



Jihočeská univerzita  
v Českých Budějovicích  
University of South Bohemia  
in České Budějovice

Fakulta rybnářství  
a ochrany vod  
Faculty of Fisheries  
and Protection  
of Waters

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# Ph.D. study (2<sup>nd</sup> call)

## Specialist in biological and biologically-related fields

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### Activities

- Daily Ph.D. study in the discipline of Fishery or Protection of Aquatic Ecosystems
- Working on student's own Ph.D. thesis topic (the list of available Ph.D. thesis topics and the contact details of the supervisors are available below)
- Publishing manuscripts in Q1-Q3 journals
- Presenting results at international conferences and faculty seminars, completing research internships abroad
- Teaching or assisting with courses, consulting or supervising bachelor's or master's students
- Supervising summer school projects
- Other activities within the given research unit

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### Requirements on applicants:

- Successfully completed master's degree study in environmental chemistry, toxicology, ecology, biology, protection of environment, fishery, biology, agriculture, veterinary medicine or related fields
- Admission into the Fishery Ph.D. study program or the Protection of Aquatic Ecosystems Ph.D. study program at USB FFPW, full-time form of study
- General knowledge of biology, aquatic ecology and chemistry
- English language knowledge at the B1 level or higher
- User-level computer skills, particularly the MS Office suite (Word, Excel, PowerPoint, Outlook)
- Communicativeness, responsibility, conscientiousness, organizational ability, willingness to learn new things, stress resistance

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### We offer:

- Nice working environment in new faculty facilities
- Study and work in an international team
- Opportunities for personal and professional development
- Other benefits (5 weeks of paid leave, 4 days of sick leave, MS Office for private use)

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**Starting date:** February 2025

**Working hours:** equivalent to a full-time workload (40 hours per week)

**Duration of the position:** 4 years (standard duration of the Ph.D. study program)

**Net monthly income:** from CZK 18,900 (depending on the study results)

**Place of work:** depending on the supervisor's location  
(Vodňany, České Budějovice, Nové Hrady)

Get in contact with the supervisor listed under the selected topic. **If you reach a mutual agreement, complete the e-application to study.** Applicants should submit e-application to the Ph.D. study program at USB FFPW via e-mail at [lkacerova@frov.jcu.cz](mailto:lkacerova@frov.jcu.cz) by **December 2, 2024**.

More information at:

<https://www.frov.jcu.cz/en/admissions/admission-procedures>





# Topics for dissertation thesis for DSP Fishery for ac. year 2024/2025 (2<sup>nd</sup> call)

## Research Institute of fish Culture and Hydrobiology - Vodňany

**prof. Martin Flajšhans.** – [flajshans@frov.jcu.cz](mailto:flajshans@frov.jcu.cz), + 420 389 034 608

- Ploidy abnormalities in sterlet / Ploidní abnormality u jesetera malého

**Vojtěch Kašpar, PhD..** – [vkaspar@frov.jcu.cz](mailto:vkaspar@frov.jcu.cz), + 420 387 774 609

- The genetic structure of brown trout (*Salmo trutta*) populations in the Šumava region / Genetická struktura populací pstruha obecného (*Salmo trutta*) v oblasti Šumavy

**Oleksandr Malinovskyi, PhD..** – [omalinovskyi@frov.jcu.cz](mailto:omalinovskyi@frov.jcu.cz), + 420 608 272 160

- The effect of pikeperch (*Sander lucioperca*) origin on their ability to express natural behaviour / Vliv původu candáta obecného (*Sander lucioperca*) na jeho schopnost projevovat přirozené chování

**prof. Tomáš Polícar** – [policar@frov.jcu.cz](mailto:policar@frov.jcu.cz), + 420 602 263 594

- Application of outdoor “Pond raceway system” for diversification of aquaculture in Central Europe / Využití venkovního pontonového chovu ryb v rybnících k diverzifikaci akvakultury ve střední Evropě

**Martin Prchal, PhD..** – [mprchal@frov.jcu.cz](mailto:mprchal@frov.jcu.cz), + 420 389 034 753

- Estimation of genetic parameters of the main performance traits for the implementation of selective breeding in a commercial burbot (*Lota lota*) production / Odhad genetických parametrů hlavních užitkových znaků mníka jednovouseho (*Lota lota*) pro realizaci selekčního šlechtění v komerční produkci

## Institute of Aquaculture and Protection of Waters – České Budějovice

**Radek Gebauer, Ph.D.** – [rgebauer@frov.jcu.cz](mailto:rgebauer@frov.jcu.cz), + 420 389 034 647

- Circular approaches in fish processing / Cirkulární přístupy ve zpracování ryb

**Assoc. Prof. Jan Mráz** – [mrjaz@frov.jcu.cz](mailto:mrjaz@frov.jcu.cz), +420 737 221 913

- Circularity and sustainable aquaculture / Cirkularita a udržitelná akvakultura

**Koushik Roy, Ph.D.** – [kroy@frov.jcu.cz](mailto:kroy@frov.jcu.cz), + 420 774 960 101

- Amino acids in pond food web and precision pond feeds to improve nutrient use efficiency / Aminokyseliny v potravní síti rybníka a krmiva pro efektivnější využití živin

## Institute of Complex Systems – Nové Hradky

**Ing. Jan Urban, Ph.D.** – [urbanj@frov.jcu.cz](mailto:urbanj@frov.jcu.cz), + 420 387 773 842

- Fish fins as a welfare indicator / Rybí ploutve jako indikátor dobrých životních podmínek

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# Topics for dissertation thesis for DSP Protection of Aquatic Ecosystems for ac. year 2024/2025 (2<sup>nd</sup> call)

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## Research Institute of fish Culture and Hydrobiology - Vodňany

**Assoc. Prof. Martin Bláha** – [blaha@frov.jcu.cz](mailto:blaha@frov.jcu.cz), +420 773 111 446

- Third-generation sequencing: a powerful tool for studying biodiversity in freshwater ecosystems / Sekvenování třetí generace jako nástroj pro studium biodiversity sladkovodních ekosystémů

**Assoc. Prof. Roman Grabic** – [rgrabic@frov.jcu.cz](mailto:rgrabic@frov.jcu.cz), +420 387 774 756

- Application of LC/HRMS methods and data analysis workflows for identification of compounds with adverse effects on aquatic biota in passive sampler samples / Použití LC/HRMS a postupů datové analýzy pro identifikaci sloučenin s negativním efektem na vodní organismy v pasivních vzorkovačích

**Kateřina Grabicová, Ph.D.** – [grabicova@frov.jcu.cz](mailto:grabicova@frov.jcu.cz), +420 387 774 752

- Polar micropollutants and aquatic organisms – a study of fate and effects with application of targeted and non-targeted LC/HRMS analysis / Polární mikropolutanty a vodní organismy – studium osudu a působení (s využitím metod cílené a necílené analýzy LC/HRMS)

**Dr. Philip Joschka Hubrock** – [philip.haubrock@hotmail.de](mailto:philip.haubrock@hotmail.de), 00491 766 311 6403

- Spatial Patterns in Biological Invasions and Impacts on Biodiversity / Prostorové vzorce biologických invazích a dopady na biodiverzitu

**Assoc. Prof. Vladimír Žlábek** – [vzlabek@frov.jcu.cz](mailto:vzlabek@frov.jcu.cz), +420 777 698 427

- Bioaccumulation dynamics of emerging contaminants in aquatic invertebrates / Bioakumulační dynamika emergentních kontaminantů ve vodních bezobratlých organismech

