

**RESEARCH TOPICS IN THE DISCIPLINE OF BIOLOGICAL SCIENCES
IN THE ACADEMIC YEAR 2023/2024**

Lp.	PhD Supervisor	ORCID	Contact	Research topics
1	Prof. dr hab. Renata Piwowarczyk	0000-0003-0507-7835	renata.piwowarczyk@ujk.edu.pl	Orobanchaceae. Phytogeography, taxonomy, host range and evolution of Orobanchaceae.
2	Prof. dr hab. inż. Rafał Podlaski	0000-0002-6957-3902	rafal.podlaski@ujk.edu.pl	Quantitative analysis of forest dynamics: simulations of tree thickness distributions in selected Central European and North American mixed forests.
3	Dr hab. Andrzej Borkowski prof. UJK	0000-0001-6795-6179	andrzej.borkowski@ujk.edu.pl	Exploitation of trap tree resources by <i>Tomicus piniperda</i> (L.).
4	Dr hab. Waldemar Celary prof. UJK	0000-0001-6395-2680	waldemar.celary@ujk.edu.pl	Biodiversity and biology of Apoidea bees - threats and protection.
5	Dr hab. Joanna Czerwik-Marcinkowska prof. UJK	0000-0003-2019-7819	joanna.czerwik-marcinkowska@ujk.edu.pl	Algae and Cyanoprokaryota, biodiversity. Conservation of biodiversity of extreme cave habitats.
6	Dr hab. Artur Kowalik prof. UJK	0000-0002-3718-999X	artur.kowalik@ujk.edu.pl	Oncogenetics, cancer gene discovery, cancer therapy.
7	Dr hab. Anna Łubek prof. UJK	0000-0003-2174-8854	anna.lubek@ujk.edu.pl	Composition and specialization of the lichen functional traits
8	Dr hab. Joanna Ślusarczyk prof. UJK	0000-0001-8022-3244	joanna.slusarczyk@ujk.edu.pl	Characteristics of ash, maple, yew/juniper, and willow pollen seasons in the air of Kielce in correlation with weather conditions.

9	Dr hab. Monika Podgórska	0000-0003-1777-5534	monika.podgorska@ujk.edu.pl	The influence of former iron ore mining on the transformation of flora and forest vegetation of the northern foreland of the Świętokrzyskie Mountains.
10	Prof. dr hab. Wiesław Kaca	0000-0002-8734-7191	wieslaw.kaca@ujk.edu.pl	<ol style="list-style-type: none">1. The role of ompR-envZ genes in the virulence of uropathogenic <i>Proteus mirabilis</i> strains.2. The phoPQ system as a regulating factor the cellular stress response of <i>Proteus mirabilis</i>.