

CZECH UNIVERSITY OF LIFE SCIENCES PRAGUE

Faculty of Tropical AgriSciences

Evaluation of the Diploma Thesis by Opponent

Thesis Title **Proposal of proper technology for the Arsenic level control in the water in the area Kushtia, Bangladesh**

Name of the student **B.Sc. Arafath Jahan**

Thesis supervisor **doc. Ing. Vladimír Krepl, CSc.**

Department **Department of Sustainable Technologies**

Opponent **Ing. Martin Neruda, Ph.D.**

Formulation of the aims	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Choice of suitable 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"/>	
Scientific contribution of the thesis	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Originality of the thesis	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Theoretical background of the author	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Handling with data and information	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Handling with scientific literature (citations)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Argumentation and critical thinking	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input 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 checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Comprehensibility of the text	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Accuracy of the terminology	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Quality of scientific language	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Formatting, layout and general impression	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Evaluation of the work by grade (1, 2, 3, 4)					2

Evaluation: 1 = the best

Date 16/09/2019

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Signature of Opponent

Other comments or suggestions:

Groundwater pollution by arsenic is well described in the thesis, I would miss information, if there is any river water or river sediment monitoring for arsenic pollution in Banglades.

Questions for thesis defence:

- 1) Are the SONO arsenic filters used in Banglades? Do you think it can be used in big scale in Bangladesh?
- 2) For water disinfection could it be used UV? What is better solution in Bangladesh (chlorination, UV)?



Date 16/09/2019

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Signature of Opponent