

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

Name and surname, degree, title: Anna Podlasek, DSc, Assoc. Prof.	
Academic discipline/disciplines	civil engineering, geodesy and transport (CEGT) environmental engineering, mining and energy (EEME)
Professional development (degrees and titles) in chronological order	2024 – DSc (habilitation) 2018 – PhD 2013 – MSc
Most important publications/ patents in the last 3 years (maximum 10)	Podlasek, A., Koda, E., Kwas, A., Vaverková, M. D., & Jakimiuk, A. (2024). Anthropogenic and Natural Impacts on Surface Water Quality: The Consequences and Challenges at the Nexus of Waste Management Facilities, Industrial Zones, and Protected Areas. <i>Water Resources Management</i>, 1-22. Podlasek, A., Vaverková, M.D., Jakimiuk, A., Koda, E. (2024). Potentially toxic elements (PTEs) and ecological risk at waste disposal sites: An analysis of sanitary landfills. <i>PLoS ONE</i> 19(5): e0303272. Podlasek, A., Vaverková, M. D., Jakimiuk, A., & Koda, E. (2024). A comprehensive investigation of geoenvironmental pollution and health effects from municipal solid waste landfills. <i>Environmental Geochemistry and Health</i>, 46(3), 97. Podlasek, A., Vaverková, M., Koda, E., Jakimiuk, A., & Martínez Barroso, P. (2023). Characteristics and pollution potential of leachate from municipal solid waste landfills: Practical examples from Poland and the Czech Republic and a comprehensive evaluation in a global context. <i>Journal of Environmental Management</i>, 332, 117328. Koda, E., Podlasek, A. (2023). Sustainable use of construction and demolition wastes in a circular economy perspective. In <i>Sustainable and Circular Management of Resources and Waste Towards a Green Deal</i> (pp. 137-147). Elsevier. Podlasek, A., Vaverková, M.D., Koda, E., Paleologos, E.K., Adamcová, D., Bilgin, A., Palm, E.R., Nissim, W.G., (2022). Temporal variations in groundwater chemical composition of landfill areas in the vicinity of agricultural lands: a case study of the Zdounky and Petrůvky landfills in the Czech Republic. <i>Desalination and Water Treatment</i>, 275, 131-146. Podlasek, A. (2023). Modeling leachate generation: practical scenarios for municipal solid waste landfills in Poland. <i>Environmental Science and Pollution Research</i>, 30, 13256-13269.

	Mohammad, A., Singh, D. N., Podlasek, A. , Osinski, P., Koda, E. (2022). Leachate characteristics: Potential indicators for monitoring various phases of municipal solid waste decomposition in a bioreactor landfill. Journal of Environmental Management, 309, 114683.
Experience in work with doctoral students (defended doctoral dissertations, initiated doctoral procedures) in chronological order	Auxiliary supervisor - Aleksandra Jakimiuk, MSc, Doctoral School WULS-SGGW
Achievements in the area of projects/grants (in the last 5 years)	2021-2024 "Action for Education, Spatial Organisation and Planning for Sustainable Food (AESOP4FOOD)", KA220-Cooperation partnerships in higher education. Project Erasmus+:2021-1-NL01-KA220-HED-000023116. Principal Investigator. 2021-2024 "How to stay alive in V4? Phosphorus Friends Club builds V4's resilience". Projekt nr: 22110364. Visegrad Strategic Grants. Coordinator. 2023 „Green Campus SGGW - pilot study towards circular waste management”. „Inkubator Innowacyjności 4.0”. „Support for the management of scientific research and commercialisation of the results of R&D work in scientific entities and enterprises”. Principal Investigator. 2018-2021 National Science Centre, Preludium 13 („Analysis of contaminant migration processes in the soil-water environment using laboratory tests and numerical modeling techniques”). Principal Investigator.
Subject area of the research project for which the candidate student is being recruited	Chemometric analysis; numerical modelling; monitoring; sustainable construction; landfills; waste management.
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