

**Research topics in the discipline of Biological Sciences  
in the academic year 2024/2025**

<b>Lp.</b>	<b>PhD Supervisor</b>	<b>ORCID</b>	<b>Contact</b>	<b>Research topics</b>	<b>Language of the doctoral dissertation</b>
1	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.	
2	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.).	
3	dr hab. Waldemar Celary prof. UJK	0000-0001-6395-2680	waldemar.celary@ujk.edu.pl	Biodiversity and biology of Apoidea bees - threats and protection.	
4	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.	Polish language
5	prof. dr hab. Wiesław Kaca	0000-0002-8734-7191	wieslaw.kaca@ujk.edu.pl	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> .	
6	dr hab. Artur Kowalik prof. UJK	0000-0002-3718-999X	artur.kowalik@ujk.edu.pl	Oncogenetics, cancer gene discovery, cancer therapy.	Polish language

7	dr hab. Anna Łubek prof. UJK	0000-0003-2174-8854	anna.lubek@ujk.edu.pl	Composition and specialization of the lichen functional traits	Polish language
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.	Polish language
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.	Polish language