MUHAMMAD AZAM KHAN

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Experience

Current Position
Assistant Professor - 10/01/2022 – date
Department of Plant Breeding & Genetics, University of Agriculture, Faisalabad, Pakistan.

Past Position
Lecturer - 01/01/2020 – 09/01/2022
Department of Plant Breeding & Genetics, University of Agriculture, Faisalabad, Pakistan.

Past Position
Junior Scientific Officer/ Lecturer – 01/04/2015 – 31/12/2019
Punjab Bio-Energy Institute, University of Agriculture, Faisalabad, Pakistan.

Selected Publications

- **Khan MA,** You MP, Norton SL, Barbetti MJ. (2024). Screening of Diverse *Lupinus* spp. Highlights New Resistances to *Sclerotinia sclerotiorum*. *Plant Disease.* 108:2542-2549.
- **Khan MA,** Wentzel DB, You MP, Norton SL, Barbetti MJ. (2023). Stem, leaf and cotyledon resistance responses to a prevalent *Sclerotinia sclerotiorum* pathotype in Australia highlight new opportunities to improve white mould resistance in common bean. *Crop and Pasture Science*, 75(1).
- **Khan MA**, Cowling WA, Banga SS, Barbetti MJ, Cantila AY, Amas JC, Thomas WJW, You MP, Tyagi V, Bharti B, Edwards D, Batley J. Genetic and molecular analysis of stem rot (*Sclerotinia sclerotiorum*) resistance in *Brassica napus* (canola type). (2023). *Heliyon*. 9(9):e19237.
- **Khan MA,** Cowling W, Banga SS, You MP, Tyagi V, Bharti B, Barbetti MJ. (2022). Quantitative Inheritance of Sclerotinia Stem Rot Resistance in *Brassica napus* and Relationship to Cotyledon and Leaf Resistances. *Plant Disease.* 106(1):127-136
- **Khan MA**, Cowling W, Banga SS, You MP, Tyagi V, Bharti B, Barbetti MJ. (2020b). Inheritance of leaf resistance to *Sclerotinia sclerotiorum* in *Brassica napus* and its genetic correlation with cotyledon resistance. *Euphytica*. 216:188.
- **Khan MA**, Cowling W, Banga SS, You MP, Tyagi V, Bharti B, Barbetti MJ. (2020a). Patterns of inheritance for cotyledon resistance against *Sclerotinia sclerotiorum* in *Brassica napus*. *Euphytica*. 216:79.

- **Khan MA**, Khan FA, Smiullah, Ijaz U, Ali A, Nawaz S. (2013b). Genetic Studies for Quality and Nutrient Uptake in Okra under Irrigated and Wastewater. *International Journal of Agriculture and Crop Sciences*. 56(11), 744-749.
- **Khan MA**, Khan FA, Smiullah, Ijaz U, Ali A, Nawaz S. (2013a). Genetics of Yield and Physiological Attributes in Okra under Wastewater. *International Journal of Agriculture and Crop Sciences*. 6(11), 750-756.

Abstracts in Scientific Proceedings

- **Khan MA**, Cowling W, Banga SS, You MP, Barbetti MJ. Host resistance: the key to effectively manage Sclerotinia stem rot (*Sclerotinia sclerotiorum*) in canola (*Brassica napus*). ICPP 2018: Plant Health in A Global Economy. July 29-August 03, 2018, Boston, USA.
- **Khan MA**, Cowling W, Banga SS, You MP, Barbetti MJ. Effective management of Sclerotinia stem rot (*Sclerotinia sclerotiorum*) in canola (*Brassica Napus*) through exploring host resistance. AusCanola2018. Sep 04-06, 2018, Perth, Australia.
- **Khan MA**, Mahmood A, Tayyab M, Rehman H. Effect of compost on growth and biomass yield of *sorghum bicolor*. International Workshop on "Renewable Energy Technologies for Community Development in Pakistan", November 04-06, 2015. Organized by University of Agriculture, Faisalabad-Pakistan and University of Kassel-Germany.ISBN:978-969-9035-11-1
- **Khan MA**, Aziz SA, Ali E, Mirza S, Rehman H, Tayyab M, Haroon H. Comparative study of cultivated Brassica genotypes for yield related traits with a focus of Bio-diesel production potential under water stress Condition. International Workshop on "Sustainable Energy Solutions for Community Development in Pakistan", November 08-09, 2016. Organized by University of Agriculture, Faisalabad-Pakistan and University of Kassel-Germany. ISBN 978-969-9035-13-5
- **Khan MA**, Mirza S, Aziz SA, Ali E, Rehman H, Tayyab M, Haroon H. Comparative study of different pretreatment methods for obtaining sugar rich Hydrolysate and its conversion into Bioethanol. International Workshop on "Sustainable Energy Solutions for Community Development in Pakistan", November 08-09, 2016. Organized by University of Agriculture, Faisalabad-Pakistan and University of Kassel-Germany. ISBN 978-969-9035-13-5
- Sher MA, Munir S, **Khan MA**, Khan SH. Gene mapping and sink-source interaction during reproductive stage drought tolerance in wheat: Classification of 550 Wheat accession on the bases of days to heading. 5th International Conference on "Agriculture Food Security and Climate Change" Sep. 09-11, 2014, University of Poonch, Rawalakot&PAS-forum, Pakistan.