Сумський національний аграрний університет

Факультет агротехнологій та природокористування СНАУ

Oleksandr Zubko

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Education	Higher Education
Professional work experience	**LLC "Natasha-Agro"** — Shift Brigade Agronomist 03 Mar 2014 – 15 Feb 2017 **LLC "Agro-KIM"** — Agronomist, Category I 15 Mar 2017 – 28 Feb 2018 **LLC "Nizhyn Agro"** — Agronomist 06 Mar 2018 – 15 Jun 2020 **LLC "Nizhyn Agro"** — Chief Agronomist 15 Jun 2020 – 21 Feb 2023 **LLC "Nizhyn Agro"** — Deputy General Director for Production 21 Feb 2023 – Present
MAIN RESEARCH ACTIVITIES	
Specialty	201 Agronomy
Supervisor	**Yevheniia Yuriiivna Butenko**, PhD, Associate Professor of the Department of Agricultural Technologies and Soil Science. https://agro.snau.edu.ua/kafedri/kafedra-

	agrotehnologii_ta_gruntoznavstva/sklad-kafedri/butenko-yevgeniya-yuri%d1%97vna/
Thesis topic	Optimization of Soybean Cultivation Technology in the North-Eastern Forest-Steppe of Ukraine
Period of PhD Studies	01.05.2023 – 31.07.2027

Relevance of the Supervisor's Research Activity to the Dissertation Topic of the PhD Candidate under the Educational and Scientific Program

***NOTE**

Information from the PhD supervisor (articles, monographs, conferences, state-funded research projects, contract-based research projects, core research topics, patents, copyright certificates, grants, etc.).

ARTICLES:

Scopus / Web of Science

1. Ihor Kovalenko, Ihor Vereshchahin, **Yevheniia Butenko**, Natalia Kandyba, Viktor Onychko, Olha Bakumenko, Vladyslav Kovalenko, Tetiana Klochkova. Rapd-Analysis of Flax Varieties of the Ukrainian National Collection. Ecological Engineering & Environmental Technology 2022, 23(3), 1–6 https://doi.org/10.12912/27197050/146384 **Scopus Q3.**

2. Olena Karpenko, **Yevheniia Butenko**, Valentina Rozhko, Oksana Sykalo , Tetyana Chernega, Alla Kustovska , Viktor Onychko, Dmytro S. Tymchuk , Vasyl Filon, Anna Novikova. Influence of Agricultural Systems on Microbiological Transformation of Organic Matter in Wheat Winter Crops on Typical Black Soils. Journal of Ecological Engineering, 2022, 23(9), 181–186 https://doi.org/10.12911/22998993/151885 **Scopus Q3**

3. Karbivska, U., **Butenko, Y.,** Nechyporenko, V., Shumkova, O., Shumkova, V., Tymchuk, D.S., Tymchuk, N., Litvinov, D., Hotvianska, A., Toryanik, V. Ecological and economic efficiency of growing on dark gray soils of bean-cereal grasses. 2022. *Agraarteadus*, 33(2): 404-409. DOI: 10.15159/jas.22.25 **Scopus Q3**

4. Sobko Mykola, **Yevheniia Butenko**, Gennadiy Davydenko, Oleksandr Solarov, Viacheslav Pylypenko, Viktoriia Makarova, Maryna Mikulina, Iryna Samoshkina, Oleksandr Antonovskyi. Ecological and Economic Study of Wheat Winter Varieties by Different Geographical Origin. Ecological Engineering & Environmental Technology, 24(1) (2023), 12-21. doi:10.12912/27197050/154912. **Scopus Q3**

5. Voitovyk M., **Butenko** Y., Tkachenko M., Mishchenko,Y., Tsyuk O., Obrazhyy S., Kopylova T. Assessment of the Effect of Sunflower Agrocenosis on the Characteristics of the Structural and Aggregate Composition of Typical Black Soil. Journal of Ecological Engineering, 2024, 25(1), 153-160. https://doi.org/10.12911/22998993/174778 **Scopus Q2**

6. Hryhoriv Yaroslava, **Yevheniia Butenko**, Victor Kabanets, Vasyl Filon, Lyudmyla Kriuchko, Liudmyla Bondarieva, Maryna Mikulina, Yevhen Yevtushenko, Anton Polyvanyi, and Vladyslav Kovalenko. Prospectives of Growing Energy Crops for the Production of Different Types of Biofuel. Ecological Engineering & Environmental Technology. 25(5) (2024), 191-197. doi:10.12912/27197050/185710. **Scopus Q3**

7. Vladyslav Kovalenko, **Yevheniia Butenko**, Pavlo Serdiuk, Arthur Shevych, Oleksandr Serdiuk, Viktor Zakorko. Implementation of the potential of dietary potato varieties in the conditions of the Northeastern Forest-Steppe of Ukraine. Modern Phytomorphology, 18, (2024), 52-55 https://doi.org/10.5281/zenodo.11212840 **Web of Science Q4**

