

References

- Ahmed, N., Zhang, B., Chachar, Z., Li, J., Xiao, G., Wang, Q., ... & Tu, P. (2024). Micronutrients and their effects on horticultural crop quality, productivity and sustainability. *Scientia Horticulturae*, 323, 112512.
- Ajjah, N., Fiodor, A., Pandey, A. K., Rana, A., & Pranaw, K. (2023). Plant growth-promoting bacteria (PGPB) with biofilm-forming ability: a multifaceted agent for sustainable agriculture. *Diversity*, 15(1), 112.
- Amezquita-Aviles, C. F., Coronel-Acosta, C. B., Santos-Villalobos, S. D. L., Santoyo, G., & Parra-Cota, F. I. (2022). Characterization of native plant growth-promoting bacteria (PGPB) and their effect on the development of maize (*Zea mays* L.). *Biotechnia*, 24(1), 15-22.
- Andlar, M., Rezić, T., Marđetko, N., Kracher, D., Ludwig, R., & Šantek, B. (2018). Lignocellulose degradation: An overview of fungi and fungal enzymes involved in lignocellulose degradation. *Engineering in life sciences*, 18(11), 768-778.
- Begum, N., Qin, C., Ahanger, M. A., Raza, S., Khan, M. I., Ashraf, M., ... & Zhang, L. (2019). Role of arbuscular mycorrhizal fungi in plant growth regulation: implications in abiotic stress tolerance. *Frontiers in plant science*, 10, 1068.
- Bhat, M. A., Mishra, A. K., Shah, S. N., Bhat, M. A., Jan, S., Rahman, S., ... & Jan, A. T. (2024). Soil and Mineral Nutrients in Plant Health: A Prospective Study of Iron and Phosphorus in the Growth and Development of Plants. *Current Issues in Molecular Biology*, 46(6), 5194-5222.
- Castiglione, S., Oliva, G., Vigliotta, G., Novello, G., Gamalero, E., Lingua, G., ... & Guarino, F. (2021). Effects of compost amendment on glycophyte and halophyte crops grown on saline soils: Isolation and characterization of rhizobacteria with plant growth promoting features and high salt resistance. *Applied Sciences*, 11(5), 2125.
- Chavez, C. M., Groenewald, M., Hulfachor, A. B., Kpurubu, G., Huerta, R., Hittinger, C. T., & Rokas, A. (2024). The cell morphological diversity of Saccharomycotina yeasts. *FEMS yeast research*, 24, foad055. <https://doi.org/10.1093/femsyr/foad055>.

- Ding, Y., Wang, J., Liu, Y., & Chen, S. (2005). Isolation and identification of nitrogen-fixing bacilli from plant rhizospheres in Beijing region. *Journal of Applied Microbiology*, 99(5), 1271-1281.
- El-Saadony, M. T., Saad, A. M., Soliman, S. M., Salem, H. M., Ahmed, A. I., Mahmood, M., ... & AbuQamar, S. F. (2022). Plant growth-promoting microorganisms as biocontrol agents of plant diseases: Mechanisms, challenges and future perspectives. *Frontiers in plant science*, 13, 923880.
- García-Sánchez, M., & Száková, J. (2016). Biological Remediation of Mercury-Polluted Environments. *Plant Metal Interaction*, 311–334. <https://doi.org/10.1016/b978-0-12-803158-2.00012-6>
- Gómez-Godínez, L. J., Aguirre-Noyola, J. L., Martínez-Romero, E., Arteaga-Garibay, R. I., Ireta-Moreno, J., & Ruvalcaba-Gómez, J. M. (2023). A look at plant-growth-promoting bacteria. *Plants*, 12(8), 1668.
- Gomes, A. F., Almeida, M. C., Sousa, E., & Resende, D. I. (2024). Siderophores and metallophores: Metal complexation weapons to fight environmental pollution. *Science of The Total Environment*, 173044.
- Goswami, S., Goel, N., & Majumdar, R. S. (2021). Phylloplane microbes impact host physiology: a review. *Journal of Plant Protection Research*, 61(3).
- Hossain, M. M., & Sultana, F. (2020). Application and mechanisms of plant growth promoting fungi (PGPF) for phytostimulation. *Organic agriculture*, 1, 31.
- Jose, J. V. (2023). Physiological and molecular aspects of macronutrient uptake by higher plants. In *Sustainable plant nutrition* (pp. 1-21). Academic Press.
- Krull, R., Wucherpfennig, T., Esfandabadi, M. E., Walisko, R., Melzer, G., Hempel, D. C., ... & Wittmann, C. (2013). Characterization and control of fungal morphology for improved production performance in biotechnology. *Journal of biotechnology*, 163(2), 112-123
- Kumar, A., & Verma, J. P. (2018). Does plant-microbe interaction confer stress tolerance in plants: a review. *Microbiological research*, 207, 41-52.

