



Confidential

Supervisor's Review of USB RIFCH PhD Thesis

Surname of the PhD student: GUO	Name of supervisor: Antonín Kouba
Title of PhD thesis: Burrowing behaviour in crayfish	

OVERALL COMMENTARY ON THE PhD THESIS

Ph.D. thesis by Wei Guo is focused on burrowing behaviour in freshwater crayfish, incorporating also aspects associated with the shelter utilization. Burrows and shelters in a wider sense represent a fundamental source for freshwater crayfish populations. In the same time, features related to this behaviour often remain undiscovered, making this field an interesting scientific niche. Own thesis consists of five contributions. In all but one, Wei is the first author. These describe:

- 1) capability of marbled crayfish to undergo embryonic and early postembryonic development in high air humidity
- 2) investigate burrowing behaviour under simulated drought conditions as influenced by environmental concentrations of selected psychoactive compounds and herbicides, using red swamp crayfish as a tested species,
- 3) and assess direct interactions and competition for shelter in marbled crayfish vs. two other invasive species, the spiny-cheek and calico crayfish.

Wei is a frank and friendly person. During his study, he proved to be a valid member of the laboratory team, being able to independently manage particular activities of the scientific work.

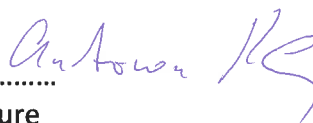
Taking this information as a whole, the theses by Wei Guo can be recommended for defence.

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, JULY 7, 2020

Date and place

A. KOUBA 

surname and signature