

## 3<sup>rd</sup> USB conference of doctoral students

November 21 - 22, 2023

Room C1 in building C (Faculty of Science)

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*DAY 1 (21 November)*

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10:00–10:20	<i>Registration (possible also before any session)</i>
10:20–10:30	<i>Welcome address and organization</i>
10:30–11:15	<b>Guest lecture: Open Science and Open Data at the University of South Bohemia</b> <b>Jiří Sláma, USB Rectorate</b>
11:15–11:30	<i>Coffee break</i>
<b>11:30–12:45</b>	<b>Session 1</b>
Sangeeth Sailas Santhosh (FSC)	Prey composition and provisioning rates in a declining farmland predator, the Little Owl <i>Athene noctua</i> in contrasting European farmlands
David Sandala (FAT)	Effect of production temperature and its influence on the development and virulence of <i>Metarhizium brunneum</i> F52 (in-vitro)
Aleksandra Krasilnikova (FFPW)	Hypotonic extender for cryopreservation of freshwater species sperm: is it possible?

Anil Axel Tellbüscher (FFPW)	Why aquaculture needs your help
Martina Poncarová (FSC)	Evaluation of the effects of two widely prescribed pharmaceuticals - metformin and atorvastatin on <i>Daphnia magna</i> and embryos of <i>Danio rerio</i>
<b>12:45–13:45</b>	<i>Lunch break (lunch is not part of the conference)</i>
<b>13:45–15:00</b>	<b>Session 2</b>
Linan Gao (FFPW)	Replacement of mitochondria in sturgeon germline
Kiran Thomas (FSC)	Citizens as steppingstones: Changing the plight of a critically endangered native freshwater fish, the crucian carp
Ning Zhang (FFPW)	Effect of sewage treatment plant's effluent on early life stages development and sex determination of brown trout ( <i>Salmo trutta m. fario</i> )
Yves Theoneste Murindangabo (FAT)	Assessment of the effect of management practices on soil organic matter
Malavika Madhavan (FSC)	Hoo's there? Breeding density affects vocal individuality in little owls ( <i>Athene noctua</i> )
<b>15:00–15:15</b>	<i>Coffee break</i>
<b>15:15–16:15</b>	<b>Session 3</b>
Ana Maria Osório de Barros de Almeida Filipe (FSC)	Dynamic expression profiling of <i>Babesia divergens</i> Calcium-Dependent Protein Kinases over their intra-erythrocytic and intra-tick stages
Nguyen Thi Giang (FAT)	Intensification of legumes production in organic farming by biological treatment
Paul Layoun (FSC)	Conserved chaos: Flexible genomic island conservation across freshwater and marine Methylophilaceae
Elnaz Amirahmadi (FAT)	Comparison of organic and conventional cropping systems: A review of life cycle assessment as a solution for sustainability

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## DAY 2 (22 November)

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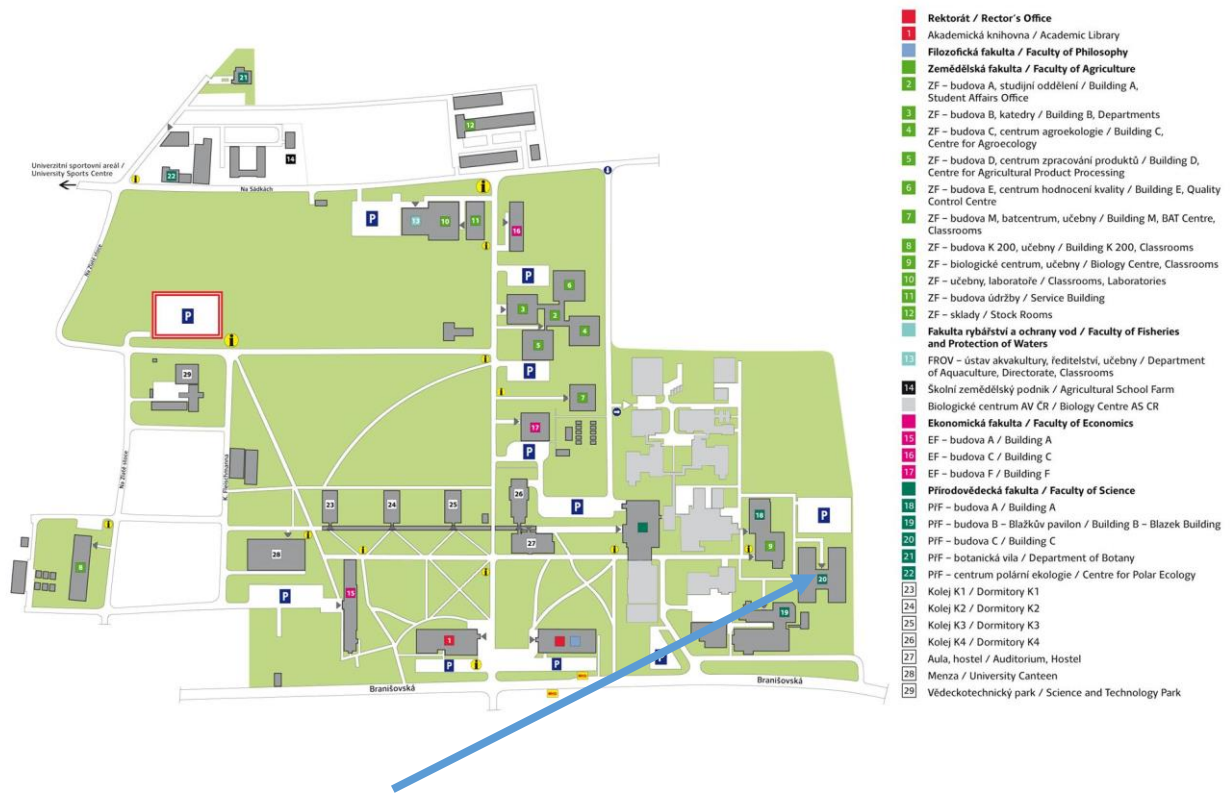
<b>10:00–11:15</b>	<b>Session 4</b>
Miriama Peklanská (FSC)	Mosquito as a potential vector of Lyme disease

