

**The Doctoral School of Integrative Biology** at Faculty of Biology and Geology, includes the following members (in alphabetical order):

- **Prof. Horia Banciu.** Research interest: *Microbial diversity of extreme environments;*
- **Prof. Manuela Banciu.** Research interest: *bionanotechnology, biochemistry, nanomedicine, oncobiology*
- **Prof. Marcel Pârvu.** Research interest: *Medicinal Plants and Fungi;*
- **Prof. Vasile Cristea.** Research interest: *Nature conservation in Romania; Plant's ecology;*
- **Prof. Nicolae Dragoş.** Research interest: *Cyanobacteria and algae - From taxonomy to applied phycology;*
- **Assoc. Prof. Lujza Keresztes.** Research interest: *Origin and evolution of aquatic insects in the Carpathians, biological assessment of freshwaters using molecular methods;*
- **Prof. Péter László Pap.** Research interest: *Avian biology, ecophysiology, ecomorphology of feathers and plumage, comparative studies;*
- **Prof. Bálint Markó.** Research interest: *Conflict and cooperation: cohesion of insect societies and determinant factors;*
- **Assoc. Prof. Mihai Puşcaş.** Research interest: *Alpine plant biogeography and phylogeography, plant taxonomy, plant biodiversity monitoring;*
- **Prof. Elena Rákosy.** Research interest: *Plant genetic engineering for crop improvement – analysis of resistance to biotic and abiotic stress;*
- **Prof. László Rákosy.** Research interest: *Insect taxonomy, ecology and conservation; Cultural ecology;*
- **Assoc. Prof. Eszter Ruprecht.** Research interest: *Plant ecology, Community ecology.*
- **Scientific researcher Cristian Sevcencu.** Research interest: *Neuromodulation and bioelectronic medicine: principles, procedures and physiological support*

**Secretary of the Doctoral School of Integrative Biology:** Dr. Oana Gavrilaş ([oana.rosca@ubbcluj.ro](mailto:oana.rosca@ubbcluj.ro); [casioana@gmail.com](mailto:casioana@gmail.com))

The members of the **Council of Doctoral School of Integrative Biology** are Prof. Péter László Pap (*Interim Director*), Prof. Horia Banciu, Maricel Bocaneala, PhD student, Dr. Mircea Podar (Oak Ridge National Laboratory; The University of Tennessee, Knoxville, SUA).

**Courses offered by the doctoral school:**

**Prof. Horia Banciu**

Ambiental Molecular Biology

**Prof. Manuela Banciu**

Oxidative stress in biological and biomedical research

**Assoc. Prof. Lucian Barbu**

Electron Microscopy

**Prof. Vasile Cristea**

Classic and Modern Taxonomy

Prioritary habitats in Romania

**Assoc. Prof. Dan Gafta**

Filogeography and numerical analysis in ecology

**Prof. Bálint Markó**

Sociobiology

**Prof. Marcel Parvu**

Farmaceutical natural extracts

**Assoc. Prof. Mihai Puscas**

Filogeography and numerical analysis in ecology

**Prof. Elena Rakosy**

Development Genetics

**Prof. Laszlo Rakosy**

Classic and Modern Taxonomy

Prioritary habitats in Romania

**Assoc. Prof. Eszter Ruprecht**

Research methodology and ethics