

## Faculty of Biology

### Chair of Animal Ecology and Zoogeography

#### Scientific field (Frascati Manual)

Entomology

Marine biology, freshwater biology, limnology

Ecology

Biodiversity conservation

#### Brief description of expertise

-Ecology, faunistics, and conservation biology of mammals and reptiles. -Idioecology, population dynamics, interspecies interactions (competition and predator-prey relationships) of ecologically or commercially important and/or threatened fishes. - Ecotoxicological research, bioaccumulation and biomagnification of heavy metals and microelements in natural fish populations. -Community analyses in freshwater and marine ecosystems. -Biogeography/faunistics, systematics, and ecology of Hymenoptera (predatory and parasitoid wasps, bees) and several other insects groups. -Complex fundamental-applied research in protection and conservation of biodiversity of Serbia and of Montenegro, focused on several animal groups (insects, fishes, amphibians, reptiles, mammals), detection and/or analysis of the status and negative impact of invasive species in Serbia, the Balkans, and Euro-Asia.

#### Keywords

Ecology, Population dynamics, Conservation biology, Ecotoxicology, Faunistics, Biogeography, Insects, Fishes, Mammals, Reptiles and amphibians

#### Realized and current projects

##### A) NATIONAL PROJECTS

| Title  | Project ID | Funding source  | Duration  |
|--|------------|---|-----------|
| AGROBIODIVERSITY AND SOIL<br>USAGE IN SERBIA:<br>INTEGRATED BIODIVERSITY<br>ASSESSMENT OF KEY GROUPS<br>KLJUČNIH GRUPA ARTROPODA<br>I BILJNIH PATOGENA | 43001      | Ministry of Education, Science<br>and Technological<br>Development of the Republic<br>of Serbia | 2011-2014 |

| Title  | Project ID  | Funding source  | Duration  |
|--|-------------|---|-----------|
| ENZOOTIC TRANSMISSION<br>CYCLES OF TICK-BORNE<br>PATOGENOUS<br>MICROORGANISMS  | 0173006     | Ministry of Education, Science<br>and Technological<br>Development of the Republic<br>of Serbia | 2011-2014 |
| Fishes as water quality<br>indicators in open waters of<br>Serbia  | 173045      | Ministry of Education, Science<br>and Technological<br>Development of the Republic<br>of Serbia | 2011-2014 |
| MONITORING OF POPULATION<br>DEVELOPMENT OF EUROPEAN<br>BEAVER (CASTOR FIBER L.,<br>1758) AFTER<br>REINTRODUCTION                                     |             | Ministry of Agriculture and<br>Environmental Protection   | 2010-2016 |
| MODERN CONCEPTS OF GAME<br>ANIMALS MANAGEMENT IN<br>SCOPE OF BETTER<br>COMMERCIAL VALORIZATION   | 31009       | Ministry of Education, Science<br>and Technological<br>Development of the Republic<br>of Serbia | 2011-2014 |
| STATUS ASSESSMENT AND<br>VALORIZATION OF FISHERY<br>RESOURCES IN DANUBE AND<br>SAVA NEAR BELGRADE -<br>BASIS FOR MONITORING<br>PROGRAMME DEVELOPMENT | M - 2866/12 | Belgrade City Council,<br>Secretariate for<br>Environmental Protection                          | 2012-2013 |
| MONITORING OF POPULATION<br>STATUS OF BROWN BEAR<br>( <i>Ursus arctos</i> L. 1758) IN THE<br>REPUBLIC OF SERBIA                                      |             | Ministry of Energetics,<br>Development, and<br>Environmental Protection                         | 2010-2012 |
| EKOLOGICAL-GEOGRAPHICAL<br>ASPECTS OF LYNX <i>Lynx lynx</i><br>(L., 1758) POPULATIONS IN<br>THE REPUBLIC OF SERBIA                                   |             | Ministry of Energetics,<br>Development, and<br>Environmental Protection                         | 2010-2012 |

