Candidate supervisor's information summary form

Name and surname, degree, title:	**Maria Janicka PhD, DSc**
Discipline/ disciplines of science	Agriculture and Horticulture
Professional development (degrees and titles) in chronological order	1986 PhD in agricultural sciences 2012 DSc of agricultural sciences, in the field of agronomy, specialty in grassland science
Most important publications/ patens over the last 3 years (maximum 10)	Schils R.L.M., ….. Janicka M., …… (30 autorów) 2022. Permanent grasslands in Europe: Land use change and intensification decrease their multifunctionality. Agriculture, Ecosystems & Environment, 330, 107891, https://doi.org/10.1016/j.agee.2022.107891. Borawska-Jarmułowicz, B.; Mastalerczuk, G.; Janicka, M.; Wróbel, B. 2022. Effect of Silicon-Containing Fertilizers on the Nutritional Value of Grass–Legume Mixtures on Temporary Grasslands. Agriculture 2022, 12, 145. https://doi.org/10.3390/agriculture12020145 Janicka M., Pawluśkiewicz B., Małuszyńska E., Gnatowski T. 2021. Diversity of the Seed Material of Selected Plant Species of Naturally Valuable Grassland Habitats in Terms of the Prognosis of Introduction Success. Sustainability, 13, 13979. https://doi.org/10.3390/su132413979 Janicka M., Kutkowska A., Paderewski J. 2021. Diversity of segetal flora in *Salix viminalis* L. crops established on former arable and fallow lands in central Poland. Agriculture, 11(1), 25; doi:10.3390/agriculture11010025 Janicka M., Kutkowska A., Paderewski J. 2020. Differentiation of vascular flora accompanying *Salix viminalis* L. crops depending on soil agricultural complex. Global Ecology and Conservation 23, e01068 https://doi.org/10.1016/j.gecco.2020.e01068 Kutkowska A., Janicka M., Paderewski J. 2020. The characteristics of *Salix viminalis* L. crop flora established in soils with different phosphorus contents. Soil Science Annual, 2020, 71(3), 252–264. Janicka M., Pawluśkiewicz B. 2020. The increasing in the floristic diversity of the abandoned *Arrhenatherion elatioris* meadows by dicotyledonous species oversowing. Journal of Ecological Engineering 21(1), 168-179. Pawluśkiewicz B., Gnatowski T., Janicka M. 2020. The influence of soil contamination with diesel oil on germination dynamics and

	seedling development of selected species of the *Fabaceae* family. Journal of Ecological Engineering 21(1), 210-218. Pawluśkiewicz B., Janicka M., Piekut K. 2019. Effect of different introduction methods on plant species establishment success in wet grassland restoration. Polish Journal of Environmental Studies, 28, 3, 1857-1867. Janicka M., Pawluśkiewicz B., Małuszyńska E. 2019. The analysis of the traits determining the development of some plant species typical for the meadow habitats of the Natura 2000 network. Scientific Review – Engineering and Environmental Sciences 28(1), 82-94.
Experience in work with doctoral students (defended doctoral dissertations, doctoral programmes opened) in chronological order	Aneta Kutkowska, MSc - doctoral programme opened (2018), supervisor mgr Faisal Anggi Pradita (2022) – Doctoral School WULS, supervisor
Project/grants achievements (from the last 10 years)	2018 – 2024 The Horizon 2020 SUPER-G project (Developing SUstainable PERmanent Grassland Farming Systems and Policies) founded by the European Community's Horizon 2020 Programme under Grant Agreement no. 774124, deputy manager of the WP2 Task "Biodiversity of permanent grasslands"
Topic – research problem – for which the candidate supervisor seeks a doctoral student	1. Floristic diversity of semi-natural meadow communities located in Natura 2000 areas and in their immediate vicinity. 2. Threats, possibilities of maintaining and ecological restoration of floristically rich meadow communities. 3. Possibilities of improving the meadow sward depending on the degree of its degradation and habitat conditions with the use of the latest overdrilling technologies. The proposed researches are aimed at determining the possibility of restoring floristically rich meadow communities and improving the methods of renovation of low-yielding permanent grasslands using the latest overdrilling technologies and biological characteristics of grass and legume species (cultivars).
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