



## THESIS EVALUATION SUPERVISOR EVALUATION

Author name: OndřejMach

Supervisor: NhungH.A.Nguyen

Thesis title: Impacts of Cerium Dioxide Nanoparticles on Freshwater Microorganisms

- A. Abstract quality, keywords matching ..... Excellent (1)
- B. Research scope and processing ..... Excellent minus (1-)
- C. Level of theoretical part ..... Excellent (1)
- D. Appropriateness of the methods ..... Excellent (1)
- E. Results elaboration and discussion ..... Excellent (1)
- F. Students own contribution ..... Excellent (1)
- G. The conclusion statement ..... Excellent (1)
- H. Fulfillment of Thesis tasks (goals) ..... Fulfilled
- I. Structure, correctness and fulness of references ..... Excellent (1)
- J. Typographical and language level ..... Excellent minus (1-)
- K. Formal quality ..... Excellent (1)  
(text structure, chapters order, clarity of illustrations)
- L. Student access (independence, activity etc.) ..... Excellent (1)

### Comments, remarks:

This is an overall comment on the student's thesis.

Ondřej's work contributed to evaluation of the impacts of new CeO<sub>2</sub> NPs on freshwater microorganisms. The data might be published and contribute to the toxicity assessment.

To make his thesis valuable and on time, Ondřej performed the work and experiments carefully as per the plan. He actively asked questions and planned his work according to the structure suggested by the supervisor and the study plan. He also suggested his ideas in result calculations and writing his thesis as well as organizing the thesis structure. Moreover, he arranged his time and met with the supervisor very often or anytime when he had questions regarding his study. Besides, he found the right expertise for explaining his results and outlined the limitations. He also helped other researchers to enlarge his knowledge.

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Overall assessment:

Ondřej performed his tasks and wrote the thesis very well. He started from the beginning and had to learn everything from technical parts including how to use pipettes, how to use microscope, take field samples, grow bacteria, etc. in the laboratory of microbiology. He effectively searched, read, learned, and understood scientific literature that is available mostly in English. Afterward, he performed experiments, and analysed and interpreted his results.

I can recommend his thesis for defense.

Questions for the defense:

- 1) What are the tests and organisms that can be applied for CeO<sub>2</sub> toxicity assessment?
- 2) What is your message to the public audience about your work?
- 3) What makes CeO<sub>2</sub> nanoparticles unique and where they can be used?

**Plagiarism checking:**

Similarity by STAG 3 % (see [www IS/STAG](http://www.IS/STAG))

Comment if similarity is above 5 %:

**Overall classification and recommendation:**

Please-select-Your-recommendation

I suggest to classify this work by grade: Excellent (1)

By signing I certify that I am not in any personal relationship with the author of the thesis

In

date

.....  
Supervisor signature

