



**BIOLOGY CENTRE, ACADEMY OF SCIENCES OF THE CZECH REPUBLIC
INSTITUTE OF PARASITOLOGY**

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Supervisor's report

Petra Šarounová

Petra started her BSc project in October 2010. The project is a pilot study on the effect of temperature on cercarial emission in three freshwater trematode species. Petra had to deal with the problem that research in this field is recent and mostly focused on marine snail-trematode systems that differ from freshwater systems in a number of ways, especially in the huge amounts of emitted cercariae.

She tackled this problem by studying the main methodological approaches and carefully designing her experiment. Petra worked hard to obtain the data, following a laborious protocol that involved day and late night work in the laboratory. She grasped the methods for summarising the data, data exploration analysis and performed all calculations herself. I am confident that she will be able to work independently in subsequent experiments. In addition to her project Petra has helped us with obtaining a large number of samples for molecular study, another laborious task which she completed with precision. Unfortunately, the short period available for her project and health problems prevented Petra from learning advanced statistical methods for data analysis recently applied in the field. I hope she will be able to catch up during the development of her MSc project. One problem she encountered, was a delayed planning of thesis writing so finally she was forced to write her thesis in English (because of my poor knowledge of Czech), a problem she tackled bravely. Her command of English is good and she succeeded to both describe her results and express her thoughts.

To summarise, I am satisfied with the results of Petra's study, the standard of her thesis writing, and her approach and relations with her advisor, Miroslava Soldanova. The results are publishable in their present state so the next task for Petra will be to work on a research note. I believe the present thesis fulfils the requirements and recommend it to be accepted as a partial fulfilment of the requirements for the degree of Bachelor at the Faculty of Biology of the University of South Bohemia in České Budějovice.

České Budějovice, 28th April 2011


Aneta Kostadinova