




UNIVERSITY OF LUCKNOW
LUCKNOW, UTTAR PRADESH - 226007

Title	Dr.	First Name	Praveen	Last Name	Gupta	
Designation	Assistant Professor					
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Educational Qualifications						
Degree	Institution				Year	
Ph.D.	Department of Botany, University of Delhi, Delhi-110007				2021	
PG	Department of Botany, Aligarh Muslim University, Aligarh - 202002				2013	
UG	Department of Botany, Aligarh Muslim University, Aligarh - 202002				2011	
Any other qualification	UGC-NET-JRF (AIR 31), GATE-XL 2017				2017	
Career Profile						
<ul style="list-style-type: none"> Worked as an Assistant Professor (Adhoc), Deshbandhu College, University of Delhi (November 2021- June 2022) Presently working as an Assistant Professor (Permanent), Department of Botany, University of Lucknow (June 2022 to present date) 						
Administrative Assignments						
<ul style="list-style-type: none"> Worked as a member of financial assistance committee, Deshbandhu College, University of Delhi. Worked as member of 'Nadi ko jano Abhiyan', Deshbandhu College, University of Delhi Member of Grievance and anti-ragging committee, Department of Botany, University of Lucknow Member of Central facility committee-old building, Department of Botany, University of Lucknow Member of library committee, Department of Botany, University of Lucknow Member of garden committee, Department of Botany, University of Lucknow 						
Areas of Interest/Specialization						
<ul style="list-style-type: none"> Phytohormones assisted abiotic stress management in plants Photosynthesis and nitrogen metabolism under abiotic stress Oxidative stress and tolerance mechanism via antioxidants Phytoremediation of heavy metals Nanotechnology and plants 						
Subjects Taught						
Research Guidance						
<i>List against each head (If applicable):</i> <ol style="list-style-type: none"> Supervision of awarded Doctoral Thesis Supervision of Doctoral Thesis, under progress Supervision of awarded M.Phil. dissertations Supervision of M.Phil. dissertations, under progress 						

Publications Profile
<ul style="list-style-type: none"> Gupta, P., Seth, C.S. (2015) Nitric oxide donor sodium nitroprusside promotes seed germination and ameliorates adverse effects of salinity by enhancing the growth indices and photosynthetic traits in <i>Brassica juncea</i> L. cv. Varuna. <i>Phytomorphology</i>, 65(3-4), pp. 156-163. Gupta, P., Srivastava, S., Seth, C.S. (2017) 24-Epibrassinolide and Sodium Nitroprusside alleviate the salinity stress in <i>Brassica juncea</i> L. cv. Varuna through cross talk among proline, nitrogen metabolism and abscisic acid. <i>Plant and Soil</i>, 411(1-2), pp. 483-498. (Impact Factor: 4.99) Agnihotri, A., Gupta, P., Dwivedi, A., Seth, C.S. (2018) Counteractive mechanism (s) of salicylic acid in response to lead toxicity in <i>Brassica juncea</i> (L.) Czern. cv. Varuna. <i>Planta</i>, 248(1), pp. 49-68. (Impact Factor: 4.54). Gupta, P., Seth, C.S. (2019) Nitrate supplementation attenuates As(V) toxicity in <i>Solanum lycopersicum</i> L. cv Pusa Rohini: Insights into As(V) sub-cellular distribution, photosynthesis, nitrogen assimilation, and DNA damage. <i>Plant Physiology and Biochemistry</i>, 139, pp. 44-55. (Impact Factor: 5.43) Gupta, P., Seth, C.S. (2020) Interactive role of exogenous 24 Epibrassinolide and endogenous NO in <i>Brassica juncea</i> L. under salinity stress: Evidence for NR-dependent NO Biosynthesis. <i>Nitric Oxide</i>, 97, pp. 33-47. (Impact Factor: 4.89) Prajapati, P., Gupta, P., Kharwar, R.N., Seth, C.S. (2022) Nitric oxide mediated regulation of ascorbate-glutathione pathway alleviates mitotic aberrations and DNA damage in <i>Allium cepa</i> L. under salinity stress. <i>International journal of phytoremediation</i> (Impact Factor: 4.00). Yadav, M., Gupta, P., Seth, C.S. (2022) Foliar application of α-lipoic acid attenuates cadmium toxicity on photosynthetic pigments and nitrogen metabolism in <i>Solanum lycopersicum</i> L. (Revision submitted). <i>Acta Physiologiae Plantarum</i> (Impact Factor: 2.73). Gupta, P., Kumar, D., Seth, C.S. (2022) Nitric oxide mediated salinity stress tolerance in plants: signalling and physiological perspectives. <i>Advancements in Developing Abiotic stress-Resilient Plants: Basic mechanisms to Trait Improvements</i>, Taylor & Francis (CRC Press). Gupta, P., Seth, C.S. (2022) 24-Epibrassinolide regulates functional components of nitric oxide signalling and antioxidant defense pathways to alleviate salinity stress in <i>Brassica juncea</i> L. cv. Varuna. <i>Journal of plant growth regulation</i> (Revision submitted). (Impact Factor: 4.64).
Conference Organization/ Presentations
<ul style="list-style-type: none"> Participated and delivered a talk on topic "Nitric oxide donor Sodium Nitroprusside improves the efficacy of 24-epibrassinolide in <i>Brassica juncea</i> (L.) cv. Varuna against salt stress" in an International conference "Technology innovation & management for sustainable development (TIMS-2016)" organized by ITM University Gwalior (11 to 13 February, 2016). Participated and delivered a talk on topic "24-Epibrassinolide and Nitric oxide counteract the salinity driven damages in <i>Brassica juncea</i> (L.) cv. Varuna" in a National Seminar "Recent advances in Environmental Toxicology" organized by Jamia Millia Islamia University, New Delhi. Participated and delivered a talk on topic "Interactive effects of nitrate reductase derived Nitric oxide and 24 Epibrassinolide in the alleviation of salinity stress in <i>Brassica juncea</i> L." in a National Seminar "Recent Trends of Research in Medicinal Botany" organized by Ramjas College, University of Delhi. Worked as an organizing committee member in a National Conference: "NATIONAL EDUCATION POLICY: IMPLEMENTATION, CHALLENGES, OPPORTUNITIES AND PROBABLE OUTCOMES" organized by Deshbandhu College, University of Delhi, Delhi-110019
Research Projects (Major Grants/Research Collaboration)
NA
Awards and Distinctions
Association With Professional Bodies
<ul style="list-style-type: none"> <i>Life time member of International Society of Environmental Botanists</i>