Curriculum Vitae

Personal

Name	Muhammad Munem Khan
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Place of Birth	Faisalabad, Pakistan
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Education

October 2016 – April, 2024	PhD in Plant Breeding, Georg-August-Universität, Göttingen, Germany (Research on Oilseed rape *B. napus*)
September 2011 – October, 2013	MSc in Plant Breeding and Genetics, University of Agriculture, Faisalabad, Pakistan (Research on *Stevia rebaudiana*)
August, 2007 – July, 2011	BSc in Agriculture, University of Agriculture, Faisalabad, Pakistan

Work experience

July 2021– Present	Working as Co-Principal Investigator in the project 'Genome editing of UAF-11 (a high-yielding *Brassica Campestris* Variety)' at US- Pakistan Center for Advanced Studies (CAS), University of Agriculture, Faisalabad, Pakistan
September 2015 – Present	Lecturer, Department of Plant Breeding and Genetics, University of Agriculture, Faisalabad, Pakistan
December 2015 – September 2016	Junior Scientist in the project "Development of short duration Sunflower hybrids with better yield"

	at University of Agriculture, Faisalabad, Pakistan
February 2012 – October 2013	Masters Research Scholar in the project "Climate adoptability of Stevia in local conditions" at Ayub Agriculture Research Institute, Faisalabad, Pakistan

Publications/Abstracts

Khan, M M, Herdlitschke A, Ecke W (2018) **Genetics of microspore embryogenesis in Intervarietal Substitution Lines (ISLs) of rapeseed (*Brassica napus* L.)** German Plant Breeding Conference, 28th Feb-2nd March,2018 at **HKK Hotel, Werningerode, Germany.**

Khan, M M, Herdlitschke A, Ecke W (2019) **Genetics of microspore embryogenesis in Intervarietal Substitution Lines (ISLs) of rapeseed (*Brassica napus* L.) Cibreed Workshop** 9-10th September, 2019 at **Georg-August-Universität, Göttingen, Germany**.

Ijaz, M., Khan, F, Zaki, H.E.M, **Khan, M.M**, Radwan, K.S.A, Jiang, Y, Qian, J, Ahmed, T, Shahid, M.S, Luo, J. **Recent Trends and Advancements in CRISPR-Based Tools for Enhancing Resistance against Plant Pathogens**. Plants 2023, 12, 1911. https://doi.org/10.3390/plants12091911

Ahmed T, Masood HA, Noman M, Al-Huqail AA, Alghanem SM, **Khan MM**, Muhammad S, Manzoor N, Rizwan M, Qi X, Abeed AHA, Li B. **Biogenic silicon nanoparticles mitigate cadmium (Cd) toxicity in rapeseed (Brassica napus L.) by modulating the cellular oxidative stress metabolism and reducing Cd translocation**. J Hazard Mater. 2023 Oct 5;459:132070. doi: 10.1016/j.jhazmat.2023.132070. Epub 2023 Jul 17. PMID: 37478591.

Seminars/Workshops attended

- German Plant Breeding Conference, 28th Feb-2nd March,2018 at HKK Hotel, Werningerode, Germany.
- Cibreed Workshop, 9-10th September, 2019 at Georg-August-Universität, Göttingen, Germany.
- Workshop on Scientific Writing and Publishing, 29th June-2nd July, 2022 organized by Department of Plant Breeding and Genetics at University of Agriculture, Faisalabad (In collaboration with University of Kassel, Germany).