



# 30<sup>th</sup> Anniversary Scientific Session of the Institute of Environmental Biology Faculty of Biology AMU

20 June 2024, 9:15 – 19:45

## 9:15 Opening

## 9:20-11:20 and 12:00-14:00 Presentations of recent scientific achievements of research groups

<i>Dept./Lab</i>	<i>Title</i>	<i>Presenting author</i>
Water Protection	<b>Coverage of diverse habitats guarantees high zooplankton diversity</b>	Natalia Kuczyńska-Kippen
Zoology	<b>Challenges of IUCN's Red List assessments of mite species</b>	Agnieszka Mokrowiecka
Systematic Zoology	<b>Exploring the link between repeatable individual traits and behaviour in free-ranging rodents</b>	Martyna Wirowska
Systematic & Environmental Botany	<b>Living together with <i>Epichloë</i> – exploring interactions between epichloid fungi and their symbiotic partners</b>	Karolina Górzyńska
Population Ecology	<b>Mechanistic simulation of species range dynamics</b>	Katarzyna Markowska
Plant Ecology & Environmental Protection	<b>Seed dispersal in forests</b>	Przemysław Kurek
Hydrobiology	<b>Cyanobacteria in the face of a changing climate</b>	Łukasz Wejnerowski
Forest Biology	<b>Summer solstice orchestrates the subcontinental-scale synchrony of mast seeding</b>	Michał Bogdziewicz
Evolutionary Biology	<b>Determinants of genetic health: Insights from a large-scale population genomic study of Trinidadian guppies</b>	Mateusz Konczal
Behavioural Ecology	<b>Competition for acoustic space: how interspecific interactions modify singing behavior in birds</b>	Michał Budka
Animal Taxonomy and Ecology	<b>Interactions between radioisotopes and organisms on glaciers</b>	Jakub Buda
Animal Morphology	<b>The involvement of <i>Ixodes ricinus</i> ticks in the circulation of <i>Babesia canis</i> – the agent of canine babesiosis</b>	Jerzy Michalik
Avian Biology & Ecology	<b>Assessing plastic pollution in farmland: impact of agricultural practices on bird nesting materials</b>	Piotr Zduniak

14:00 Group photo

14:05 – 15:30 Lunch

**Poster session (15:30-17:00)**

Gulsamal Askarova: **“How does evolution in stable and fluctuating environment shape the niche breadth of plant-feeding arthropod?”**

Michał Delikta **“Use of multispectral remote sensing data for detecting invasive alien tree *Ailanthus altissima* in urban environment”**

Daniel Fajfer, Bartłomiej Gołdyn **“Pitstop for lunch - Vernal species of Large Branchiopods as vector of nutrient flow between ecosystems”**

Paulina Jakubiak **“Effects of antidepressant water pollution on *Chaoborus favicans* larvae (Meigen 1830)”**

Katarzyna Kondrad **“A reversal in the positive relationship between tree size and production of viable seeds as a “footprint” of the masting breakdown in European beech (*Fagus sylvatica*)”**

Cyprian Kowalczyk **“*Aulacoseira c. (crassipunctata vs. canadensis)* - morphological identification traits comparison of two planktonic diatom species”**

Ronald Łaniecki **“Observations on ontogeny of prodorsal setation in the mite family Cocceupodidae Jesionowska (Acariformes: Prostigmata: Eupodoidea)”**

Tan Pham **“Genome assembly of the Common Evening Brown butterfly (*Melanitis leda*)”**

Neelam Porwal **“Sexually-selected male weapon increases the risk of population extinction under environmental change: an experimental evidence”**

Rafał Sandecki: **“Nest survival of Crested Lark *Galerida cristata* in intensively used habitats in Central Poland”**

Klaudia Szala: **“Eggshell pigmentation in postreproductive sexual selection of red-backed shrike *Lanius collurio*”**

Sebastian Szczepański, Bartosz Łabiszak, Witold Wachowiak **“The influence of interspecific gene flow on genetic divergence of closely related pine species”**

Jędrzej Warguła, Daniel Stec, Pushpalata Kayastha, Łukasz Kaczmarek **„Niesporczaki (Tardigrada) Ugandy”**

Michał Wawrzynowicz **“Factors influencing breeding aggregations in the Northern Lapwing (*Vanellus vanellus*)”**

Dominika Winiarska: **“Detection distance differs according to detection method in passive acoustic monitoring”**

Lia Zampa: **“Stand out from the crowd: Strength of acoustic identity coding in territorial bird species”**