

**RESEARCH TOPICS IN THE DISCIPLINE OF EARTH AND ENVIRONMENTAL SCIENCE
IN THE ACADEMIC YEAR 2023/2024**

Lp.	PhD Supervisor	ORCID	Contact	Research topics
1.	dr hab. Maria Górska-Zabielska, prof. UJK	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.	dr hab. Tomasz Kalicki, prof. UJK	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
3	dr hab. Rafał Kozłowski, prof. UJK	0000-0003-1436-6364	rafal.kozlowski@ujk.edu.pl	Transformation of precipitation in alkaline/acid immission conditions Impact of rainwater on spatial variability of selected soil properties The role of fog deposits in pollutant deposition Impact of the cement and lime industry on the environment using selected geo- and bioindicators
4.	dr hab. Małgorzata Ludwikowska-Kędzia, prof. UJK	0000-0001-5747-4934	malgorzata.ludwikowska- kedzia@ujk.edu.pl	Quaternary geology and geomorphology, geotourism. River and denudation valleys - conditions of the development and evolution in Quaternary. Lithogenesis of the slope covers. Morphogenesis of the Świętokrzyskie (Holy Cross) Mountains. Geotourism potential, valorization of the geotourism attractiveness.
5.	dr hab. Roman Suligowski, prof. UJK	0000-0001-8947-324X	roman.suligowski@ujk.edu.pl	Spatiotemporal structure of precipitation Urban hydrology

6.	dr hab. Anna Świercz, prof. UJK	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>
7.	dr hab. Artur Zieliński, prof. UJK	0000-0003-1672-7776	artur.zielinski@ujk.edu.pl	<p>Environmental transformations in the Świętokrzyskie region</p> <p>Effects of the extreme rainfall</p>