Candidate supervisor's information summary form

Name and surname, degree, title: **Professor Eugeniusz Koda, Ph.D. (Eng.) PE**	
Academic discipline/disciplines	Civil Engineering, Geodesy and Transport (CEGT) Environmental Engineering, Mining and Energy (EEME)
Professional development (degrees and titles) in chronological order	1991 – Ph.D. Civil Engineering, Gdańsk University of Technology, Faculty of Hydroengineering 2012 – Hab. Doctor in Civil Engineering, Gdańsk University of Technology, Faculty of Civil and Environmental Engineering. 2019 – Professor of Technical Sciences
Most important publications/ patents in the last 3 years (maximum 10)	1. **Koda E.**, Osiński P., Podlasek A., Markiewicz A., Winkler J., Vaverkova M.D. 2023. Geoenvironmental approaches in an old municipal waste landfill reclamation process: Expectations vs reality. *Soils and Foundations*. 63(1), e101273. **IF=3.3.** 2. Mazur Ł., Resler M., **Koda E.,** Walasek D., Vaverková M.D. 2023. Energy saving and Green building Certification: Case Study of commercial buildings in Warsaw, Poland. *Sustainable Energy Technologies and Assessment*. 60, 103520; **IF=7.0.** 3. Vaverková M.D., **Koda E.** 2023. Why landfill deposits are a distinguishing feature of the Anthropocene. *Anthropocene Review.* 10(2), 463-473. **IF=3.5.** 4. Markiewicz A., **Koda E.,** Kiraga M., Wrzesiński G., Kozanka K., Naliwajko M., Vaverková M.D. 2024. Polymetric Products in Erosion Control Applications: A Review. *Polymers.* 16 (17), 2490. **IF=4.9.** 5. Sivasuriyan A., Vijayan D.S., Parthiban D., Stefańska A., Dixit S., Podlasek A., Sitek W., **Koda E.** 2024. Emerging Trends in the Integration of Smart Sensor Technologies in Structural Health Monitoring: A Contemporary Perspective. *Sensors*. 24, 8161. **IF=3.5** 6. Jasińska K., **Koda E.** 2025. Evolution of Warsaw Metro Stations (1983–2019): A Phase-Based Typological Analysis. *Applied Sciences.* 15(19), 10363. **IF=2.5.** 7. Francke B., Kula D., **Koda E.** 2025. Analysis of the Durability of Thermal Insulation Properties in Inverted Foundation Slab Systems of Single-Family Buildings in Poland. *Buildings.* 15 (19), 3579. **IF=3.1.** 8. Nguyen Q.T., Van D.B., Osiński P., Nguyen V.M., Do N.A., **Koda E.** 2025. Evaluation of slope failure through the assessment of meteorological conditions and earthworks management. *Soils and Rocks.* 48(4), e2025003425. **IF=1.1.** 9. Pasternak G., Wodzyński Ł., Jóźwiak J., **Koda E.**, Zaczek-Peplińska J., Podlasek A. 2026. UAV-Based Remote Sensing Methods in the Structural Assessment of Remediated Landfills. *Remote Sensing.* 18, 57, **IF=4** 10. Piętocha A., **Koda E.** 2026. Sustainable Design and Energy Efficiency in Supertall and Megatall Buildings: Challenges of Multi-Criteria Certification Implementation. *Energies. 19(1), 57.* **IF=3.2.**
Experience in work with doctoral students (defended doctoral dissertations, initiated doctoral procedures) in chronological order	1. **Dorota Wychowaniak** (okś) - "Samooczyszczanie środowiska wodnego na terenach przyległych do składowiska odpadów z pionową przesłoną przeciwfiltracyjną". Defended: 29.11.2017. 2. **Wojciech Czaczkowski** (bud) - "Zastosowanie metodyki PRINCE2 do zarządzania przedsięwzięciami w małych przedsiębiorstwach budowlanych" 20.12.2017

	3. **Agnieszka Kiersnowska** (bud) **-** "Wpływ czynników chemicznych i termomechanicznych na właściwości georusztu jednokierunkowego PEHD". 31.01.2018. 4. **Anna Sieczka** (okś) - "Migracja związków azotu pochodzenia nawozowego w środowisku gruntowo-wodnym". Defended with destinction: 18.07.2018. 5. **Paweł Wowkonowicz** (iśge) - "Emisja wybranych ftalanów ze składowisk odpadów komunalnych oraz ocena ryzyka środowiskowego". Defended: 24.09.2019. 6. **Anna Miszkowska** (ilt) - "Wpływ kolmatacji mechanicznej na warunki przepływu wody w filtrach geosyntetycznych". 24.06.2020 (with destinction). 7. **Wojciech Górski** (ilgt) - "Modelowanie numeryczne stanu zdefektowanych złączy konstrukcyjnych w budownictwie wielkopłytowym". Defended: 30.10.2024. 8. **Piotr Osiński** (ilgt) - "The influence of soil saturation on slopes stability conditions". 11.12.2024 (with destinction). 9. **Ewa Iwanicka** (ilgt) - "Ocena efektywności oczyszczania gruntów z substancji ropopochodnych z uwzględnieniem warunków geotechnicznych" 15.10.2025 *Open doctoral procedures:* 10. **Grzegorz Pasternak** (ilgt) - "Zastosowanie technologii LiDAR w monitorowaniu odkształceń powierzchni zrekultywowanych składowisk odpadów". Planned defense: May/June 2026.
Achievements in the area of projects/grants (in the last 5 years)	**2019–2023** – COST Action CA18135: Fire in the Earth System: Science & Society. Member of the Management Committee. Project completed on 23.10.2023. **2021–2024** – How to Stay Alive in V4? Phosphorus Friends Club Builds V4's Resilience. Visegrad Grant. Project leader. Completed. **Commissioned studies and service projects in landfills and brownfields reclamation, as well as monitoring, management and assessment of the condition of landfills, buildings and infrastructures.**
Subject area of the research project for which the candidate student is being recruited	1) Soil Reinforcement and Stability Improvement of Earth Structures and Slopes Considering Climate Change. 2) Assessment of the Effectiveness of Reclamation Measures at Landfills and Degraded Areas Based on Monitoring and Modeling of Contaminant Migration. 3) Multi-criteria certification for sustainable design and energy efficiency of buildings. 4) Assessment of application parameters and durability of engineering systems using geosynthetics.
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