

## **SPECIALIZACE PANELU GA ČR OK5 - Zemědělské a biologicko-environmentální vědy**

(od 1. dubna 2025)

### **Fyziologie a genetika rostlin, rostlinolékařství (Plant Physiology and Genetics, Plant Medicine) - P501**

- Crop and pasture production
- Tree improvement
- Tree nutrition and physiology
- Horticultural production
- Plant biochemistry
- Plant cell and molecular biology
- Plant developmental and reproductive biology
- Plant pathology
- Plant physiology

### **Fyziologie a genetika živočichů, veterinární lékařství (Animal Physiology and Genetics, Veterinary Medicine) - P502**

- Animal production
- Fish pests and diseases
- Fish physiology and genetics
- Veterinary sciences
- Host-parasite interactions
- Animal cell and molecular biology
- Animal developmental and reproductive biology
- Animal diet and nutrition
- Animal immunology
- Animal neurobiology
- Animal physiological ecology
- Animal physiology – biophysics
- Animal physiology – cell
- Animal physiology – systems
- Animal structure and function
- Comparative physiology

### **Potravinářství, ekotoxikologie a environmentální chemie (Food science, Ecotoxicology and Environmental Chemistry) - P503**

- Beverage chemistry and beverage sensory science
- Food chemistry and food sensory science
- Food nutritional balance
- Food safety, traceability, certification and authenticity
- Food sustainability
- Bioavailability and ecotoxicology

- Environmental assessment and monitoring
- Environmental biogeochemistry
- Pollution and contamination not elsewhere classified

**Péče o krajinu, lesnictví a půdní biologie, ekologie ekosystémů (Landscape Management, Forestry and Soil Biology, Ecosystem Ecology) - P504**

- Agroforestry
- Forest biodiversity
- Forest ecosystems
- Forest health and pathology
- Forestry biomass and bioproducts
- Forestry fire management
- Forestry management and environment
- Palaeoecology
- Microbial ecology
- Global change biology
- Carbon sequestration science
- Ecological impacts of climate change and ecological adaptation
- Human impacts of climate change and human adaptation
- Climate change impacts and adaptation not elsewhere classified
- Ecosystem function
- Ecosystem services
- Fire ecology
- Landscape ecology
- Ecological applications not elsewhere classified
- Soil Sciences

**Ekologie živočichů a rostlin (Animal and Plant Ecology) - P505**

- Behavioural ecology
- Community ecology
- Ecological physiology
- Freshwater ecology
- Marine and estuarine ecology
- Population ecology
- Terrestrial ecology
- Evolutionary ecology
- Conservation and biodiversity

**Botanika a zoologie (Botany and Zoology) - P506**

- Animal systematics and taxonomy
- Biogeography and phylogeography
- Evolutionary impacts of climate change
- Phylogeny and comparative analysis
- Plant and fungus systematics and taxonomy
- Evolutionary biology not elsewhere classified

- Mycology
- Phycology (incl. marine grasses)
- Animal behaviour
- Invertebrate biology
- Vertebrate biology
- Zoology not elsewhere classified