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PERSONAL PROFILE

Father Name Shah Jahan
Date of Birth January 20, 1985
Religion Islam
Nationality Pakistani
CNIC # 36501-0207303-0
Domicile Lahore (Punjab)

PROFESSIONAL TRAINING

Institution	Department	Position	Length of Service
University of Punjab	Botany	Assistant Professor	22.05.23 to
University of Gujrat	Botany	Lecturer	13.04.2015 to 22.05.23
Lahore college for women university, Lahore.	Biology	Lecturer	04 Months

EDUCATION

Degree	Year	Institution	CGPA	Major subjects
PhD. (Botany) Scholar	2019	Lahore college for women university, Lahore.	4.00/4.00	Botany (Stress Physiology)
M.S. (Botany)	2013	Lahore college for women university, Lahore.	4.00/4.00	Botany (Stress Physiology)
B.S.(Botany)	2007	Bahaudin Zakriya University Multan	3.71/5.00	Botany

PROJECTS

Dual purpose activated biochar technology: An approach for improving soil quality and wheat-maize cropping system under deficit irrigation (amounting to Pk Rs: 4.72 M funded by HEC, Pakistan).

PUBLICATIONS

- Abbas, M.A., Jahan, S., Akram, S., Fatima, R. (2023). The molecular and phylogenetic characterization of the *Tagetes erecta* L. and *Cosmos sulphureus* CAV. using DNA barcoding and bioinformatics techniques. *plantarum*, 5(2).
- Rasul, F., Munir, H., Naz, N., Shahzad, S., Jatoi, W.N., Sajid, M., Jahan, S., Rafiq, K., Ahmad, S., Sakrabani, R., Shelia, V. (2023). Conceptual Elucidation of Climate Change for Developing Countries. In: *Climate Change Impacts on Agriculture: Concepts, Issues and Policies for Developing Countries*. Cham: Springer International Publishing.

- Iqbal, S., Jahan, S., Jabeen, K., Ilyas, N. (2023). Signaling Pathway of Reactive Oxygen Species in Crop Plants Under Abiotic Stress. In *Reactive Oxygen Species: Prospects in Plant Metabolism* (pp. 249-262). Singapore: Springer Nature Singapore.
- Iqbal, S., Jahan, S., Jabeen, K., Ilyas, N. (2023). Signalling Pathway of Reactive Oxygen Species in Crop Plants Under Abiotic Stress. In: Faizan M. et al. (eds.), *Reactive Oxygen species*. https://doi.org/10.1007/978-981-19-9794_14
- Rasul, F., Munir, H., Naz, N., Shahzad, S., Jatoi, W.N., Sajid, M., Jahan, S., Rafiq, K., Ahmad, S., Sakrabani, R., Shelia, V. (2023) Conceptual Elucidation of Climate Change for Developing Countries. In *Climate Change Impacts on Agriculture: Concepts, Issues and Policies for Developing Countries* (pp. 23-46). Cham: Springer International Publishing.
- Jahan, S., Ahmad, F., Rasul, F., Amir, R. and Shahzad, S., 2023. Physicochemical Analysis of Vermicompost-Perlite Based Activated Biochar and its Influence on Wheat (*Triticum aestivum* L.) Growth Under Water Stress. *Journal of Soil Science and Plant Nutrition*, pp.1-17.
- Rasul, F., Munir, H., Wajid, A., Safdar, M., Ayub, M.S., Shahzad, S., Mehmood, R., Shahid, M.A., Sarwar, A., Majeed, M.D. Jahan, S. and Gull, U., 2022. Sustainable Irrigation Management for Higher Yield. In *Irrigation and Drainage-Recent Advances*. IntechOpen.
- Jahan, S., Iqbal, S., Rasul, F., & Jabeen, K. (2022) Evaluating Biochar Amendments for Drought Tolerance in Soybean (*Glycine max* L.) Using Relative Growth Indicators. *Pak. J. Bot.* 54, 5.
- Shakeel, H., Jahan, S., Rafiq, K., Iqbal, S. and Rasul, F., 2022. Efficacy of biochar-supplemented soil for modification of physio-biochemical attributes of Canola (*Brassica napus* L.) genotypes under different moisture regimes. *Journal of Soil Science and Plant Nutrition*, 22(3), pp.3667-3684.
- Noureen, K., Jabeen, K., Iqbal, S., Jahan, S., & Javad, S. (2021). Effect of *Alternaria alternata* (Fr.) Keissl. on the physiology of Pea (*Pisum sativum* L.). *Revista De La Facultad De Agronomia De La Universidad Del Zulia*, 38(3), 462-479.
- Jahan, S., Iqbal, S., Rasul, F., & Jabeen, K. (2020). Efficacy of biochar as soil amendments for soybean (*Glycine max* L.) morphology, physiology, and yield regulation under drought. *Arabian Journal of Geosciences*, 13, 1-20.
- Jahan, S., Iqbal, S., Rasul, F., & Jabeen, K. (2019). Structural characterization of soil biochar amendments and their comparative performance under moisture deficit regimes. *Arabian Journal of Geosciences*, 12(6), 1-15.
- Hafeez, Y., Iqbal, S., Jabeen, K., Shahzad, S., Jahan, S., & Rasul, F. (2017). Effect of biochar application on seed germination and seedling growth of *Glycine max* (L.) Merr. Under drought stress. *Pakistan Journal of Botany*, 49(51), 7-13.
- Talat, A., Nawaz, K., Hussain, K., Fatima, S., Akhtar, S., Siddiqi, E. H., Jahan, S., Bashir, S., Javeria, M. (2017). modulation of growth, gaseous exchange parameters and antioxidants in wheat (*Triticum aestivum* L.) by foliar spray of glycinebetaine (gb) at different growth stages under salt (NA₂SO₄) stress. *Applied Ecology and Environmental Research*, 15(3), 1611-1623.
- Jahan, S., Iqbal, S., Jabeen, K., & Sadaf, S. (2015). Ameliorating influence of sulfur on germination attributes of Canola (*Brassica napus* L.) Under chromium stress. *Pakistan Journal of Botany*, 47(2), 407-411.

