

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

Name and surname, degree, title: dr hab inż. Agnieszka Bus, associate professor	
Academic discipline/disciplines	Environmental engineering, mining and energy
Professional development (degrees and titles) in chronological order	2008 r. – MSc in Environmental Protection 2013 r. – PhD in Protection and Environmental Development 2019 r. – Habilitation degree in technical science
Most important publications/ patents in the last 3 years (maximum 10)	<p>BUS A., KARCZMARCZYK A. BARYŁA A.: Nature-based solutions enhanced by reactive materials for the protection of urban water bodies, <i>Desalination and Water Treatment</i>, 2023, vol. 281, 70-77</p> <p>BUS A., Budzanowska K., Karczmarczyk A., Baryła A., Raw and Calcined Eggshells as P-Reactive Materials in a Circular Economy Approach Sustainability, 2025, vol. 17, nr 3, s.1-19:1191.</p> <p>Bus, A., Hasny, M., Hewelke, E., & Szelałowska, A. (2025). The Power of Sun—A Comparative Cost–Benefit Analysis of Residential PV Systems in Poland. <i>Sustainability</i>, 17, 12. https://doi.org/10.3390/su17125446</p> <p>Patent P. 403571, "Filter for removing pollutants, especially from small streams and water reservoirs" (Bus A. 50%, Karczmarczyk A. 50%).</p>
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)	
Subject area of the research project for which the candidate student is being recruited	Phosphorus reclamation of surface waters by reactive materials Application of ecological engineering methods to improve water quality Ecosystem services and economic efficiency of pro-ecological investments
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