

PERSONAL INFORMATION

VLADYSLAV ZUBKO



16 H. Kondratiieva Str., apt. 6, Sumy, 40030, Ukraine

+ 38 099 7355585 + 38 099 7355585

vladyslav.zubko@snau.edu.ua zubkovladislav@ukr.net

[ZUBKO M. VLADISLAV, Dean of the Faculty of Engineering and Technology – Faculty of Engineering and Technology SNAU](#)

Replace with type of IM service WhatsApp + 38 099 7355585

S

-

LINKS TO RESEARCH PROFILES ON WEB PLATFORMS

ORCID <https://orcid.org/0000-0002-2426-2772>

Scopus ID 57202651017

Google Scholar: <https://scholar.google.com/citations?user=5lzu-PoAAAAJ&hl=en>

W

~

WORK EXPERIENCE

04.2022 – till present

Dean at the Faculty of Engineering and Technology

Professor r (08.2022 - till present) of the Agricultural Engineering Department

1.09.2016 – 31.08.2022

Head (09.2016 – 08.2022) of the Tractors and Agricultural Machinery Department

06.2010 – 09.2016

Assistant professor at the Engineering-technological Faculty

09.2008 – 05.2010

University instructor

S

• Teaching and scientific activity in the sphere of agricultural machinery maintenance

Higher Educational Institution (Agricultural Sector)

EDUCATION AND TRAINING

04.2021

Doctor of Technical Sciences

P

National University of Life and Environmental Sciences of Ukraine

11.2005 – 11.2008

PhD (Candidate of Technical Sciences)

PhD award date 14.04.2010

National University of Life and Environmental Sciences of Ukraine

EQF

09.2000-06.2005

Master of Mechanical Engineering

Sumy Agricultural Institute (meanwhile Sumy National Agrarian University), Ukraine

EQF

PERSONAL SKILLS

Mother tongue(s)

Ukrainian

Other language(s)

	UNDERSTANDING		SPEAKING		WRITING
	Listening	Reading	Spoken interaction	Spoken production	
English	B2	B2	B2	B2	B2
Russian	C2	C2	C2	C2	C2

Communication skills

- good communication skills. I'm energetic and enthusiastic about the work I start.

Organisational / managerial skills

- leadership (currently responsible for a team more than 40 people)
- |

Digital competence

SELF-ASSESSMENT				
Information processing	Communication	Content creation	Safety	Problem solving
Independent user	Independent user	Independent user	Independent user	Independent user

Levels: Basic user - Independent user - Proficient user

[Digital competences - Self-assessment grid](#)

- good command of office suite (word processor, spread sheet, presentation software)

Driving licence

Category A, B, C (car) Category A1, A2 (tractor)

ADDITIONAL INFORMATION

Projects

Participation in international projects:

- “Inter-University Cooperation as a Tool to Improve the Quality of Selected Universities of Ukraine” (joint international project of Czech University of Life Science in Prague, Sumy NAU, Sumy State University, Bila Tserkva NAU and Dnipro SAEU) (2019-2020).
- “Support of young university capacity in education and research and science activities in Ukraine” (Czech University of Life Science in Prague and Sumy NAU, Sumy State University, Bila Tserkva NAU) under the financial support of Czech Development Agency under the financial support of Czech Development Agency (2019).
- “Enhancement of Capacity Building Process in Quality of Education and Research at SNAU and SSU”, jointly with Sumy State University, Czech University of Life Sciences Prague and under the financial support of Czech Development Agency. (2017)