8. Datsko O., Zakharchenko E., **Butenko Y**., Melnyk O., Kovalenko I., Onychko V., Solokha M. Ecological assessment of heavy metal content in Ukrainian soils. Ecological assessment of heavy metal content in Ukrainian soils. Journal of Ecological Engineering, (2024) 25(11). **Scopus Q2**

9. Datsko O., Zakharchenko E., **Butenko Y**., Rozhko V., Karpenko O., Kravchenko N., Khtystenko A. Environmental aspects of sustainable corn production and its impact on grain quality. Environmental aspects of sustainable corn production and its impact on grain quality. Ecological Engineering & Environmental Technology, 25(11), (2024), 163-167. DOI: 10.12912/27197050/192537 **Scopus Q3**

10. Volodymyr Trotsenko, **Yevheniia Butenko**, Oleksandr Ivchenko, Elina Zakharchenko, Oksana Datsko, Vitalii Yatsenko. Phytoremediation potential of Pisum sativum L.: Iron and Chromium uptake efficiency. Modern Phytomorphology, 18 (2024), 158-162 https://doi.org/10.5281/zenodo.14590914 **Web of Science Q4**

11. Lys N., **Butenko** Y., Kolisnyk O., Mostovenko V., Masyk I., Hlupak Z., Mikulina M., Sobran I., Livoshchenko Y., Sakhoshko M. (2025). Sustainable energy and biofuel potential of energy willow (Salix L.) biomass in the first year after harvesting in a long growing cycle. Ecological Engineering & Environmental Technology, 26(4), 342-346. https://doi.org/10.12912/27197050/202224 **Scopus Q3**

12. Uliana Karbivska, **Yevheniia Butenko**, Yaroslava Hryhoriv, Nelia Dolynko, Nataliia Bielova, Vitalii Kovalenko, Olesia Danylchenko, Nataliya Tymchuk, Andrii Stavytskyi, Roman Bordun Pro-ecological and energy-saving technologies for the use of meadow grasslands of different maturity, taking into account their biological characteristics and the environment. Ecological Engineering & Environmental Technology, 2025, 26(4), 121–129

https://doi.org/10.12912/27197050/200856 **Scopus Q3**

13. Oksana Datsko, Marek Jelinek, Vitalii Kovalenko, **Yevheniia Butenko,** Natalia Kravchenko, Maksym Hnitetskyi, Roman Bordun, Viktor Demenko, Lyudmyla Kriuchko, Roman Badzym. Pesticide use and implications for food security. Modern Phytomorphology, 19 (2025), 112-116. ISSN 2226-3063/eISSN 2227-9555. DOI: 10.5281/zenodo.200121. **Web of Science Q4**

14. **Yevheniia Butenko**, Nina Rudska, Nataliia Kovalenko, Anna Hotvianska, Vladyslav Horshchar, Roman Tkachenko, Svitlana Turchina, Liudmyla Dashutina, Maryna Mikulina, Valentina Toryanik. The impact of environmentally balanced agricultural systems on changes in the agrophysical state of typical chernozem soil and the energy management of sunflower cultivation. Journal of Ecological Engineering, 2025, 26(7), 428–437 https://doi.org/10.12911/22998993/203917, **Scopus Q2.**

Ось англійський переклад вашого наукового доробку, адаптований для міжнародних баз даних та наукових профілів (наприклад, ORCID, Google Scholar або CV).

PROFESSIONAL PUBLICATIONS (Category B)

1. **Mashchenko, O.A., & Butenko, Ye.Yu.** (2024). Influence of the fertilization system on the productivity of buckwheat varieties of different morphotypes in the conditions of the North-Eastern Forest-Steppe of Ukraine. *Agrarian Innovations*, No. 23, pp. 118-122. DOI: https://doi.org/10.32848/agrar.innov.2024.23.17
2. **Berdin, S.I., Onychko, T.I., & Butenko, Ye.Yu.** (2024). Formation of the yield of sunflower hybrids of different maturity groups in the conditions of the North-Eastern Forest-Steppe of Ukraine. *Irrigated Agriculture. Collection of Scientific Papers*, Vol. 82, pp. 5-10.
3. **Butenko, Ye.Yu., & Kravchenko, N.V.** (2025). Features of introducing French marigolds (*Tagetes patula*) into in vitro culture. *Recent Agrotechnologies*, 13(1). DOI: https://doi.org/10.47414/na.13.1.2025.322055
4. **Kravchenko, N.V., Podgaetskyi, A.A., & Butenko, Ye.Yu.** (2021). Potential of potato varieties by table qualities of tubers during testing in the conditions of the North-Eastern Forest-Steppe of Ukraine. *Herald of SNAU. Series: Agronomy and Biology*, Vol. 1 (43), pp. 26-36.

