



Přírodovědecká
fakulta
Faculty
of Science

Jihočeská univerzita
v Českých Budějovicích
University of South Bohemia
in České Budějovice

OPPONENT'S REVIEW ON BACHELOR/DIPLOMA* THESIS

Name of the student: Victoria Weijler

Thesis title: Biocontrol of slugs: Effect of slug parasitic nematodes and bacterial metabolites on harmful slugs

Supervisor: Ing. Jiří Nermuť, Ph.D.

Referee: Ing. Oxana Skoková Habuštová, Ph.D.

Referee's affiliation: Biology Centre CAS, Institute of Entomology

	Point scale ¹	Points
(1) FORMAL REQUIREMENTS		
Extent of the thesis (for bachelor theses min. 18 pages, for masters theses min. 25 pages), balanced length of the thesis parts (recommended length of the theoretical part is max. 1/3 of the total length), logical structure of the thesis	0-3	3
Quality of the theoretical part (review) (number and relevancy of the references, recency of the references)	0-3	3
Accuracy in citing of the references (presence of uncited sources, uniform style of the references, use of correct journal titles and abbreviations)	0-3	3
Graphic layout of the text and of the figures/tables	0-3	3
Quality of the annotation	0-3	3
Language and stylistics, complying with the valid terminology	0-3	3
Accuracy and completeness of figures/tables legends (clarity without reading the rest of the text, explanation of the symbols and labeling, indication of the units)	0-3	2
Formal requirements – points in total		20
(2) PRACTICAL REQUIREMENTS		
Clarity and fulfillment of the aims	0-3	3
Ability to understand the results, their interpretation, and clarity of the results, discussion, and conclusions	0-3	2
Discussion quality – interpretation of the results and their discussion with the literature (absence of discussion with the literature is not acceptable)	0-3	3
Logic in the course of the experimental work	0-3	3

* Choose one

¹ Mark as: 0-unsatisfactory, 1-satisfactory, 2-average, 3-excellent.

Completeness of the description of the used techniques	0-3	3
Experimental difficulty of the thesis, independence in experimental work	0-3	3
Quality of experimental data presentation	0-3	1
The use of up-to-date techniques	0-3	3
Contribution of the thesis to the knowledge in the field and possibility to publish the results (after eventual supplementary experiments)	0-3	3
Practical requirements – points in total		24
POINTS IN TOTAL (MAX/AWARDED)	48	(0-48) ²

Comments of the reviewer on the student and the thesis:

The submitted bachelor thesis is very well prepared from a formal point of view. It comprises 32 pages and thus corresponds more to the requirements of a master's thesis.

The structure of the thesis is divided into seven main chapters: Introduction, Literary Overview, Material and Methods, Results, Discussion, Conclusion, and References, according to the requirements for a bachelor thesis.

In the Introduction, the author outlines the topic of slugs and the general direction of the thesis. The introductory part is followed by an 8-page literature review, which presents a cross-section of the topics related to the research topic, usefully organized according to the characteristics of slugs, their chemical, mechanical and biological regulation, and a description of bioagents and metabolites used in the work. At the same time, I evaluate very positively the author's detailed survey of the topic using recent foreign sources.

The objective of the work is clearly defined and comprehensible.

The chapter Materials and Methods is accurate with appropriately supplemented tables and original figures. This meaningful union is comparable with the methodological part of scientific publications.

The Results chapter is precisely prepared and supplemented with graphs. However, for future presentations, I would appeal to using a different graphical presentation of the results that are rather difficult to follow in this form.

The Discussion chapter compares the obtained results with previously published data. Despite the novelty of the topic, this chapter is sufficient.

The Conclusion chapter adequately summarizes the obtained results.

The extent of References (5.5 pages) is more than sufficient for a bachelor's thesis. It includes crucial works related to the topic as well as other foreign sources. The references' format is consistent and meets global citation standards.

To conclude, the submitted bachelor thesis is of a very high standard. It should be emphasized that it was a methodologically very demanding topic, especially in terms of time and precision during the processing of samples and data collection which the author handled excellently.

Suggestions and questions, to which the student has to answer during the defense.

Mistakes, which the students should avoid in the future:

This bachelor thesis has great potential for the future, especially in terms of protecting agricultural and horticultural crops from invasive slug species such as *Arion vulgaris*. Therefore, it would make sense for

² Enter the number of points awarded.

the author to continue slug research in her master's program after gaining practical experience in her bachelor's program.

Conclusion:

In conclusion, I

r e c o m m e n d

the thesis for the defense and I suggest the grade Excellent.³

In České Budějovice date 13. 9. 2023

Ing. Skoková Habuštová Oxana, Ph.D.

signature —

³ You can suggest a grade, which can be modified during the defense based on the presentation. However, if the reviewer is not present at the defense, the grade will not be counted. Grades: excellent (1). Very good (2), Good (3), Unsatisfactory/failed (4).