

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

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

<p>Experience in work with doctoral students (defended doctoral dissertations, initiated doctoral procedures) in chronological order</p>	<p>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.</p> <p>Tomasz Horaczek – "Response of the Photosynthetic Apparatus of Giant Miscanthus (<i>Miscanthus × giganteus</i> 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.</p> <p>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 2026.</p>
<p>Achievements in the area of projects/grants (in the last 5 years)</p>	<p>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.</p> <p>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.</p> <p>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.</p>
<p>Subject area of the research project for which the candidate student is being recruited</p>	<p>Impact of Urban Conditions on Vegetation Forming Urban Green Spaces.</p> <p>Effect of Anthropogenic Pollution of Water and Soil on Vegetation.</p> <p>Possibility of Rapid Detection of Plant Responses to Changing Environmental Conditions.</p>
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