

Curriculum Vitae

Dr Shubhra Barwa

Assistant Professor
Department of Botany
Gargi College, University of Delhi
Siri fort Road
New Delhi-110049, INDIA
Phone No. +9999088644 (M)
E-mail: shubhrabarwa9812@gmail.com



WORK EXPERIENCE

Teaching Experience: 11 years

Research Experience: Post Doctoral (5 years)

EDUCATIONAL QUALIFICATIONS

- 1 Ph.D. Chaudhary Charan Singh Haryana Agricultural University (CCS HAU) Hisar, Haryana 2007
- 2 M.Sc. (Plant Physiology) from Chaudhary Charan Singh Haryana Agricultural University (CCS HAU) Hisar, Haryana 2001
- 3 B.Sc. from Kurukshetra University. Kurukshetra 1998
- 4 Senior Secondary (Medical), D.N Post Graduate College, Hisar, Haryana 1995
- 5 Secondary from K.L Arya D.A.V Public School, Hisar, Haryana 1992

ACHIEVEMENTS

- 1 Diploma in Science Journalism conducted by Indian Science Communication Society, Lucknow (2010).
- 2 Awarded **Second Prize** in Prashan manch held on the occasion of Hindi Chetna Maas celebrations at NRCPB, LBS Building, IARI Pusa, New Delhi, 2009
- 3 Awarded **Third prize** for Quiz contest held on the occasion of Hindi Chetna Maas celebrations at NRCPB, LBS Building, IARI Pusa, New Delhi, 2008
- 4 Qualified **ASRB NET** examination for Lecturership, 2004 and 2008
- 5 **University Research Scholarship** during M.Sc. and Ph.D. Programme awarded by CCS HAU, Hisar, 1998-2005.
- 6 Qualified **CSIR-UGC NET** examination for Lecturership in Life-sciences, 2003. F.No 10-2(5)/2003(II)-E.U.II

Title of Ph.D. Thesis

Morpho-physiological and Biochemical studies on thermo-tolerance in wheat.

Title of M.Sc. Thesis

Physiological responses of Clusterbean (*Cyamopsis tetragonaloba* L. *Taub*) to phosphorus under water deficit

Research Specialisation

Abiotic Stress, Plant Physiology, Cell Biology, Economic Botany and Biochemistry

Subjects Taught

Plant Physiology, Mycology and phytopathology, Economic Botany, Archegoniates

Research Publications

1. High Temperature Stress: Effects on Seed Germination and Seedling Growth in Wheat. **Shubhra Barwa**, Elixir International Journal of Applied Botany, 108, 47696-47698, 2017
2. Phosphorus: A Potential Nutrient for Alleviating the Water deficit in Clusterbean (*Cyamopsis tetragonoloba* L. Taub). **Shubhra Barwa**, International Journal of Innovative Research in Science Engineering and Technology (IJIRSET), 6(7), 13654-13660, 2017
3. Hyperaccumulation: A Phytoremedial Approach for Pollution Control. **Shubhra Barwa**, Balam Pani and Manjeet Singh Barwa. International Research Journal of Environmental Sciences. 6(11), 46-52, 2017
4. Global Climate Change and Wheat: Impacts and Adaptations. **Shubhra Barwa**, Manjeet Singh Barwa, Balam Pani and Renu Munjal. In Proceedings of National Conference on Clean and Green Energy: Chemical and Environmental Aspects (NCGE) at Bhaskaracharya College of Applied Sciences, New Delhi. Feb 16-17 1106-117, 2017
5. Impact of Elevated Temperature on Photosynthesis and Grain Yield in Wheat. **Shubhra**, Renu Munjal and CL Goswami. Haryana J Agronomy, 22(1), 79-80, 2006
6. Impact of P Application on Leaf Characteristics Nodule Growth and Plant N Content under Water Deficit in Clusterbean. **Shubhra** and Dayal J. Forage research 31(3) 212-214, 2005
7. Influence of Phosphorus Application on Water Relations, Biochemical Parameters and Gum content in Clusterbean under Water Deficit. **Shubhra**, J Dayal, CL Goswami and Renu Munjal, Biologia Plantarum, 48(3), 445-448, 2004
8. Effect of Phosphorus Application on Growth, Chlorophyll and Proline under Water Deficit in Clusterbean (*Cyamopsis tetragonoloba* L. Taub). **Shubhra**, J Dayal and CL Goswami, Indian J Plant Physiology, 8(2), 150-154, 2003

Book Chapter

- ❖ Swasth Bharat Samridh Bharat
Manjeet Singh Barwa, **Shubhra Barwa** and Balam Pani
Healthcare systems in India, International Publishers, ISBN: 978-93-89198-02-7, 81-87; 2019
- ❖ Nutrients induced physiology of Clusterbean for higher productivity,
MS Kuhad, KD Sharma, AS Nandwal, **Shubhra** and BK Garg
Guar, JV Singh and BS Dahiya, Indian Society of Forage Research, Hisar (2004), 230-250.

