

List of Publications

Selected Key Publications up to 2026

1. Ullah, R., Karim, A., Sohrab, S. S., El-Kady, R. A., Hasan, A., **Daur, I.**, & Yasir, M. (2026). Diversity and functional genomic insights into antimicrobial resistance and aromatic hydrocarbon degradation genes in the Red Sea coast microbial community. *Frontiers in Microbiology*, 17, 1936370. <https://doi.org/10.3389/fmicb.2026.1936370>
2. **Daur, I.**, & İlker, E. (2026). Biostimulants and Microbial Technologies for Sustainable Field Crops: From Mechanisms to Precision Deployment. *Turkish Journal of Field Crops*, 31(2). <https://doi.org/10.17557/tjfc.2007464>
3. Alwutayd, K. M., et al. (including **Daur, I.**) (2023). Microbe-induced drought tolerance by ABA-mediated root architecture and epigenetic reprogramming. *EMBO Reports*, 24, e56754. <https://doi.org/10.15252/embr.202256754>
4. Ullah, M., **Daur, I.**, Khan, B., Anjum, M. M., & Ali, N. (2023). Rock Phosphate and Phosphorus Solubilizing Bacteria Effect on Yield and Yield Components of Chickpea. *Gesunde Pflanzen*, 75, 2889–2898. <https://doi.org/10.1007/s10343-023-00866-9>
5. Mahmood, S., **Daur, I.**, Yasir, M., Waqas, M., & Hirt, H. (2022). Synergistic Practicing of Rhizobacteria and Silicon Improve Salt Tolerance: Implications from Boosted Oxidative Metabolism, Nutrient Uptake, Growth and Grain Yield in Mung Bean. *Plants*, 11(15), 1980. <https://doi.org/10.3390/plants11151980>
6. de Zélicourt, A., et al. (including **Daur, I.**) (2018). Ethylene induced plant stress tolerance by *Enterobacter* sp. SA187 is mediated by 2-keto-4-methylthiobutyric acid production. *PLOS Genetics*, 14(3), e1007273. <https://doi.org/10.1371/journal.pgen.1007273>
7. **Daur, I.**, et al. (2018). Boosting Alfalfa (*Medicago sativa* L.) Production with Rhizobacteria from Various Plants in Saudi Arabia. *Frontiers in Microbiology*, 9, 477. <https://doi.org/10.3389/fmicb.2018.00477>
8. Shah, Z. H., et al. (including **Daur, I.**) (2018). Humic Substances: Determining Potential Molecular Regulatory Processes in Plants. *Frontiers in Plant Science*, 9, 263. <https://doi.org/10.3389/fpls.2018.00263>
9. **Daur, I.** (2015). Chemical composition of selected Saudi medicinal plants. *Arabian Journal of Chemistry*, 8(3), 329–332. <https://doi.org/10.1016/j.arabjc.2013.10.015>

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