



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

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

Researcher (postdok)

Scope of Work

- Independent research work in the field of signal and image processing and machine learning on projects carried out within the laboratory (fish identification from images, fish behavior analysis, automated fish sampling, aquaculture monitoring systems, water quality analysis using hyperspectral and multispectral satellite data) as well as on own research projects;
 - Algorithm design and implementation of specialized algorithms;
 - Independent and team-based research activities;
 - Active participation in conferences;
 - Publication activities;
 - Contribution to the long-term [strategy](#) of the laboratory;
 - Leading summer school projects.
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Requirements

- Postgraduate or university education (Ph.D., Ing., MSc., Mgr.) in a technical field;
 - Active knowledge of English, both spoken and written (minimum level B1);
 - Knowledge of programming in a high-level programming language (preferably Python, Java, Matlab, C#);
 - Knowledge of signal and image processing and analysis;
 - Knowledge of convolutional neural networks;
 - Experience with presentations at conferences and seminars;
 - Publication activity.
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We offer

- Work on interesting international projects within an experienced and motivated team;
 - Peaceful working environment in the Novohradské Mountains;
 - Employee benefits (5 weeks of vacation, 4 days of personal leave, discounted mobile services and banking with a partner bank, free MS Office for personal use, meal allowance);
 - Opportunities for personal and professional development.
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Start date: 2025/2026

Workload: Full-time (1.0 FTE)

Salary: EUR 1540 – 1650 per month (according to the JU Salary Regulations)

Workplace: Faculty of Fisheries and Protection of Waters, Institute of Aquaculture and Protection of Waters, Zámek 136, 373 33 Nové Hradky

Please send a structured CV, a motivation letter, and a copy of your highest educational certificate to Ing. Eva Slabší at eslabsi@frov.jcu.cz or by post to: Faculty of Fisheries and Protection of Waters, Dean's Office FFPW USB, Zátíší 728/II, 389 25 Vodňany, no later than **November 7, 2025**.

More information available at: <https://www.frov.jcu.cz/en/faculty/vacancies>