Funding received

- Individual grant to participate in Mobility Staff Mobility For Training ERASMUS+ Czech University of Life Sciences Prague 05-19.06.2023
- Individual grant to participate in Erasmus+ Internship in the field of Agriculture 4.0 applied research and experimental developments at the Czech University of Life Sciences Prague. 20.02.2019 – 20.05.2019
- Grant within the framework of the project “Enhancement of the PhD student’s potential for qualitative research in Ukraine”. Project name: “Investigation of the movement of moisture after harvesting winter wheat in a ball of soil 300 mm with different soil cultivation technologies: No-Till, Mini-Till and classic technologies with plowing” (Zubko V., Hynek Roubík, Zamora O., Sobko M., Khvorost T., Sokolik S.). 2022
- Grant within the framework of the project “AgriSciences Platform for Scientific Enhancement of HEIs in Ukraine” (Commissioner E., Shelest M., Hrynenko O., Zhigiliy D, Zubko V.). 2021
- Grant within the framework of the project “Interuniversity cooperation as a tool for enhancement of quality of selected universities in Ukraine”. Project name: “Climate chamber with lighting adapted for growing crops” (Zubko V.M., Shelest M.S.). 2020
- Grant within the framework of the project “Support of young university capacity in education and research and science activities in Ukraine”. Project name: “The system for a seeder that allows to carry out processing by inoculants during sowing” (Zubko V.M., Shelest M.S.). 2019
- Collective international grant: Grants for young researchers and research for groups In the framework of the Czech Republic Development Cooperation project: “Enhancement of Capacity Building Process in Quality of Education and Research at SNAU and SSU”. Project name: Mobile information and technical system for determining the depth of the plow sole. (Sokolik S.P., Zhigiliy D., Zubko V.M.). 2017

Publications

The most recent publications are:

