

Reviewer Evaluation of Bachelor Thesis

Author Name: Eliška Mihačová

Thesis Title: Application of ultra-weak photon emission imaging in plant research

Reviewer Name: Renuka Ramalingam manoharan M.Sc., PhD.
Department of Biophysics,
Faculty of Science,
Palacky University, Olomouc.

Criteria n.	Evaluation Criteria	Points (0-5)
1	Completeness and timeliness of the literature search	5
2	Quality of the introductory part (number of used original articles, the suitability of literature selection)	5
3	Fulfilment of thesis goals	5
4	Logics of literature search or experimental work approaches	5
5	Completeness of methods and protocols description	5
6	Level of results presentation (suitable choice of graphs and tables etc.)	4
7	Adequate interpretation of obtained results and their discussion	4
8	Conciseness of thesis summary in English language	5
9	Graphical editing of text and images	4
10	Language and stylistic level, respect of valid nomenclature	5
11	Correctness and completeness of figure and table legends (intelligibility without regard to the main text, correct explanation of used symbols and units)	5
12	Correct usage of citation references (presence of non-cited data, compliance with a unified citation style, utilization of official journal names abbreviations)	5
Total points		57

max
60

Specific comments and questions to the thesis (please use additional sheets if necessary):

The thesis presents a well organized with structured review of current state of knowledge about the topic under study. The objectives presented are well defined and methodologies were clearly described. The thesis demonstrates author's understanding and command of recent literature for the Bachelor level. The candidate has found the most relevant literatures and made use of it in preparing a well structured information throughout the thesis. Experimentation part shows authors efforts in comparing various abiotic stress conditions and relating its results. The reference were done according to university standards.

One suggestion for improvement could be construction of table for better presentation of comparative results and inclusion of summary related to future prospects of this non invasive technique in plant research. The logic is thorough and reasoning good. Overall, the thesis is satisfactory for this level and fulfils the requirement as established by the department.

Errors required to be corrected:


Minor corrections:

- 1) If figure 1 is adapted from literature, kindly include the reference.
- 2) Alignment of text with throughout the thesis need to be considered.

Conclusion: I recommend / do not recommend this thesis to defence.

I recommend the thesis for defence

In Olomouc on: 02/06/22


2/6/22
Signature

Thesis evaluation according to total points:

- A- 56-60
- B- 51-55
- C- 46-50
- D- 41-45
- E- 36 -40
- F- 35 and less