



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

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

Ph.D. study

Specialist in biological and biologically-related fields

2nd call

Activities

- Daily Ph.D. study in discipline of Fishery or Protection of Aquatic Ecosystems;
- Work on own Ph.D. thesis topic (List of available Ph.D. thesis topics and contact to supervisors you can find below);
- Publication of manuscripts in Q1-Q3 journals;
- Presentation of results at international conferences, faculty seminars, realization of research interships abroad;
- Tuition in field of study, consulting or supervising of bachelor or master students,
- Supervising of summer school projects;
- Other activities within given research unit.

Requirements on applicants:

- Successfully completed master study field of environmental chemistry, toxicology, ecology, biology, protection of environment, fishery, biology, agriculture, veterinary or related fields;
- Admission into Ph.D. study program Fishery or Protection of Aquatic Ecosystems at USB FFPW, full-time form of study;
- General knowledge of biology, aquatic ecology and chemistry;
- English language knowledge minimally at B1 level;
- User knowledge of PC work – MS Office (Word, Excell, PowerPoint, Outlook); Communicativeness, responsibility, thoroughness, organizational ability, willingness to learn new things, stress resistance.

We offer

- Nice working environment in new faculty infrastructures;
- Study and work in international collective;
- Possibility for personal and professional development;
- Other benefits (5 weeks holiday, 4 days of indisposition vacation, MS Office for private usage);

Position start: March 2024

Working hours: reflecting full work load (40 hours a week)

Duration of position: 4 years (based on the duration of Ph.D. study)

Net month income: 17 300-20 000 CZK (based on the study results)

Place of work: based on the selected supervisor (RIFCH, Zátíší 728/II, Vodňany; IAPW, Husova tř. 458/102, České Budějovice; ICS, Zámek 136, Nové Hrady)

Get in contact with supervisor written by the selected theme. **In case of a mutual deal, complete the e-application to study.** Applicants for position should submit e-application to Ph.D. study at USB FFPW into e-mail lkacerova@frov.jcu.cz within **December 1, 2023.**

More information at:

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





Topics for dissertation thesis for DSP Fishery for ac. year 2023/2024 2nd call

MSc. Viktoriya Dzyuba, Ph.D. – vdzyuba@frov.jcu.cz, + 420 389 034 614

- Mitochondrial oxidation in fish gametes: comparison to somatic cells

MSC. Hamid Niksirat Hashjin, Ph.D. – niksirat@frov.jcu.cz, +420 389 034 745

- Sexual dimorphism at the cellular and molecular level in aquatic animals

doc. Ing. Jan Mráz, Ph.D. – jmraz@frov.jcu.cz, + 420 389 034 643

- Development of new fish products
- Circularity and sustainable aquaculture

prof. Ign. Tomáš Polícar, Ph.D. – policar@frov.jcu.cz, + 420 389 034 788

- Technical innovation of RAS with the aim to better use system capacity and waste nutrients
- Induction of sex-reversed males to achieve monosex all female population in pikeperch Sander lucioperca

doc. Ing. Martin Pšenička, Ph.D. – psenicka@frov.jcu.cz, +420 389 034 784

- Heritable and nonheritable changes in offspring produced via surrogate parents from cryopreserved germ stem cells in fish

M.Sc. Koushik Roy, Ph.D. – kroy@frov.jcu.cz, +420 389 034 648

- From ponds to public health: Increasing edible EPA+DHA for human food chain in land-locked territory

doc. Mgr. Radka Symonová, Ph.D. – radka.symonova@hbu.cas.cz, + 420 387 775 893

- (Cyto)genomics in biodiversity assessment and conservation of fish

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Topics for dissertation thesis for DSP Protection of Aquatic Ecosystems for ac. year 2023/2024 2nd call

doc. Ing. Martin Bláha, Ph.D. – blaha@frov.jcu.cz, +420 389 034 611

- Who eats who: using biomarkers to reveal food links in aquatic ecosystems
- Innovative management of stabilization ponds

doc. Ing. Miloš Buřič, Ph.D. – buric@frov.jcu.cz, +420 389 034 769

- Fish assemblages in the Slovak part of the Danube River: recent status and possible remediation options in the future

M.Sc. Ganna Fedorova, Ph.D. – gfedorova@frov.jcu.cz, +420 389 034 756

- The effect of emerging pollutants on the neurotransmission system of aquatic organisms

Ing. Bc. Kateřina Grabicová, Ph.D. – grabicova@frov.jcu.cz, +420 389 034 752

- Polar micropollutants and aquatic organisms – a study of fate and effects with application of targeted and non-targeted LC/HRMS analysis

Dr. ric. Phillip Haubrock, Ph.D. – phillip.haubrock@senckenberg.de

- Spatial patterns of biological invasions and their impacts on biodiversity

prof. RNDr. Dalibor Štys, Ph.D. – stys@frov.jcu.cz

- The use of human tissue cultures as rapid, sensitive and semi-specific biosensors for the detection of pollutants and bioactive compounds

dr. hab. Josef Velíšek, Ph.D. – velisek@frov.jcu.cz

- Effect of environmental concentrations of pesticides, metabolites and their mixtures on aquatic organisms.
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