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. inż. Piotr Dąbrowski, associate professor**	
Academic discipline/disciplines	environmental engineering, mining and energy/agriculture and horticulture
Professional development (degrees and titles) in chronological order	2009 – Master of Science in Engineering, second-cycle studies at the Interfaculty Study of Environmental Protection, Warsaw University of Life Sciences (SGGW). Specialization: Environmental Protection Technologies. Degree awarded with distinction. 2010 – Postgraduate studies: "Management of Natura 2000 Areas", Faculty of Civil and Environmental Engineering, Warsaw University of Life Sciences (SGGW). 2013 – Doctor of Agricultural Sciences in Environmental Protection and Management. Doctoral studies from 2009 to 2013 at the Faculty of Civil and Environmental Engineering, Warsaw University of Life Sciences (SGGW). 2018 – Habilitated Doctor (DSc) in Agricultural Sciences in Environmental Protection and Management. 2022 – Professor at Warsaw University of Life Sciences (SGGW).
Most important publications/ patents in the last 3 years (maximum 10)	Dąbrowski P. et al. 2023, Photosynthetic efficiency of perennial ryegrass (Lolium perenne L.) seedlings in response to Ni and Cd stress. Scientific Reports, 13. Dąbrowski P. et al. 2024, Photosynthetic Efficiency of Plants as an Indicator of Tolerance to Petroleum-Contaminated Soils. Sustainability 16(24), 10811 Dąbrowski P. et al. 2024, Relationship between photosynthetic performance and yield loss in winter oilseed rape (Brassica napus L.) under frost conditions. Photosynthetica 62(3), 240 – 251. Dąbrowski P. et al. 2024, Photosynthetic Performance and Yield Losses of Winter Rapeseed (Brassica napus L. var. napus) Caused by Simulated Hail. Plants 13, 1785. Staniszewski R. et al. 2024, Recent Issues and Challenges in the Study of Inland Waters. Water 16(9), 1216. Turnau K. et al.. Fungal symbionts impact cyanobacterial biofilm durability and photosynthetic efficiency. Current Biology, 33(23), 5257-5262. e3 Mastalerczuk G.,….Dąbrowski P. 2025, Silicon mitigates the adverse effects of drought on *Lolium perenne* physiological, morphometric and anatomical characters. PeerJ, 13, e18944

Experience in work with doctoral students (defended doctoral dissertations, initiated doctoral procedures) in chronological order	Maciej Brzank – "The Influence of Land Use Methods on the Diversity of Meadow Communities in the Natura 2000 Area." Supervisor. Thesis defended on January 16, 2022. Tomasz Horaczek – "Response of the Photosynthetic Apparatus of Giant Miscanthus (Miscanthus × giganteus Andress.) Growing Under Selected Macronutrient Deficiency Conditions in the Substrate." Institute of Technology and Life Sciences in Falenty. Assistant Supervisor. Thesis defended on September 6, 2018. Żaneta Tuchowska – "Ecophysiological Response of Selected Plant Species as a Criterion for Their Selection in the Design of Green Exterior Walls." Industrial Doctorate funded by the Ministry of Science and Higher Education (MNiSW). Co-supervisor. Planned defense date: Fall 2025.
Achievements in the area of projects/grants (in the last 5 years)	Grant of the Rector of Warsaw University of Life Sciences (SGGW): "The Relationship Between Mercury Content in Soils Located in the Warsaw Agglomeration and Selected Plant Species," Principal Investigator. Grant of the Rector of Warsaw University of Life Sciences (SGGW): "Determining the Stress Induced by the Presence of Fluoranthene in Soil on Grasses in Terms of Their Suitability for the Remediation of Contaminated Soils," (2015). Principal Investigator. NCN Grant: "Interception-Transpiration-Evaporation; Interdependence of Hydrological Processes in a Wetland Ecosystem on the Example of Sedge Reeds." Research conducted in 2015 and 2016. National Science Centre, NCBiR Grant ID: 297915 HabitARS (BIOSTRATEG II): "Innovative Approach Supporting the Monitoring of Non-Forest Natural Habitats of Natura 2000 Using Remote Sensing Methods." Researcher.
Subject area of the research project for which the candidate student is being recruited	Impact of Urban Conditions on Vegetation Forming Urban Green Spaces. Effect of Anthropogenic Pollution of Water and Soil on Vegetation. Possibility of Rapid Detection of Plant Responses to Changing Environmental Conditions.
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