

Candidate supervisor's information summary form

Name and surname, degree, title: Anna Baryła, PhD	
Discipline/ disciplines of science	Environmental engineering, mining and energy
Professional development (degrees and titles) in chronological order	July 13 th 2004 –PhD in Environmental Development (Agricultural Sciences), Faculty of Engineering and Environmental Sciences, Warsaw University of Life Sciences. Title of the thesis: „Calculation of ridge terraces spacing using a surface runoff model”. November 13 th 2019-Post-doctoral degree in Environmental Engineering (Technical Sciences), Title of the thesis: "The role of green roofs in adapting cities to climate change".
Most important publications/patens over the last 3 years (maximum 10)	<p>Baryła A., Styczyński W. „Green roofs as effective solution for reducing roof temperatures in urban areas”, <i>zeszyty naukowe sgsp</i>, t. 1, Art. nr 96, 2025, doi: 10.5604/01.3001.0055.5443.</p> <p>Baryła A., Karczmarczyk A., Bus A., Sas W. “Water retention and runoff quality of a wildflower meadow green roof with different drainage layers”, <i>Ecohydrol. Hydrobiol.</i>, t. 24, Art. nr 3, 2024, doi: 10.1016/j.ecohyd.2023.11.008.</p> <p>Szlachetka O., Witkowska-Dobrev J., Baryła A., Dohojda M. „Experimental Evaluation of the Sustainable Performance of Filtering Geotextiles in Green Roof Systems: Tensile Properties and Surface Morphology After Long-Term Use”, <i>Sustainability</i>, t. 17, Art. nr 14, 2025, doi: 10.3390/su17146242.</p>
Experience in work with doctoral students (defended doctoral dissertations, doctoral programmes opened) in chronological order	-
Project/grants achievements (from the last 10 years)	<p>National research project (co-leader): Testing the leachate from extensive green roofs in terms of the amount of water and phosphate content. Lead time: 25.07.2016-30.06.2018. Cooperation agreement 1/KKŚ/2016 between SGGW and Paweł Kożuchowski Laboratorium Dachów Zielonych.</p> <p>-National research project (co-leader): The role of green roofs in the adaptation of cities to climate change on the example of the Marecki Educational and Recreation Center. Lead time: from 17.06.2020.</p> <p>Cooperation agreement 15/830400/2020 between SGGW and Mareckie Inwestycje Miejskie Sp. z o.o.</p>

Topic – research problem – for which the candidate supervisor seeks a doctoral student	General research topics: The role of green roofs in the aspect of climate change. Determining the effectiveness of selected design solutions for green roofs in limiting the outflow of rainwater from urbanized areas.
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