




Faculty Details proforma for DU Web-site

(PLEASE FILL THIS IN AND Email it to websiteDU@du.ac.in and
cc:director@ducc.du.ac.in)

Title	Prof.	First Name	Satish C.	Last Name	Bhatla	Photograph
Designation	Professor					
Address	Department of Botany University of Delhi North Campus Delhi-110007					
Phone No Office						
Residence	-					
Mobile	9818737090					
Email	bhatlasc@gmail.com					
Web-Page						
Educational Qualifications						
Degree	Institution				Year	
Ph.D.	University of Delhi				1980	
PG	G.B. Pant University of Agriculture and Technology, Pantnagar, Uttaranchal				1976	
UG	University of Delhi				1974	
Career Profile						
<p>Organisation / Institution Designation Duration Role</p> <p>Delhi University (Hans Raj College) Lecturer 1980-1982 Teaching</p> <p>Delhi University (Department of Research Associate 1982-1983 Research Botany)</p> <p>University of Heidelberg, Germany Fellow, Alexander von 1983-1985 Research (Institute of Botany) Humboldt Foundation, Germany</p> <p>University of Delhi (Department of Lecturer 1985-1987 Teaching Botany) and research</p> <p>University of Delhi (Department of Lecturer in senior scale 1987-1995 Teaching Botany) and research</p> <p>University of Delhi (Department of Reader 1995-2003 Teaching Botany) and research</p> <p>University of Delhi (Department of Professor 2003 to date Teaching Botany) and research</p>						
Administrative Assignments						
<ol style="list-style-type: none"> 1. UGC Expert. Choice Based Credit System (CBCS) Curriculum development for Central Universities (2015) 2. National Co-ordinator. HRD Ministry's 'National Mission on Education' e-contents for undergraduate course (UG) Programme in Botany 2013 – 2015 3. Nodal Advisory Body for UGC proposal on the introduction of e-governance in University system (Chairperson) Nov. 2014 – 2015 4. Dean, Faculty of Science. June 2011 – June 2013 						

5. Dean, Infrastructure. July 2012 – Feb. 2014 6. Head, Department of Botany. June 2011 – June 2014 7. Chairperson, Board of Research Studies, Faculty of Science. June 2011 – June 2013 8. Chairperson, Delhi University Computer Centre. July 2012 – Feb. 2014 9. Chairperson, Committee for Innovation projects for DU teachers. 2012 – 13 10. Chairperson, University Guest House, Delhi University. April 2018- to date. 11. Member, Academic Council. June 2011 – June 2014 12. Member, Executive Council. June 2011 – June 2013 13. Member, Managing Committee, University Scientific Instruments Centre (USIC). 2013 onward				
Areas of Interest / Specialization				
Nitric oxide modulated plant development; Salt stress physiology; Physiology of adventitious and lateral rooting				
Subjects Taught				
Plant physiology and biochemistry				
Time table of the subjects taught during the current semester				
S.No.	Subject	Days	Time	Classroom
1.	Bot 103: Physiology and Biochemistry	(i) Monday (Theory and Practical) (ii) Thursday (Theory and Practical)	Theory: 08:45-09:40 Practical: 10:35-02:15	Theory: #37 Practical: #45
2.	Bot 408: Topics in Plant Physiology and Biochemistry	Wednesday (Theory and Practical)	Theory: 08:45-10:35 Practical: 10:35-04:05	Theory: #37 and #208 Practical: #45
3.	Ph.D. Coursework EL 13 : Plant Growth Regulators	Thursday	10:00-11:30	Committee Room
Research Guidance				
1. Supervision of awarded Doctoral Thesis : 22 2. Supervision of Doctoral Thesis, under progress : 4 3. Supervision of awarded M.Phil dissertations : 3				
Publications Profile				
Number of publications: 93 *Citations : 1178 h-index : 18 i10-index : 39 * as per details on Google Scholar dated July 17, 2018				
Publications in the Last one year				
1. Jain P and Bhatla SC., 2018. Tyrosine nitration of cytosolic peroxidase is probably triggered as a long distance signaling response in sunflower seedling cotyledons subjected to salt stress. Plos One 13(5): e0197132. 2. Singh N and Bhatla SC., 2018. Nitric Oxide regulates lateral root formation through modulation of ACC oxidase activity in sunflower seedlings under salt stress. Plant Signal. Behav.				

doi.org/10.1080/15592324.2018.1473683.

