

PERSONAL INFORMATION



Curriculum Vitae

Vladyslav Gerasymenko

VLADYSLAV GERASYMENKO

Sumy National Agrarian University, 160 H. Kondratieva St., Sumy, 40000, Ukraine

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<https://itf.snau.edu.ua/kafedri/kafedra-vishhoi-matematiki/sklad-kafedra-vishhoi-matematiki/gerasimenko-vladislav/>

Sex **Male** | Date of birth **12/04/1976** | Nationality **Ukrainian**

LINKS TO RESEARCH PROFILES ON WEB PLATFORMS

ORCID <https://orcid.org/0000-0001-5875-8517>

Scopus <https://www.scopus.com/authid/detail.uri?authorId=57195836869>

Web of Science X-2668-2018

Google Scholar <https://scholar.google.com.ua/citations?user=WQYV5nYAAAAJ>

WORK EXPERIENCE

2026 – present

Head of the Department of Higher Mathematics and Physics

Sumy National Agrarian University, 160 H. Kondratieva St., Sumy, 40021, Ukraine

<https://snau.edu.ua/>

- leadership of the department; organisation of educational, research and methodological work
- teaching Higher Mathematics, Probability Theory and Mathematical Statistics

Higher Educational Institution (Agricultural Sector)

2024 – 2026

Deputy Dean for Distance and Blended Learning

Sumy National Agrarian University, 160 H. Kondratieva St., Sumy, 40021, Ukraine

<https://snau.edu.ua/>

- organisation of distance and blended learning at the Faculty of Engineering and Technology

Higher Educational Institution (Agricultural Sector)

2008 – present

Associate Professor, Department of Higher Mathematics (since 2025 — Higher Mathematics and Physics)

Sumy National Agrarian University, 160 H. Kondratieva St., Sumy, 40021, Ukraine

<https://snau.edu.ua/>

- teaching Higher Mathematics, Probability Theory and Mathematical Statistics
- principal investigator of state-budget and contract research projects
- author of over 84 scientific works (8 Scopus/WoS papers, 11 category B journals, abstracts, reports, textbooks)

Higher Educational Institution (Agricultural Sector)

2016 – 2024

Deputy Dean of the Faculty of Engineering and Technology for Correspondence Education

Sumy National Agrarian University, Sumy, Ukraine

<https://snau.edu.ua/>

- organisation and coordination of part-time education

Higher Educational Institution (Agricultural Sector)

2012 – 2016

Deputy Director of the Institute of Correspondence Education

Sumy National Agrarian University, Sumy, Ukraine

<https://snau.edu.ua/>

- administrative management of correspondence education

Higher Educational Institution (Agricultural Sector)

2001 – 2007

Senior Lecturer, Department of Higher Mathematics

Sumy National Agrarian University, Sumy, Ukraine

<https://snau.edu.ua/>

- teaching Higher Mathematics; development of teaching materials

1997 – 1998

Mathematics Teacher

Secondary School No. 7, Sumy, Ukraine

- teaching mathematics to secondary school students

Secondary Education

EDUCATION AND TRAINING

2008 (defence)

PhD (Physical and Mathematical Sciences)

Speciality 01.01.01 — Mathematical Analysis

Thesis: “Generalised Representations of Subharmonic Functions”

Institute of Applied Mathematics and Mechanics of the NAS of Ukraine

Diploma DK No. 044165

EQF level 8

2011

Associate Professor (Docent) of the Department of Higher Mathematics

Certificate 12DTs No. 027978 (Attestation Board of the Ministry of Education and Science of Ukraine)

1998 – 2001

Postgraduate studies

Department of Mathematical Physics, Sumy State University, Sumy, Ukraine

1993 – 1998

Full higher education in “Mathematics and Physics”, diploma with distinction

Qualification: Teacher of Mathematics and Physics

Sumy State Pedagogical Institute named after A.S. Makarenko, Faculty of Physics and Mathematics

Diploma SM No. 10615831 | EQF level 7

1983 – 1993

Secondary education (with distinction)

Secondary School No. 22, Sumy, Ukraine

PERSONAL SKILLS

Mother tongue(s)

Ukrainian

Other language(s)

Russian — C2 (proficient user)

English — level to be specified (CEFR self-assessment recommended)

Communication skills

- Experienced in teaching and public speaking; work with students of full-time, part-time, distance and blended forms of study
- Interaction with university administration and local community

Organisational / managerial skills

- Head of Department; experience as Deputy Director of Institute and Deputy Dean (part-time, distance and blended learning)
- Leadership of research projects and organisation of the educational process

