



Confidential

Supervisor's Review of USB RIFCH PhD Thesis

Surname of the PhD student: Mahyar Zare	Name of supervisor: Assoc. Prof. Ing. Vlastimil Stejskal, Ph.D.
Title of PhD thesis: Effects of herbal derived products on growth, digestibility, body composition, immune and stress response in fish	

OVERALL COMMENTARY ON THE PhD THESIS

Mahyar's Ph.D. thesis is comprised of three papers, all of which have been published in reputable journals with impact factors ranging from 1.748 to 3.781. In all three papers, Mahyar is listed as the first author, which is a notable accomplishment. Mahyar's research has focused on the use of phytoadditives as dietary supplements for carnivorous fish. The results of their thesis demonstrate that the chosen phytoadditives have a positive impact on the growth, physiology and stress robustness of these fish. This finding is an important contribution to the field, as it sheds light on the potential benefits of using phytoadditives in fish diets. Overall, Mahyar's Ph.D. thesis is an significant accomplishment and reflects his deep understanding of fish nutrition and physiology. With the development of advanced technologies for the production of aquafeed, there is a growing demand for innovative products such as phytodaidtives to be included in real feed formulations. However, it is important to note that the use of such products is species-specific and dose-dependent, both in terms of the farmed fish and the plant species utilized. In my view, Mahyar's thesis is both scientifically rigorous and practical in its application, making it highly relevant to the commercial production of fish. The research has the potential to have a direct and positive impact on the development of the aquaculture sector. Overall, I believe that Mahyar's thesis represents an original and significant contribution to the field of aquaculture. As such, I recommend that the thesis be advanced to a Ph.D, as it has the potential to make a valuable and lasting impact in this area.

Mahyar Zare is a hardworking and proactive Ph.D. candidate who has been involved in various collaborative activities both within his laboratory and with international partners. Despite having a specific Ph.D. topic, Mahyar has published two papers on different topic (not included in PhD thesis) as the first author and co-authored nine other papers since 2020, which are not directly related to his Ph.D. research. He has collaborated with multiple universities, including the University of Torino, Chiang Mai University, Tarbiat Modares University, University of Tasmania, Zagazig University, Gorgan University of Agricultural Sciences and Natural Resources, Suez Canal University, and Urmia University. Notably, Mahyar has demonstrated his eagerness and ability to learn new techniques, such as gene expression and haematology. Based on these attributes, Mahyar is expected to have a successful research career in the future.



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and Protection
of Waters

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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

České Budějovice

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Date and place

Stejskal

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surname and signature