






PERSONAL INFORMATION



Valentyna Tkachuk

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 [ORCID 0000-0001-5793-5227](https://orcid.org/0000-0001-5793-5227)
Date of birth 8 September 1983 | **Nationality** Ukrainian

WORK EXPERIENCE

- 2022 – Present** **Professor of commodity science and expertise in customs**
Lutsk National Technical University - Faculty of Customs affairs, materials and technologies - Lvivska str , 75, 43018 Lutsk, (Ukraine)
Commodity Study of Fuel and Lubricants
Quality and range of fuels
- 2013 – 2022** **Associate Professor of commodity science and expertise in customs**
Lutsk National Technical University - Faculty of Customs affairs, materials and technologies - Lvivska str , 75, 43018 Lutsk, (Ukraine)
Commodity Study of Fuel and Lubricants
- 2010 – 2013** **Senior Lecturer of commodity science and expertise in customs**
Lutsk National Technical University - Faculty of Customs affairs, materials and technologies - Lvivska str , 75, 43018 Lutsk, (Ukraine)
Commodity Study of Fuel and Lubricants with particular attention of biodiesel
- 2009 – 2010** **Assistant of commodity science and expertise in customs**
Lutsk National Technical University - Faculty of Customs affairs, materials and technologies - Lvivska str , 75, 43018 Lutsk, (Ukraine)

EDUCATION AND TRAINING

- 2021** **Doctor of Technical Sciences - Dissertation Title: Formation of quality of motor fuels with use of biocomponents**
Lutsk National Technical University, Lutsk (Ukraine)
- 2005–2010** **PhD in Technical Science - Dissertation Title: Commodity evaluation of biodiesel based on rapeseed oil and isopropyl alcohol**
Lutsk National Technical University, Lutsk (Ukraine)
- 2004-2005** **Master in Commodity Expert in custom affairs**
Lutsk National Technical University, Lutsk (Ukraine)
- 2000-2003** **Bachelor in Commodity Expert**
Lutsk National Technical University, Lutsk (Ukraine)

ORGANIZATION

Jan 2021 - present **Dean of Customs Affairs, Faculty of Materials and Technologies**
Lutsk National Technical University, Lutsk (Ukraine)

Sept 2020 - Jan 2021 **Vice-rector of Lutsk National Technical University, Lutsk (Ukraine)**

SCIENTIFIC ACTIVITY AND VISITING

2023 **Member of the Project Team of LNU. HEin4.0 Project: "Strengthening the role of higher education institutions in industrial transformation in the context of the Industry 4.0 paradigm in Georgia and Ukraine"**

2023 **KTH-Royal Institute of Technology, Stockholm (Sweden). Training course: "Enhancing Higher Education". Erasmus+ KA2 CBHE project: "Strengthening the Role of HEIs in Industrial Transformation in the Context of the Industry 4.0 Paradigm in Georgia and Ukraine"**

2022 **Visiting Professor in Polytechnic University of Bari (Italy)**

2019 **International research internship, State agrarian University of Moldova, Chisinau (Moldova)**

2018 **International scientific internship, Polytechnic Institute of Braganza, Braganza (Portugal)**

2016-2018 **Scholarship holder of the Cabinet of Ministers of Ukraine (scholarship for young scientists)**

2016 **International training program "Spring academic school Bukovel 2016" (Ukraine)**

PERSONAL SKILLS

Mother tongue **Ukrainian**

Other languages	UNDERSTANDING		SPEAKING		WRITING
	Listening	Reading	Spoken interaction	Spoken production	
English	B2	B2	B2	B2	B2
German	A2	A2	A1	A1	A1

Levels: A1 and A2: Basic user – B1 and B2: Independent user – C1 and C2: Proficient user
[Common European Framework of Reference for Languages](https://europa.eu/europass/levels)

Job Related Skills

- Management of working groups
- Management of projects of medium to big size
- Extensive knowledge in Educational Processes
- Knowledge of Commodities related research