| Title   | Project ID | Funding source  | Duration  |
|---|------------|---|-----------|
| DEVELOPMENT AND APPLICATION OF PRIORITY PROTECTION MEASURES FOR WOLF (Canis lupus L., 1758) IN SERBIA |            | Ministry of Energetics, Development, and Environmental Protection | 2010-2012 |

|  |        |   |           |
|--|--------|---|-----------|
| Studies on diversity, protection and sustainable use of the fish fauna as key components in developing the strategy for integral management of water resources in Serbia | 143045 | Ministry of Science and Technological Development | 2006-2010 |
|--|--------|---|-----------|

#### B) INTERNATIONAL PROJECTS

| Title   | Project ID         | Funding source | Duration  |
|---|--------------------|----------------|-----------|
| SUSTAINABLE POLLINATION IN EUROPE: JOINT RESEARCH ON BEES AND OTHER POLLINATORS (SUPER-B) | COST Action FA1307 | EU Funds       | 2014-2018 |

|  |  |          |           |
|--|--|----------|-----------|
| EPIDEMIOLOGICAL RISK MODELS FOR VECTOR BORNE DISEASES IN A CHANGING WORLD. THE CASE STUDY OF MOSQUITO AND TICK-BORNE DISEASES UNDER DIFFERENT CONDITIONS OF HABITAT INTEGRITY, ENVIRONMENT AND CLIMATE |  | EU Funds | 2013-2015 |
|--|--|----------|-----------|

| Title  | Project ID | Funding source   | Duration  |
|--|------------|--|-----------|
| BIOLOGICAL CONTROL<br>MANUFACTURERS IN EUROPE<br>DEVELOP NOVEL BIOLOGICAL<br>CONTROL PRODUCTS TO<br>SUPPORT THE<br>IMPLEMENTATION OF<br>INTEGRATED PEST<br>MANAGEMENT IN<br>AGRICULTURE AND FORESTRY<br>(BIOCOMES) - EUROPEAN<br>COMMISSION 7 th Framework<br>Programme for Research | 612713     | EU Funds   | 2013-2017 |
| CONSERVING BATS AND<br>IMPORTANT HABITATS IN<br>AGRICULTURAL<br>ENVIRONMENT IN SERBIA  |            | The Rufford Foundation   | 2013-2014 |
| PPF4 - PROJECT PREPARATION<br>FACILITY FOR IPA<br>COMPONENT III (PROJECT<br>PREPARATION FACILITY 4)  |            | EU Funds   | 2011-2013 |
| POPULATION DENSITY AND<br>FEEDING HABITS OF THE<br>GOLDEN JACKAL (CANIS<br>AUREUS L. 1758) IN<br>DIFFERENT HABITAT TYPES IN<br>THE PANNONIAN ECOREGION   |            | Ministry of Science and<br>Technological Development of<br>RS and National Office for<br>Research and Technology of<br>Hungary | 2010-2012 |

#### Industry group (according to "Gazette RS", No. 54/10)

Hunting, trapping and related service activities

Fishing

Research and experimental development on natural sciences and engineering

Other professional, scientific and technical activities n.e.c.

Higher education

## Staff list within the unit

| Name       | Last name     | Teaching/scientific title |
|------------|---------------|---------------------------|
| Jasmina    | Krpo-Četković | Associate Professor       |
| Dragan     | Kataranovski  | Full Professor            |
| Aleksandar | Četković      | Assistant Professor       |
| Duško      | Ćirović       | Assistant Professor       |
| Srđan      | Stamenković   | Assistant Professor       |
| Aleksandar | Hegediš       | Assistant Professor       |
| Milan      | Plećaš        | Teaching Assistant        |
| Jovana     | Bila-Dubaić   | Teaching Assistant        |
| Aleksandra | Penezić       | Teaching Assistant        |
| Srđan      | Subotić       | Teaching Assistant        |
| Jelena     | Burazerović   | Research Assistant        |