

Information on a candidate for doctoral students' supervisor in the academic year 2026/2027

Name and surname including academic degree and title
Dorota Czeszczewik Doctoral Degree with Habilitation, a University Professor
Field of science, scientific discipline
Natural sciences, biological sciences
Specialisations
ecology, ornithology, forest biology
Supervisor's academic profile (including link to ORCID, link to Research Gate)
ORCID ID: https://orcid.org/0000-0003-0523-1417
Research Gate: https://www.researchgate.net/profile/Dorota-Czeszczewik
Supervisor's main publications/ monographs issued over the last 5 years (max. 3)
1. Stański T., Stańska M., Czeszczewik D. 2026. Foraging behavior of the Great Spotted Woodpecker (<i>Dendrocopos major</i>) and the Middle Spotted Woodpecker (<i>Dendrocoptes medius</i>) during breeding season in the Białowieża National Park, Poland. <i>Journal of Ornithology</i> 167, nr 2, s.465-475. DOI:10.1007/s10336-025-02327-8 2. Richard K. Broughton R.K., Cholewa M., Czeszczewik D., Fuller R.J., Jaroszewicz B., Maziarz M., Mikusiński G., Neubauer G. 2025. The Białowieża Forest as an example of the resilience of long-term studies in a changing world. <i>Biological Conservation</i> 304 (1-9), 111045. DOI: 10.1016/j.biocon.2025.111045 3. Czeszczewik, D., Stański T. 2024. Foraging sites of the Eurasian Three-toed Woodpecker (<i>Picoides tridactylus</i>) in relation to sex in primeval forest stands of the Białowieża National Park. <i>Journal of Ornithology</i> 165, 3: 671-680. DOI:10.1007/s10336-024-02161-4
Experience in working with doctoral students
• number of defended doctoral dissertations: 3 • number of open doctoral dissertations: 0 • number of dissertation at the doctoral school: 0
Brief description of supervisor's research area (including research methods / techniques) together with a link to the website of the research team, if any
My research focuses on the ecology of birds, with particular emphasis on forest species. The main areas of interest include breeding biology, reproductive strategies, habitat selection, and population dynamics of birds. An important line of research also concerns the impact of environmental changes, including forest management and landscape transformations, on the structure and functioning of bird communities. I am also interested in broadly understood forest biology, including the importance of dead trees, the formation of microhabitats, and their use by animals. The main study area of my research is the Białowieża Forest. Both classical field methods and modern research techniques are applied, including nest monitoring, behavioral observations, bird marking (ringing), spatial analyses, and statistical methods used to assess ecological relationships and population trends.
Proposed research topics for doctoral students
Microhabitats and their use by various organisms Behavior of forest birds during the breeding and non-breeding seasons

Contact details: Faculty, Institute, E-mail address
Faculty of Natural Sciences, Institute of Biological Sciences dorota.czeszczewik@uws.edu.pl

Name and surname including academic degree and title
Cezary Sempruch, Doctoral Degree with Habilitation, a University Professor
Field of science, scientific discipline
Natural sciences, biological sciences
Specialisations
Plant physiology, biochemistry
Supervisor's academic profile (including link to ORCID, link to Research Gate)
ORCID ID: 0000-0002-6389-1766
Supervisor's main publications/ monographs issued over the last 5 years (max. 3)
1. Górski-Drabik E., Golan K., Sempruch C., Chrzanowski G., Dybowski MP, Poniewozik M., 2025. Chemical composition and toxicity of <i>Achillea millefolium</i> L. essential oil against <i>Acrobasis advantella</i> (Lepidoptera, Pyralidae) under laboratory conditions. <i>Molecules</i> , 30, 1927 (IF – 4.2; according to the Ministry of Science and Higher Education List 140 points) 2. Górski-Drabik E., Golan K., Rubinowska K., Sempruch C., 2025. Impact of <i>Tetranychus urticae</i> herbivory on <i>Aronia melanocarpa</i> ecotypes: physiological, morphological, and reproductive responses. <i>Agriculture</i> , 15, 2617 (IF – 3.6, according to the list of the Ministry of Science and Higher Education 100 points)
Experience in working with doctoral students
• number of defended doctoral dissertations: 2 • number of open doctoral dissertations: 0 • number of dissertation at the doctoral school: 0
Brief description of supervisor's research area (including research methods / techniques) together with a link to the website of the research team, if any
Biochemical and molecular mechanisms of interactions between plants and herbivorous arthropods, biochemical mechanisms of gall formation induced by some insect species, the impact of natural plant substances on the biology of herbivorous arthropods.
Proposed research topics for doctoral students
1. The importance of selected nitrogen compounds in the response of plants to the attack of herbivorous arthropods 2. Biochemical mechanisms of stress induced in plant tissues attacked by phytophages
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Faculty of Natural Sciences, Institute of Biological Sciences, cezary.sempruch@uws.edu.pl

Name and surname including academic degree and title
Zbigniew Kasprzykowski Doctoral Degree with Habilitation, a University Professor
Field of science, scientific discipline
Natural sciences, biological sciences
Specialisations
ornithology, behavioral ecology, zoology
Supervisor's academic profile (including link to ORCID, link to Research Gate)
ORCID ID: https://orcid.org/0000-0002-4783-8906 Research Gate: https://www.researchgate.net/profile/Zbigniew-Kasprzykowski https://bazawiedzy.uws.edu.pl/info.seam?id=UPH81a67e5135c349638c44fb7641fcb93e&affil=&lang
Supervisor's main publications/ monographs issued over the last 5 years (max. 3)
1. Szewczuk W., Kasprzykowski Z. 2024. Comparison of nest site selection in Mute Swan <i>Cygnus o</i> and the expanding Whooper Swan <i>Cygnus cygnus</i> , <i>European Zoological Journal</i> 91:1, 252-260 https://doi.org/10.1080/24750263.2024.2312919 2. Cieśluk P., Morelli F., Kasprzykowski Z. 2024. Comparison of hunting site strategies of the Common Buzzard <i>Buteo buteo</i> in open landscapes and along expressways. <i>PeerJ</i> 12:e18045 DOI: 10.7717/peerj.18045 3. Obłóza P., Krupiński D., Korniluk M., Siekiera J., Jiguet F., Kasprzykowski Z. 2025. Early post-release survival and predation in headstarted Eurasian Curlews <i>Numenius arquata</i> . <i>Global Ecology and Conservation</i> 64: e03922 https://doi.org/10.1016/j.gecco.2025.e03922 .
Experience in working with doctoral students
- number of defended doctoral dissertations: 2 - number of open doctoral dissertations: 0 - number of dissertation at the doctoral school: 2
Brief description of supervisor's research area (including research methods / techniques) together with a link to the website of the research team, if any
- Evolutionary aspects of chick growth - Bird foraging strategies - Ecology of colonial birds - Bird communities in agricultural landscapes - Bird migrations in the Palearctic - Bats in anthropogenic environments
Proposed research topics for doctoral students
Factors influencing the growth of Kestrel nestlings <i>Falco tinunculus</i> Own topics on ecology, behavior and reproduction of birds
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Faculty of Natural Sciences, Institute of Biological Sciences mail: zbigniew.kasprzykowski@uws.edu.pl