



**UNIwersytet Humanistyczno-Przyrodniczy
IM. JANA DŁUGOSZA W CZĘSTOCHOWIE**

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Katedra Fizyki Teoretycznej, Instytut Chemii

Częstochowa, 14 March 2023

CERTIFICATE № 01-2023

of the completing scientific and didactic internship by

Dr Artem Pogodin

Inorganic Chemistry Department

Uzhhorod National University, Uzhhorod, Ukraine

This certifies that Dr Artem Pogodin has successfully completed the 180 hours (6 ECTS credits) scientific and didactic internship (six weeks from 16 January 2023 to 25 February 2023) at Department of Theoretical Physics and Institute of Chemistry, Faculty of Science and Technology, Jan Długosz University in Częstochowa, Silesia, Poland.

The topic of the scientific internship:

“Modern technology of the single crystal growth and optical properties of the new functional materials in the Mid-R”.

Dr Artem Pogodin fulfilled the internship requirements both in the didactic part since he participated in the lectures (on-line) and in the scientific part - one manuscript has been prepared and is ready to be sent to the journal with a high impact factor. Therefore, the envisaged outcome of the scientific internship as well as development of professional competencies has been fully accomplished

Due to COVID-2019 pandemic limitations and war time at Ukraine, to accomplish all research objectives, scientific internship will be performed on an online cooperative basis (distance form).

During the research internship, Dr Artem Pogodin, together with the scientists from the Department of Theoretical Physics, Faculty of Science and Technology, Jan Długosz University in Częstochowa improved skills regarding investigations

influence of the crystal structure of ternary and quaternary compounds, as the modern method of predicting their non-linear and optical properties.

DZIEKAN
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im. Jana Długosza w Częstochowie

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