1. V. B. Loboda, S. M. Khursenko, V. M. Zubko, V. O. Kravchenko and T. V. Khvorost, (2025) "Study of the Phase Composition and Structure of Nanocrystalline Films of NiCo Alloys," 2025 IEEE 15th International Conference Nanomaterials: Applications & Properties (NAP), Bratislava, Slovakia, 2025, p
2. Loboda, V. B., Khursenko, S. M., Kravchenko, V. O., Zubko, V. M., & Chepizhnyi, A. V. (2025). Study of the Elemental Composition of Thin Nanocrystalline Films of CoNi and FeNi Alloys by X-ray Spectral Microanalysis. [https://doi.org/10.21272/jnep.17\(2\).02020](https://doi.org/10.21272/jnep.17(2).02020)
3. Zubko, V. M., Khvorost, T. V., Teslenko, O., Romanovsky, M. O., & Guz, O. (2024). EFFICIENCY OF THE USE OF UAVS DURING THE APPLICATION OF PPPS, HERBICIDES AND GROWTH REGULATORS (PHYTOHORMONES). Bulletin of Sumy National Agrarian University. The Series: Mechanization and automation of production processes. 2024. Issue 2 (44). P. 8-12.
4. Zubko, V. M., Khvorost, T. V., Teslenko, O., Barabash, G. I., Omelchenko, E. M., & Romanovsky, M. O. (2024). RESEARCH OF THE ORGANIZATION AND IMPLEMENTATION OF MECHANIZED TECHNOLOGICAL OPERATIONS IN PLANT PRODUCTION. Bulletin of Sumy National Agrarian University. The Series: Mechanization and automation of production processes. 2024. Issue 2 (44). P. 8-12.
5. Zubko, V., Khvorost, T., Melnyk, V., Omelchenko, E., Kovalenko, Y. S., & Teslenko, O. (2023). JUSTIFICATION OF THE NEED FOR A FLEET OF MACHINES FOR THE CULTIVATION OF GRAIN AND LEGUMINOUS CROPS IN THE STRUCTURAL UNITS OF THE DPTNZ WITH AN AREA OF 300–500 HECTARES. Bulletin of Sumy National Agrarian University. The Series: Mechanization and automation of production processes. 2023. Issue 2 (44). P. 8-12.
6. Zubko, V., Sirenko, V., Kuzina, T., Onychko, V., Sokolik, S., Roubik, H., Koszel, M., Shchur, T. Modeling Wheat Grain Flow During Sowing Based on the Model of Grain with Shifted Center of Gravity. Bulletin of Sumy National Agrarian University. The Series: Mechanization and automation of production processes. 2023. Issue 2 (44). P. 8-12.
7. Popov, S., Frolova, L., Rebrov, O., Naumenko, Y., Postupna, O., Zubko, V., Shvets P. Increasing the mechanical properties of structural cast iron for machine-building parts by combined Mn – Al alloying. REKA: Physics and Engineering. 2022. Vol. 1. P. 118-130. DOI: 10.21303 / 2461-4262.2022.002243. (Scopus). Page 5/5 - Curriculum vitae of Surname(s) First name(s) For more information on Europass go to <http://europass.cedefop.europa.eu> © European Communities, 2003 20060628
8. Hryhoriv, Y., Butenko, A., Nechyporenko, V., Lysenko, M., Ustik, T., Zubko, V., Makarenko, N., Mushtai, V. Economic efficiency of Camelina sativa growing with nutrition optimization under conditions of precarpathians of Ukraine. Agraarteadus: Journal of Agricultural Science. 2021. Vol. 2 (32). P. 232–238. DOI: 10.15159 / jas.21.33. (Scopus).
9. Rudenko A.A., Zubko V.M., Khvorost V.F., Lysenko A.A. Experimental and Numerical Study of Pressure Intensity in Detachable Joints of D Series Pumps. Mechanics and Advanced Technologies. 2021. Vol. 5. No. 2. R. 153-164.
10. Zubko V.M. Experimental studies of the effectiveness of the use of unmanned aerial vehicles in the cultivation of crops. Machinery & Energetics. Journal of Rural Production Research. Kyiv. Ukraine. 2021, Vol. 12, No. 2, p. 117-128.
11. Zubko, V., Sokolik, S., Khvorost, T., Melnyk, V.. Factors affecting quality of tillage with disc harrow. Proceedings of 20th International Scientific Conference Engineering For Rural Development Proceedings. Jelgava, Latvia. May 26-28, 2020. Vol. 20. P. 1193-1199. DOI: 10.22616 / ERDev.2021.20.TF262
12. Zubko, V.M., Zhigiliy, D.O., Sokolik, S.P., Rudenko, V.A. Modeling of rolling of a rigid cylinder on the soil surface. Bulletin of the SNAU. Series "Mechanization and automation of production processes". Sumy. 2021. Issue 2 (44). P. 8-12
13. Zubko V.M. Investigation of the influence of seed furrow purity on yield during corn cultivation on grain. Bulletin of Sumy National Agrarian University. Series "Mechanization and automation of production processes", issue 4 (46), 2021.- p. 11-17
14. Zubko, V.M. Rationale and choice of energy resources for aggregation of agricultural machinery. Bulletin of the National Technical University "KhPI". Series: Automobile and tractor construction. Nat. Tech. Kharkiv University Polytechnic Inst. Kharkiv: NTU "KhPI". 2021. Vol. № 2. P. 46-53.
15. Zubko, V.M., Commissar, Ye.O., Shelest, M.S., Khvorost, T.V., Danilov, S.M. Mobile agrometeorological station for sprayers. Bulletin of the SNAU. Series "Mechanization and automation of production processes". Sumy. 2020. Issue 2 (40). P. 3-7.
16. Zubko, V.M., Commissar, Ye.O. Influence of driving systems of machine units on soil compaction. Technical service of agro-industrial, forest and transport complexes, №21, 2020. with. 63 - 69.
17. Zubko, V.M. Substantiation and choice of agricultural machinery for selected working bodies. Environmental Engineering, №1 (15), 2020. with. 36 - 43.
18. Pastukhov, V.I., Zubko, V.M. Research of changes in soil and plant properties in different periods of the production process. Bulletin of Agrarian Science of the Black Sea Coast. Bulletin of Agrarian Science of the Black Sea Coast. Mykolaiv. 2020. Issue. 1 (105). P. 94-101. (Scopus)
19. Pastukhov, V.I., Zubko, V.M. Determining the quality of technological operation in accordance with the needs of plants. Bulletin of the SNAU. Series "Mechanization and automation of production processes". Sumy. 2020. Issue 2 (40). P. 3-7.

processes". Sumy. 2019. Issue 3 (37). P. 19-24.

20. Zubko, V.M. Substantiation of placement of crops in the structure of fields and production volumes for mechanized technological operations Machinery & Energetics. Journal of Rural Production Research. Kyiv. Ukraine. 2020. Vol. 11. No. 2. P.107-113.

21. Zubko, V.M., Onychko, V.I., Sokolik S.P. How to prepare the drill for going out into the field? Traktorist.ua. 2020. Mode of access to the resource: <https://traktorist.ua/articles/Yak-pdgotuvati-svalku-do-vihodu-v-pole>.

