

Research Publications

1. Ahmad, A., Ibrahim, M., Yaqoob, **M. Khan et al.** (2026). Genome sequencing reveals genes under selection for olfactory transduction in highland sheep. *Mol Genet Genomics* 301, 155
2. Khalid, A., Assad, N., Naeem-ul-Hassan, **M. Khan et al.** (2026.) Synthesis of bio-inspired silver nanoparticles using *Geranium wallichianum* D. Don ex Sweet. (Geraniaceae) leaf extract for antibacterial activity and colorimetric detection of Hg^{2+} . *Discover Nano* 21, 231
3. Syed Muzammil Hussain Shah1, Aqsa Ali, Hafsa Urooj, Rabia Anum1, **Majid Khan**, Zainab Liaqat. (2026). A Case Report on Huntington's Disease Presenting with Progressive Motor and Cognitive Decline. *INTERNATIONAL JOURNAL OF APPLIED AND CLINICAL RESEARCH*, 4(01), 5-6.
4. Khan, F., **M. Khan**, Din, I. U., Mohamed, H. I., Rezk, A. A., Al-Dossary, O., Alsubaie, B., & Ismail, A. M. (2025). Influence of *Bacillus subtilis* bioinoculant application methods on growth, yield traits, and biochemical contents of wheat (*Triticum aestivum* L.) cultivars. *Research in Agricultural Research*, 43, 1–12.
5. Mustafa K., **M. Khan**, M. tayyab, A. Gul, Zaheer ullah, A. Khan, M.S. Muhmand, R. Ali, S. Mohammad. (2025). Study Of the Effect of MS, DKW, And Wpm Media on In-Vitro Micropropagation of Ginger. February 2025. *Journal of Survey in Fisheries Sciences* 11(4):428-436. DOI: 10.53555/sfs.v11i4.3234
6. Tahira Mir, Muhammad Ibrahim, Muhammad Siraj, Sajid Ali Khan Bangash, Sher Hayat Khan, **Majid Khan**, Muhammad Tayyab, Sohail Ahmad. (2024). Novel mutations in exon 2 of follistatin (FST) gene associated with wool fiber diameter in sheep. *Small Ruminant Research*, volume 243, pages 107426, ISSN 0921-4488
7. Alam K, Din IU, Tariq S, Hayat K, Khan FU, **Khan M**, Mohamed HI. Green Synthesis and Characterization of Zinc Oxide Nanoparticles Biosynthesized from Butea monosperma Flowers and Glycyrrhiza glabra Roots and their Antioxidant and Antibacterial Properties. *Appl Biochem Biotechnol*. 2024 Nov 27. doi: 10.1007/s12010-024-05102-2.
8. Zahoor Khan, Bushra Khan, Javaid Iqbal, **Majid Khan**, Jawad Saeed, Syed Tanveer Shah, Hina, & Sanan Abid. (2024). Elicitor-Mediated Augmentation Of Podophyllotoxin Biosynthesis In Podophyllum Hexandrum Royle: Unveiling A Remarkable Anticancer Potential. *Journal of Population Therapeutics and Clinical Pharmacology*, 31(5), 1067–1080.
9. Israr Ud Din, Salman Khan, Fahim Ullah Khan, **Majid Khan**; et al. (2023). Genetic Characterization of Advance Bread Wheat Lines for Yield and Stripe Rust Resistance. *ACS Omega* 8 (29), 25988-25998 DOI: 10.1021/acsomega.3c01981
10. Ullah S, Khan MN, Lodhi SS, Ahmed I, Tayyab M, Mehmood T, Din IU, **Khan M**, Sohail Q, Akram M. (2022). Targeted metabolomics reveals fatty acid abundance adjustments as playing a crucial role in drought-stress response and post-drought recovery in wheat. *Front Genet*. 10;13:972696.
11. Saeed, M.; Ahmad, W.; Ibrahim, **M.; Khan**, M.; Ullah, F.; Bari, A.; Ali, S.; Shah, L.; Ali, M.; Munsif, F.; et al. (2022) Differential Responses to Yellow-Rust Stress Assist in the Identification of Candidate Wheat (*Triticum aestivum* L.) Genotypes for Resistance Breeding. *Agronomy*, 12, 2038
12. Khan MN, Ahmed I, Ud Din I, Noureldeen A, Darwish H, **Khan M** (2022) Proteomic insight into soybean response to flooding stress reveals changes in energy metabolism and cell wall modifications. *PLoS ONE* 17(5): e0264453. <https://doi.org/10.1371/journal.pone.0264453>

13. Karami, O., Rahimi, A., **Khan, M.** *et al.* (2020) A suppressor of axillary meristem maturation promotes longevity in flowering **Plants**. *Nat. Plants* 6, 368–376. <https://doi.org/10.1038/s41477-020-0637-z>

14. Muhammad Salman, Rizwana Rizwana, Hayat Khan, Iqbal Munir, Muhammad Hamayun, Aquib Iqbal, Abdul Rehman, Khalid Amin, Ghayour Ahmed, **Majid Khan**, Ajmal Khan & Faiz Ul Amin (2019) Synergistic effect of silver nanoparticles and polymyxin B against biofilm produced by *Pseudomonas aeruginosa* isolates of pus samples in vitro, *Artificial Cells, Nanomedicine, and Biotechnology*, 47:1, 2465-2472, DOI: 10.1080/21691401.2019.1626864

15. **Book > Plant Response Mechanisms to Abiotic Stresses** OPEN ACCESS PEER-REVIEWED CHAPTER - ONLINE FIRST **Heterologous Expression of Genes in Plants for Abiotic Stresses** WRITTEN BY: Shahzad Ali, Nadir Zaman, Waqar Ali, **Majid Khan**, Muhammad Aasim, Asmat Ali and Muhammad Usman Submitted: April 29th, 2022 Reviewed: May 5th, 2022 Published: August 17th, 2022
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