Jaroslav Neumann (FAT)	Effect of fertilizers on the yield and cannabinoid concentration of <i>Cannabis Sativa</i> L. grown indoor
Patricia Ayipey (FART)	Preliminary Investigation of The Likpe Kukurantumi Archaeological Project
Anna Maroušková (FECO)	Insect products for food and feed on the EU market
Alena Fišerová (FSC)	Trouble with strangers: interspecific aggression of the Great Spotted woodpecker ( <i>Dendrocopos major</i> ) in Finland
<b>11:15–11:30</b>	<i>Coffee break</i>
<b>11:30–12:45</b>	<b>Session 5</b>
Tereza Brčáková (FEDU)	Impact of the new e-book on knowledge of the role of aquatic plants in the ecosystem
Michaela Uhrová (FSC)	Specifics of genetic and species diversity of the underground living rodent family Bathyergidae
Ghorbani Mohammad (FAT)	Characterization of oxidized biochar as a cost-effective absorbent and soil modifier
Essaikiammal Sodalai Muthu Konar (FFPW)	The fate of unfertilized oocytes in fish
Joachin Onyekachi Omeke (FAT)	Comparative evaluation of the agronomic traits and biochemical contents of three cultivars of soybean ( <i>Glycine max</i> (L.) Merrill) grown in Lhenice and České Budějovice
<b>12:45–13:30</b>	<i>Lunch break (lunch is not part of the conference)</i>
<b>13:30–14:45</b>	<b>Session 6</b>
Alžběta Strouhová (FFPW)	Effects of neonicotinoid insecticide and its active substance on early life stages of Grass Carp ( <i>Ctenopharyngodon idella</i> )
Markéta Applová (FSC)	Floral economic spectrum traits are correlated with leaf traits: plants with "juicy" leaves usually have "juicy" flowers
Jonathan Espinoza Wong (FSC)	Biogenesis of mitochondrial inner membrane complexes in the parasite <i>Trypanosoma brucei</i>
Martin Černý (FAT)	Experimental catchments with various uses - 25 years of monitoring water and material flows in the Šumava mountains region
Hania Anxhela (FSC)	A CARD-FISH application to investigate the diverse microbial community associated with field collected <i>Trichodesmium</i> colonies

<b>14:45–15:00</b>	<i>Coffee break</i>
<b>15:00–16:45</b>	<b>Session 7</b>
Dorsaf Ennaceur (FSC)	Candidate guanine transporters in <i>Chromera velia</i>
Mangala Nissanka (FAT)	Exploring the potential utilization of biologically active substances in beetroot
Insan Habib (FSC)	Virome diversity in triatomines
Veronika Zikmundová (FAT)	Cryptosporidium and cryptosporidiosis of lizards
Jonnalagadda Gowtham Nirmal (FSC)	Quantum transport in protein metal junctions
<b>17:00–20:00</b>	<b>Social evening at Kampa students' club</b> <b>17:30–18:20</b> <i>Announcing the authors of the best presentations.</i>
Shahzaib Ali (FAT)	Phytotoxicity of radionuclides: A review of sources, impacts and remediation strategies


**Jihočeská univerzita v Českých Budějovicích**  
 University of South Bohemia in České Budějovice

## Mapa kampusu / Map of the Campus



Here's the campus map. The building C is where the arrow points.