

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

Date and place: **January 28-29, 2025, 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.

All students should attend both conference days and present their talks in person. The link below is primarily for students on internships, remote peers and supervisors, and external members of the Specialist Board, who cannot attend and like to follow the meeting.

How to connect:

Conference will be accessible by the following link, which will be active since 7:45 am. Same link will be used for both conference days.

<https://cesnet.zoom.us/j/96092415422>

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, January 28, 2025, students of Ecosystem Biology and Ecology

8:00-8:15	Opening
8:15-8:30	Bužleta Filip: Monitoring of Plant-Pollinator interactions (supervised by J. Jersáková)
8:30-8:50	Mahjoory Yalda: Microbial ecology in mountain soils along elevation gradient under changing environmental conditions (supervised by M. Choma)
8:50-9:10	Nikagolla N.G. Dinusha: On the relationship between forest status and soil nitrogen availability and transformation in coniferous forest soils (supervised by K. Tahovská)
9:10-9:30	Damjanović 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)
9:30-9:50	Sanniya Sekar: The silent transformation: Rhizome senescence as nature's hidden art (supervised by J. Klimešová)
9:50-10:20	Coffee break (30 min.)
10:20-10:40	Nageen Yumna: Consequences of local adaptation among orchids, soil, and mycorrhizal fungi for species conservation (supervised by J. Jersáková)
10:40-11:00	Kotrbová Lucie: Identification of bacterial taxa involved in the degradation of macrolide antibiotics in soil (supervised by A. Chroňáková)
11:00-11:20	Falcao Berness P.: Cyanochelin B: A siderophore produced by cyanobacterium <i>Leptolyngbya</i> sp. NIES-3755 with photolytic properties that negate iron monopolization in the UV-light. (supervised by P. Hrouzek)
11:20-11:40	Weitao Tian: Enrichment and genomic analyses of methanogens from desert biocrusts (supervised by R. Angel)
11:40-12:00	Nweze Justus Amuche: Isolation and characterization of novel methanotrophs from peatland soil (supervised by A. Daebeler)
12:00-13:00	Lunch break (60 min.)
13:00-13:20	Marcou Thoma.: Plant-pollinator community assembly with adaptive plant traits (supervised by R. Revila)
13:20-13:40	Ruka Adam: Diversity trends and ecology of microbial communities in the rhizosphere and bulk soil of mountain ecosystems (supervised by K. Řeháková)
13:40-14:00	Schweichhart Johannes S.: Primer bias in Eukaryotes with a focus on Fungi (supervised by J. Bárta)
14:00-14:20	Waqas Muhammad: Soil organic matter decomposition/stabilization with relation to microbial community functioning in Arctic degraded permafrost soils. (supervised by J. Bárta)
14:20-14:40	Glocker Bernhard: Maintaining coexistence of <i>Carex acuta</i> and <i>Glyceria maxima</i> under changing environmental conditions in wet grasslands (supervised by K. Edwards)
14:50	Closed meeting of the specialist board of Ecosystem Biology and Ecology Link: https://cesnet.zoom.us/j/94711579329
Since 18:00	Free social program in KMP

Time schedule and program

Wednesday, January 29, 2025, students of Hydrobiology/Limnology

8:00-8:15	Saez Natacha: The effects of climate warming and pollutants on Daphnia: from individual to community responses (supervised by C. Duchet)
8:15-8:30	Królikiewicz Igor: Ecogenomics, host detection and cultivation of freshwater 'Candidatus Patescibacteria' (supervised by M-C. Chiriac)
8:30-8:50	Carrillo Geyby: Exploring phage-host interactions in freshwater ecosystems (supervised by M. Haber)
8:50-9:10	Asghar Usman: Unveiling the trophic role of omnivorous/predatory flagellates and small ciliates in freshwater microbial food webs (supervised by I. Mukherjee)
9:10-9:30	Thomas Kiran: Anthropogenic-induced drivers of fish assemblages in small water bodies and conservation implications (supervised by M. Šmejkal)
9:30-10:00	Coffee break (30 min.)
10:00-10:15	Şahin Yaprak: Role of Epibionts in the production of cyanopeptides (supervised by K. Saurav)
10:15-10:35	Singh Anusha P.: Microbial communities in different karst environments (supervised by T. Shabarova)
10:35-10:55	Fernandes Clafy: Cultivation and genomics of freshwater microbes (supervised by M. Salcher)
10:55-11:15	Kopáček Marek: Stable isotopes of hydrogen and oxygen in natural ecosystems (supervised by P. Porcal)
11:15-11:35	Boukheloua Roudaina: Genomics and metagenomics of freshwater Protists: Exploring freshwater Protists using dependent and culture-independent methods. (supervised by R. Ghai)
11:45-12:00	Closing session
12:10	Closed meeting of the specialist board of Hydrobiology/Limnology Link: https://will be sent to the committee members