Pryazovskyi State Technical University

Daria Burova

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RESEARCHER DATA	https://orcid.org/0009-0000-3460-8602 https://www.scopus.com/authid/detail.uri?authorId=56711908900
SCIENTIFIC INTERESTS / RESEARCH AREAS	Increasing the mechanical properties of steels by heat treatments, including exposure to the intercritical temperature interval (ITI)
ACADEMIC DISCIPLINES	Fundamentals of Scientific Research Effective Group Communication and Presentation Skills New Scientific Directions in Materials Science
EDUCATION	2016 - Azov State Technical University. 05.16.01 Metallurgy and heat treatment of metals and alloys. Candidate of technical sciences. 2012- Azov State Technical University. Materials science. Master's degree in applied materials science.
ACADEMIC TITLES	2024- Azov State Technical University Docent
LABOR ACTIVITY INFORMATION (THE LAST 5 YEARS)	01.09.2025 – present - State Higher Educational Institution "Priazovsky State Technical University" - acting associate professor of the Department of Materials Science and Advanced Technologies 01.09.2017 – 31.08.2024 - State Higher Educational Institution "Priazovsky State Technical University" - senior lecturer of the Department of Materials Science and Advanced Technologies, associate professor of the Department of Materials Science and Advanced Technologies

Pryazovskyi State Technical University

	01.09.2022 - 31.08.2025- LLC "Technical University "Metinvest Polytechnics", associate professor of the Department of Materials Science and Applied Mechanics
OTHER POSITIONS AND ACTIVITIES	
CERTIFICATION TRAININGS (FOR THE LAST 5 YEARS)	2023 - internship "Scientific perspective and innovations in education: experience of the Czech Republic, Informational Economic Institute, Czech Republic 08 of February- 07 of April, 2023. Amount of hours 180 (6 ECTS credits), international certificate NCZ #136/04- 2023, April 9, 2023 2023 - international certificate of knowledge of the English language at level B2 No. 29U97G157DQ05 March 24, 2023. 2024- academic title of associate professor, Department of "Materials Science and Advanced Technologies". AD No. 014548, 02/21/2024, issued on the basis of the decision of the certification board of the Ministry of Education and Science of Ukraine
PARTICIPATION IN INTERNATIONAL PROJECTS	
LANGUAGES	Native language: Ukrainian, C1 Foreign languages: Russian, C1. English, B2, Bulgarian, B1
PUBLICATIONS	**Total number: 85** **In the last 5 years: 20**

1. Malinov L.S. Increasing the Wear Resistance of Graphitized Steel by Obtaining Metastable Austenite in the Structure/ L.S Malinov, V.D. Gomanyuk, D.V. Burova,P.A. Yarovaya// Journal of Friction and Wear – 2021. – Vol. 42, No 2. P. 91-95
2. Malinov L.S. Improving the properties of steels by an ecological method of isothermal and step hardening./ L.S. Malinov, V.L. Malinov, D.V. Burova// New materials and technologies in metallurgy and mechanical engineering: science. magazine. Zaporizhzhia: "ZNTU", 2021. No. 1. - pp. 29-35.
3. Malinov L.S. Increased wear resistance of graphitized steel obtaining metastable austenite in the structure./ L.S. Malinov, V.D. Homanyuk, D.V. Burova, P.O. Yarovaya// Tranie i wear: nauch. magazine. Gomel: Izd. GNU IMMS named after V.A. White National Academy of Sciences of Belarus. 2021. Vol. 42. No. 2. P. 145 152
4. Malinov L.S. Resource- and energy-saving technologies of differentiated processing for creating gradients of the structural phase state/ L.S. Malinov, V.L. Malinov, D.V. Burova// Mariupol: PGTU, 2021. – 221 p.
5. Burova D.V. Structure and mechanical properties of a number of structural steels after heat treatment with holding in the intercritical temperature range (MKIT) / D.V. Burova // New materials and technologies in metallurgy

and mechanical engineering: scientific journal. Zaporizhzhia: "ZNTU", 2024. - No. 1 http://nmt

6. Burova D.V. Heat treatment of structural steels 20GL, 20GFL, 45G with heating in the intercritical temperature range (MKIT) to increase mechanical properties / D.V. Burova // Scientific journal Metinvest Polytechnics 3 (2025), pp. 121-126

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