



**AQUACARP**

# CURRENT RESEARCH INTEREST

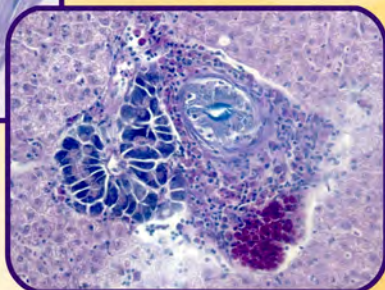
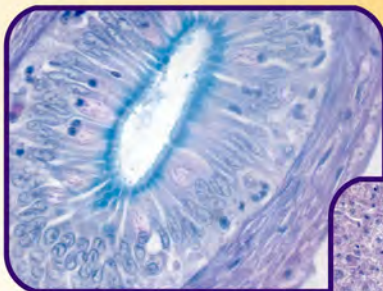


Selective breeding program of the Common carp (*Cyprinus carpio* L., 1758) - established in 2008.



Fish feeding experiments - finding new feed formulations and experimenting with alternative ingredients in fish feed.

Fish pond water quality and biology - studying abiotic (water quality) and biotic (zooplankton, macrozoobenthos) parts of pond ecosystem.



Histological analysis - studying morphology of vital organs (gills, liver, intestine, skin, kidney) in fish feeding experiments, toxicology and ecotoxicology.

Fish biology and welfare - studying life cycles of various aquacultured species as well as stress factors.





## Center for Fishery and Applied Hydrobiology - CEFAH



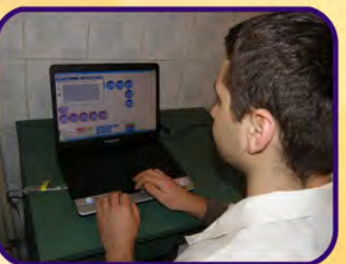
Facilities and major equipment: 18 experimental ponds, 3 turboxygens and 3 paddlewheels, 50 tanks for carp selective breeding program, 40 aquaria, a computer feeding robot system, water recirculation system, computer system for measuring temperature and dissolved oxygen, etc.

## Laboratory for water quality



Major equipment: centrifuge, spectrophotometer, probes for measuring pH, conductivity, nitrates, dissolved oxygen concentration and saturation.

## Laboratory for fish nutrition



Major equipment: 17 tanks for fish feeding experiments, a computer system for measuring temperature and dissolved oxygen, belt feeders for controlled fish feeding.

## Laboratory for histology



Major equipment: tissue processor, slide stainer, hot/cold plate, water bath, paraffin dispenser, microtome (laboratory shared with FUNCROPS group).

## Working team

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