




OTHER PUBLICATIONS


Note: Impact factors given are at the time of acceptance


Sen, M. K., Bhattacharya, S., **Bharati, R.**, Hamouzova, K., & Soukup, J. Comprehensive Insights into Herbicide Resistance Mechanisms in Weeds: A Synergistic Integration of Transcriptomic and Metabolomic Analyses. *Frontiers in Plant Science*, 14, 1280118. [IF: 5.6] 

Hamouzova, K., Sen, M. K., **Bharati, R.**, Košnarová, P., Chawdhery, M. R. A., Roy, A., & Soukup, J. (2023). Calcium signalling in weeds under herbicide stress: An outlook. *Frontiers in Plant Science*, 14, 1135845. [IF: 6.62] 

Bharati, R., Sen, M. K., Kumar, R., Gupta, A., Žiarovská, J., Fernández-Cusimamani, E., & Leuner, O. (2023). Systematic Identification of Suitable Reference Genes for Quantitative Real-Time PCR Analysis in *Melissa officinalis* L. *Plants*, 12(3), 470. [IF: 4.65] 

Sen, M. K.; Hamouzová, K.; Onkokesung, N.; Menendez, J.; Torra, J.; Košnarová, P.; Sellamuthu, G.; Gupta, A.; **Bharati, R.**; Sur, V. P.; Roy, A.; Soukup, J. Transcriptomic Response in Pyroxsulam Resistant and Susceptible *Bromus sterilis* Identified Three Distinct Mechanisms of Resistance, 2023. <https://doi.org/10.1101/2023.07.14.548957>. [Preprint]

Bharati, R., Sen, M. K., Kumar, R., Gupta, A., Sur, V. P., Melnikovová, I., & Fernández-Cusimamani, E. (2022). Selection and validation of the most suitable reference genes for quantitative real-time PCR normalization in *Salvia rosmarinus* under in vitro conditions. *Plants*, 11(21), 2878. [IF: 4.65] 

Sen, M. K., Hamouzová, K., Mikulka, J., **Bharati, R.**, Košnarová, P., Hamouz, P., ... & Soukup, J. (2021). Enhanced metabolism and target gene overexpression confer resistance against acetolactate synthase-inhibiting herbicides in *Bromus sterilis*. *Pest Management Science*, 77(4), 2122-2128. [IF: 4.84] 

Žiarovská, J., Urbanová, L., Montero-Torres, J., Kováčik, A., Klongová, L., **Bharati, R.**, ... & Leuner, O. (2023). Polymorphism of Bolivian accessions of *Arachis hypogaea* L. revealed by allergen coding DNA markers. *Plant, Soil and Environment*, 69(12), 615-627. [IF: 2.4] 