



## REVIEW OF THESIS REVIEWER'S THESIS REPORT

**Study programme:** Zemědělské inženýrství

**Field of study:** Multifunctional Agriculture

**Academic year:** 2021/2022

**Thesis name:** Study of allelopathic effects of common millet on other plants

**Student's name:** BSc. Lucky NWAJEI

**Department:** Plant production

**Supervisor:** Jana Pexová Kalinová

**Reviewer:** Naděžda Vrchotová

**Reviewer's workplace:** Ústav výzkumu globální změny AV ČR, v.v.i. (Global Change Research Institute CAS)

| Criteria                                                                | Evaluation |   |   |   |   |   | Evaluation not possible |
|-------------------------------------------------------------------------|------------|---|---|---|---|---|-------------------------|
|                                                                         | A          | B | C | D | E | F |                         |
| 1 Meeting the requirements of the assignment                            | X          |   |   |   |   |   |                         |
| 2 Work with information sources and scientific literature               |            |   | X |   |   |   |                         |
| 3 Suitability of solution methodology                                   | X          |   |   |   |   |   |                         |
| 4 Use of results processing methods                                     | X          |   |   |   |   |   |                         |
| 5 Interpretation of results and discussion                              | X          |   |   |   |   |   |                         |
| 6 Aim formulation of the qualification thesis                           | X          |   |   |   |   |   |                         |
| 7 Language processing and work with professional text                   |            |   | X |   |   |   |                         |
| 8 Professional level of work                                            |            | X |   |   |   |   |                         |
| 9 Formal arrangement                                                    |            | X |   |   |   |   |                         |
| 10 Evaluation of the possibility of practical use of the thesis results |            |   |   |   |   |   | X                       |

Mark the rating by X (serves to determine the final classification; A = 1, B = 1-, C = 2, D = 2-, E = 3, F = 4)



**Specific comments and questions to the thesis defence:**

**Page 17 (1.2.2. Types of Allelopathy)**

The author refers to the publication of Seema et al. (2018) but does not cite the definitions, but creates their own definitions, some of the wording of which does not make sense.

For example:

True allelopathy, Functional allelopathy...

Can the thesis author provide the correct definitions?

It is not clear why the author uses the term "climate" instead of "environment"?

Can the author provide a definition of climate?

**Page 24 (3.3. Laboratory Experiment)**

The autor writes: „A division of the collected plants was made with leaves separated into parts, the stems separated into parts, and the roots as well.“

Did the author mean to divide the plant into stems, leaves, roots...?

The autor writes: „After 5 days of incubation, seeds which germinated with radicles larger than 1 mm were noted, root and shoot lengths were also recorded, and the weight of fresh and dried (105°C 24 hours) seeds was determinated.“

Does the author mean the weight of germinated seeds?

The autor writes: „Each donor variety extract was delivered to each petri dish in six millionths of a liter (or one-third of its full strength), with distilled water (5 ml) serving as the control.“

Can the author explain what he meant?

Graph 4.5: ... stem extracts..., but in text a few lines below is a leaf extract...

**I recommend the qualification work to the thesis defence (YES/NO): YES**

**Proposed final classification:**

**very good**

(excellent, very good, good, did not comply)

Date: 24. 04. 2023

Signature: