

**RESEARCH TOPICS IN THE DISCIPLINE OF EARTH AND ENVIRONMENTAL SCIENCE**  
**in the academic year 2022/2023**

Lp.	PhD Supervisor	ORCID	Contact	Research topics
1.	Maria Górska-Zabielska	0000-0003-3152-2955	maria.gorska-zabielska@ujk.edu.pl	Textural features of glacial deposits Fennoscandian erratics of glacial accumulation sediments Geosources of Pleistocene glaciomarginal zones of Poland - their recognition, protection and popularization versus the potential of geotourism development Geodiversity, geological and geomorphological heritage, geoeducation, geotourism, urban geotourism Environmental conditions for the development of geotourism Stone architecture of secular and sacred cultural heritage in the light of Scandinavian construction material
2.	Marek Józwiak	0000-0003-3628-8563	marek.jozwiak@ujk.edu.pl	Water and wind induced soil erosion - causes, effects and prevention Chemical denudation in geoecosystems The functioning of caves in anthropopressure conditions
3.	Tomasz Kalicki	0000-0002-8421-5660	tomasz.kalicki@ujk.edu.pl	Geomorphology, palaeogeography, geoarchaeology Quaternary relief evolution and present-day morphogenetic processes Environmental context of archaeological sites Man-environment interaction in different time span
4.	Małgorzata Ludwikowska-Kędzia	0000-0001-5747-4934	malgorzata.ludwikowska-kedzia@ujk.edu.pl	Evolution of river and denudation valleys in the Quaternary. Slope covers - sedimentology, lithogenetic classification. Morphogenesis of the Świętokrzyskie Mountains. Geotouristic potential, geodiversity, geotourism

5.	Ewa Nowak	0000-0002-1198-6544	ewa.nowak@ujk.edu.pl	<p>Management of the region's value in the environmental and social aspect</p> <p>Multivariate methods in the analysis of changes in the structure of use in selected catchments</p> <p>Natural resource economics how to operate an economy within the ecological constraints of Earth's natural resources</p> <p>Multivariate analysis statistical, qualitative analysis, case studies</p>
6.	Roman Suligowski	0000-0001-8947-324X	roman.suligowski@ujk.edu.pl	<p>Spatiotemporal structure of precipitation</p> <p>Urban hydrology</p>
7.	Anna Świercz	0000-0001-6439-4879	anna.swiercz@ujk.edu.pl	<p>The impact of alkaline emissions on the ecosystem</p> <p>Bioindication possibilities of using plants in research on the condition of habitats</p> <p>Transformation of soil cover and migration of trace metals in areas subjected to anthropopressure</p> <p>Soil reclamation with the use of zeolites</p> <p>Bottom sediments: composition, role, importance, use in reclamation.</p>
8.	Artur Zieliński	0000-0003-1672-7776	artur.zielinski@ujk.edu.pl	<p>Environmental transformations in the Świętokrzyskie region</p> <p>Effects of the extreme rainfall</p>