



Přírodovědecká
fakulta
Faculty
of Science

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

SUPERVISOR'S STATEMENT ON BACHELOR/~~DIPLOMA~~^{*} THESIS

Name of the student: Victoria Weijler
Study program: Biological Chemistry
Department/Institute: Institute of Chemistry
Thesis title: Biocontrol of slugs: Effects of Slug Parasitic Nematodes and Bacterial Metabolites on harmful slugs

Supervisor: Jiří Nermuť
Supervisor's affiliation: Biology Centre CAS, Branišovská 1160/31, 370 05 České Budějovice, Czech Republic

	Point scale ¹	Points
(1) FORMAL REQUIREMENTS		
Formal and graphical quality of the thesis	0-3	3
Ability to work with literature	0-3	3
Language and stylistics	0-3	3
Formal requirements – points in total		9
(2) PRACTICAL REQUIREMENTS		
Fulfillment of the aims	0-3	3
Ability to understand the results, their interpretation, and clarity of the results, discussion, and conclusions	0-3	3
Discussion quality – interpretation of results and their discussion with the literature	0-3	2
Experimental difficulty of the thesis, independence in experimental work	0-3	3
Contribution of the thesis to the knowledge in the field and the possibility to publish the results (after eventual supplementary experiments)	0-3	3
Practical requirements – points in total		14
POINTS IN TOTAL (MAX/AWARDED)		
	24	23²

* Choose one

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

² Enter the number of points awarded.

Comments of the supervisor on the student and the thesis:

Presented bachelor thesis aims the biocontrol of slugs by using secondary metabolites of the bacteria *Xenorhabdus* sp. and monoxenic cultures of *Phasmarhabditis hermaphrodita* or other closely relative species. In the introduction part student summarized basic knowledge about the molluscs as pests, slug-parasitic nematode, entomopathogenic nematodes and their symbiotic bacteria with the focus on secondary metabolites. The work represents the first research in this area, bacterial metabolites vs. slug pests. This work is part of our long-term research interest. Results obtained by Victoria Weijler and presented in this thesis will be published as standard research paper in peer reviewed journal. Recently the paper is after revision in Biological Control. We expect that manuscript will be published till the end of this year.

Within the work on thesis Victoria Weijler read and studied wide range of relevant sources, that represent significant part of the knowledge in the field of entomopathogenic nematodes, their bacterial metabolites and biological pest control. Student worked in the lab independently and was reliable member of our research team. She is able to manage all the methods described in the thesis on excellent level and is able to work without any assistance. Presented work can be considered as very good and valuable contribution to our knowledge in the field and I can definitely recommend it for defense.

Conclusion:

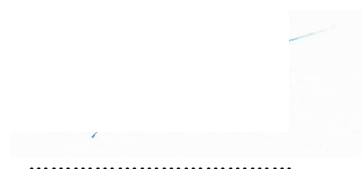
In conclusion, I

r e c o m m e n d / ~~d o n o t r e c o m m e n d~~*

the thesis for the defense.

In České Budějovice

date 23.8.2023

A rectangular box containing a handwritten signature in blue ink. The signature is stylized and appears to be 'V. Weijler'.

signature