

Review of USB RIFCH PhD Thesis

Surname of the PhD student: Ing. Vlastimil Stejskal	Name of supervisor: doc. Ing. Jan Kouřil, Ph.D.
Title of PhD thesis: Intensive culture and nutrition of Eurasian perch (<i>Perca fluviatilis</i> L.) fingerlings	
REVIEWER:	
Surname: Mareš	Institution: MUF Brno, Department of Fisheries and Hydrobiology, Zemědělská 1, 613 00 Brno
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Please describe your professional relationship to the PhD student: none	Please describe your field of expertise: Fish nutrition, aquaculture,

QUESTIONNAIRE

Originality, scientific importance, prospects of the PhD thesis and benefits for basic or applied research
Evaluate its competitiveness in the international context and compare its level with the current state of the art in the field:

The dissertation thesis submitted by Ing. Vlastimil Stejskal includes the results from a wide spectrum of questions concerning intensive rearing of perch (*Perca fluviatilis*). By the experiment the author obtained several original results. The thesis is composed of six original scientific papers dealing with the problems mentioned. The chosen topics might be considered to be the most prominent ones in the field of perch rearing and the present results improve and further our understanding of basic and applied research at the international level.

Preparation of the PhD thesis, targets of the work and deliverables

Evaluate the overall level of preparation of the PhD thesis and the originality of the selected approaches; evaluate publications and whether the targets set in the PhD thesis correspond with the declared purpose of the thesis:
The published articles that are part of the present thesis reach common scientific standard level. The weakest part of this thesis is from a formalistic point of view the introduction chapter that contains several inaccuracies and mistakes. However, the present publications prove the scientific importance of the thesis in a very good manner. Actual experiments, their evaluation and data processing correspond to international scientific standards. The aims of dissertation thesis stated in the introductory chapter were fulfilled successfully.

OVERALL COMMENTARY ON THE PhD THESIS

Please write comments:

The dissertation thesis solves some actual problems of production of perch realized under the intensive rearing conditions. The thesis is composed out of six scientific articles at different stages concerning publication and the author of this dissertation thesis is the first author of two of them. The coauthors of all of these articles are very experienced and well known specialists in the field. The methodology used and the performance of the experiments as well as processing of the obtained data and their presentation reach highly sophisticated international standards, which is proven by publication in internationally recognized journals. These articles are covered by an introductory chapter, a summarizing discussion, list of publications, and by the CV. The introductory chapter contains several formal mistakes including incorrect citations (marked in the thesis). It is necessary to change as recommended. Further negligible mistakes are found also in the final discussion chapter.

The list of publications demonstrates the recent state of knowledge as a scientific overview provided by the author.

Two questions:

1. Can the author deduce the impact of intensive rearing conditions on the muscle quality of perch?
2. What is the presumption of perch production in the Czech Republic and the realization in the Czech market?

After thorough reviewing of the present thesis I recommend this thesis for final defence and after successful passing defence I would agree to provide the academic title – Ph.D.

FINAL RECOMMENDATION

- can be recommended for defence of PhD Thesis
- can be recommended with reservations for defence of PhD Thesis
- can not be recommended for defence of PhD Thesis

2.4.09 Bmo
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Date and place

Josef Quaver
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surname and signature