

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

Name and surname, degree, title: Professor Magdalena Daria Vaverková	
Academic discipline/disciplines	civil engineering, geodesy and transport (CEGT) environmental engineering, mining and energy (EEME)
Professional development (degrees and titles) in chronological order	Professor
Most important publications/ patents in the last 3 years (maximum 10)	<p>Vaverková M.D., Paleologos E.K., Adamcová D., Podlasek A., Pasternak G., Červenková J., Skutnik Z., Koda E., Winkler J. Municipal solid waste landfill: Evidence of the effect of applied landfill management on vegetation composition. <i>Waste Management & Research</i>. 1–10, 2022.</p> <p>Vaverková M.D., Winkler J., Uldrijan D., Ogrodnik P., Vespalcová T., Aleksiejuk-Gawron J., Adamcová D., Koda E. Fire hazard associated with different types of photovoltaic power plants: effect of vegetation management. <i>Renewable and Sustainable Energy Reviews</i>. 162, 112491, 2022.</p> <p>Koda, E., Osiński. P., Podlasek, A., Markiewicz, A., Winkler, J., Vaverková, M.D. Geoenvironmental approaches in an old municipal waste landfill reclamation process: Expectations vs reality. <i>Soils and Foundations</i>. 2023, 63, 101273.</p> <p>VAVERKOVÁ M.D., MATSUI Y., VAVERKA I. Mottainai in Civil Engineering - A Message from Japan. <i>Acta Scientiarum Polonorum Architectura</i> 2023, 22, 205-217.</p> <p>Podlasek, A., Vaverková, M.D., Koda, E., Jakimiuk, A., Martínez Barroso, P. 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, 2023, 117328.</p> <p>Vaverková, M.D., Koda, E. Why landfill deposits are a distinguishing feature of the Anthropocene. <i>The Anthropocene Review</i> 2023, 1-11.</p> <p>Jakimiuk A., Matsui Y., Podlasek A., Koda E., Goli V.S.N.S., Voběrkova S., Singh D.N., Vaverková, M.D. Closing the Loop: A Case Study on Pathways for Promoting Sustainable Waste Management on University Campuses. <i>Science of the Total Environment</i>, 2023, 892, 164349.</p> <p>Vaverková, M.D., Paleologos, E.K., Goli, V.S.N.S., Koda, E., Mohammad, A., Podlasek, A., Winkler, J., Jakimiuk, A., Černý, M. And Singh, D.N. Landfills' environmental impacts: perspectives on biomonitoring. <i>Environmental Geotechnics</i>, 2023, 1-11.</p>

	<p>Mazur, Ł., Resler, M., Koda, E., Walasek, D., Vaverková, M. D. Energy saving and green building Certification: Case study of commercial buildings in Warsaw, Poland. Sustainable Energy Technologies and Assessments. 2023, 60, 103520.</p> <p>Vaverková, M. D., Polak, J., Kurcjuż, M., Jena, M. K., Murali, A. P., Nair, S. S., ... & Franc-Dąbrowska, J. Enhancing Sustainable Development Through Interdisciplinary Collaboration: Insights From Diverse Fields. Sustainable Development. 2024.</p>
Experience in work with doctoral students (defended doctoral dissertations, initiated doctoral procedures) in chronological order	<p>Ing. Veronika Petraková "Possible application of bioindicators for landfill monitoring": date of completion of the doctoral thesis: 26.11.2015, MENDELU</p> <p>Ing. Máxianová Alžběta "Analysis and optimization of the composting process of biodegradable kitchen and restaurant waste": date of completion of the doctoral thesis: 06.10.2022, MENDELU</p> <p>Ing. Zloch Jan "Environmental hazards associated with waste disposal on the example of a selected municipal landfill": date of completion of the doctoral thesis: 25.10.2023, MENDELU</p> <p>Ing. Petra Martínez Barroso "The impact of forest fires and post-fire reclamation: research into an effective soil recovery tool": doctoral dissertation completion date: 25.10.2023, MENDELU</p>
Achievements in the area of projects/grants (in the last 5 years)	<p>2020-2023: MŠMT – VES 20 INTER-COST, Fire effects on soils</p> <p>2018-2023: COST (European Cooperation in Science and Technology) Fire in the Earth System: Science & Society (FIRElinks)</p> <p>2021-2023: WITEA-ID – KA226 – Partnerships for Digital Education Readiness, Weeks of International Teaching – Inclusive and Digital</p> <p>2021-2023: AESOP4FOOD – Erasmus+ project (2021-1-NL01 KA220-HED-000023116) Action for Education, Spatial Organisation and Planning for Sustainable Food</p> <p>2021-2025: COST (European Cooperation in Science and Technology) Cross-border transfer and development of sustainable resource recovery strategies towards zero waste (FULLRECO4US)</p>
Subject area of the research project for which the candidate student is being recruited	<p>Environmental risks associated with municipal solid waste treatment and disposal.</p> <p>Environmental impact of municipal waste landfills.</p> <p>Sustainable waste management/Sustainability in civil engineering.</p> <p>Circular economy strategies for photovoltaic and environmental Impact.</p>

<u>Contact details:</u>	Warsaw University of Life Sciences (SGGW)
Institute	Institute of Civil Engineering
E-mail address	Department of Sustainable Construction and Geodesy
Telephone number	magdalena_vaverkova@sggw.edu.pl
	22 59 35360