

CURRICULUM VITAE

HIRA ASLAM

Education

Ph.D. Plant Breeding and Genetics (Continue)	2022-2026
Masters of Science (Hons.) Plant Breeding & Genetics	2017-2019
Bachelors of Science (Hons.)	2013-2017

Research Assistant

2018-2019

Research Assistant at University Research Farm in a Project “Genetics of prussic acid content of different sorghum germplasm and their behavior in Potohar region of Pakistan.

Research Publications

- Aslam, H., Shabbir, G., Ahmed, F., Khan, A., Jabeen, A., Draz, M. U., ... & Jamshed, M. (2025). HCN Content Estimation in Different Sorghum Genotypes under Rainfed Conditions. *Indus Journal of Bioscience Research*, 3(3), 225-230.
- Kundu, A., Waris, S., Sanam, S., Aslam, H., Khan, B., Bogati, S. K., ... & Ashfaq, M. (2025). Precision Irrigation Systems for Sustainable Water Management in Maize Cultivation: Impact on Yield and Water Use Efficiency. *Indus Journal of Bioscience Research*, 3(1), 85-94.
- Hafeez, M., Maroof, T., Zahid, S., Aslam, H., Riaz, I., Zafar, T., ... & Tahir, M. (2024). Evaluation of Three Onion Varieties for Productivity Performance in Rawalakot Azad Kashmir. *Planta Animalia*, 3(2), 197-203
- Jamil, M., Shafique, S., Javed, S. O., Khurshid, M., Ahmad, A., Aslam, H., ... & Pannu, I. A. (2024). Differential Response of Winter Forage Cereals for Nitrogen Use and Water Use Efficiencies at Different Growth Stages under Variability of Agro-Climatic Conditions. *Planta Animalia*, 3(1), 01-08.
- Siddiquie, M. F. A., Bakhsh, M. Z. M., Ahmed, K., Sahar, A., & Aslam, H. (2020). A comparison between synthetic wheat derivatives and bread wheat (*Triticum aestivum*) at seedling stage under various levels of temperature and GA3 priming. *Journal of Bioscience and Agriculture Research*, 23(01), 1901-1910.
- Naheed, N., Jabeen, A., & Aslam, H. (2025). Morphological Characteristics of Bidens Species: Vegetative Morphology. In *The Genus Bidens* (pp. 21-34). Springer, Singapore.
- Marium, A., Tariq, S., Arshad, H., Khalid, M. S., Murtaza, B., Aslam, H., ... & Jabeen, A. (2025). CRISPR/CAS Genome editing to enhance resistance leading to enhanced productivity in crops. *Kashf Journal of Multidisciplinary Research*, 2(02), 53-89.

CONFERENCES/SEMINAR AND WORKSHOPS

- Hands on Training on “CRISPR-based sgRNA design”.
- International conference on “Genomics and genome editing in agriculture, biology and biomedicine (GEABM)”.
- One day seminar on “Groundnut breeding: Aligning with consumer preference”.
- Seminar on “Impact of AARI varieties and seed development system on national economy”.
- Training of China-Pakistan Modern Agriculture Technology.
- International Conference on "Tackling Climate Change through Plant Breeding" in Department of Plant Breeding and Genetics, PMAS Arid Agriculture University, Rawalpindi, Pakistan Nov, 13-15, 2017.
- Seminar on “The impact of AARI varieties and seed development system on national economy”.
- Training workshop on “Hyperspectral imaging for the detection of plant pathogen from seed”.

- Workshop on “Empowering women through agripreneurship; advancing with value addition”.

Awards and Honors

- International Researcher in a program (IRSIP) funded by Higher Education Commission of Pakistan.
- Temporary Researcher at Center of Plant Science Innovation at University of Nebraska Lincoln.
- Punjab Educational Endowment Fund Awarded in 2018.

Academic Links

- <https://scholar.google.com/citations?user=ogMvlCkAAAAJ&hl=en>
- <https://www.linkedin.com/in/hiraaslamm>
- <https://orcid.org/0009-0003-2406-4519>