



Confidential

Supervisor's Review of USB RIFCH PhD Thesis

Surname of the PhD student: MSc. Eugenia Sancho Santos	Name of supervisor: Prof. Dipl.-Ing. Tomáš Randák Ph.D.
Title of PhD thesis: Psychoactive compounds in aquatic environment and their effects on fish	

OVERALL COMMENTARY ON THE PhD THESIS

Eugenia Sancho Santos was a very active and creative student in my laboratory during her Ph.D. study (2017-2021). Her scientific topic was "Psychoactive compounds in aquatic environment and their effects on fish". During her study, she was responsible for conducting several demanding experiments focused on evaluating the effects of selected pharmaceutical substances on fish. She gained significant experience with processing and evaluation of fish histological samples and behavioral testing using fish as a model organism. She completed an internship focused on fish histopathology in the Centre for Fish and Wildlife Health, Vetsuisse-Fakultät, Bern (Switzerland) under the supervision of Dr. Heike Schmidt-Posthaus. She obtained and successfully solved a research project of the Internal Grant Agency of the University of South Bohemia. She is able to process the obtained results independently, present them at scientific conferences, seminars and publish them. She published her articles included in her PhD Thesis in the prestigious scientific journals Chemosphere and Ecotoxicology and Environmental Safety. She also used her experience in the field of histological analysis to critically comment on an article by other authors published in the prestigious scientific journal Water Research. The Comment was accepted and published in this journal. All these papers, the Comment and then one manuscript are included in the PhD Thesis. Eugenia was awarded for the best PhD presentation in the field at our faculty students' seminars in 2018, 2019 and 2020. She actively participated in leading students during summer schools.

As her supervisor, I have had an opportunity to observe her participation and interaction in my laboratory. She is an outstanding student in all respects. Work presented in her thesis significantly contributed to our knowledge of effects of psychoactive compounds present in aquatic environment on fish. I think that Eugenia has an excellent scientific potential. From my point of view Eugenia Sancho Santos is fully qualified for defense of her PhD Thesis.

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 30.4.2021

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Date and place

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surname and signature