

## Tutor Evaluation of Bachelor Thesis

**Author Name:** Lea Žilinská, BGI 3, B0512A130007

**Thesis Title:** “Actin cytoskeleton organization in root parasitic plants at early developmental stages”

**Tutor Name:** Yuliya Krasylenko, PhD, Department of Biotechnology, Faculty of Natural Sciences, UPOL

Criteria N.	Evaluation criteria	Points (0-5)
1	Work activity	5
2	Interest in thesis topic (frequency of discussions with the tutor, knowledge of relevant scientific literature)	4
3	Manual skills	5
4	Diligence and reliability	5
5	Evaluation and interpretation of experimental results	4
6	Independence during thesis writing	4
Total points		27

Max.  
30


### Comments and questions to the thesis:

During the completion of her thesis, Lea Žilinská prepared a comprehensive overview of literature on the ‘state-of-the-art’ of root parasitic plants research supported by relevant bibliography, became familiar with microscopy techniques (ZOOM stereomicroscopy, epifluorescence and laser scanning microscopy), several histochemical approaches (phalloidin labeling of actin filaments, BODIPY staining of neutral lipids and others) as well as vacuum filtration for the aseptic *in vitro* germination of “dust” seeds. In the experiments, Lea Žilinská strived to adapt and optimize several methods for such a non-conventional object as holoparasitic plant *Aeginetia indica*. In the preparation of the thesis, the student worked systematically, provided a regular feedback and improved both the text and figures based on my recommendations. It is worth to be mentioned that Lea Žilinská decided to write her thesis in English and I deeply appreciate her efforts.

However, more independence in the experimental work and in-depth analytical processing of the primary data will be very desirable for her future research. It will be my pleasure to supervise Lea Žilinská once again during her master studies and focus our research on the organization of microtubules of root parasitic plants at early developmental stages.

**Conclusion: I recommend this thesis for defence.**

In Olomouci on May 19, 2022 .....

Signature:  (Y. Krasylenko)

Thesis evaluation according to total points:

A – 26-30

B – 21-25

C – 16-20

D – 11-15

E – 6-10

F – 5 and less