



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: Hanna Angster

Study program: Biological Chemistry

Department/Institute: Chemistry

Thesis title: The effect of cutting and fertilization under controlled conditions on photosynthesis and plant growth of two wet grassland species (*Carex canescens* and *Phalaris arundinacea*) representative of the competitive and conservative plant functional types

Supervisor: Keith Edwards

Supervisor's affiliation: Department of Ecosystem Biology

	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	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	2
Contribution of the thesis to the knowledge in the field and the possibility to publish the results (after eventual supplementary experiments)	0-3	2
Practical requirements – points in total		11

* Choose one

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

Comments of the supervisor on the student and the thesis:

Hanna started her study with us in 2021, working mostly with my doctoral student Bernhard Glocker. For this, she studied the effect of nutrient addition and cutting on the chlorophyll fluorescence, photosynthesis rate and growth of two wet grassland plant species. Hanna took the measurements after an initial training period. She analyzed the collected data mostly on her own although there were those rare instances when she was unsure which statistical test to use for a given situation. Hanna conducted the literature survey on her own with oversight by me and Bernhard.

Hanna conducted the work well, albeit with one distinct problem, which she elaborated in her defense. The problem with a lack of randomization of the chlorophyll fluorescence measurements was the result of my absence due to my recovering from a hernia operation. However, the positive result of this is that Hanna has learned the importance of randomization, a lesson she is likely not to forget. In addition, she has learned about mid-day depression. Therefore, this mistake can and likely will be a good learning experience.

Overall, Hanna did good work. She met all of the requirements satisfactorily and in a timely manner. For this, and for all of her work and effort, I recommend that she pass with a grade of 2.

Conclusion:

In conclusion, I

r e c o m m e n d

the thesis for the defense.

In České Budějovice date 13.6.2023

² Enter the number of points awarded.