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Confidential

Supervisor's Review of USB RIFCH PhD Thesis

Surname of the PhD student: Máchová	Name of supervisor: Prof.MVDr. Zdeňka Svobodová, DrSc.
Title of PhD thesis: The role of toxicity tests on early life stages of fish in assessing the toxicity of substances and preparations	

OVERALL COMMENTARY ON THE PhD THESIS

Ing. Jana Máchová graduated from the University of Chemical Technology in Prague, where her teachers were these excellent professors: prof. Sládeček, DrSc. Prof. Sládečková, CSc. and prof. Pitter, DrSc. In 1979 - after a year internship at this university, she started to work at the department of aquatic toxicology and fish diseases of Research Institute of Fish Culture and Hydrobiology in Vodňany. Ing. Machova's entrance was a great benefit for the department, she participated in many research projects and she always worked with maximum effort, which shows also her extensively publication activities.

Her another important part of her work was and still is the diagnostic of fish poisoning. She considers this work as a source of new information and inspiration for further research and especially as a help for fishing practices. She used experience of these activities in processing of the methodology - Diagnostics methods of fish poisoning. The greatest importance for the department of aquatic toxicology and for the institute is her work at the toxicology laboratory. Thanks to her work, this laboratory obtained accreditation for the tests on aquatic organisms. Ing. Jana Máchová participated in the preparation of technical instructions in the Czech Republic, for example Ecotoxicological assessment of solid wastes. These days she submitted her PhD thesis - a set of five scientific publications, which are focused on toxicity assessment of selected substances and preparations - Diazinon 60 EC (two works), PAX-18, sodium nitrite and DMSO for early life stages of carp and tench. And she as well evaluates its importance for aquatic toxicology.

Jana Machova's PhD thesis is well done, and its conclusions are very valuable in terms of both scientific and practical applications. I recommend the thesis to the defence and after that successful defence titling 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

29. 4. 2011

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Date and place

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surname and signature