Driving licence **A, B**

SELECTED PUBLICATIONS

- [1] Tkachuk V.V., Karavaev A.T., Osyka V.A., Komaha V.O., Kaluga N.V., and Sikorskyi O.O. "Processes of chemical interaction in the mineral filler-modifier-film-forming system". In: *Issues of chemistry and chemical technology* 6 (2019), 83–91 (doi: 10.32434/0321-4095-2019-127-6-83-91).
- [2] Valentyna Tkachuk, Taras Bozhydarnik, Oksana Rechun, Taras Karavayev, and Nina Merezko. "Assessment of the Quality of Alternative Fuels for Gasoline Engines". In: *Advances in Design, Simulation and Manufacturing II*. Ed. by Vitalii Ivanov, Justyna Trojanowska, Jose Machado, Oleksandr Liaposhchenko, Jozef Zajac, Ivan Pavlenko, Milan Edl, and Dragan Perakovic. Cham: Springer International Publishing, 2020, 871–881 (doi: 10.1007/978-3-030-22365-6_87).
- [3] Nina Merezko, Valentyna Tkachuk, Oksana Rechun, Victor Zagoruiko, and Olga Priadko. "Infrared Spectroscopy of Gasolines with Addition of Ethanol". In: *Advanced Manufacturing Processes*. Ed. by Volodymyr Tonkonogyi, Vitalii Ivanov, Justyna Trojanowska, Gennadii Oborskyi, Milan Edl, Ivan Kuric, Ivan Pavlenko, and Predrag Dasic. Cham: Springer International Publishing, 2020, 442–450 (doi: 10.1007/978-3-030-40724-7_45).
- [4] Nina Merezko, Valentyna Tkachuk, Viktoriya Romanchuk, Oksana Rechun, and Oksana Zolotarova. "Influence of High-Octane Bioadditives on Physical and Chemical Properties of Low-Octane Gasoline". In: *Advances in Design, Simulation and Manufacturing III*. June 2020, 367-376 (doi: 10.1007/978-3-030-50491-5_35).
- [5] Nina Merezko, Valentyna Tkachuk, Volodymyr Komakha, Oksana Rechun, and Liubov Kovalska. "Optimization of Diesel Fuel Composition with Bio-Component and Functional Additives". In: *Advances in Design, Simulation and Manufacturing IV*. May 2021, 349-360 (doi: 10.1007/978-3-030-77823-1_35).
- [6] V. Tkachuk, O. Rechun, and Iu. Melnic. "Operational properties of diesel fuel with the addition of rapeseed oil esters". In: *Mechanization in agriculture & Conserving of the resources* 67 (2021), pp. 61–63.
- [7] Nina Merezko, Valentyna Tkachuk, Volodymyr Komakha, Oleksandr Povstyanoy, and Taras Karavaiev. "Optimization of the Composition of High-Octane Gasoline with Bio-Components". In: *Advanced Manufacturing Processes III*. Ed. by Volodymyr Tonkonogyi, Vitalii Ivanov, Justyna Trojanowska, Gennadii Oborskyi, and Ivan Pavlenko. Cham: Springer International Publishing, 2022, 613–622 (doi: 10.1007/978-3-030-91327-4_59).
- [8] Tkachuk V. and Povstyanoi O. "Mechanisms of increasing the environmental friendliness of motor fuels". In: *monograph. Lutsk: LNTU* (2022), 245 p.
- [9] Nina Merezko, Volodymyr Komakha, Olga Komakha, Valentyna Tkachuk, and Oksana Rechun. "Protection of Paper Surface from Water Wetting by Two-Layer Siloxane (TEOS/PEHS) Coating". In: *Advances in Design, Simulation and Manufacturing V*. Ed. by Vitalii Ivanov, Justyna Trojanowska, Ivan Pavlenko, Erwin Rauch, and Dragan Peraković. Cham: Springer International Publishing, 2022, 455–464 (doi: 10.1007/978-3-031-06025-0_45).
- [10] Oleksandr Povstyanoy, Nataliya Imbirovich, Valentyna Tkachuk, Rostyslav Redko, and Olga Priadko. "Theoretical and Experimental Studies of the Properties of Porous Permeable Materials Obtained from Industrial Waste". In: *Advances in Design, Simulation and Manufacturing V*. Ed. by Vitalii Ivanov, Justyna Trojanowska, Ivan Pavlenko, Erwin Rauch, and Dragan Peraković. Cham: Springer International Publishing, 2022, 519–528 (doi: 10.1007/978-3-031-06025-0_51).
- [11] Olha Samoilenko, Olga Priadko, Valentyn Mokiichuk, Nataliia Pashchenko, Larysa Bal-Prylypko, Yuliia Slyva, Valentyna Tkachuk, Nataliya Silonova, Mykola Nikolaienko, and Tatyana Rozbytska. "The impartiality of conformity assessment bodies is an integral component of the food safety management system". In: *Potravinarstvo Slovak Journal of Food Sciences* 16 (Nov. 2022), 765–776 (doi: 10.5219/1784).

- [12] Maria Michela Dell'Anna, Valentyna Tkachuk, Oxana Rechun, and Galina Golodyuk. "The Use of Biocomponents and Additives to Improve the Quality and Safety of Diesel Fuels". In: *Modern Technologies in Energy and Transport*. Ed. by Sergii Boichenko, Artur Zaporozhets, Anna Yakovlieva, and Iryna Shkilniuk. Cham: Springer Nature Switzerland, 2024, 197–216 (doi: 10.1007/978-3-031-44351-0₁₀).