verticillata*. **Journal of Hazardous Materials Letters**, 100069. <https://doi.org/10.1016/j.hazl.2022.100069>.
13. Sharma, J., **Sharma, S.**, & Soni, V. (2021). Classification and impact of synthetic textile dyes on Aquatic Flora: A review. **Regional Studies in Marine Science**, 45, 101802. <https://doi.org/10.1016/j.rsma.2021.101802>.

#### Published Books

1. **Sharma S.**, Soni V. (2021). Plant responses to waterlogging.
2. Bhatt U., **Sharma S.**, Soni V. (2023). Adaptations in desiccation tolerant plants.

#### Conference Organization/Presentations

1. Poster presentation in International conference on 'Green technologies, circular economy and restoration of cultural heritage' held at Agra in 2019.
2. Oral presentation in international conference on "The 14th India-japan International conference on sustainable development goals of united nations to transform our world" on 23th-25th Sept., 2019 at Biyani group of colleges, Jaipur, Raj, India.
3. Participation in International conference on 'Green technology and sustainable development' conducted by Jagannath University Jaipur in 2020.
4. Attended National online workshop on LC-MS: Instrumentation and its use in quantification and identification of Bioactive Molecules organized by Department of Botany MLSU, Udaipur, Rajasthan, 2020.
5. Attended online workshop on Basics of Biostatistics organized by Department of Botany MLSU, Udaipur, Rajasthan in 2020.

#### Research Projects (Major Grants/Research Collaboration)

NA

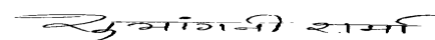
#### Awards and Distinctions

1. **Best Researcher award** by The Indian Botanical Society, Udaipur Chapter in 2023.
2. **CSIR-UGC, JRF (NET)** in the subject "Life sciences", 2019.
3. **GATE** in the subject "Life sciences", 2018.
4. Awarded Junior Research Fellowship & Senior Research Fellowship by University Grants Commission, New Delhi, India.
5. **Dr. Mohini Arora memorial Gold medal** in 2015 in Maharani's College for securing first rank in college.
6. **GARGI AWARD** in Senior Secondary Examination by **BALIKA SHIKSHA FOUNDATION** Rajasthan, Jaipur 2012.
7. **GARGI AWARD** in Secondary Examination by **BALIKA SHIKSHA FOUNDATION** Rajasthan, Jaipur 2010.
8. **Kalyan Trust Award** in 2005.

#### Association With Professional Bodies

Annual membership of Indian botanical Society (IBS).

#### Other Activities



Signature of faculty Member