



**UNIWERSYTET HUMANISTYCZNO-PRZYRODNICZY
IM. JANA DŁUGOSZA W CZĘSTOCHOWIE**

Wydział Nauk Ścisłych, Przyrodniczych i Technicznych

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Katedra Fizyki Teoretycznej, Instytut Chemii

Częstochowa, 29 July 2022

CERTIFICATE № 4-2022

of the completing scientific and didactic internship by

Professor Igor Barchiy

Head of Inorganic Chemistry Department

Uzhhorod National University, Uzhhorod, Ukraine

This certifies that Professor Igor Barchiy has successfully completed the 180 hours (6 ECTS credits) scientific and didactic internship (six weeks from 14 June 2022 to 26 July 2022) 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:

“Synthesis, technology of single crystals obtaining, crystal-chemistry, thermoelectric and optical properties of new functional materials for semiconductors technique”


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, Professor Igor Barchiy, together with the scientists from the Department of Theoretical Physics, Faculty of Science and Technology, Jan Długosz University in Częstochowa improved skill regarding new software for crystal chemical analysis of the structure of ternary and quaternary compounds based on hexaselenodiphosphates, as the modern method of predicting their thermoelectric and optical properties.

The envisaged outcome of the scientific internship as well as development of professional competencies has been fully accomplished.

KIEROWNIK
Katedry Fizyki Teoretycznej
Wydziału Nauk Ścisłych,
Przyrodniczych i Technicznych

dr hab. Michał Pasiecki, prof. UJD

DZIEKAN
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