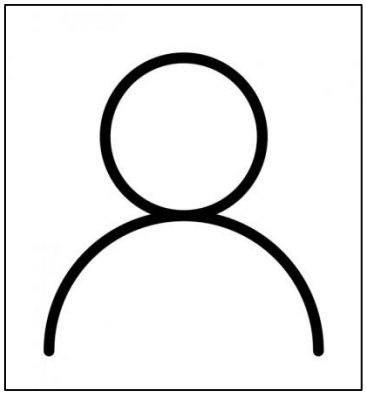
Alina Wiszniewska Dr.Sc



University of Agriculture in Krakow

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Consultation hours: Tuesday, 11.30-13.00

Research interest:

- plant responses to abiotic stress, particularly functioning of extremophytes under abiotic stress,
- mechanisms of co-tolerance to multiple stresses,
- plant tissue cultures
- in vitro selection towards enhanced tolerance to metallic stress

Research experience:

Visiting Scholar Polytechnic University of Valencia, Spain, Laboratory of Cell Biology, 2 months

DSc, (Habilitation) 2019, Induction of heavy metal tolerance in *in vitro* culture of *Daphne jasminea*

PhD 2008, Protoplast cultures of yellow lupin (*Lupinus luteus* L.)

Professional profiles:

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Research Gate: https://www.researchgate.net/profile/Alina_Wiszniewska

Google Scholar: https://scholar.google.pl/citations?user=Vz8dh2cAAAAJ&hl=pl

List of publications:

Wiszniewska A., Muszyńska E., Kołton A., Kamińska I., Hanus-Fajerska E. 2019. In vitro acclimation to prolonged metallic stress is associated with modulation of antioxidant responses in a woody shrub *Daphne jasminea*. Plant Cell Tissue and Organ Culture 139(2): 339-357 https://doi.org/10.1007/s11240-019-01688-2

Wiszniewska A., Koźmińska A., Hanus-Fajerska E., Dziurka M., Dziurka K. 2019. Insight into mechanisms of multiple stresses tolerance in a halophyte *Aster tripolium* subjected to salinity and heavy metal stress. Ecotoxicology and Environmental Safety 180: 12-22 https://doi.org/10.1016/j.ecoenv.2019.04.059

Wiszniewska A., Muszyńska E., Hanus-Fajerska E., Dziurka K., Dziurka M. 2018. Evaluation of the protective role of exogenous growth regulators against Ni toxicity in woody shrub *Daphne jasminea*. Planta 248(6): 1365-1381 https://doi.org/10.1007/s00425-018-2979-6

Koźmińska A., **Wiszniewska A.**, Hanus-Fajerska E., Muszyńska E. 2018. Recent strategies of increasing metal tolerance and phytoremediation potential using genetic transformation of plants. Plant Biotechnology Reports, 12(1): 1-14 DOI:10.1007/s11816-017-0467-2

Wiszniewska A., Hanus-Fajerska E., Muszyńska E., Ciarkowska K. 2016. Natural organic amendments for improved phytoremediation of polluted soils. A review of recent progress. Pedosphere 26(1): 1-12