



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

## Specialist in biological and biologically related fields

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### Activities:

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

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### Requirements on applicants:

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

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### We offer

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

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**Position start:** August – October 2021

**Working hours:** reflecting full-time job (40 hours a week)

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

**Net month income:** 15 000 – 20 000 CZK (based 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 Hradky)

Get in contact with supervisor written by the selected theme. **In case of a mutual deal, complete the application for study.** Applicants for position should submit application to the Ph.D. study at the FFPW USB to the address: Faculty of Fisheries and Protection of Waters USB, Office for Ph.D. study and foreign relationships, Zátíší 728/II, 389 25 Vodňany, Czech Republic or into the e-mail [lkacerova@frov.jcu.cz](mailto:lkacerova@frov.jcu.cz) within **May 10, 2021.**

More information at:

<http://www.frov.jcu.cz/en/pro-zajemce-o-studium-menu-2/menu-what-study/166-pro-zajemce-o-studium-en/4208-pro-aqu-eco>





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# Topics for dissertation thesis for DSP Protection of Aquatic Ecosystems for ac. year 2021/2022 – 1<sup>st</sup> round

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prof. Ing. Tomáš Randák, Ph.D. – [trandak@frov.jcu.cz](mailto:trandak@frov.jcu.cz), +420 38 777 4603

- Ecological consequences of the presence of psychoactive substances in the aquatic environment

Ing. Alžběta Stará, Ph.D. – [staraa01@frov.jcu.cz](mailto:staraa01@frov.jcu.cz), + 420 38 777 4622

- Effects of neonicotinoids on non-target aquatic organisms

doc. Ing. Hana Kocour Kroupová, Ph.D. – [kroupova@frov.jcu.cz](mailto:kroupova@frov.jcu.cz), + 420 38 777 4621

- Less frequently studied hormonal activities in aquatic environments

doc. Mgr. Roman Grabic, Ph.D. – [rgrabic@frov.jcu.cz](mailto:rgrabic@frov.jcu.cz), + 420 38 777 4756

- Development of LC/HRMS methods for identification of compounds with adverse effect selected by Effect Directed Analysis

prof. RNDr. Jaroslav Vrba, CSc. – [vrbaa00@prf.jcu.cz](mailto:vrbaa00@prf.jcu.cz), + 420 38 777 2346

- Factors affecting water quality in fish ponds

Mgr. Jiří Jablonský, Ph.D. – [jjablonsky00@frov.jcu.cz](mailto:jjablonsky00@frov.jcu.cz), +420 38 777 3828

- Multi-omics integration deciphering the metabolic regulation of cyanobacteria

Dr. ric. Philip J. Haubrock - [phillip.haubrock@senckenberg.de](mailto:phillip.haubrock@senckenberg.de), 06051 619543125

- Long term trends and impacts in past, current and future biological invasions

doc. Ing. Miloš Buřič, Ph.D. – [buric@frov.jcu.cz](mailto:buric@frov.jcu.cz), +420 38 777 4745

- The role of invasive crayfish in freshwater ecosystems – from habitat use and food to direct species interactions

M.Sc. Ganna Fedorova, Ph.D. – [gfedorova@frov.jcu.cz](mailto:gfedorova@frov.jcu.cz), +420 38 777 4752

- PPCPs in reclaimed water: possibilities, benefits and risks of wastewater reuse

Ing. Bc. Kateřina Grabicová, Ph.D. – [grabicova@frov.jcu.cz](mailto:grabicova@frov.jcu.cz), +420 38 777 4752

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

RNDr. Andrea Vojs Staňová, Ph.D. – [vojsstanova@frov.jcu.cz](mailto:vojsstanova@frov.jcu.cz), + 420 38 777 4752

- Advanced MS methods for identification, quantification and assessment of emerging pollutants in water
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