RELATED ACTIVITIES

- Screening of different Biochar types and concentration for improving Soybean yield under water stress.
- Structural characterization (surface area and pore properties) of different biochar types and biochar amended soil.
- Selection of most suitable Biochar for enhancing water holding capacity of soil.

WORKSHOPS AND TRAININGS

- Actively participated and made oral presentation in International conference on Stress Biology and Biotechnology: Challenges & Management at Institute of Agricultural Sciences, University of Punjab, Lahore.
- International workshop on Principles of plant breeding and advancement of molecular techniques to breeding of bioscience (LCWU).
- Hands-on Training Workshop on “Publish Your Research in High Impact Factor Journals”

- On-Campus HEC Workshop on “Microteaching and Communication Skills”
- Genomics: New Era of Scientific Development and Its Application
- Attended and Orally presented at 14th National and 5th International Conference of Botany “Climate Change and Phytodiversity Challenges and Opportunities
- Organizer of 1 st International Conference on “Plants: Their Chemical and Biological Applications for Today and Tomorrow.”
- Participated in Two Days Hands on Training Workshop on “Statistical Data Analysis and Experimental Design in SPSS”
- Participated in International workshop on Principles of plant breeding and advancement of molecular techniques to breeding of bioscience (LCWU).

DISTINCTIONS

- Distinction in B.S and M.S. (Botany).
- Laptop award certificate by Government of Punjab.

STRENGTHS

✓

- ✓ Knows English, Urdu & Punjabi.
- ✓ Communication skills.
- ✓ Can adapt variety of circumstances and environment.
- ✓ Have ability to work individual as well as a team member.
- ✓ Consistency in my behavior toward my work.
- ✓ Involved in the research and designing of new courses and materials.
- ✓ Assessing students course work and material.
- ✓ Providing mentoring, advice and support to students on a personal level.
- ✓ Actively leading class discussions and encouraging debate.
- ✓ Minitab, SPSS, R Programming