

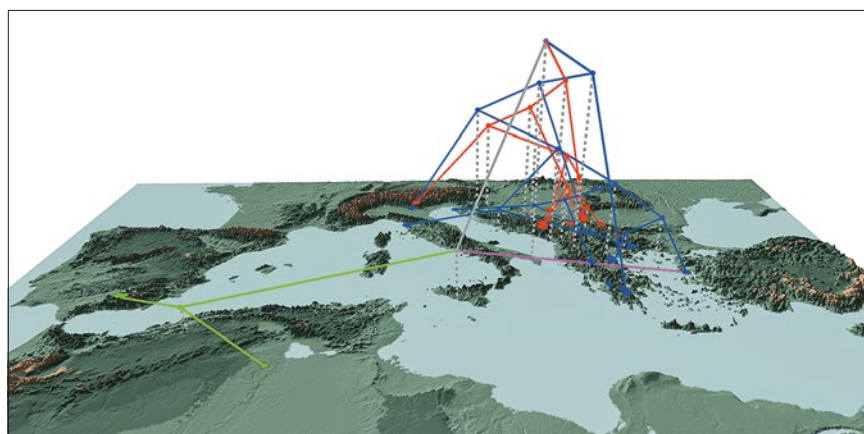
Laboratory for Biodiversity Research and Conservation

Biodiversity, Conservation, Evolution, Biogeography, Taxonomy

The aim of research group for biodiversity research and conservation is to raise the level of knowledge about the natural heritage of the Balkan Peninsula and contribute to its efficient protection. Through the implementation of various projects, we determine the causes, trends and extent of changes in ecosystems and plan actions that might help stopping degradation processes. Multidisciplinary research is focused towards the taxonomic analyses of hoverflies (Diptera: Syrphidae), wild bees and bumblebees (Hymenoptera: Apoidea), small mammals (Rodentia: Spermophilus) and birds (Aves) in the Balkan Peninsula, biodiversity monitoring (especially in protected areas), the studies of endemic, relict and endangered species, and determination of its genetic diversity, changes in populations, as well as the analyses of the general conditions of ecosystems in protected areas. Also, we assess the value of ecosystem services (e.g. pollination), deal with species distribution modelling and analyse the effects of climatic changes to species distributions.

Objectives:

- Conservation of Biodiversity of the Balkan Peninsula
- Using selected groups of invertebrates as indicators of ecosystems perturbations caused by global changes, as part of monitoring biodiversity.
- Analyzing complex interactions between plants and selected groups of invertebrates.
- Impacting practical conservation measures through the provision of expertise, proposals for protection of individual biodiversity centers and hotspot areas and by establishing conservation priorities.
- Estimation of the value of ecosystem services.



COLLABORATIONS

- Finnish Museum of Natural History, University of Helsinki, Helsinki, Finland
- University of Alicante Institute for Biodiversity (CIBIO), Alicante, Spain
- University of the Aegean, Mytilene, Lesvos, Greece

CONTACT PERSON

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<https://cbbc.pmf.uns.ac.rs/en/groups/laboratory-for-biodiversity-research-and-conservation/>

SELECTED PROJECTS

Title: *European Red List of Hoverflies*

Type: International project

Duration: 2019-2021

Contact person: Dr Ante Vujić

Title: *HORIZON 2020: Insect-plant relationships: insights into biodiversity and new applications (Fly High)*

Type: International project

Duration: 2015-2018

Contact person: Dr Ante Vujić

Title: *Conservation strategy for protected and strictly protected hoverflies (Insecta: Diptera: Syrphidae) species in Serbia - Case study*

Type: National project

Duration: 2010-2019

Contact person: Dr Ante Vujić



SELECTED EQUIPMENT

- Nikon Stereo Microscope smz 745 trinocular DIA - EPI LED lighting
- Stereo Microscope Ceti
- DSLR Camera Nikon 7100
- Nikon field Stereoscopic microscope
- Entomological equipment

