

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

**Date and place:** February 9-10, 2021, from 9:00 am, virtual conference via application Zoom.

**Tuesday, February 9, 2021, 9.00 am, students of Ecosystem Biology and Ecology**

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| 9:00-9:20   | Waqas Muhammad: <i>Soil organic matter decomposition/stabilization with relation to microbial community functioning in Arctic degraded permafrost soils</i> (supervised by J. Bárta)  |
| 9:20-9:40   | Glocker Bernhard: <i>The provision and analysis of multiple ecosystem functions and services (MEFS) and short term impacts on MEFS under different management regimes in wet grassland restoration</i> (supervised by K. Edwards) |
| 9:40-10:00  | Jirků (Ashmarina) Daria: <i>Temporal and spatial analyzes of former military training areas in Czech Republic for evaluation of changes in vegetation cover due to various types of management</i> (supervised by M. Hais)        |
| 10:00-10:20 | Maraia Heveakore: <i>The reciprocal effects of leaf traits and herbivorous insect communities along latitudinal and forest canopy vertical gradients</i> (supervised by K. Sam)   |
| 10:20-10:40 | Nweze Julius Eyiuche: <i>With a little help from my friends: understanding the roles and importance of the millipede gut microbiome</i> (supervised by R. Angel)  |
| 10:40-11:00 | <b>Coffee break</b>   |
| 11:00-11:20 | Jabinski Stanislav: <i>Enzymatic combustion and pyrolysis products to reveal cycling of recalcitrant organic matter in soils and sediments</i> (supervised by T. Meador)  |
| 11:20-11:40 | Kadlecová Veronika: <i>Role of wetland ecosystems among landscape quality with respect on their ecosysteme services</i> (supervised by K. Edwards)  |
| 11:40-12:00 | Mennicken Sophie: <i>New insights into niche partitioning of coexisting terrestrial orchids: functional traits shaping orchid-fungus interactions</i> (supervised by J. Jersáková)  |
| 12:00-12:20 | Samuel Dijoux: <i>Trait-based models of the dynamics of invertebrate communities in freshwaters</i> (supervised by D. Boukal)   |
| 12:20-13:00 | <b>Lunch break</b>  |
| 13:00-13:20 | Galica Tomáš: <i>Distribution of potentially toxic lipopeptides in cyanobacteria of different habitats and development of method to detect them</i> (supervised by P. Hrouzek)  |
| 13:20-13:40 | Bretón Felipe: <i>The role of hydrodynamics on nutrient fluxes between water and sediments in reservoirs</i> (supervised by J. Borovec)   |
| 13:40-14:00 | Osafo Nana Osei-Asibey: <i>Fate of organic matter in freshwater sediments: A clue to P immobilization?</i> (supervised by J. Borovec)   |
| 14:00-14:20 | Varsadiya Milankumar: <i>Effect of root exudates on organic matter decomposition and microbial community functioning in Arctic permafrost soils</i> (supervised by J. Bárta)  |
| 14:20-14:40 | Cárdenas Julian: <i>Effect of nutrient limitation on plant-microbe-soil interaction</i> (supervised by E. Kaštovská)  |
| 14:40-15:00 | <b>Coffee break</b>   |
| since 15:00 | <b>Closed meeting of the specialist board of Ecosystem Biology and Ecology</b>  |

## Time schedule and program

**Wednesday, February 10, 2021, 9:00 am, students of Hydrobiology/Limnology**

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| 9:00-9:20   | Kopáček Marek: <i>Stable isotopes of oxygen and hydrogen – water age in natural ecosystems</i> (supervised by P. Porcal)   |
| 9:20-9:40   | Valero Astolfo: <i>The role of electroactive organisms in biomineralization reactions involving transition metals, nitrogen and humic substances under suboxic/anoxic conditions</i> (supervised by D. Petráš) |
| 9:40-10:00  | Singh Anusha: <i>Mechanisms of microbial community assembly in different karst environment</i> (supervised by T. Shabarova)  |
| 10:00-10:20 | Fernandes Clafy: <i>Cultivation and genomics of freshwater microbes</i> (supervised by M. Salcher)   |
| 10:20-10:40 | Boukheloua Roudaina: <i>The genomics and the metagenomics of freshwater protists</i> (supervised by R. Ghai)   |
| 10:40-11:00 | <b>Coffee break</b>  |
| 11:00-11:20 | Tapkir Sandip: <i>Mechanisms of invasive Prussian carp (<i>Carassius gibelio</i>) dominance over native crucian carp (<i>C. carassius</i>)</i> (supervised by M. Šmejkal)                                      |
| 11:20-11:40 | Tsering Lobsang: <i>Presence and strength of apex predator personality under different environmental conditions</i> (supervised by I. Jarić)   |
| 11:40-12:00 | Bartoň Daniel: <i>Anthropogenic impact on early-life stages of rheophilic fish</i> (supervised by M. Šmejkal)  |
| 12:00-12:20 | Ribeiro de Moraes Karlos: <i>Enhancement of fish sampling and stock assessment in lakes and reservoirs</i> (supervised by J. Kubečka)  |
| 12:20-13:00 | <b>Lunch break</b>   |
| 13:00-13:20 | Villena Alemany Cristian: <i>Ecology of aerobic anoxygenic phototrophic bacteria in freshwaters</i> (supervised by K. Piwozs)  |
| 13:20-13:40 | Layoun Paul: <i>Ecogenomics of genome-streamlined freshwater microbes</i> (supervised by M. Salcher)   |
| 13:40-14:00 | Mujakić Izabela: <i>Ecology of Gemmatimonadetes</i> (supervised by M. Koblížek)  |
| 14:00-14:20 | Silva Kavagutti Vinicius: <i>Microbial and viral genomic diversity in freshwater environments</i> (supervised by R. Ghai)  |
| 14:20-14:40 | Vebrová Lucie: <i>Assemblages of chironomids in standing waters along environmental gradients</i> (supervised by D. Boukal)  |
| 14:40-15:00 | <b>Coffee break</b>  |
| since 15:00 | <b>Closed meeting of the specialist board of Hydrobiology/Limnology</b>  |