



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

SUPERVISOR'S STATEMENT ON BACHELOR/DIPLOMA* THESIS

Name of the student: Theresa Wurzer
Study program: Cross-Border Study of Biological Chemistry
Department/Institute: Institute of Chemistry and Biochemistry
Thesis title: The interaction of Streptomyces-like bacteria and model microorganisms in secondary metabolite production, motility and hemolytic activities - Experimental

Supervisor: Alica Chroňáková
Supervisor's affiliation: Institute of Soil Biology, Biology Centre CAS

	Point scale ¹	Points
(1) FORMAL REQUIREMENTS		
Formal and graphical quality of the thesis	0-3	3
Ability to work with literature	0-3	2
Language and stylistics	0-3	2
Formal requirements – points in total		7
(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	2
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		13
POINTS IN TOTAL (MAX/AWARDED)	24	20²

* 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:

The thesis is based on co-cultivation experiments of soil or clinical streptomycetes strains with selected clinical putative pathogens. Main aim was to compare various biological activities of soil and clinical streptomycetes to identify the specific adaptation of clinical ones. The experimental work required well organized student which will face the challenge to compile large set of various data. From my point of view, Theresa made a great job in data management and evaluation. She was trained mainly in microbiology lab and is experienced with cultivation of bacteria, including streptomycetes. Additionally, she gained some experience with molecular biology techniques (DNA extraction, PCR, gel electrophoresis, etc.).

During the stay in our group, the student worked independently with precision. In her thesis, worked quite independently on literature review and methods, and she brought the ideas how to present and describe the results. She discussed obtained results with those (quite little) known from literature. Main findings are presented in a clear way, and I hope they may contribute to the knowledge about human-associated streptomycetes and their putative role in human microbiome.

Conclusion:

In conclusion, I

~~recommend / do not recommend*~~

the thesis for the defense.

In Ceske Budejovice date 6.9.2019



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signature