

<b>Name and surname:</b>	<b>Bartosz Jawecki</b>
Academic Degree:	dr hab. inż. (DSc.)
Institute/Department:	Department of Landscape Architecture
e-mail address:	bartosz.jawecki@upwr.edu.pl
ORCID:	<a href="https://orcid.org/0000-0002-4277-0412">https://orcid.org/0000-0002-4277-0412</a>
UPWr Base of Knowledge - link:	<a href="https://bazawiedzy.upwr.edu.pl/info.seam?id=UPWr4edd48bfb3a24212acaa1c83c721f7e3&amp;affil=&amp;lang=pl">https://bazawiedzy.upwr.edu.pl/info.seam?id=UPWr4edd48bfb3a24212acaa1c83c721f7e3&amp;affil=&amp;lang=pl</a>
Researchgate:	
Personal website / Working group website:	
Participation in projects in last 5 years (chronological; with distinction into PI (kierownik) and RF (wykonawca)):	JAWECKI B. 2019: Manager/coordinator of the LGD Gromnik grant no. 7/G/2018/06, entitled: Promotion of the Gromnik LGD area through the development and publication of a reviewed publication (monograph) devoted to the cultural and natural values related to the extraction and use of rocks from the Strzelin region and a series of promotional lectures/lectures entitled "The role of quarries and the use of local rocks in shaping the landscape of the Strzelin region." The contract was financed under sub-measure 19.2 "Support for the implementation of operations under the community-led local development strategy" covered by the Rural Development Program for 2014-2020 for operations implemented under the grant project of the Gromnik Local Action Group Association.
Do you plan to engage support of second supervisor or auxiliary supervisor?	YES
	Auxiliary supervisor
Name and surname:	Marcin Sobota
Academic Degree:	dr (Dr.)
Faculty, Institute/Department:	Faculty of Spatial Management and Landscape Architecture, Department of Landscape Architecture
e-mail address:	marcin.sobota@upwr.edu.pl
ORCID:	<a href="https://orcid.org/0000-0002-5126-7472">https://orcid.org/0000-0002-5126-7472</a>
UPWr Base of Knowledge - link or most important publications from last 3 year (JCR) / patents from last 3 years (maximum 5):	<a href="https://bazawiedzy.upwr.edu.pl/info/author/UPWr48d1720e1bdd4576b850e6c6174deeab?r=author&amp;tab=&amp;title=Profil%2Bosoby%2B%25E2%2580%2593%2BMarcin%2BSobota%2B%25E2%2580%2593%2BUniwersytet%2BPrzyrodniczy%2Bwe%2BWroc%25C5%2582awiu&amp;lang=pl">https://bazawiedzy.upwr.edu.pl/info/author/UPWr48d1720e1bdd4576b850e6c6174deeab?r=author&amp;tab=&amp;title=Profil%2Bosoby%2B%25E2%2580%2593%2BMarcin%2BSobota%2B%25E2%2580%2593%2BUniwersytet%2BPrzyrodniczy%2Bwe%2BWroc%25C5%2582awiu&amp;lang=pl</a>
Researchgate:	<a href="https://www.researchgate.net/profile/Marcin_Sobota2">https://www.researchgate.net/profile/Marcin_Sobota2</a>
Personal website / Working group website:	
Projects in last 5 years (chronological; with distinction into PI (kierownik) and RF (wykonawca)):	Project leader: Research project for post-doctoral scientists "BRIDGE" financed by the Wrocław University of Environmental and Life Sciences - The "polluter pays" principle and the "cost recovery" principle in European water law - European challenges - Polish experiences. Contractor. "Updating the estimate of the costs of establishing the protection area of the Main Ground Water Reservoir No. 123 - Stargard - Goleniów inter-moraine reservoir"; Client - PGW Wody Polskie RZGW in Szczecin, 2020.
PhD topic:	The impact of flooded quarries on the small water reservoir retention in the catchment area of a selected river.
Research discipline in Doctoral School:	Environmental Engineering, Mining and Energy
Short description of the research problem to be solved in the PhD (minimum 1000 characters):	The research problem presented in this paper concerns determining the impact of flooded workings of hard rock raw materials (quarries) on the amount of reservoir retention in a selected river catchment or its part (the Oława or Ślęza river catchments are preferred). The general thesis that flooded quarries have a significant impact on increasing water resources stored in reservoir retention will be verified. The researcher's task will be to determine, based on research, small reservoir retention resources in the studied catchment area, using official data from the water cadastre and/or documents and programs dealing with the subject of water retention. Then, as part of research and cartographic studies, the location of the water-filled quarries will be determined. As part of field tests, the volume of water stored in flooded rock excavations will be determined. The data analysis will involve balancing the amount of water stored in the examined reservoirs created in the quarries. Water resources determined in this way will be related to the storage capacity of water reservoirs in the studied catchment, with particular emphasis on small reservoir retention. It will also be appropriate to determine the status of flooded quarries in the light of applicable regulations on the development and management of water resources. The researcher's task will also be to answer the question whether water reservoirs created in flooded quarries were taken into account in the balances prepared for the creation of small retention programs or programs for counteracting droughts and floods and adaptation to climate change, and whether they can significantly affect the implementation of selected tasks included in the these programs.
Professional skills for PhD candidate (e.g. master program, specializations, softwares, language, analytical techniques, minimum 500 characters):	Completed second-cycle studies in the following fields: environmental engineering, water engineering and management, other/related fields, e.g. environmental protection with specialization in water management, hydrology, hydrogeology, water protection. Knowledge of any software used to balance water resources. Knowledge of the GIS environment is recommended, e.g. ArcGIS, Qgis, other programs enabling map creation and spatial analysis. Knowledge of statistical analysis programs (e.g. STATISTICA) is recommended. Fluent knowledge of Polish. Knowledge of English on min. B2 level is required. Recommended publication and/or conference achievements.
a) Project title:	none
b) Agreement number:	none
c) Number of months in the project to support PhD student (in months; starting from 1st of October 2024):	0
Project website:	