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

Name and surname, degree, title: **Edyta Hewelke**, PhD with "habilitation	
Academic discipline/disciplines	Environmental Engineering, Mining and Energy
Professional development (degrees and titles) in chronological order	1996 - Master of Science in Engineering; 2002 - Doctor of Agricultural Sciences in Environmental Engineering; 2019 - habilitation, Engineering and Technology, Environmental Engineering,
Most important publications/ patents in the last 3 years (maximum 10)	Górska E.B., Stępień W., Hewelke E., Lata J.C., Gworek B., Gozdowski D., Sas-Paszt L., Bazot S., Lisek A., Gradowski M., Baczewska-Dąbrowska A.H., Dobrzyński J. (2024). Response of soil microbiota to various soil management practices in 100-year-old agriculture field and identification of potential bacterial ecological indicator. Ecological Indicators, 158, 111545. https://doi.org/10.1016/j.ecolind.2024.111545 Smreczak B., Hewelke E., Kowalik M., Ukalska–Jaruga A., Weber J. (2024). Rational management of agricultural soils under climate change. Soil Science Annual, 75(3)193074. https://doi.org/10.37501/soilsa/193074 Hewelke E., Mielnik L., Weber J., Perzanowska A., Jamroz E., Gozdowski D., Szacki P. (2024). Chemical and physical aspects of soil health resulting from long-term no-till management. Sustainability, 16, 9682. https://doi.org/10.3390/su16229682 Weber J., Mielnik L., Leinweber P., Hewelke E., Kocowicz A., Jamroz, E., & Podlasiński, M. (2024). The influence of different, long-term fertilizations on the chemical and spectroscopic properties of soil organic matter. Agronomy, 14(4), 837. https://doi.org/10.3390/agronomy14040837 Hewelke E., Zaniewski P.T., Pędziwiatr A., Gozdowski D., Górska E.B. (2024). The relations between soil hydrophobicity and vegetation in abandoned arable fields on sandy soil. Biologia 1-9. https://doi.org/10.1007/s11756-024-01776-5 Oleszczuk R., Bajkowski S., Urbański J., Pawluśkiewicz B., Małuszyński M., Małuszyńska I., Jadczyszyn J., Hewelke E. (2024). The Impacts of Beaver Dams on Groundwater Regime

	and Habitat 6510, Land 13(11), 1902. https://doi.org/10.3390/land13111902 Hewelke E., Weber J., Mielnik L., Górska E.B., Gozdowski D., Zaniewski P.T., Hewelke P. (2023). Soil Water Repellency in Reforested Sandy Soils. In: Sandy Soils. Eds: A.E. Hartemink & J. Huang. Springer (Progress in Soil Science Series). Hewelke, E., Weber, J., Gozdowski, D., Hewelke, P. (2023). Influence of contamination with diesel oil on water sorptivity and hydrophobicity of sandy loam soil. Land Degradation & Development. Hewelke, E., Zaniewski, P. T., Zaniewska, E., Papierowska, E., Gozdowski, D., Łachacz, A., & Górska, E. B. (2023). Does Spontaneous Secondary Succession Contribute to the Drying of the Topsoil?. Forests, 14(2), 356. Hewelke, E., Gozdowski, D., Korc, M., Małuszyńska, I., Górska, E. B., Sas, W., & Mielnik, L. (2022). Influence of soil moisture on hydrophobicity and water sorptivity of sandy soil no longer under agricultural use. Catena, 208, 105780,
Experience in work with doctoral students (defended doctoral dissertations, initiated doctoral procedures) in chronological order	
Achievements in the area of projects/grants (in the last 5 years)	2022 - 2025: Soil management effects on soil organic matter properties and carbon sequestration – SOMPACS in EJP Soil, Partner; 2021 - 2025: COST Action CA20138 - Network on Water-Energy-Food Nexus for a Low-Carbon Economy in Europe and beyond, Management Committee; 2016 - 2021 European COST programme Action CA15206 COST “Payments for Ecosystem Services (Forest for Water)” CA15206, Management Committee Substitute;
Subject area of the research project for which the candidate student is being recruited	Physical properties of soil health/quality.
<u>Contact details:</u> Institute E-mail address Telephone number	Warsaw University Life of Sciences Environmental Engineering, Mining and Energy edyta_hewelke@sggw.edu.pl, tel.: 48 22 5935356