Candidate supervisor's information summary form
maximum 2 pages – it should be a summary of most important achievements

Name and surname, degree, title: dr hab. Łukasz Uzarowicz, prof. SGGW	
Academic discipline/disciplines	Agriculture and horticulture
Professional development (degrees and titles) in chronological order	• 2021 – Professor of WULS • 2019 – Habilitation in agriculture/agronomy, Warsaw University of Life Sciences - SGGW • 2009 - Ph.D., Earth sciences (area of Geography, specialization: Soil Science), Jagiellonian University in Krakow • 2007 - M.Sc., Geology, Jagiellonian University in Krakow • 2005 - M.Sc., Geography, Jagiellonian University in Krakow
Most important publications/ patents in the last 3 years (maximum 10)	1. Pędziwiatr, A., Potysz, A., Kaczmarczyk, I., Sulej, J., Kwasowski, W., Uzarowicz, Ł., 2025. Combined approach using soil and fly ash analysis to understand the environmental consequences of coal combustion in thermal power stations in the city. Water Air & Soil Pollution 236, 146. 2. Waroszewski, J., Uzarowicz, Ł., Kasprzak, M., Egli, M., Loba, A., Błachowski, A., 2024. Formation of placic horizons in soils of a temperate climate – The interplay of lithology and pedogenesis (Stołowe Mts, SW Poland), Geoderma 452, 117118. 3. Tarnawczyk, M., Uzarowicz, Ł., Kwasowski, W., Górka-Kostrubiec, B., Pędziwiatr, A., 2024. Soil-forming factors controlling Technosol formation in historical mining and metallurgical sites in the high-alpine environment of the Tatra Mountains, southern Poland. Catena 247, 108521. 4. Uzarowicz, Ł., Swęd, M., Kwasowski, W., Pędziwiatr, A., Kaczmarek, D., Koprowska, D., Górka-Kostrubiec, B., Pawłowicz, E., Murach, D., 2024. Initial pedogenic processes, mineral and chemical transformations and mobility of trace elements in Technosols on dumps of the former copper mines in Miedziana Góra and Miedzianka, the Świętokrzyskie Mts., south-central Poland. Catena 245, 108293. 5. Uzarowicz, Ł., Stobiński, M., Jędrzejek, F., Szarłowicz, K., Murach D., 2024. Radioactivity of Technosols on thermal power station ash disposal sites: assessment of potential radiological human-health risk. Land Degradation & Development 35(13), 4093-4104. 6. Stachnik, Ł., Yde, J.C., Krzemień, K., Uzarowicz, Ł., Sitek, S., Kenis, P., 2022. SEM-EDS and water chemistry characteristics at the early stages of glacier recession reveal biogeochemical coupling between proglacial sediments and meltwater. Science of The Total Environment 835, 155383. 7. Swęd, M., Uzarowicz, Ł., Duczmal-Czernikiewicz, A., Kwasowski, W., Pędziwiatr, A., Siepak, M., Niedzielski, P., 2022. Forms of metal(loid)s in soils derived from historical calamine mining waste and tailings of the Olkusz Zn–Pb ore district, southern Poland: A combined pedological, geochemical and mineralogical approach. Applied Geochemistry, 139, 105218.

Experience in work with doctoral students (defended doctoral dissertations, initiated doctoral procedures) in chronological order	• 2022, assistant supervisor in the doctoral dissertation, MA Maciej Swęd, Institute of Geology, Adam Mickiewicz University in Poznań, PhD thesis "Geochemical and mineralogical study of weathering zones from areas of exploitation of Polish deposits of zinc, lead and copper (in the Silesia-Cracow and Świętokrzyskie areas)". • 2017, member of the examination committee, doctoral dissertation "Interaction between soils, mining wastes and the dynamics of supergene mineral phases in metal mining environments of SE Spain", PhD student: José Matías Peñas Castejón, Universidad Politecnica de Cartagena, Spain
Achievements in the area of projects/grants (in the last 5 years)	• Contractor in the project no. EJPSOIL/I/78/SOMPACS/2022 entitled “Soil management effects on soil organic matter properties and carbon sequestration” (SOMPACS) within the program: EJP SOIL 1st external Call submission “Towards Healthy, Resilient and Sustainable Agricultural Soils”. Project financed by the European Union, years 2022-2025. • Contractor (supervisor) in the research project no. 2021/41/N/ST10/03129 entitled “Mineralogical, micromorphological and geochemical indicators of genesis and pollution degree of technogenic soils (Technosols) developed on historical mining and metallurgical sites in the Tatra Mountains”; project manager: mgr inż. Magdalena Tarnawczyk; project financed by the National Science Center, PRELUDIUM-20 call, years 2022-2025.
Subject area of the research project for which the candidate student is being recruited	• The influence of long-term agricultural practices and different cultivation systems on the biological properties of agriculturally used soils • Geochemical, mineralogical, micromorphological and biological characteristics of technogenic soils (Spolic Technosols) developed on mine and industrial waste disposal sites
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