- Leghari, S. J., Wahocho, N. A., Laghari, G. M., HafeezLaghari, A., MustafaBhabhan, G., HussainTalpur, K., ... & Lashari, A. A. (2016). Role of nitrogen for plant growth and development: A review. *Advances in Environmental Biology*, 10(9), 209-219.
- Nemet, F., Perić, K., & Lončarić, Z. (2021). Microbiological activities in the composting process—A review. *COLUMELLA—Journal of Agricultural and Environmental Sciences*, 8(2), 41-53.
- Malhotra, H., Vandana, Sharma, S., & Pandey, R. (2018). Phosphorus nutrition: plant growth in response to deficiency and excess. *Plant nutrients and abiotic stress tolerance*, 171-190.
- Misra, R. V., Roy, R. N., & Hiraoka, H. (2003). On-farm composting methods. Rome, Italy: UN-FAO.
- Moss, B. (2008). Water pollution by agriculture. *Philosophical Transactions of the Royal Society B: Biological Sciences*, 363 (1491), 659-666.
- Oliva, G., Vigliotta, G., Terzaghi, M., Guarino, F., Cicatelli, A., Montagnoli, A., & Castiglione, S. (2023). Counteracting action of *Bacillus stratosphericus* and *Staphylococcus succinus* strains against deleterious salt effects on *Zea mays* L. *Frontiers in Microbiology*, 14, 1171980.
- Parikh, S. J. & James, B. R. (2012) Soil: The Foundation of Agriculture. *Nature Education Knowledge* 3(10):2
- Rastogi, M., Nandal, M., & Khosla, B. (2020). Microbes as vital additives for solid waste composting. *Heliyon*, 6(2), e03343. <https://doi.org/10.1016/j.heliyon.2020.e03343>
- Singh, B., & Schulze, D. G. (2015). Soil minerals and plant nutrition. *Nature Education Knowledge*, 6(1), 1.
- Sole-Mauri, F., Illa, J., Magrí, A., Prenafeta-Boldú, F. X., & Flotats, X. (2007). An integrated biochemical and physical model for the composting process. *Bioresource Technology*, 98(17), 3278–3293. doi:10.1016/j.biortech.2006.07.012
- Teiba, I. I., El-Bilawy, E. H., Elsheery, N. I., & Rastogi, A. (2023). Microbial Allies in Agriculture: Harnessing Plant Growth-Promoting Microorganisms as Guardians against Biotic and Abiotic Stresses. *Horticulturae*, 10(1), 12.

- Velten, S., Leventon, J., Jager, N., & Newig, J. (2015). What is sustainable agriculture? A systematic review. *Sustainability*, 7(6), 7833-7865.
- Vranova, V., Rejsek, K., Skene, K. R., Janous, D., & Formanek, P. (2013). Methods of collection of plant root exudates in relation to plant metabolism and purpose: a review. *Journal of Plant Nutrition and Soil Science*, 176(2), 175-199.
- Wang, Y. X., Liu, X. Y., Di, H. H., He, X. S., Sun, Y., Xiang, S., & Huang, Z. B. (2024). The mechanism of microbial community succession and microbial co-occurrence network in soil with compost application. *Science of The Total Environment*, 906, 167409.
- Wichuk, K. M., & McCartney, D. (2010). Compost stability and maturity evaluation—a literature review. *Canadian Journal of Civil Engineering*, 37(11), 1505-1523. <https://doi.org/10.1139/L10-101>