CONFERENCES

1. **Butenko, Ye.Yu., & Hryshak, K.O.** (2024). Determination of the reaction rate of potato varieties to growing conditions in the North-Eastern Forest-Steppe of Ukraine. *Scientific Method: Reality and Future Trends of Researching: Proceedings of the III International Scientific and Theoretical Conference*, March 8, 2024. Zagreb, Republic of Croatia, pp. 28-30. DOI: 10.36074/scientia-08.03.2024
2. **Butenko, A.O., Butenko, Ye.Yu., & Tkachenko, R.S.** (2024). Influence of technology elements under the action of agro-climatic factors on sunflower yield. *Scientific Method: Reality and Future Trends of Researching: Proceedings of the III International Scientific and Theoretical Conference*, March 8, 2024. Zagreb, Republic of Croatia, pp. 31-32. DOI: 10.36074/scientia-08.03.2024
3. **Butenko, Yevheniia Yu., Berezhna, Yuliia S., & Kravets, Vadym V.** (2024). Potential assessment of multicomponent annual grass mixtures. *Interdisciplinary Research: Scientific Horizons and Perspectives: Proceedings of the V International Scientific and Theoretical Conference*, May 3, 2024. Bern, Swiss Confederation. DOI: 10.36074/scientia-03.05.2024

4. **Butenko, Ye.Yu., Tryus, V.O., & Zubko, O.M.** (2024). Effectiveness of plant growth stimulator with anti-stress action and biofertilizer in soybean cultivation. *Scientific Foundations of Adaptive Agriculture: Proceedings of the International Scientific and Practical Conference*, May 16-17, 2024, Dnipro, Ukraine.
5. **Butenko, Ye.Yu., & Avramenko, V.M.** (2024). Improvement of technology elements for spring barley cultivation. *"Honcharov Readings": Proceedings of the International Scientific and Practical Conference*, May 24, 2024, Sumy, pp. 60-61.

TEXTBOOKS AND MONOGRAPHS

International Collective Monograph:

- **Yurii Mishchenko, Gennadiy Davydenko, Yevheniia Butenko.** (2025). *Optimization of the timing of plowing winter rye for green manure in buckwheat cultivation*. In: Innovations in science: current research and advanced technologies: Scientific monograph. Part 1. Riga, Latvia: Baltija Publishing, pp. 212-230. DOI: https://doi.org/10.30525/978-9934-26-531-0-8

CORE RESEARCH TOPICS

1. **"Improvement of elements of varietal technology for growing grain crops in the conditions of the North-Eastern Forest-Steppe of Ukraine"** (No. 0121U108973), 2020-2024.
2. **"Phytoremediation Strategies for Sustainable Soil Cleansing and Heavy Metal Removal Using Hyperaccumulator Plant Species"** (Oksana Datsko, Lesia Karpuk, Ihor Masyk, Andrii Butenko, Viktor Onychko, Yevheniia Butenko, Vitalii Yatsenko), 2025.

Commercial Research Projects (GDT):

1. **"Improvement of varietal agrotechnics of soybean"**. Contract No. 15-10-5 dated Oct 15, 2024 (2024–2025). LLC "Agrarne".

INTELLECTUAL PROPERTY RIGHTS

1. **Copyright Certificate No. 128163** (July 8, 2024). Article: "Implementation of the potential of dietary potato varieties in the conditions of the Northeastern Forest-Steppe of Ukraine".
2. **Copyright Certificate No. 127638** (June 18, 2024). Article: "Assessment of the effect of sunflower agrocenosis on the characteristics of the structural and aggregate composition of typical black soil".
3. **Copyright Certificate No. 131186** (Nov 11, 2024). Article: "Influence of the fertilization system on the productivity of buckwheat varieties of different morphotypes in the conditions of the north-eastern Forest-Steppe of Ukraine".
4. **Copyright Certificate No. 133378**. Article: "Formation of the yield of sunflower hybrids of different maturity groups in the conditions of the north-eastern Forest-Steppe of Ukraine".
5. **Copyright Certificate No. 135647** (April 29, 2025). Scientific literary work: "Zoning of soybean varieties by maturity groups".

6. **Copyright Certificate No. 133378** (Feb 11, 2025). Article: "Formation of yield of sunflower hybrids of various maturity groups in the conditions of the North-Eastern Forest-Steppe of Ukraine".

CORE TEACHING DISCIPLINES

- **Plant Production** (with the basics of fodder production).
- **Design of Technological Processes** in plant production.
- **Modeling and Forecasting** of agricultural crop yields.