Supervisor's Review of a Master's thesis

Student's name and surname:	Taha Jumaah
Degree programme:	N0712A030002 Environmental Engineering
Degree course:	
Specialization (if the degree course is divided into specializations):	
Department:	Department of Environmental Protection Engineering
Supervisor of the Master's thesis:	doc. Ing. Jiří Pecha, Ph.D.
Academic year:	2022/2023

Title of the Master's thesis:

Analytical Monitoring of Triglyceride Ethanolysis Reaction

Assessment of the Master's thesis using the ECTS grading scale:

Assessment criteria	Assessment according to the ECTS
1. Topicality of the literature sources consulted	**B – Very good**
2. Application of knowledge gained from literature	**B – Very good**
3. Theoretical aspect dealt with in the thesis	**A – Excellent**
4. Description of experiments and implementation methods	**B – Very good**
5. Level of quality of processing of the results	**A – Excellent**
6. Interpretation of the results achieved and discussion thereof	**B – Very good**
7. Formulation of the conclusion of the thesis	**A – Excellent**
8. Student's approach to the Master's thesis	**A – Excellent**

I recommend the submitted thesis for defence and propose the following assessment:

A – Excellent

Comments on the Master's thesis:
The thesis was devoted to the development and validation of an analytical method suitable for on-line monitoring of triglyceride ethanolysis reaction. This aim required considerable amount of research and was successfully achieved as is documented in the thesis.
I appreciate the student was able to work independently and with a lot of enthusiasm, which eased research works and overall, the cooperation. Specifically, the student learned R software environment used for data evaluation completely on his own and brought to the work application of the 2D-COS technique.
On the other hand, the work suffered from time stress during its finalisation which resulted in few formal insufficiencies which could have been eliminated by further editing. In addition, I see space for improvement also in the area of literature processing and evaluation.
From the formal point of view, the Theses.cz system has detected percentage of similarity with other documents amounting to a maximum of 6 %. Consequently, the thesis was not plagiarized.

Overall, the work brings novel findings applicable at an industrial level and it is planned to utilize part of gained results in paper being actually prepared for publication in journal with impact factor.

Therefore, it is my pleasure to recommend submitted thesis for defence with classification "A-Excellent".

Questions to be asked by the Master's thesis supervisor:

In Zlín on **26. 05. 2023**

Signature of the Master's thesis supervisor