



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

12 May 2023, 9:30 – 19:30

1. Oral presentations by research units (9:30-11:30 and 12:00-14:00)

Dept./Lab	Title	Presenting author
Avian Biology & Ecology	"Colour preferences for artificial nesting material in the Great Tits (<i>Parus major</i>)"	Adrian Surmacki
Animal Morphology	Unexpected evolutionary history of the genus <i>Analgae</i> (Acariformes: Analgidae) from European passerines	Jacek Dabert
Animal Taxonomy and Ecology	"Through the time and space - the puzzling history of <i>Gastrotricha</i> "	Małgorzata Kolicka
Evolutionary Biology	"Long term patterns of MHC-parasite load associations in the bank vole support Red Queen dynamics"	Jacek Radwan
Forest Biology	"Continental-scale synchrony of seed production in trees"	Michał Bogdziewicz
Hydrobiology	"Ecology and toxicity of invasive cyanobacterium <i>Raphidiopsis raciborskii</i> "	Mikołaj Kokociński
Plant Ecology & Environmental Protection	Novel genomic resources for population history and local adaptation studies in pines	Witold Wachowiak
Population Ecology	"Making virtual species less virtual by reverse engineering of spatiotemporal ecological models"	Katarzyna Malinowska
Systematic & Environmental Botany	"The impact of local and global environmental changes on the occurrence of selected tree species in Madagascar"	Maciej Nowak
Systematic Zoology	"Properties and functions of venoms in small insectivorous mammals (order Eulipotyphla)"	Leszek Rychlik
Water Protection	"Impact of habitat and catchment area on green algae in small water bodies"	Anna Kozak
Zoology	"Phally polymorphism in hermaphroditic land snails"	Zofia Książkiewicz
Molecular Techniques	"Microsporidians in mosquitoes: what new we know about them and why they are worth studying?"	Mirosława Dabert
Behavioural Ecology	"Heading to duets, choruses and ecoacoustics"	Tomasz Osiejuk

14:00 – 15:30 lunch

Poster session (15:30-17:00)

Agata Magdańska, Gulsamal Askarova, Gary Hein, Anna Skoracka & Lechosław Kuczyński. „**Relation between different niche dimensions: positive feedback of trade-offs?**”

Jakub Buda, Edyta Łokas, Krzysztof Gorzkiewicz, Roberto Ambrosini, Sylwia Błażej, Piotr Klimaszyk, Krzysztof Zawierucha "Bioaccumulation of radioisotopes in biogeochemical hotspots on glaciers"

Sebastian Chmielewski, Jonathan Parrett, Mateusz Konczal, Wiesław Babik, Jacek Radwan “**Genomic mapping of sexually selected weapon in the bulb mite, *Rhizoglyphus robini***”

Daniel Fajfer "Large Branchiopods as keystone organisms - joint mesocosm experiment."

Katarzyna Kaszewska-Gilas “Host and topical specificity of quill mites of the family Syringophilidae (Acariformes: Prostigmata) parasitizing pigeons (Aves: Columbiformes).

Pushpalata Kayastha, Magdalena Gawlak, Monika Mioduchowska and Łukasz Kaczmarek "Integrative description of new *Paramacrobotus gadabouti* sp. nov. - next widely distributed *Paramacrobotus*"

Cyprian Kowalczyk, Mikołaj Kokociński, Karina Apolinarska, Les Cwynar, Krzysztof Pleskot „**Związek między składem gatunkowym subfosylnych okrzemek i zmiennym środowiskiem dla 50 jezior Półwyspu Burin (Kanada)**”

Justyna Liberska, Jerzy Michalik, Mirosława Dabert “**Co-occurrence of *Borrelia burgdorferi* sensu lato and *Babesia* sp. infections in *Ixodes ricinus* ticks collected from vegetation and pet animals (dogs and cats) in urban area of the city of Poznań**”.

Ronald Łaniecki "Unrevealed diversity of eupodid mites (Acariformes: Prostigmata: Eupodidae) on Svalbard: the case of *Protereunetes boerner* Thor, 1934"

Katarzyna Markowska "rangr: An R package for simulating range dynamics of virtual species"

Małgorzata Niškiewicz, Paweł Szymański, Lia Zampa, Michał Budka, Tomasz S. Osiejuk “**Yes, doves can! Neighbour-stranger discrimination in an African wood dove inhabiting equatorial rainforest**”

Joanna Różańska-Wróbel, Anna Urbanowicz, Maciej Grzybek, Anna Bajer, Jerzy Behnke & Jacek Radwan “**Interplay between infectivity and immunity genes: bank vole MHC supertypes and infection with *Borrelia afzelii* strains carrying polymorphic ospC**”

Wojciech Wysoczański, Krzysztof Stawrakakis, Ewa Węgrzyn "The plant fungal microbiome: hypotheses testing"