



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 discipline of Fishery;
- 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;
- Practice at faculty facilities;
- 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 fisheries, biology, agriculture, chemistry, veterinary or related fields;
- Admission into the Ph.D. study program Fishery 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 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 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 Hradky)

Get in contact with supervisor written by the selected theme. **In case of a mutual deal, complete the application to 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, Office for Ph.D. study and foreign relationships, Zátíší 728/II, 389 25 Vodňany, Czech Republic or into 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/fishery-phd-ft](http://www.frov.jcu.cz/en/pro-zajemce-o-studium-menu-2/menu-what-study/fishery-phd-ft)





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# Topics for dissertation thesis for DSP Fishery for ac. year 2021/2022 – 1st round

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prof. RNDr. Jan Kubečka, Ph.D. – [kubecka@hbu.cas.cz](mailto:kubecka@hbu.cas.cz), +420 38 777 5891

- Fish population dynamics in large lakes and reservoirs / Populační dynamika ryb ve velkých nádržích a jezerech

doc. Ing. Martin Pšenička, Ph.D. – [psenicka@frov.jcu.cz](mailto:psenicka@frov.jcu.cz), + 420 38 777 4717

- Cryopreservation and restoration of maternal germ plasm in sturgeon / Kryoprezervace a obnovení maternální zárodečné plasmy u jesetera

MVDr. Veronika Piačková, Ph.D. – [piackova@frov.jcu.cz](mailto:piackova@frov.jcu.cz), + 420 38 777 4621

- Persistence and spread of common carp viral pathogens in aquaculture / Perzistence a šíření virových patogenů kapra obecného v akvakultuře

M.Sc. Azin M. Samarin, Ph.D. – [mohagheghi@frov.jcu.cz](mailto:mohagheghi@frov.jcu.cz), + 420 38 777 4748

- Molecular mechanism of fish egg quality / Molekulární mechanismy kvality jiker u ryb

doc. Ing. Tomáš Polícar, Ph.D. – [policar@frov.jcu.cz](mailto:policar@frov.jcu.cz), + 420 38 777 4606

- Production of monosex populations in pikeperch (*Sander lucioperca*) and their using in aquaculture / Produkce monosexních populace u candáta obecného (*Sander lucioperca*) a jejich využití v akvakultuře
- Feed application and utilization in intensive pikeperch aquaculture / Aplikace a využití krmiv v intenzivním chovu candáta obecného

MVDr. Eliška Zusková, Ph.D. – [zuskova@frov.jcu.cz](mailto:zuskova@frov.jcu.cz), +420 38 777 4621

- Histology as diagnostic tool in aquaculture / Histologie jako diagnostický prostředek v akvakultuře

doc. Ing. Martin Kocour, Ph.D. - [kocour@frov.jcu.cz](mailto:kocour@frov.jcu.cz), +420 38 777 4612

- Genetically improved stocks of common carp – impacts and challenges in Central European pond management conditions / Obsádky kapra s vyšším užitkovým potenciálem – výzvy a dopady v podmínkách rybníčního hospodaření střední Evropy

doc. Ing. Jan Mráz, Ph.D. – [jmraz@frov.jcu.cz](mailto:jmraz@frov.jcu.cz), +420 38 777 4643

- Nutrition in aquaponics / Výživa v akvaponii
- Preservation of fish quality / Udržení kvality ryb

Mgr. Tomáš Korytář, Ph.D. – [tkorytar@frov.jcu.cz](mailto:tkorytar@frov.jcu.cz), +420 38 777 4681

- Evolutionary conservation of endotoxin sensitivity in main aquaculture species / Evoluční konzervace citlivosti k bakteriálnímu endotoxinu u hlavních akvakulturních druhů