



QUANTITATIVE ECOLOGY

Module for Master and PhD students



Přírodovědecká
fakulta
Faculty
of Science

University of South Bohemia, Czech Republic, Winter 2025



The Faculty of Science, University of South Bohemia, organizes a semester for Master and PhD students aiming to learn updated concepts and methodologies for Quantitative Ecology studies. Practical courses (using Canoco, R) will be complemented with a theoretical ecological background

Lecturers

Jan Lepš
Vojtěch Novotný
Petr Šmilauer
Karel Prach
Francesco de Bello
Václav Hypša
David Boukal





QUANTITATIVE ECOLOGY

České Budějovice, Winter 2025

(October 2025 - January 2026)



Module Courses

- Creative Publishing in Community Ecology
- Design and Analysis of Ecological Experiments
- Modern Regression Methods
- Ecology of Biological Invasions
- Molecular Ecology
- Functional Traits in Ecology
- Community Ecology
- Tropical Ecology
- Evolutionary Ecology

... other courses (including field courses) according to student preferences

Jan Lepš, author of two Cambridge books (with P. Šmilauer) *Multivariate analysis of ecological data using Canoco 5* and *Biostatistics with R*, former Associate Editor of the *J. Applied Ecology* and *J. Vegetation Science*.

Vojtěch Novotný, tropical ecologist studying plant-insect food webs in the rainforests of Papua New Guinea (and teaching about them in Europe), Associate Editor of *Ecology Letters*.

Petr Šmilauer, co-author of Canoco™, vers. 4 to 5, Associate Editor of *Folia Geobotanica* and *Preslia*.

Karel Prach, author of Cambridge book (with L. R. Walker) *Plant succession among terrestrial biomes of the world*. Member of Editorial Board of *Restoration Ecology* and *Preslia*.

Francesco de Bello, author of papers on functional trait diversity. Associate editor of *J. Vegetation Science*.

Václav Hypša, works on evolutionary and phylogenetic issues connected to parasitism and symbiosis.

David Boukal, evolutionary ecologist studying predator-prey interactions and life history evolution. Associate Editor of *European J. of Entomology*



<http://botanika.prf.jcu.cz/quantecol>
contact: Jan Lepš, suspa@prf.jcu.cz

Faculty of Science, University of South Bohemia
Branišovská 1760, České Budějovice, Czech Republic

Interested students should apply for an ERASMUS grant to cover their semestral stay in České Budějovice, Czech Republic

