

Confidential

Supervisor's Review of USB RIFCH PhD Thesis

Surname of the PhD student: Ing. Miloš Buřič	Name of supervisor: Assoc.Prof. Pavel Kozák, Ph.D.
Title of PhD thesis: Biology of spiny-cheek crayfish (<i>Orconectes limosus</i> , Rafinesque, 1817) under conditions of the Czech Republic and the study of factors influencing its invasive spreading	

OVERALL COMMENTARY ON THE PhD THESIS

Scientific value, originality and quality of processing of PhD thesis are excellent. First of all, it is a complex of laboratory and field studies focused on biology, especially ecology, migration and reproduction of invasive crayfish *Orconectes limosus*. Second of all, results of the thesis are highly applicable in nature conservation area and in the next basic and applied research. Finally, the results were published, are in press, under review process, or are submitted in pretty good impacted international journals.

My comments related to quality of present PhD thesis will be rather simple and short. Good work does not need wordy comments. Nine papers in peer-review journals (7 of them with impact factor) presented in this thesis speak for themselves. In my opinion, the most important studies are related to seasonal migration activity and morphological changes during the whole season of spiny-cheek crayfish males and females. Those data are really unique and have a direct application in nature conservation management not only under Czech Republic condition, as is mentioned in the title, but also around whole Europe. The fact that the thesis is a little too extensive (altogether 145 pp) is not a fault in this case. All of presented papers are important and related to the aim of studies. Introduction and discussion are written in a short and clear way. Conclusion is proper and relevant. Despite the quality of this work, there are several topics which need deeper and thorough research. (Miloš suggested some future perspectives at the end of his thesis.)

I evaluate this PhD thesis as extremely successful.

Besides, I would like to say some words about Miloš himself and his character. He was my first PhD student and it was real pleasure to be his supervisor. Miloš is not only very intelligent but also handy, skilful, friendly and modest, which is not a frequent combination in common students. He worked on his topic independently from the planning of methodology to the evaluating and compilation of publication. Although he was very busy doing his thesis, he was also helpful to me, to other students and the whole department when it was necessary. In my opinion, he is one of the best students of the institute in this time.

Unfortunately, he is going to leave an academic field and he will start to work in private fisheries. I am sure and I hope that he will be successful also in this area and I think that we will hear about him in the near future. Finally, I also hope that we will continue in our cooperation.

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

Vodňany, 22 May, 2009

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Date and place



doc. Ing. Pavel Kozák, Ph.D.

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surname and signature