



Tutor's Review on Master Thesis

Faculty: Faculty of Fisheries and Protection of Waters
Institute: VURH
Student: Ege Güngör
Branch of Study: Aquaculture
Title of the Thesis: Isolation of early stages of germ cells in pikeperch (*Sander lucioperca*)
Tutor of the Thesis: Ing. Martin Pšenička, Ph.D.

Thesis assessment:

Formulation of the Thesis Objectives: (2) Objectives properly formulated

Processing Method: (2) Appropriately chosen and formulated

Comment: Author was concentrated on development of primordial germ cells too much, which was not his real topic. Nevertheless I appreciate that the development of germ cells was described well.

Data and Information Application: (1) Used data are current, information relevant and correctly applied

General Approach to the Solution: (2) Correct approach to the solution, some steps inadequate

Comment: Author could use a method for germ cells identification such as immunological detection of germ cells specific protein, but it was not his fault. We had problems to get enough samples of pikeperch testes in correct stages.

Author's Theoretical Background: (1) The author quoted significant authors and knows the theory of the issue

Work with Professional Literature (Quotations, Standard): (1) The author complied with the quotation standard in an absolutely correct way

Language Level: (1) Language level of the thesis is absolutely adequate

Accuracy of the Formulations and Work with Professional Language: (1) The author knows extensive terminology and is perfectly able to use it

Formal Arrangement – General Impression: (2) The thesis is correct in formal terms, the general impression is good

Satisfaction of the Thesis Objectives: (2) The thesis objectives have been satisfied including the partial ones

Conclusion Statement: (2) The conclusion is well stated and significant for further use

Professional Contribution of the Thesis and its Practical Application: (2) The thesis is well applicable in professional and practical terms

Comment: The results from this thesis will be very valuable for further experiments on manipulation with germ cells in pikeperch.

Rating and Recommendation

Recommended rating of the thesis: Very good

I recommend the thesis for defense: YES

Questions for the Defense

Question 1: What proteins (antibodies) can be used for identification of germ cells or germ stem cells in fish.

Question 2: Describe another method of germ stem cell isolation.

Date: 28. 05. 2015

Tutor's Signature:

