

Candidate supervisor's information summary form

Name and surname, degree, title: Maria Janicka PhD, DSc	
Academic discipline/disciplines	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/ patents in the last 3 years (maximum 10)	<p>Janicka M., Kutkowska A., Paderewski J. 2025. Temporal changes in diversity of vascular flora accompanying <i>Salix viminalis</i> L. plantations. <i>Journal of Water and Land Development</i>, 64 (I–III), 100–111. DOI: 10.24425/jwld.2025.153521</p> <p>Pradita F.A., Janicka M. 2025. Predicting plant establishment: Germination responses of five <i>Arrhenatherion</i> alliance species from two distinct climatic origins. <i>Journal of Water and Land Development</i>, 64 (I–III), 148–154. DOI: 10.24425/jwld.2025.153527</p> <p>Janicka M. 2023. Improvement of temporary grassland by <i>Dactylis glomerata</i> L. overseeding at different dates. <i>Proceedings of the 22nd Symposium of the European Grassland Federation, Grassland Science in Europe</i>, vol. 28: 79-81</p> <p>Janicka M., Pawluśkiewicz B., Gnatowski T. 2023. Preliminary Results of the Introduction of Dicotyledonous Meadow Species. <i>Sustainability</i> 2023, 15, 3231. https://doi.org/10.3390/su15043231</p> <p>Schils R.L.M., Janicka M., (30 autorów) 2022. Permanent grasslands in Europe: Land use change and intensification decrease their multifunctionality. <i>Agriculture, Ecosystems & Environment</i>, 330, 107891, https://doi.org/10.1016/j.agee.2022.107891.</p> <p>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. <i>Agriculture</i> 2022, 12, 145. https://doi.org/10.3390/agriculture12020145</p> <p>Janicka M., Pawluśkiewicz B. 2022. Possibilities for estimating the yield and quality of forage harvested from meadows of high natural value with nondestructive methods. <i>Proceedings of the 29th General Meeting of the European Grassland Federation, Grassland Science in Europe</i>, vol. 27: 182-184.</p> <p>Janicka M., Pawluśkiewicz B., Małuszyńska E., Gnatowski T. 2021. Diversity of the Seed Material of Selected Plant Species of</p>

	<p>Naturally Valuable Grassland Habitats in Terms of the Prognosis of Introduction Success. Sustainability, 13, 13979. https://doi.org/10.3390/su132413979</p> <p>Schils R.L.M., Janicka M., (24 autorów) 2020. European permanent grasslands mainly threatened by abandonment, heat and drought, and conversion to temporary grassland, Proceedings of the 28th General Meeting of the EU Grassland Federation, Grassland Science in Europe, vol. 25: 553-555</p> <p>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.</p>
Experience in work with doctoral students (defended doctoral dissertations, initiated doctoral procedures) in chronological order	<p>Aneta Kutkowska, PhD – supervisor (defense of doctoral dissertation 28.09.2022)</p> <p>MSc Faisal Anggi Pradita– supervisor, Doctoral School WULS, (initiated doctoral programmes 2021)</p>
Achievements in the area of projects/grants (in the last 5 years)	2018 – 2024 The Horizon 2020 SUPER-G project (Developing SUsustainable PERmanent Grassland Farming Systems and Policies) founded by the European Community's Horizon 2020 Programme under Grant Agreement no. 774124,
Subject area of the research project for which the candidate student is being recruited	<p>1 Possibilities of improving the meadow sward depending on the degree of its degradation and habitat conditions with the use of the latest overdrilling technologies.</p> <p>2. Threats, possibilities of maintaining and ecological restoration of floristically rich meadow communities.</p> <p>3. Floristic diversity of semi-natural meadow communities located in Natura 2000 areas and in their immediate vicinity.</p> <p>The proposed researches are aimed at:</p> <p>1) improving the methods of renovation of low-yielding permanent grasslands using the latest overdrilling technologies and biological characteristics of grass and legume species (cultivars).</p> <p>2) determining the possibility of maintaining and restoring floristically rich meadow communities</p>
<u>Contact details:</u> Institute E-mail address Telephone number	<p>Faculty of Agriculture and Ecology</p> <p>Agricultural Institute, Department of Agronomy</p> <p>maria_janicka@sggw.edu.pl</p> <p>887-614-181</p>