



*The result of the mid-term assessment together with the justification*

*Wynik oceny śródkresowej wraz z uzasadnieniem*

*for the period 01.10.2019 to 31.08.2021*

Daria Piechowiak

the Doctoral Student at PUT Doctoral School / Doktorant Szkoły Doktorskiej PP

discipline of science / dyscyplina naukowa: materials engineering / inżynieria materiałowa

The result of assessment / Wynik oceny

Positive / Pozytywna*	Negative / Negatywna*
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Justification / Uzasadnienie

The final assessment of doctoral student is **positive** due to Miss Daria Piechowiak achievements in research, activities in results dissemination and other organizational activities, which are as follows:

1. Scientific report delivered by M.Sc. D. Piechowiak in the parts 2&3 proves that realization of her IRP is appropriately advanced to the time used for its realization taking into account fact of difficulties introduced by COVID-19 pandemic. The obtained results indicate that new (nano)materials created by Miss D. Piechowiak exhibit very interesting properties – regular crystallographic structure, higher mechanical strength and corrosion resistance, better biocompatibility and less toxic. Also the coating process of other materials may be realized in the low temperature conditions. The amount and quality of obtained results in characterization 1-component and few-components composites systems were successfully used in two articles published in high rank journals as "metals" and "Materials" in 2020 and 2021 respectively. It seems that the extended and important part of IRP was realized in quite heavy conditions caused by pandemic situation.

2. Scientific achievements reported in the Part 4<sup>th</sup> and other activity directly related to implementation within doctoral dissertation were also positively assessed as Miss D. Piechowiak is the first co-author of 2 articles published in the mentioned above high rank Journals placed on JCR list. She has also successfully applied for project in competition devoted to young scientists at Poznan University of Technology as principal investigator. Miss D. Piechowiak has not taken part in conferences during the last two years probably due to pandemic limitations. Commission members suggest to enhance activity in this form of dissemination of own results especially that she has published two above mentioned articles.

3. Her Individual Education Program (IEP) was realized fully as Miss D. Piechowiak has gained maximum ECTS points possible to obtain within the first two years of studies at the PUT Doctoral School (27 p.) and she realized appropriate participation in teaching of classes with students. The other internships or practical trainings outside PUT has to be postponed due to COVID-19 pandemic.

The obtained scientific results up to now, and publications gives a very good base for grant applications with Miss D. Piechowiak as principal investigator. We would suggest to apply for PRELUDIUM project at the first turn.

On behalf of the Commission / Za Komisję

September 14<sup>th</sup>, 2021  
Date

*Ryszard Czajka*  
.....  
Legible signature of Head of Commission  
prof. dr hab. Ryszard Czajka

\* delete as appropriate / niepotrzebne skreślić