



OPPONENT ASSESSMENT OF DIPLOMA THESIS

Student's name: Vikash Neelakandan

Title of thesis: The Study of changes in surface energy of fibre layers

Thesis supervisor: Ing. Radek Jirkovec

Opponent: Ing. Tomas Kalous, Ph.D.

1. Evaluation of diploma thesis

Evaluation	A	A-	B	B-	C	F
Fulfillment of aim and the assignment of work			X			
Choice of keywords	X					
Quality of the research part		X				
Methodology of the work			X			
Evaluation of the typographic level of the work. The correct division into subchapters					X	
Evaluation of the stylistic level of the work					X	
Consistency in explaining the meaning of abbreviations and symbols		X				
Correct quotation of the sources	X					

Mark correct grade by using **x** in the corresponding cell.

The overall subjective evaluation gives the final assessment of the supervisor of the diploma thesis.

The classification of work in point 5 is given verbally, not numerically, or by letter.

2. Comments and remarks on the diploma thesis

The diploma thesis was written as theoretical work due to limited access to the laboratories. Each part of the work is described only briefly and the total length of the work feels short. The quality of the images should be more consistent. Some images are too big, some are deformed, and some have a low text quality. The author should also leave out statements like: "Tiny fibers" or "huge useful". Such statements look very unscientific. The work contains a lot of small grammatical and typological mistakes (using ⁰ sign as ° when describing angle, using both fibre and fiber etc.)

3. Questions regarding diploma thesis

- 1) The work does not contain the important "Young equation". Could you write it during the defense and explain it?
- 2) Can you explain the general relation between the structure of the material's surface and the wettability of the material?





4. Opponent's statement whether the diploma thesis meets the requirements for the award of an academic degree and whether it is recommended for defense

I hereby declare that the work is suitable for the defence.

5. Classification of the opponent of the diploma thesis

B-

In Liberec, on 06.09.2021

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signature of the opponent of the diploma thesis

