





THESIS PUBLICATIONS

Note: Impact factors given are at the time of acceptance

Bharati, R., Fernández-Cusimamani, E., Gupta, A., Novy, P., Moses, O., Severová, L., ... & Šrédli, K. (2023). Oryzalin induces polyploids with superior morphology and increased levels of essential oil production in *Mentha spicata* L. *Industrial Crops and Products*, 198, 116683. [IF: 6.44] 

Bharati, R., Gupta, A., Novy, P., Severová, L., Šrédli, K. & Fernández-Cusimamani, E. Synthetic polyploid induction improves essential oil yield and other agronomical traits in *Melissa officinalis* L. *Frontiers in Plant Science*, [IF: 5.6] 

Beranová, K., **Bharati, R.**, Žiarovská, J., Bilčíková, J., Hamouzová, K., Klíma, M., & Fernández-Cusimamani, E. (2022). Morphological, cytological, and molecular comparison between diploid and induced autotetraploids of *Callisia fragrans* (Lindl.) woodson. *Agronomy*, 12(10), 2520. [IF: 3.94] 

Fernández-Cusimamani, E., **Bharati, R.**, Javůrková, T. A., Škvorová, P., Paznocht, L., Kotikova, Z., ... & Orsák, M. (2023). Artificial Polyploidization Enhances Morphological, Physiological, and Biological Characteristics in *Melothria scabra* Naudin. *Horticulturae*, 10(1), 22. [IF: 3.1] 

Bharati, R., Sen, M. K., Severová, L., Svoboda, R., & Fernández-Cusimamani, E. (2023). Polyploidization and Genomic Selection Integration for Grapevine Breeding: A Perspective. *Frontiers in Plant Science*. [IF: 5.6] 