Job-related skills

- Mathematical analysis; teaching of Higher Mathematics, Probability Theory and Mathematical Statistics
- Resource-saving technologies for functional coatings; reengineering of industrial equipment
- Integration of artificial intelligence into teaching of mathematical disciplines

Digital competence

Independent user (office suite, distance/blended learning platforms)

- Good command of office suite (word processor, spreadsheet, presentation software)
- Experience with distance learning tools and AI integration (confirmed by international internship 2025)

ADDITIONAL INFORMATION

Professional development

14.07.2025 – 20.10.2025 — International internship “Integration of Artificial Intelligence into the Teaching of Mathematical Disciplines”, Silesian Academy, Katowice, Poland (180 hours, 6 ECTS, certificate 26-s/10/2025)

15.11.2021 – 24.12.2021 — “Use of Distance Learning Forms for Mathematical Disciplines in HEIs”, Sumy State Pedagogical University named after A.S. Makarenko (6 credits, 180 hours)
21.12.2016 – 21.01.2017 — “Implementation of Modern Teaching Technologies in Higher Mathematics”, Sumy State University (6 credits, 180 hours)

Projects

State budget research projects:

- 0124U003864 “Assessment of the influence of technological parameters on the formation of functional coatings by concentrated energy sources of different physical nature” (2024–2026, Ministry of Education and Science of Ukraine) — Principal Investigator
- 0118U100099 “Research on resource-saving technologies for forming functional coatings on working surfaces of machine parts” (2019–2021, Ministry of Education and Science of Ukraine) — Principal Investigator

Contract research projects (with Electromash):

- 12/6 “Development of resource-saving technologies for reengineering of power equipment” (2014–2015)
- 21-9 “Improving the quality of repair of gas turbine units...” (2015–2017)

International:

- Ukrainian–Chinese research project “Research on Electrosark Deposition Functional Coating on Tin Bronze Bearing Surface” (2024–2027)

Publications

The most recent / selected publications indexed in Scopus / Web of Science:

1. Tarelnyk V.B. et al. (incl. Gerasimenko V.O.). Surface Properties of High-Strength Cast Iron Parts with Wear-Resistant Composite Coatings... Metallofiz. Noveishie Tekhnol., 47(4): 427–451 (2025). DOI: 10.15407/mfint.47.04.0427
2. Savchenko M., Radchuk O., Gerasimenko V., Chepizhnyi A. Development of a methodology for calculating the consumption of a combined renewable energy source for a mini-workshop. IOP Conf. Ser.: Earth Environ. Sci. 1429 (2024).
3. Tarelnyk V.B. et al. (incl. Gerasimenko V.A.). Properties of Surfaces Parts from X10CrNiTi18-10 Steel... Metallofiz. Noveishie Tekhnol., 44(10): 1323–1333 (2022). DOI: 10.15407/mfint.44.10.1323
4. Tarelnyk V. et al. Application of Wear-Resistant Nanostructures Formed by Ion Nitriding & Electrosark Alloying... IEEE NAP 2022. DOI: 10.1109/NAP55339.2022.9934739
5. Gaponova O.P. et al. (incl. Gerasimenko V.O.). Combined Electrosark Running-in Coatings of Bronze Parts. Part 2... Metallofiz. Noveishie Tekhnol., 43(9): 1155–1166 (2021). DOI: 10.15407/mfint.43.09.1155
6. Konoplianchenko Ie. et al. (incl. Gerasimenko V.). Increasing the Efficiency of Running-In the Titanium Nitride Nanostructures... IEEE NAP 2020. DOI: 10.1109/NAP51477.2020.9309700
7. Stechyshyn M.S. et al. (incl. Herasymenko V.O.). Physicochemical Properties of Carbonitrided 40Kh Steel. Mater Sci 56, 369–374 (2020). DOI: 10.1007/s11003-020-00439-5
8. Konoplianchenko Ie. et al. (incl. Gerasimenko V.). Changing cohesive energy between atoms in metal-to-metal transition layer... Springer Proceedings in Physics, vol. 240, pp. 117–133 (2020). DOI: 10.1007/978-981-15-1742-6_12

Total: over 84 scientific works, including 8 papers in Scopus/WoS, 11 papers in Ukrainian professional journals (category B), 11 conference abstracts, research reports and 4 teaching materials.

Awards

- 2023 — Honourable Distinction of the Sumy District Council “For special merits to the community of Sumy district”
- 2024 — Honourable Certificate of the Sumy Regional Council
- 2024 — Honourable Certificate of the Mayor with a badge of honour

Research interests

Resource-saving technologies for forming functional coatings on working surfaces of machine parts; reengineering of industrial equipment; operational properties of tribological surfaces; mathematical analysis (subharmonic functions).