



Oksana Sadova

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ABOUT ME

I am an Associate Professor in the Department of Materials Science at Lutsk National Technical University (Ukraine). I attended Lutsk National Technical University in Ukraine, where I received Master's degree (2011) and Ph.D (2015) in Materials Science. My research interests are development of tribotechnical polymer composite materials, polymer composite coatings and biocomposite materials (green composites). I'm the author or co-author over 40 scientific articles, 13 patents, 4 monographs and 1 textbook.

WORK EXPERIENCE

Lutsk National Technical University – Lutsk, Ukraine

Academic coordinator of Faculty of Custom Affairs, Materials and Technology

[01/09/2025 – Current]

Lutsk National Technical University – Lutsk, Ukraine

Associate Professor in Materials Science

[2019]

Lutsk National Technical University – Lutsk, Ukraine

Senior Lecturer

[2017 – 2019]

Lutsk National Technical University – Lutsk, Ukraine

Lecturer's Assistant

[2013 – 2017]

EDUCATION AND TRAINING

Assistant Professor in Materials science

Lutsk National Technical University [2021 – 2021]

City: Lutsk | Country: Ukraine

Ph.D in Materials science

Lutsk National Technical University [2011 – 2015]

City: Lutsk | Country: Ukraine | Website: <https://lntu.edu.ua/uk>



Master's degree in Materials science

Lutsk National Technical University [2006 – 2011]

City: Lutsk | Country: Ukraine | Website: <https://lntu.edu.ua/uk>

LANGUAGE SKILLS

Mother tongue(s): Ukrainian

Other language(s):

English

LISTENING B1 READING B1 WRITING B1

SPOKEN PRODUCTION B1 SPOKEN INTERACTION B1

Levels: A1 and A2: Basic user; B1 and B2: Independent user; C1 and C2: Proficient user

PUBLICATIONS

[2026]

Design of biocomposites based on a glutinous matrix with a combined content of wood flour and chopped stalks of grain crops

Authors: Kashytskyi, V., Sadova, O., Tkachuk, V., Chernota, Y., Marchuk, N. | Journal Name: Eastern-European Journal of Enterprise Technologies | Volume, Issue and Pages: Vol.1, Issue 12 (139), P. 6–14

[2024]

Designing tribotechnical epoxy composite materials reinforced with chopped fibers and modified with silicon organic varnish

Authors: Kashytskyi, V., Sadova, O., Tkachuk, V., Shehynskyi, O., Parfentyeva, I. | Journal Name: Eastern-European Journal of Enterprise Technologies | Volume, Issue and Pages: Vol. 3, Issue 12 (129), p. 19–27.

[2023]

Structuring of modified epoxy composite materials by infrared spectroscopy

Authors: Kashytskyi V. P., Sadova O. L., Melnychuk M. D., Golodyuk G. I., Klymovets O. B. | Volume, Issue and Pages: Vol. 10(1), p. C9-C16

[2023]

Intensification of the formation process of sodium sulfate-modified biocomposite materials based on the glutinous matrix

Authors: Kashytskyi V.P., Sadova O.L., Yanchuk S.L. | Journal Name: Functional Material | Volume, Issue and Pages: Vol. 30 (1), P. 35-42

[2022]

Influence of Additives Processed by Physical Fields on Tribotechnical Properties of Polymer Composites

Authors: Kashytskyi, V. Influence of Additives Processed by Physical Fields on Tribotechnical Properties of Polymer Composites | Journal Name: Lecture Notes in Mechanical Engineering | Volume, Issue and Pages: V, P. 393–403

[2020]

Cyclic Structuring of Epoxy Polymers Under the Influence of Microwave Electromagnetic Radiation

Authors: Kashytskyi V., Savchuk P., Malets V., Sadova O., Hulai O. | Journal Name: Functional Materials | Volume, Issue and Pages: Vol. 27, Issue 4, p. 786-793

[2020]

Influence of scale factor on structuring of epoxy polymer products under the action of thermal energy



Authors: Kashytskyi V., Savchuk P., Malets V., Sadova O., Boiarska I. | Journal Name: Actual Problems of Engineering Mechanics: Materials Science and Technologies | Volume, Issue and Pages: Vol. 864, P. 257-264

[2019]

The structuring of tribotechnical epoxy composite materials in the electromagnetic field

Authors: Savchuk P.P., Kashytskyi V.P., Melnychuk M.D., Sadova O.L., Myskovets S.V. | Journal Name: Functional Materials | Volume, Issue and Pages: Vol. 26, Issue 3, P. 621-628

[2017]

Structural Transformations on the Surfaces of Epoxy Composite-Steel Tribological Pair

Authors: Savchuk P.P., Kashytskyi V.P., Sadova O.L., Lyushuk O.M. | Journal Name: Powder Metallurgy and Metal Ceramics | Volume, Issue and Pages: Vol. 56, Issue 7-8, P. 448-455.

[2017]

Examining a mechanism of generating the fragments of protective film in the tribological system epoxycomposite- steel

Authors: Kashytskyi V., Sadova O., Liushuk O., Davydiuk O., Myskovets S. | Journal Name: Eastern-European Journal of Enterprise Technologies | Volume, Issue and Pages: Vol 2, Issue 11(86), P. 10-16.

[2014]

Friction Wear of Modified Epoxy Composites

Authors: Savchuk P.P., Kostornov A.G., Kashytskyi V.P., Sadova O.L. | Journal Name: Powder Metallurgy and Metal Ceramics | Volume, Issue and Pages: Vol. 53, Issue 3-4, P. 205-209

PROJECTS

[01/01/2024 – 31/12/2024]

Participant of the scientific project STARS_CUT UA (NAWA) International internship at the Krakow Polytechnic University (Krakow, Poland) from 03/25/24 to 03/31/24.

[26/09/2023 – 05/10/2023]

Participation in 'Strengthening the role of higher education institutions in industrial transformation within the context of the Industry 4.0 paradigm in Georgia and Ukraine' Erasmus+ KA2 CBHE: 2020–2023 From 26 to 29 September 2023, participation in a study visit to KU Leuven (Ghent, Belgium) and from 3 to 5 October 2023 at Shota Rustaveli State University (Batumi, Georgia) and the State University named after Akaki Tsereteli State University (Kutaisi, Georgia) as part of the project 'Strengthening the role of higher education institutions in industrial transformation within the context of the Industry 4.0 paradigm in Georgia and Ukraine' Erasmus+ KA2 CBHE: 2020–2023.

[2013 – 2016]

"Modernization of curricula of two-level program of study (bachelors / masters) of engineering materials based competency approach and best practices for the implementation of the Bologna process" 543994-TEMPUS-1-2013-1-BE-TEMPUS-JPCR (MMATENG) Co-author of the textbook "Composite and powder materials"



INTERNSHIPS

[25/03/2024 – 29/03/2024]

Participation in scientific internship at Cracow University of Technology (Poland)

[22/03/2023 – 23/03/2023]

Participation in the MSCA seminar Doctoral Networks and Twinning: Advanced Materials & Processes and Artificial Intelligence for Sustainability (Germany)

[2017 – 2017]

Participation in scientific-educational internship at Jan Dluhos Academy in Czestochowa (Poland)

ID

ORCID

<http://orcid.org/0000-0002-6152-5447>

Scopus

<https://www.scopus.com/authid/detail.uri?authorId=56324720700>

Web of Science

<https://www.webofscience.com/wos/author/record/U-9727-2017>

Researchgate.net

https://www.researchgate.net/scientific-contributions/2154350937_Oksana_Leonidivna_Sadova