



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: Jana Seiter

Study program: Biological Chemistry

Department/Institute: Biology Centre CAS

Thesis title: Antifungal potential of volatile compounds produced by a selection of Actinobacteria against fungal phytopathogens

Supervisor: Adam Ossowicki/Roey Angel

Supervisor's affiliation: Biology Centre CAS

	Point scale ¹	Points
(1) FORMAL REQUIREMENTS		
Formal and graphical quality of the thesis	0-3	2
Ability to work with literature	0-3	3
Language and stylistics	0-3	3
Formal requirements – points in total		8
(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	2
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		13
POINTS IN TOTAL (MAX/AWARDED)		
	24	21

* Choose one

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

Comments of the supervisor on the student and the thesis:

In this study, Jana Seiter explored the antifungal potential of volatile compounds produced by a selection of Actinobacteria. To test that the Actinobacteria were grown on a split agar plate with pathogenic fungi of the genus *Fusarium* or *Geotrichum* and the zones of inhibition was measured. Despite the simplicity of the system, Jana performed the experiments in a very meticulous fashion and produced very interesting and reliable results including novel findings. In addition to superb lab skills, Jana also demonstrated that she is a true scholar and was able to synthesize her results and discuss them in the light of the literature on a much higher level than what is expected from a bachelor's student.

Conclusion:

In conclusion, I recommend the thesis for the defense.

In České Budějovice date 24.08.2022

.....