Dr hab. inż. Agnieszka Lis-Krzyścin

University of Agriculture in Krakow

Faculty of Biotechnology and Horticulture, Department of Plant Biology and Biotechnology

Address: Al. 29 Listopada 54, 31-425 Kraków , Room 210

Phone: (+48 12) 662 52 37

Email: agnieszka.lis-krzyscin@urk.edu.pl

Consultation hours: Monday 10.00-12.00
Wednesday 11.00-13.00

Research interest:

- nutrition of ornamental plants in containers and green areas
- substrates and their physic-chemical properties in horticultural production
- green roofs and their maintenance
- new types of fertilisers in horticultural crops

Research experience:

DSc, (Habilitation) 2013, Glassy fertilisers in horticulture.

PhD 1998, The effect of fertilisation with various doses and forms of nitrogen on the growth, development and nutritional status of selected mineral components of zonal geranium plants (*Pelargonium x hortorum*) var. Pinto Salmon Orange.

Professional profiles:

ORCID: http://orcid.org/0000-0002-6630-3245
Research ID: http://www.researcherid.com/rid/...
Research Gate: https://www.researchgate.net/profile/Agnieszka_Lis-Krzyscin/research

List of publications:

1. Domagała-Świątkiewicz I., Lis-Krzyścin A. 2014. Sustainable horticulture system. W: Ropek D. (red) Agroecology monograph Wydawnictwo Uniwersytetu Rolniczego w Krakowie, Kraków, str. 68-82.
2. Krawczyk A., Supel P., Kaszycki P., Lis-Krzyścin A. 2015. Zastosowanie dwuskładnikowego bionawozu bakteryjno-mineralnego w uprawie roślin ozdobnych (Use of a two-component, mineral-bacterial biofertilizer in cultivation of ornamental plants). Przemysł chemiczny 94/7, 1183-1189.
3. Krawczyk A., Lis-Krzyścin A., Domagała-Świątkiewicz I. 2016. Materiały odpadowe wykorzystywane do produkcji podłoży uprawowych do zakładania ekstensywnych zielonych dachów (Waste materials used in the production of growing substrates for extensive green roofs). Współczesne kierunki badań nad roślinami ozdobnymi w Polsce Monografia PAN: 345-357.
4. Krawczyk A., Domagała-Świątkiewicz I., Lis-Krzyścin A., Daraż M. 2017. Waste silica as a valuable component of extensive green roof substrates. Polish Journal of Environmental Studies 26(2): 643-653.
5. Krawczyk A., Domagała-Świątkiewicz I., Lis-Krzyścin A. 2017. The effect of substrate on growth and nutritional status of native xerothermic species grown in extensive green roof technology. Ecological Engineering 108: 194–202**.**
6. Kiełkowska A., Grzebelus E., Lis-Krzyścin A., Maćkowska K. 2019. Application of the salt stress to the protoplast cultures of the carrot (*Daucus carota* L.) and evaluation of the response of regenerants to soil salinity. Plant Cell, Tissue and Organ Culture (PCTOC) 137: 379–395**.**
7. Śliwa-Cebula M., Kaszycki P., Kaczmarczyk A., Nosek M., Lis-Krzyścin A., Miszalski Z. 2020. The Common Ice Plant (*Mesembryanthemum crystallinum* L.) – Phytoremediation Potential for Cadmium and Chromate-contaminated soils. Plants 9(9): 1230.
8. Krawczyk A., Domagała-Świątkiewicz I, Lis-Krzyścin A. 2021. Time-Dependent Changes in the Physico-Chemical Parameters and Growth Responses of *Sedum acre* (L.) to Waste-Based Growing Substrates in Simulation Extensive Green Roof Experiment. Agronomy 11(2): 298