



XIII Scientific Session of the Institute of Environmental Biology Faculty of Biology AMU

26 June 2025, 9:15 – 19:45

9:15 Justyna Wiland-Szymańska “100 years of Botanical Garden in Poznań”

9:30-11:30 and 12:00-14:00 Presentations of recent scientific achievements of research groups

Dept./Lab	Title	Presenting author
Avian Biology & Ecology	Long-Term Dynamics of the Middle Spotted Woodpecker Population in Managed and Protected Forests: 25 Years of Monitoring	Ziemowit Kosiński
Animal Morphology	Screening of microbial communities in cryptic speciation: an example of mites from the genus Linopodes.	Natalia Szudarek-Trepto
Animal Taxonomy and Ecology	Glacial and proglacial habitats as an environment for mites (Acari). Current state of knowledge and future perspectives	Ronald Łaniecki
Behavioural Ecology	Should I stay or should I go: dilemmas in the life of a guppy	Magdalena Herdegen-Radwan
Evolutionary Biology	Genomic insights into genetic rescue	Jonathan Parrett
Forest Biology	A fading forest pulse: mapping Beech reproduction under climate change	Jessie J. Foest
Hydrobiology	New Insights into the Ecology and Innovative Control Methods of Alien Aquatic Plants	Mateusz Draga
Plant Ecology & Environmental Protection	Key drivers of decomposition and carbon accumulation in afforested post-mining sites	Mateusz Rawlik
Population Ecology	Revealing complex biotic interactions through dynamic niche and fitness differences	Lechośław Kuczyński
Systematic & Environmental Botany	<i>Artemisia vulgaris</i>, an allergenic weed: expression profile of its pollen allergens	Agata Frątczak
Systematic Zoology	"Winning, losing, and scatterhoarding".	Rafał Zwolak
Water Protection	"Sustainable restoration with nitrate treatment – a method for water quality improvement"	Katarzyna Kowalczevska-Madura
Zoology	Mesocosm experiments as a way of assessing the role of keystone species in the functioning of ephemeral ecosystems	Daniel Fajfer

11:20 – 12:00 Coffee break

14:00 – 15:30 Lunch

15:30-17:00 Poster session (poster list below)

17:00 – 20:00 Grill

Posters

Kinga Buda, Michał Budka: “Prevalence and intensity of nocturnal singing by diurnal birds - the impact of natural light and predation pressure”

Daniel Fajfer, Michał Rybak, Piotr Klimaszyk, Łukasz Kaczmarek, Bartłomiej Gołdyn „When the guano falls, it’s better to have a shield – or a shield shrimp”

Paulina Jakubiak, Michał Rybak, Kinga Drzewiecka, Przemysław Niedzielski, Piotr Klimaszyk "Hidden effects of aluminum coagulant on freshwater mussels: How *Anodonta anatina* and *Unio tumidus* react to lake restoration?"

Aleksandra Kudeń, Justyna Wolinska, Joe Money, Sławek Cerbin “The response of a *Daphnia* parasite to elevated temperature in experimental evolution assay”

Katarzyna Malinowska, Michał Wawrzynowicz, Lechosław Kuczyński "How can we identify the causes of population changes?"

Mateusz Oszust "Dynamika sezonowa roztoczy glebowych w kolonii kormorana czarnego (*Phalacrocorax carbo*): wstępne wyniki"

Ngoc Pham, Łukasz Grewling “Allergenic potential of green urban spaces: case study from Poznań, Poland (Central Europe)”

Nhat Tan Pham, Freerk Molleman, Urszula Walczak, Vicencio Oostra “How the common evening brown butterfly conquered the world”

Kacper Sobieraj, Łukasz Grewling, Paweł Bogawski “Assessing allergy risk from ornamental trees in a city: Integrating open access remote sensing data with pollen measurements”

Józefina Wasilewska, Jacek Radwan “Comparison of the the genetic structures of *Borrelia* virulence factor, the outer surface protein C, and the putatively neutral intergenic spacer”