



## Bachelor thesis supervisor's review

**Master thesis:** Description and Analysis of the Mathematical Model of Impedance Characteristics of Nanoparticle Covered Interdigitated Sensors

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**Thesis supervisor:** RNDr. Ilona Ali Bláhová, Ph.D.

Rating (1 – 5)  
(1 = best; 5 = worst):

1. Fulfillment of assignment requirements:	<input type="text" value="1"/>
2. Self-reliance and initiative during the thesis solution:	<input type="text" value="1"/>
3. Systematic solutions of individual tasks:	<input type="text" value="1"/>
4. Ability to apply knowledge and to use literature:	<input type="text" value="1"/>
5. Collaboration and consultations with the thesis supervisor:	<input type="text" value="1"/>
6. Thesis formal and language level:	<input type="text" value="1"/>
7. Thesis readability and structuring:	<input type="text" value="1"/>
8. Thesis professional level:	<input type="text" value="1"/>
9. Conclusions and their formulation:	<input type="text" value="1"/>
<b>10. Final mark evaluation (A, B, C, D, E, F):</b>	<input type="text" value="A"/>
<b>verbal:</b>	excellent

### Brief summary evaluation of the thesis (compulsory):

The bachelor thesis is a part of the research project that is focused to drug detection using IDT sensors. The introduction of the theses is focused to description of a method of measurement that is the electrochemical impedance spectroscopy. This method is very nicely described from the theoretical point of view. The main part of the theses is focused to data analysis with usage of two different free softwares. Before the calculation of parameters it was important to choose a proper equivalent circuit. Then advantages and disadvantages of each software have been discussed very nicely. The goal of the bachelor thesis was fulfilled.

Date: 7. 6. 2019

Signature:



Notes:

- 1) The total thesis evaluation needn't be determined by the partial evaluations average.
- 2) The total evaluation (item 8) should be from the following scale:

excellent	very good	good	satisfactory	sufficient	insufficient
A	B	C	D	E	F