



Pryazovskyi State Technical University



Inna Oliinyk

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RESEARCHER DATA

SCIENTIFIC INTERESTS / RESEARCH AREAS

Wear-resistant cast irons with metastable austenite

ACADEMIC DISCIPLINES

Non-metallic materials
Powder and composite materials
Materials science
Materials design
3D technologies - printing
Materials for use in transport
Metrology and standardization

EDUCATION

2006 - Pryazovskyi State Technical University. Specialty 05.16.01 – Metal Science and Heat Treatment of Metals. Candidate of Science (analogues PhD).
1989 - Mariupol Metallurgical Institute. Specialty - Metal Science and Heat Treatment of Metals. Engineer.

ACADEMIC TITLES

2011 – Associate Professor - Department of Materials science, Pryazovsky State Technical University

LABOR ACTIVITY INFORMATION (THE LAST 5 YEARS)

01.01.2024 - present - Pryazovsky State Technical University - Head of Department of Materials science.
01.09.2011 - present - Pryazovsky State Technical University, Department of Materials science, Associate Professor.

OTHER POSITIONS AND ACTIVITIES



Pryazovskyi State Technical University

CERTIFICATION TRAININGS (FOR THE LAST 5 YEARS)

2023. Ministry of Education and Science of Ukraine. Priazovsky State Technical University. Institute of advanced training. Current issues of preparation of the guarantor for the accreditation of the educational program. Certificate № KPK 48-23

2021. Ministry of Education and Science of Ukraine. Priazovsky State Technical University. Institute of advanced training. Innovative approaches to teaching and learning in educational institutions. Certificate № IP 02070812/001530-21.

2020. Ministry of Education and Science of Ukraine. Zaporizhzhia Polytechnic University. The study of the latest pedagogical methods of computer design, 3-D technologies and examination of materials, achievements of science and technology, prospects for their development and implementation in the educational process. Certificate № 12.

PARTICIPATION IN INTERNATIONAL PROJECTS

2018-2021. Erasmus+: «BioArt» (586114-EPP-1-2017-1-ES-EPPKA2-CBHE-JP).
Teaching staff.

2014-2017. TEMPUS: «MATTENG» (543994-TEMPUS-1-2013-1-BE-TEMPUS-JPCR).
Teaching staff.

LANGUAGES

Native language: Ukrainian, C1

Foreign languages: Russian, C1. English, A1

PUBLICATIONS

Total number: 96

In the last 5 years: 40

1. B.V. Efremenko¹, Yu.G. Chabak, V.G. Efremenko, F. Kromka, **I.M. Olejnik**, V.A. Shalomeev, E.V. Tsvetkova, A.V. Dzherenova Laser Surface Modification of the Wrought and LPBF-Printed Biomedical Co-28Cr-6Mo alloys: Effects on nanoindentation and Tribological Behaviors. - Journal of nano- and electronic physics. - Vol. 16 No 4, 04022(8pp) (2024).
[https://doi.org/10.21272/jnep.16\(4\).04022](https://doi.org/10.21272/jnep.16(4).04022)
2. Agnieszka Bąk, Janusz Mikuła, **Inna Oliinyk**, Michał Łach. Basic research on layered geopolymers composites with insulating materials of natural origin. - Scientific Reports. - 2024. - 14:12576
<https://doi.org/10.1038/s41598-024-63442-9>
3. B.V. Efremenko, Yu.G. Chabak, E.V. Tsvetkova, A.V. Dzherenova, V.G. Efremenko, F. Kromka, V.I. Zurnadzy, **I.M. Olejnik**. Surface Laser Melting of a Carburized LPBF-Manufactured Ti-based Biomedical Grade Alloy. -2023. -Vol. 15, No 4. – P. 04035(6pp). Scopus.
4. A.P. Cheylyakh, Ya.A. Cheylyakh, **I.M. Oliinyk**, Wu Kaiming. Influence of compositions and heat treatment on the metastability of the structure and properties of wear-resistant cast irons of the system Fe-Cr-Mn-C // Stahl und Eisen. – 2021, № 4. – P. 44-50. <http://i.uran.ru>
5. A.P. Cheylyakh, E.G. Fomina, **I.M. Oleinyk**, Ya.A. Cheylyakh. Mass transfer and diffusion distribution of elements at non-equilibrium steel 20Cr13 austenitization // Metallofizika i Noveishie Tekhnologii. – 2020. – T. 42, N 2. – P. 159–173.
<https://mfint.imp.kiev.ua>



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**DATE OF
COMPLETION**

6. Gavrilova V.G., **Oliinyk I.M.** General overview and purpose of methods of metallurgical examination // Visnyk Priazov. state technical University: Coll. of science pr. Series: Technical sciences. – Mariupol: PDTU, 2019. – N 39. – pp. 46-53. <http://eir.pstu.edu/handle/123456789/1>.

01.09.2024