3. Keisham M, Mukherjee S and Bhatla SC., 2018. Mechanisms of sodium transport in plants-progresses and challenges. *Int. J. Mol. Sci.* 19 (3):647
4. Jain P, von Toerne C, Lindermayr C and Bhatla SC., 2017. S- nitrosylation/ denitrosylation as a regulatory mechanism of salt stress sensing in sunflower seedlings. *Physiol. Plantarum.* 162(1): 49-72.
5. Arora D, Singh N and Bhatla SC., 2017. Electrophoretic detection and confocal microscopic imaging of tyrosine nitrated proteins in plant tissue. In: Mengel A, Lindermayr C (Eds.) *Nitric Oxide. Methods in Molecular Biology*, vol 1747. Pp. 171- 182, Humana Press, New York, USA.

Conference Organization/ Presentations (in the last three years)

1. S.C. Bhatla (2017). International Symposium on Plant Signaling and Behavior. Shimane prefectural Convention Centre, Matsue, Japan, June 26-July 1, 2017. Invited Lecture on "Redox and nitric oxide signalling mechanisms under abiotic stress in plants".
2. S.C. Bhatla (2016). International Symposium on Plant Signaling and Behavior. Komarov Botanical Institute RAS, St. Petersburg. June 19 - 24, 2016. Invited Lecture on "Nitric oxide and melatonin crosstalk with reactive oxygen species scavenging enzymes in modulating abiotic stress tolerance".
3. S. C. Bhatla (2015). International Symposium on Plant Signaling and Behavior. Universite Paris Diderot. June 29 – July 2, 2015. Invited Lecture on "Nitric oxide crosstalk with reactive oxygen species scavenging enzymes in modulating salt stress in sunflower seedlings."
4. S. C. Bhatla (2015). Japan – India Symposium on Material Science. JAIST, Ishikawa, Japan. March 2- 3, 2015. Invited Lecture on "Nitric oxide as a signalling molecule in plant growth, development and stress acclimatization."
5. S.C. Bhatla (2014). As Organizing Secretary. International Symposium on Plant Signaling and Behavior. University of Delhi, India. March 7- 10, 2014.

Research Projects (Major Grants/Research Collaboration)

1. Joint UGC-Israel Science Foundation Research Grant, 2017-2020, entitled "Calcium and auxin signaling during adventitious root development and analysis of possible nitric oxide cross talk."
2. Indo-Belarus Joint research project, 2017-2019, entitled "ROS/RNS-induced K⁺ loss as a key determinant of sunflower plant injury and survival under abiotic stress."
3. U.G.C. Grant. July, 2015 – June 2018, Entitled "Salt-stress induced modulation of reactive oxygen species and their scavenging mechanisms in sunflower seedling."
4. International collaboration with Professor F.Baluska (University of Bonn, Germany) under Group Linkage Programme of Alexander von Humboldt Foundation (Germany). Jan, 2011 to Dec. 2013, entitled "Investigations on a cross talk among nitric oxide, indolamines, and actin during salt stress-induced changes in adventitious rooting and seedling growth in sunflower".
5. CSIR project entitled "Biochemical events associated with oil body biogenesis and mobilization in Sunflower seeds", from January 2010 to January 2013.
6. Received major research grants from U.G.C., DST, DAE, CSIR (India).
7. Indo-German research grant from Stiftung VW (Hannover, Germany).
8. Research equipment grant from Alexander von Humboldt Foundation (Bonn, Germany).
9. Had research collaboration with University of Heidelberg (Professor Dr. Martin Bopp).
10. Worked for post-doctorate research at the Universities of Heidelberg (1983-1985), Berlin (1998) and Freiburg (2000) in Germany, as a Fellow of the Alexander von Humboldt Foundation.

Awards and Distinctions

Fellow, Alexander von Humboldt Foundation (Germany) Fellow, National Academy of Sciences, India (F.N.A.Sc.)
Association With Professional Bodies
<ol style="list-style-type: none"> 1. Reviewing: Various international journals 2. Advisory: Member, Steering Committee, International Society of Plant Signaling and Behavior, USA 3. Committees and Boards: Various government organizations (UGC, CSIR, Ministry of Environment and Forest, UPSC, CBSE) 4. Memberships Life Member of: <ol style="list-style-type: none"> 1. Delhi University Botanical Society 2. Indian Science Congress Association 3. Indian Society for Plant Physiology 4. Indian Photobiology Society 5. Indian Society of Analytical Scientists 6. Indian Society of Developmental Biologists
Other Activities

Signature of Faculty Member

- You are also requested to also give your complete resume as a DOC or PDF file to be attached as a link on your faculty page.