

CZECH UNIVERSITY OF LIFE SCIENCES PRAGUE

Faculty of Tropical AgriSciences

Evaluation of the Diploma Thesis by Opponent

Thesis Title **Comparison of aromatic compounds in jasmine rice of different origin**

Name of the student **Bc. Aneta Kašíková**

Thesis supervisor **Ing. Olga Leuner, Ph.D.**

Department **Department of Crop Sciences and Agroforestry**

Opponent **Ing. et Ing. Lucie Jurkaninová, Ph.D.**

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|--|-------------------------------------|-------------------------------------|-------------------------------------|-------------------------------------|----------|
| Formulation of the aims | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | |
| Appropriate research methods | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | |
| Fulfilment of the aims | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | |
| The scientific contribution of the thesis and originality | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | |
| The theoretical background of the author (literature review, theoretical background) | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | |
| Data analysis | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | |
| Handling with scientific literature (relevant citations) | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | |
| Argumentation and critical thinking | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | |
| Abstract and keywords | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | |
| Structure of the chapters and paragraphs | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | |
| Accuracy of terminology and comprehensibility | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | |
| Formatting, layout and general impression | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | |
| Evaluation of the work by grade (1, 2, 3, 4) | | | | | 3 |

Evaluation: 1 = the best

Date 19/05/2023

el. signed by Ing. et Ing. Lucie Jurkaninová, Ph.D. on 19/05/2023 15:50
Signature of Opponent

Other comments or suggestions:

The presented thesis deals with the comparison of aromatic components in jasmine rice of different origin. In the literature review, the author also discusses the characteristics of rice, the chapter is very interesting, but it could be more developed. The methodology describes sample collection, sample preparation, and analysis. The results are properly processed and evaluated.

The discussion chapter is completely devoid of any discussion. Comparison of own results with other studies and with the conclusions of other authors is missing. I ask the committee to consider inserting a letter of correction in the final thesis.

Despite the above-mentioned serious faults, I recommend the thesis for final thesis defence and assess it with a grade good.

Questions for thesis defence:

- 1) What explains the absence of the presumed key substance (2-acetyl-1-pyrroline) in the rice samples you analysed?
- 2) Have you found any other significant substances that have a major effect on the aroma of rice?
- 3) Since you have not identified the presumed key substance, can you recommend any other key substances based on the above results and literature sources?
- 4) Have you found an effect of the cultivation system on the aromatic compounds content?
- 5) Can you explain the absence of a comparison of your results and discussion?
- 6) I ask the author of the thesis to compare the main results of the thesis with the results from the literature in the presentation of the thesis during the final defence.

Date 19/05/2023

el. signed by Ing. et Ing. Lucie Jurkaninová, Ph.D. on 19/05/2023 15:50
Signature of Opponent