**SERIES OF ARTICLES**

**for the degree of Doctor of Philosophy (Ph.D.) on specialty «6D072300 - Technical Physics»**

**AIMAGANBETOV KAZYBEK PIRZHANULY**

**Dissertation topic: Low temperature measurement cell for Characterisation of semiconductor optoelectronic Materials and devices.**

1. **Aimaganbetov, K., Almas, N., Kurbanova, B., Muratov, D., Serikkanov, A., Insepov, Z., & Tokmoldin, N. (2022). Electrical and Structural Characterization of Few-Layer Graphene Sheets on Quartz. Materials, 15(15), 5330.**
2. **Aimaganbetov, K., Yerezhep, D., Kishkenebayev, M., Chuchvaga, N., Almas, N., Tokmoldin, S., & Tokmoldin, N. (2024). Characterization of a Heterojunction Silicon Solar Cell by Means of Impedance Spectroscopy. Micromachines, 15(2), 184.**
3. **Chuchvaga, N., Zholdybayev, K., Aimaganbetov, K., Zhantuarov, S., & Serikkanov, A. (2023). Development of Hetero-Junction Silicon Solar Cells with Intrinsic Thin Layer: A Review. Coatings 2023, 13, 796.**