Professional development activities

1. Delivered lecture on Environmental Aspects of Energy: Industrial Perspective at Seminar on Environmental Aspects of Energy–Industrial Prospective held at Dronacharya College of Engineering, Gurgaon on February 21, 2015
2. Presented paper at International Summit on Women in STEM: Visualizing the future new guidelines held at India habitat Centre, Lodhi Road, Delhi on January 20-24, 2020
3. Oral presentation in the Two-day National Conference on Clean and Green Energy: The Chemical and Environmental Aspects held at Bhaskaracharya College of Applied Sciences, from September 26 -27, 2019

4. Presented paper in National Conference on Recent Trends and Advancements in Chemical Sciences held at conference Centre, University of Delhi from March 29 -31, 2019
5. Presented paper at the Sixth International Conference on Eco-toxicology and Environmental Sciences held at Netaji Subhash Institute of Technology, Dwarka, New Delhi from February 19-21, 2018
6. Presented paper at Ninth National Conference on Recent Advances in Chemical, Biological and Environmental Sciences held at Multani Modi Modi College, Patiala from February 9-10, 2018
7. Presented paper in the CSIR-NISCAIR-DST National Workshop on Science, Technology and Innovation Policy: Optimizing, Communication and Information Research held at Indian Agriculture Research Institute Pusa from January 23-25, 2018
8. Presented paper in the National Conference on Recent Trends in Chemical, Environmental and Medical Sciences held at DAV College Abohar on January 24, 2018
9. Presented paper in International Seminar on Biodiversity, Status and Significance Organized by Department of Botany, Maharshi Dayanand University, Rohtak on March 21, 2017
10. Presented paper in International Conference on Green Chemistry in Environmental Sustainability and Chemical Education Organized by Department of Chemistry Daulat Ram College University of Delhi, held from November 17-18, 2016
11. Presented paper at DST-SERB Sponsored National Conference on Climate Change: Impacts Adaptation and Mitigation Scenario and Future Challenges in Indian Perspective Organized by Deen Dayal Upadhyay College University of Delhi from March 2-3, 2015
12. Presented paper at Third National Conference on Recent Advances in Chemical and Environmental Sciences held at Multani Mal Modi College, Patiala from February 28 to March 1, 2011
13. Presented Paper at the Second Annual National Conference on Recent Advances in Chemical and Environmental Sciences held at Multani Mal Modi College, Patiala from January 22-23 2010
14. Presented paper at the Annual Conference on Recent Advances in Chemical and Environmental Sciences Organized by Multani Mal Modi College Patiala from January 16-17, 2009
15. Presented paper at the National Seminar on Plant Physiology held at Indian Agriculture Research Institute, Pusa, New Delhi from November 12-14, 2008
16. Presented paper at the National Conference on Recent Advances and Development in Chemical sciences held at DAV College, Abohar Punjab from January 7-8, 2008
17. Presented paper in International Seminar on the Role of Biochemistry in Modern Day Agriculture held at Chaudhary Charan Singh, Haryana, Agriculture University, Hisar on January 24, 2004

Papers Reviewed for Journals

- ❖ Plant Physiology Reports
- ❖ Science P.G Review
- ❖ Research Journal of Biology
- ❖ Journal of wheat and Barley Research

Membership of Academic Societies

1. Life member Indian Science Congress Association (Membership No.-L20444)
2. Life member Indian Society of Plant Physiology (w.e.f 25th October 2013)
3. Life member Green Chemistry Network Centre, University of Delhi
4. Member of International Association of Engineers (IAENG), Hong kong (Membership number 191744)
5. Member of Society for the Advancement of Wheat and Barley Research (SAWBAR), Karnal, India
6. Member Delhi University Botanical Society (DUBS)