22. Zubko, V.M. Theoretical bases of substantiation of indicators of quality of performance of mechanized technological processes in crop production. Bulletin of Bioresources and Nature Management. Kyiv. 2020. Vol. 12, № 1-2.

23. Zubko, V., Khvorost, T., Zamora, O., Onychko, V. (2020): Methods of Maintaining Soil Depth Evenness during Disk Tillage. Scientia Agriculturae Bohemica, 51, 22-30. DOI: 10.2478 / Sat-2020-0004. (Scopus).

24. Serdyuk, V.V., Rudenko, V.A., Zubko, V.M. Energy consumption during the operation of the shock-separation shredder. Bulletin of the SNAU. Series "Mechanization and automation of production processes". Sumy. 2019. Issue 2 (36) P. 29-32.

25. Zubko, V.M., Sokolik, S.P., Shevchenko R.M. Improving the accuracy of measuring the fuel level sensor with a fuel level indicator. Environmental Engineering. Kharkiv. 2019. Vol. №1 (7). P. 6-11.

26. Zubko, V.M. Devices, equipment and systems for assessing the quality of grain harvesting. Bulletin of Kharkiv National Technical University of Agriculture. P. Vasilenko. Kharkiv. 2019. Issue. 199. P. 109-122

27. Stalemate. 129772 of Ukraine on a utility model Impact grain shredder/ Serdyuk, V.V. (UA); Plavinsky, V.I. (UA); Zubko, V.M. (UA); Balo, P.M. (UA) - u201805385; application. 15/05/2018; publ. 11/12/2018, bldg. № 21/2018

28. Zubko, V., Rubik, H., Zamora, O., Khvorost, T. Analysis and Forecast of Performance Characteristics of Combine Harvesters. Bulletin of the Estonian Agricultural University. 2018. Vol. 16 (5), P. 2282-2302, 2018 DOI: 10.15159/AR.18.212 (Scopus).

Honours and awards

- The Prizes of the Verkhovna Rada of Ukraine for Young Scientists for 2022 for paper "Scientific and Methodological Foundations of Quality Assurance of Mechanized Agricultural Technologies."
- Scholarship holder of the Cabinet of Ministers for young scientists, laureate of the Prize of the Cabinet of Ministers of Ukraine for special achievements of youth in the development of Ukraine.

