



Confidential

Supervisor's Review of USB RIFCH PhD Thesis

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| Name of the PhD student: Dipl.-Ing. Radek Gebauer | Name of supervisor: RNDr. Bořek Drozd, Ph.D. |
| Title of PhD thesis: Foraging behavior of non-indigenous gobiid fish species | |

OVERALL COMMENTARY ON THE PhD THESIS

The present Ph.D. thesis entitled "Foraging behavior of non-indigenous gobiids fish species" is written in a clear way, divided into 5 chapters, three of them are consisted of 3 scientific papers (2 already published papers, 1 in stage of manuscript).

From the scientific point of view the present Ph.D. thesis represents a valuable contribution to clarification of foraging and behavior biology of two allochthonous, currently the most prominent gobiid species occupying the freshwater ecosystems throughout the Europe and North America. Especially in case of the round goby, i.e. species belonging to the 100 most dangerous fishes of the world, this issue constitutes a hot area of a global scientific interest. Moreover, the present thesis clearly shows where the entrance gates are and where the tracks of spreading of non-indigenous species lead in conditions of the inland countries with the intensive agricultural as well as industrial activities and rich of river systems. Furthermore, the compiled maps created based on twelve selected parameters surely contribute to the good ecological practice for better comprehension and prediction of vulnerability of particular area types to biological invasions as well as forecast of effects of alien animals introductions in such countries.

To sum up, all the stated goals have been in the thesis achieved in full. The thesis contains plenty of valuable scientific results, conclusions and useful tools for managers and policy makers, who can concentrate their efforts predominantly on high-risk areas and harmful aliens. The present thesis fulfils all conditions required for a successful defense at FFPW USB.

Some personal comments on the author of the present Ph.D. thesis: Radek belongs to the experienced hard-working people wont to overcome many professional difficulties and pitfalls. He did not let himself be discouraged by the initial setbacks resulting in the change of his Ph.D. thesis topic, in which he quickly and appropriately has orientated. No type of work is strange for him. He is all the time of his Ph.D. study full of ideas what to do. He can excelently combine knowledge from multiple disciplines. Moreover, Radek is a quiet, modest, friendly man who is willing to help all the people around. I was honored to work with him. I hope he will never forget what he has learned in our lab not only in professional but also human point of view. I wish him good luck in the professional life (during post-doc stay at IGB) as well as private life (marriage is behind the corner) and hope in continuation of our fruitful cooperation and staying in touch in advance.

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

24th May 2018, České Budějovice
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Date and place

Bořek Drozd
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surname and signature