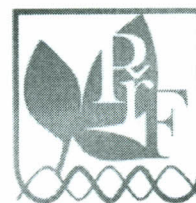




UNIVERSITY OF SOUTH BOHEMIA  
IN ČESKÉ BUDĚJOVICE

Faculty of Science



STATEMENT OF THE BACHELOR/DIPLOMA \* THESIS SUPERVISOR

Name of the student: **Lukas Penz**

Study programme: **Biological Chemistry**

Department/Institute: **Department of Ecosystem Biology**

Thesis title: **Role of methanogens in biogas production plants**

Supervisor: **Ing. Jiří Bárta, Ph.D.**

Supervisor's affiliation: **Department of Ecosystem Biology, Faculty of Science, University of South Bohemia**

	Point scale <sup>1</sup>	Points
<b>(1) FORMAL REQUIREMENTS</b>		
Formal and graphical quality of the thesis	0-3	2
Ability to work with literature	0-3	2
Language and stylistics	0-3	2
Ability to understand the results, their interpretation, and clarity of the results, discussion, and conclusions	0-3	2
Formal requirements – points in total		8
<b>(2) PRACTICAL REQUIREMENTS</b>		
Fulfillment of the aims	0-3	NA
Discussion quality – interpretation of results and their discussion with the literature	0-3	NA
Logic in the course of the experimental work	0-3	NA
Experimental difficulty of the thesis, independence in experimental work	0-3	NA
Contribution of the thesis to the knowledge in the field and possibility to publish the results (after eventual supplementary experiments)	0-3	NA
Practical requirements – points in total		
<b>POINTS IN TOTAL (MAX/AWARDED)</b>	<b>27</b>	<b>0-27<sup>2</sup></b>

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

\* Choose one

<sup>1</sup> Mark as: 0-unsatisfactory, 1-satisfactory, 2-average, 3-excellent.

<sup>2</sup> Enter the number of points awarded.

**Eventual mistakes, which have to be corrected:**

**Eventual additional comments of the supervisor on the student and the thesis:**

Lukas came to me in October 2011 and he wished to write Bc. thesis about methanogens and biogas production. He wanted to finish and defend his Bc. thesis in January 2011. I recommend Lukas to prolong the defense till June 2011. However, this date was not realistic as well as I found lately. At the beginning Lukas was quite interested and enthusiastic for his Bc. topic and I was optimistic after our first meeting. I also recommend him to write only theoretical thesis, since there was little time for any practical experiments. It is also consistent with our department philosophy, that students first need to understand the topic and gaps in knowledge in the field they want to study so when they continue to MSc. they now better what they want to study and what type of experiments and methods they will use.

However, new year 2012 came and also quite a long still silence between Linz and Ceske Budejovice. When I saw the first versions of Lukas Bc. which were more or less rewritten parts of textbook Biology of Microorganisms about general aspects of methanogenesis. I recommend Lukas to prolong the defense even more to Jan 2013. From my point of view it was a right decision because Lukas improved quite well. He finally had time to read relevant articles and he learned how to work with literature and online resources.

To sum up I am happy with Lukas improvement and I recommend Lukas Bc. thesis too defense.

**Conclusion:**

**In conclusion, I**

**r e c o m m e n d / ~~do not recommend~~\***

**the thesis for the defense and I suggest the grade very good .**

In České Budějovice date 24.1.2013

  
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signature