Work and Competency Area Taxonomy of Functions & Domains		
FUNCTION / DOMAIN category - EN	Catégorie FONCTION / DOMAINE - FR	Your domain
STATISTICS and general MATHEMATICS	STATISTIQUES et MATHÉMATIQUES générales	
ANALYSIS and INTELLIGENCE	ANALYSE et RENSEIGNEMENT	
KNOWLEDGE MANAGEMENT & ECONOMY	GESTION des CONNAISSANCES & ÉCONOMIE de la CONNAISSANCE	
SCIENCE and RESEARCH	SCIENCE et RECHERCHE	
INNOVATION and CREATIVITY	INNOVATION et CRÉATIVITÉ	
CLIMATE, ENVIRONMENT and NATURAL RESOURCES	CLIMAT, ENVIRONNEMENT et RESSOURCES NATURELLES	
AGRICULTURE	AGRICULTURE	
FORESTRY	SYLVICULTURE	
FISHERY and MARITIME AFFAIRS	PÊCHE et AFFAIRES MARITIMES	
ENTERPRISE and MARKETS	ENTREPRISES et MARCHÉS	
COMMERCE (general)	COMMERCE (général)	
COMPETITION and CONSUMERS	CONCURRENCE et CONSOMMATEURS	
TRADE	COMMERCE	
TAXATION and CUSTOMS	FISCALITÉ et DOUANE	
ECONOMICS	ÉCONOMIE	
FINANCIAL INSTRUMENTS and INSTITUTIONS, incl BANKING	INSTRUMENTS FINANCIERS et INSTITUTIONS FINANCIÈRES, y compris les BANQUES	
BUDGET, FINANCE, CONTRACTS and ACCOUNTING	BUDGET, FINANCES, CONTRATS et COMPTABILITÉ	
POLICY	POLITIQUE	
LAW	DROIT	
LAW ENFORCEMENT	APPLICATION du DROIT	
LEGAL OFFENSE, CRIMINOLOGY and FORENSICS	INFRACTIONS à la LOI, CRIMINOLOGIE et SCIENCES FORENSIQUES	
ANTI-FRAUD	LUTTE contre la FRAUDE	
INVESTIGATION, COMPLIANCE and INFRINGEMENT HANDLING	ENQUÊTES, VÉRIFICATION de CONFORMITÉ et TRAITEMENT des INFRACTIONS	
AUDIT, CONTROL and INSPECTION	AUDIT, CONTRÔLE et INSPECTION	
EVALUATION and QUALITY MANAGEMENT	ÉVALUATION et GESTION de la QUALITÉ	
PROGRAM / PROCESS / PROJECT MANAGEMENT	GESTION de PROJETS, PROGRAMMES et PROCESSUS	
OPERATIONAL and ADMINISTRATIVE SUPPORT and RESOURCES	SUPPORT et RESSOURCES OPÉRATIONNELS et ADMINISTRATIFS	
LOGISTIC SUPPORT	SUPPORT LOGISTIQUE	
TECHNICAL and LABORATORY WORK	TRAVAUX TECHNIQUES et TRAVAUX en LABORATOIRE	
TECHNOLOGIES and ENGINEERING in SCIENCE and INDUSTRY	TECHNOLOGIES et INGÉNIERIE dans les SCIENCES et l'INDUSTRIE	
ENERGY POLICIES and TECHNOLOGIES	POLITIQUES de l'ÉNERGIE et TECHNOLOGIES	
TRANSPORT (incl logistics)	TRANSPORT (y compris logistique)	
BUILDINGS and SUPPLIES (incl logistics)	BÂTIMENTS et FOURNITURES (y compris logistique)	
SAFETY, SECURITY and CRISIS MANAGEMENT	SÉCURITÉ, SÛRETÉ et GESTION de CRISE	
HEALTH	SANTÉ	
EMPLOYMENT (EU/national/regional level)	EMPLOI (UE/national/régional)	
LABOUR LAW	DROIT du TRAVAIL	
HUMAN RESOURCE MANAGEMENT	GESTION des RESSOURCES HUMAINES	
EDUCATION and TRAINING (general)	ÉDUCATION et FORMATION (général)	
CULTURE, HUMANITIES, PHILOSOPHY and HISTORY	CULTURE, SCIENCES HUMAINES, PHILOSOPHIE et HISTOIRE	
LANGUAGES and LINGUISTICS	LANGUES et LINGUISTIQUE	
MULTILINGUAL and TERMINOLOGY RESOURCES	RESSOURCES MULTILINGUES et TERMINOLOGIQUES	
CLASSIFICATION, STANDARDS and NOMENCLATURES	CLASSIFICATION, NORMES et NOMENCLATURES	
INFORMATION and DOCUMENT MANAGEMENT	INFORMATION et GESTION des DOCUMENTS	
COMMUNICATION and PUBLICATION	COMMUNICATION et PUBLICATION	
TELECOMMUNICATION and TELEPHONY	TÉLÉCOMMUNICATIONS et TÉLÉPHONIE	
INFORMATION and COMMUNICATION TECHNOLOGIES	TECHNOLOGIES de l'INFORMATION et de la COMMUNICATION	
IT TOOLS for SPECIFIC APPLICATION AREAS	OUTILS INFORMATIQUES pour des DOMAINES d'APPLICATION SPÉCIFIQUES	
(APPLIED) COMPUTER SCIENCE	INFORMATIQUE (APPLIQUÉE)	
INTER-INSTITUTIONAL RELATIONS	RELATIONS INTERINSTITUTIONNELLES	
JUSTICE and HUMAN/CIVIL RIGHTS	JUSTICE et DROITS HUMAINS/CIVILS	
SOCIAL SCIENCES and POLICIES	SCIENCES et POLITIQUES SOCIALES	
HUMAN GEOGRAPHY	GÉOGRAPHIE HUMAINE	
COHESION POLICY (EU/national level)	POLITIQUE de COHÉSION (UE/national/régional)	
REGIONAL POLICY (EU/national level)	POLITIQUE RÉGIONALE (UE/national/régional)	
DEMOGRAPHY and MIGRATION	DÉMOGRAPHIE et MIGRATION	
EXTERNAL RELATIONS	RELATIONS EXTÉRIEURES	