



CHARLES UNIVERSITY
Faculty of Science

DEPARTMENT OF ECOLOGY

<http://www.natur.cuni.cz/biologie/ekologie>

SEMINAR PROGRAMME for summer term 2020/2021

Seminars take place every Tuesday from 15.00 to 16.30 unless specified otherwise. During this semester they will be online on Zoom under this stable link: <https://cuni-cz.zoom.us/my/ecology.seminars>
If not specified, the primary language of all seminars is English.

For any further information please contact Martina Johnson Pokorná (martina.pokorna@natur.cuni.cz)

- 23 February** **Jennifer Y. Lamb** (*College of Science and Engineering, St. Cloud State University, Minnesota, USA*) Shifting perspective: biofluorescence in amphibians (with Dept. of Zoology)
- 2 March** **Presentations of 3rd year BSc students I.** – in Czech
- 9 March** **Presentations of 1st year MSc students**
- 16 March** **Presentations of 3rd year BSc students II.** – in Czech
- 23 March** **Michal Horskák** (*Faculty of Science, Masaryk University Brno*) Spring fens: what makes them special for ecologists and palaeoecologists (with Depts. of Botany and Zoology)
- 30 March 9am** **Gabriel Machovsky-Capuska** (*Charles Perkins Centre, University of Sydney, Australia*) Plunge diving into Nutritional Ecology (with Depts. of Zoology) **Due to time difference seminar will exceptionally start at 9am.**
- 6 April** **Marcus Hamilton** (*Department of Anthropology, University of Texas at San Antonio, USA*) On the convergent biogeography of biodiversity and human cultural diversity (with Depts. of Anthropology, Botany and Zoology)
- 13 April** **Jiří Hulcr** (*School of Forest Resources and Conservation, University of Florida, USA*) Invasive bark beetles that are going to eat up our forests: good and bad news from China and America (with Dept. of Zoology)
- 20 April** **Isabel Almudi** (*Andalusian Centre for Developmental Biology (CABD), CSIC-UPO, Seville, Spain*) Mayflies take off: a new model to investigate the origin of wings (and their many other wonders) (with Dept. of Zoology)
- 27 April** **UNCE** (with Depts. of Zoology and Botany)
- 4 May** **Presentations of PhD students**
- 11 May** **Adam Petrušek** (*Department of Ecology, Charles University*) Crayfish plague distribution, diversity and impact: from Czechia to the other side of the world and back (with Dept. of Zoology)

Programme of UNCE - presentations of the “junior” team members of UNCE 204069 (April 27)

Lukáš Falteisek (*Dept. of Ecology*) – Structure and dynamics of microbial communities from acidic ferruginous springs

Antonín Macháč (*Center for Theoretical Study*) – Diversity dynamics vary across phylogenetic scales

Martin Čertner (*Dept. of Botany*) – Diploid–polyploid coexistence in plant populations and its evolutionary consequences

Jaroslav Koleček (*Inst. for Environmental Studies*) – Should I stay or should I go? Migration, return rate and dispersal of the Great Reed Warbler

Presentations of PhD students (May 4)

Fernando Polibio Gaona Aybaca – Patterns and dynamics of insect diversity in Afrotropical ecosystems (1st year; supervisor Robert Tropek)

Kobe Nubitgha Ishmeal – Pollination networks in tropical and temperate montane areas (3rd year; supervisor Robert Tropek)

Presentations of 1st year MSc students (March 9)

Marie Bostlová – The influence of pesticide to microbiome of stored product mite *Tyrophagus putrescentiae* (supervisor Jan Hubert)

Nitin Bhushan – Spatio-temporal interactions between large carnivores and herbivores in Kruger National Park (supervisor Petr Pyšek)

Belfu Çetinkaya – Cultural evolution of birdsong: Changes of Tree Pipit vocalization in year-to-decade temporal scales (supervisor Tereza Petrusková)

Lily Carolin Helmbold – Use of individual acoustic monitoring to study endangered species – case study on the Meadow Pipit (supervisor Tereza Petrusková)

Presentations of 3rd year BSc students I. (March 2)

Kateřina Vobořilová – Klimatické determinanty elevačního rozšíření tropických obratlovců (supervisor David Hořák)

Dita Afrodita Šlosarová – Habitatově specifické populační hustoty živočichů: revize konceptu (supervisor David Hořák)

David Homoláč – Význam vodních zdrojů pro využívání prostoru savci v africké savaně (supervisor David Hořák)

Kateřina Janovska – Krmiva včel a jejich vliv na zdravotní stav včelstev (supervisor Jan Hubert)

Petr Chlup – Metodické problémy při analýzách úbytku hmyzu (supervisor David Storch)

Presentations of 3rd year BSc students II. (March 16)

Barbora Veverková – Ecological effects of climate change on snakes (supervisor Ondřej Sedláček)

Anna Semeráková – Ekologické a etologické aspekty střetu ptáků s budovami (supervisor Ondřej Sedláček)

Kateřina Matoušková – Biodiverzita zelených střech (supervisor Ondřej Sedláček)

Filip Schätz – Neextinkce (supervisor David Storch)

Filip Tuháček – Vliv vysychání a zarůstání mokřadů mírného pásu na diverzitu a početnost ptáků (supervisor David Hořák)

Adéla Vrchotová – Biodiverzita extrémně kyselých jezer (supervisor Linda Nedbalová)

Bohumil Fiala – Vážky v městské krajině (supervisor Martin Černý)

Nela Gloríková – Impact of endosymbiotic bacteria on the capacity of host invertebrates to provide ecosystem services (supervisor Milan Řezáč)