

# The joint conference of the PhD students of study programs Ecosystem Biology & Ecology and Hydrobiology/Limnology

**Date and place:** February 6–7, 2024, 8:00 am, lecture room B2, FSc USB České Budějovice

## **Objectives of the meeting:**

- to present the progress of dissertation work since the last PhD conference
- to define research priorities for the next year of the PhD study
- to actively discuss the topic of the dissertation in a broader professional context, to consider other possible methodological approaches in the work

The presence of supervisors is necessary (kindly inform them in advance) at the presentations of their students, the participation of the wider professional audience is welcome.

**Evaluation:** Each PhD student, specialist board members, supervisors, and other peers in audience will evaluate performance of each student using a form available on the following link:

<https://forms.gle/byAd1cWxK37NKasUA>

Select the name of a presenter from the roll-down list, evaluate his/her presentation and send.

## Time schedule and program

Tuesday, February 6, 2024, students of Ecosystem Biology and Ecology

8:00-8:15	<b>Opening</b>
8:15-8:30	<b>Mahjoory</b> Yalda: Microbial ecology in mountain soils along elevation gradient under changing environmental conditions (supervised by E. Kaštovská)
8:30-8:45	<b>Akbarinoghabi</b> Nazanin: Biogeochemistry of the soils in mountain lake catchments under changing environmental conditions (supervised by M. Choma)
8:45-9:05	<b>Falcao</b> Berness P.: Iron acquisition by members of microbial communities via cyanobacterial beta-hydroxy aspartate siderophores (supervised by P. Hrouzek)
9:05-9:25	<b>Damjanović</b> Sara: Effect of tree dieback and regeneration on pools and fluxes of elements in soils and on their losses from ecosystem (supervised by J. Kaňa)
9:25-9:45	<b>Nageen</b> Yumna: Local adaptation in the tripartite interaction between orchids, mycorrhizal fungi, and soil (supervised by J. Jersáková)
9:45-10:05	<b>Nikagolla</b> N.G. Dinusha: On the relationship between forest status and soil nitrogen availability and transformation in coniferous forest soils (supervised by K. Tahovská)
10:05-10:30	<b>Coffee break (25 min.)</b>
10:30-10:50	<b>Sanniya</b> Sekar: Effect of grassland management on clonal traits and rhizome biomass (supervised by J. Klimešová)
10:50-11:10	<b>Nweze</b> Justus Amuche: Comparative genomic analysis of a new <i>Methylomirabilis</i> sp. from Sumava peat soil (supervised by A. Daebeler)
11:10-11:30	<b>Kotrbová</b> Lucie: Exploring microbial dynamic in soil ecosystems amended with wastewater treatment plant products (supervised by A. Chroňáková)
11:30-11:50	<b>Marcou</b> Thomas G.R.A.: Evolutionary emergence of plant and pollinator polymorphisms in consumer--resource mutualisms (supervised by T. Revilla)
11:50-12:10	<b>Ruka</b> Adam: Diversity trends and ecology of microbial communities in the rhizosphere and bulk soil of mountain ecosystems (supervised by K. Řeháková)
12:10-13:10	<b>Lunch break (60 min.)</b>
13:10-13:30	<b>Schweichhart</b> Johannes S.: In silico assessment of primer bias within the fungal kingdom (supervised by R. Angel)
13:30-13:50	<b>Jirků</b> Daria: Potential of SPOT satellite imagery for grassland vegetation classification and management assessment (supervised by M. Hais)
13:50-14:10	<b>Waqas</b> Muhammad: Soil organic matter decomposition/stabilization with relation to microbial community functioning in Arctic degraded permafrost soils (supervised by J. Bárta)
14:10-14:30	<b>Jabinski</b> Stanislav: Enzymatic combustion and pyrolysis products to reveal cycling of recalcitrant organic matter in soils and sediments (supervised by T. Meador)
14:30-14:50	<b>Glocker</b> Bernhard: Short-term management impacts on ecosystem functionality and services (supervised by K. Edwards)
14:50-15:10	<b>Coffee break (20 min.)</b>
15:10-15:30	<b>Luláková</b> Petra: Microbial ecology of Alpine and High Arctic soils in changing climate (supervised by H. Šantrůčková)
15:30-15:50	<b>Maraia</b> Heveakore: Ecological interactions of herbivory and predation in various terrestrial ecosystems (supervised by K. Sam)
16:00	<b>Closed meeting of the specialist board of Ecosystem Biology and Ecology</b> Link: <a href="https://">https://</a>
Since 18:00	<b>Free social program in KMP</b>

## Time schedule and program

Wednesday, February 7, 2024, students of Hydrobiology/Limnology = Check your title!

8:00-8:15	<b>Poláková</b> Ljubov: The effect of vegetation status in Bohemian Forest catchments on nitrate dynamics in aquatic ecosystems (supervised by T. Meador)
8:15-8:30	Carillo Apolo Geyby Tatiana: Exploring phage-host interactions in freshwater ecosystems (supervised by M. Haber)
8:30-8:50	<b>Thomas</b> Kiran: Citizens as stepping stones: Changing the plight of a critically endangered native freshwater fish, the crucian carp ( <i>Carassius carassius</i> ) (supervised by M. Šmejkal)
8:50-9:10	<b>Tapkir</b> Sandip Dnyaneshwar: Mechanisms of invasive Prussian carp ( <i>Carassius gibelio</i> ) dominance over native crucian carp ( <i>C. carassius</i> ) (supervised by M. Šmejkal)
9:10-9:30	<b>Boukheloua</b> Roudaina: Genomics and Metagenomics of Freshwater protists: Exploring freshwater protists using culture-independent methods (supervised by R. Ghai)
9:30-9:50	<b>Fernandes</b> Clafy: Cultivation and genomics of freshwater microbes (supervised by M. Salcher)
<b>9:50-10:10</b>	<b>Coffee break (20 min.)</b>
10:10-10:30	<b>Singh</b> Anusha Priya: Mechanisms of microbial community assembly in different karst environment (supervised by T. Shabarova)
10:30-10:50	<b>Kopáček</b> Marek: Stable isotopes of oxygen and hydrogen – water age in natural ecosystems (supervised by P. Porcal)
10:50-11:10	<b>Layoun</b> Paul: Ecogenomics of genome streamlining freshwater microbes (supervised by M. Salcher)
11:10-11:30	<b>Ribeiro de Moraes</b> Karlos: Enhancement of fish communities, improvement of sampling, and stock assessment in lakes and reservoirs (supervised by J. Kubečka)
<b>11:45-12:00</b>	<b>Closing session</b>
<b>12:15</b>	<b>Closed meeting of the specialist board of Hydrobiology/Limnology</b> Link: <a href="https://">https://</a>