



University of South Bohemia in České Budějovice
Faculty of Fisheries and Protection of Waters
Research Institute of Fish Culture and Hydrobiology

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Confidential

Review of USB FFPW PhD Thesis

Surname of the PhD student: Ing. Jiří Kortan	Name of supervisor: doc. RNDr. Zdeněk Adámek, CSc.
Title of PhD thesis: Secondary losses caused by feeding activities of great cormorant (<i>Phalacrocorax carbo sinensis</i>) on fishponds	

Surname: Navrátil	Institution: University of Veterinary and Pharmaceutical Sciences
Name: Stanislav	
Titles: Doc., MVDr., CSc.	E-mail: navratils@vfu.cz
Please describe your professional relationship to the PhD student: I know the PhD student from the state exam, but I have not been cooperating with him.	Please describe your field of expertise: Diseases of fish and bees.

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 increasing population of cormorants associated with great losses of fish is a serious problem of our fishery. The direct impact to fish population is known, but indirect secondary losses associated with the damage of fish, stress and higher sensitivity to diseases can be very important. The presented PhD thesis brings together original results of several studies aimed at this secondary impact. From this point of view the item of the submitted thesis is well-taken and very topical.

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 submitted study is written as a collection of five published, accepted or submitted papers in scientific journals with impact factor. The review of references corresponds with the needs of the study and contains all necessary data for the orientation in problems. Methods of the investigation are well-taken and standard. The used methods are mostly well described and make repetition possible. Results of all investigations are very valuable and extend the current knowledge on the impact of the great cormorant to fish and their health status.



OVERALL COMMENTARY ON THE PhD THESIS

Please write comments:

The submitted study is written as a collection of five published, accepted or submitted papers in scientific journals with impact factor. The study is composed of the special chapter of general introduction and subchapters of general discussion, English and Czech summaries, acknowledgements, list of publications, training and supervisors plan during the study and curriculum vitae. It has 87 pages. In my opinion there are some formal and language imperfections in the study. I have a critical note on the division of the study. I think that a better division of these subchapters should be the division into chapters. Major conclusions are a part of the general discussion. In my opinion, a separate chapter of conclusion is lacking.

The general introduction makes the reason of investigation clear and presents aims of the study. The aims are summarised in five points. On the basis of the evaluation of the results it is possible to state that all the points were realised.

The review of references corresponds with needs of the study and contains all necessary data for the orientation in problems.

The methods of the investigation are mostly well-taken, standard and well described.

The results of all investigations are very valuable and extend the current knowledge on the influence of the great cormorant to secondary losses in fish. The results of all papers are well documented by tables and figures. The obtained results are discussed with appropriate literature sources.

Unfortunately, a separated conclusions chapter is lacking. In my opinion, practical recommendations are also lacking.

The summary briefly repeats the results.

I have the following notes or questions and recommendations for the general chapters and submitted papers:

1. I recommend the accurate formal and language control and correction of the general chapters and subchapters.
2. Chapter 6. Submitted paper. I recommend describing methods of the parasitological investigation and the expression of the intensity of parasitic infection in a greater detail. It is very important for the presentation and interpretation of the results. I suppose that this paper is not in the form acceptable by Veterinary Parasitology.
3. What explications and practical recommendations do result from the study?

The presented study fulfils the requirements for PhD thesis and therefore I **recommend** it for the defence and after it I **agree** with the conferment of the degree “Doctor”.



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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**

.....18. 5. 2010...Brno.....
date and place

Doc. MVDr. Stanislav Navrátil, CSc.
Surname and signature



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Confidential

Review of USB FFPW PhD Thesis

Sumame of the PhD student: Ing. Jiří Kortan	Name of supervisor: doc. RNDr. Zdeněk Adámek, CSc.
Title of PhD thesis: Sencodary losos caused by feeding activities of great comorant (Phalacrocorax carbo sinensis) on fishponds	
Sumame: Günther	Institution: Federal Agency for Water Management Institute for Ecology and Aquaculture
Name: Schlott	
Titles: Dr.	E-mail: oeko@baw.at
Please describe your professional relationship to the PhD student: there is no relationship	Please describe your field of expertise: Ecology, aquaculture (esp. carp production), fish predators (esp. otter)

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 thesis covers important and new aspects of the problems relating to the increasing population of the comorant. The results facilitate the discussion about damages on the fish stock in aquaculture.

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 papers are well prepared and there is no doubt on corresponding with the declared purpose of the thesis

OVERALL COMMENTARY ON THE PhD THESIS

Please write comments:

Personally I am very happy to have new arguments in the long lasting and until now sometimes ineffective discussion about comorants and their influence on fish production in ponds.



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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

Schreus, 18.5.2010

Date and place

for the school

Surname and signature