

	<p>Vladyslav Hordiienko</p> <p><b>Personal profiles in scientometric databases:</b>  <i>ID Scopus –</i>  <i>Web of Science – MHQ-8008-2025</i>  <i>Publons -</i>  <i>Mendeley -</i>  <b>ORCID – 0009-0009-6471-0574</b>  <i>Scholar google - <a href="#">Посилання</a></i></p> <p>English language proficiency level- B2  (87331:5157:00002779:210599)</p>
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<p><b>Education</b></p>	<p><b>National Academy of the National Guard of Ukraine (NANGU)</b>  Faculty of Humanities, 2016–2022</p> <p><b>National Technical University "Kharkiv Polytechnic Institute" (NTU KhPI)</b>  Computer Technologies, 2022–2023</p>
<p><b>Professional work experience</b></p>	<p>Aimprosoft Company, 2021-2025.</p>
<p><b>MAIN RESEARCH ACTIVITIES</b></p>	
<p><b>Specialty</b></p>	<p>201 Agronomy</p>
<p><b>Supervisor</b></p>	<p><b>Andrii Oleksandrovykh Butenko</b>, PhD in Agricultural Sciences, Associate Professor of the Department of Agricultural Technologies and Soil Science.  <a href="#">Посилання</a></p>
<p><b>Thesis topic</b></p>	<p><b>Improvement of Maize Cultivation Technology in the Left-Bank Forest-Steppe of Ukraine</b></p>
<p><b>Period of PhD Studies</b></p>	<p>01.10. 2024 - 30.09. 2028</p>

**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*

1. **Voitovyk, M., Butenko, A., Prymak, I., Mishchenko, Y., Tkachenko, M., Tsyuk, O., Panchenko, O., Sleptsov, Y., Kopylova, T., Havryliuk, O.** 2022. Influence of fertilizing and tillage systems on humus content of typical chernozem. *Agraarteadus*, 34(1):44–50. DOI: 10.15159/jas.23.03.
2. Lys, N., Tkachuk, N., **Butenko, A.**, Kozak, M., Polyvanyi, A., Kovalenko, V., Pylypenko, V., Andrukh, S., Livoshchenko, Y., and Livoshchenko, L. (2023). Evaluation of the Efficiency of Energy Populus (Poplar) Growing Technology as an Alternative Source of Energy. *Journal of Ecological Engineering*, 24(12), pp.152-157. <https://doi.org/10.12911/22998993/173006>
3. Kovalenko, V., Kovalenko, N., Gamayunova, V., **Butenko, A.**, Kabanets, V., Salatenko, I., Kandyba, N., and Vandyk, M. (2024). Ecological and Technological Evaluation of the Nutrition of Perennial Legumes and their Effectiveness for Animals. *Journal of Ecological Engineering*, 25(4), pp. 294-304. <https://doi.org/10.12911/22998993/185219>
4. Kovalenko, V., Tonkha, O., Fedorchuk, M., **Butenko, A.**, Toryanik, V., Davydenko, G., Bordun, R., Kharchenko, S., and Polyvanyi, A. (2024). The Influence of Elements of Technology and Soil-Dimatic Factors on the Agrobiological Properties of *Onobrychis viciifolia*. *Ecological Engineering & Environmental Technology*, 25(5), pp.179-190. <https://doi.org/10.12912/27197050/185709>
5. Radchenko, M., Trotsenko, V., **Butenko, A.**, Hotvianska A., Gulenko O., Nozdrina N., Karpenko O., Rozhko V. (2024). Influence of seeding rate on the productivity and quality of soft spring wheat grain. *Agriculture and Forestry*, 70 (1): 91-103 <https://doi.org/10.17707/AgricultForest.70.1.06>
6. Radchenko, M., Trotsenko, V., **Butenko, A.**, Masyk, I., Bakumenko, O., Butenko, S., Dubovyk, O., Mikulina, M. (2023): Peculiarities of forming productivity and quality of soft spring wheat varieties. *Agriculture and Forestry*, 69 (4): 19-30. [doi:10.17707/AgricultForest.69.4.02](https://doi.org/10.17707/AgricultForest.69.4.02)

7. Karbivska U., Kurgak M., Gamayunova V., **Butenko A.**, Malynka L., Kovalenko I., Onychko V., Masyk I., Chyrva A., Zakharchenko E., Tkachenko O., Pshychenko O. (2020) Productivity and quality of diverseripe cereal grass fodder depending on the methods of soil cultivation. *Acta Agrobotanica*. 73 (3). Art. 7334, pp. 1-11.

<https://doi.org/10.5586/AA.7334>.

8. Kvitko M., Getman N., **Butenko A.**, Demydas G., Moisiienko V., Stotska S., Burko L., Onychko V. (2021) Factors of increasing alfalfa yield capacity under conditions of the forest-steppe. *Agraarteadus : Journal of agricultural science*, T. 32, №1, pp. 59-66.

<https://doi.org/10.15159/jas.21.10>.

9. Karbivska U., Masyk I., **Butenko A.**, Onychko V., Onychko T., Kriuchko L., Rozhko V., Karpenko O., Kozak M. (2022) Nutrient balance of sod-podzolic soil depending on the productivity of meadow agrophytocenosis and fertilization. *Ecological Engineering and Environmental Technology*, 23 (2), pp. 70 – 77. <https://doi.org/10.12912/27197050/144957>.

10. Karbivska, U., Asanishvili, N., **Butenko, A.**, Rozhko, V., Karpenko, O., Sykalo, O., Chernega, T., Masyk, I., Chyrva, A., and Kustovska, A. (2022). Changes in Agrochemical Parameters of Sod-Podzolic Soil Depending on the Productivity of Cereal Grasses of Different Ripeness and Methods of Tillage in the Carpathian Region. *Journal of Ecological Engineering*, 23(1), 55-63. <https://doi.org/10.12911/22998993/143863>.

11. Hryhoriv, Y., Lyshenko, M., **Butenko, A.**, Nechyporenko, V., Makarova, V., Mikulina, M., Bahorka, M., Tymchuk, D. S., Samoshkina, I., and Torianyk, I. (2023). Competitiveness and Advantages of Camelina sativa on the Market of Oil Crops. *Ecological Engineering & Environmental Technology*, 24(4), pp.97-103. <https://doi.org/10.12912/27197050/161956>

12. Karbivska U, **Butenko A**, Kozak M, Filon V, Bahorka M, Yurchenko N et al. Dynamics of Productivity of Leguminous Plant Groups during Long-Term Use on Different Nutritional Backgrounds. *Journal of Ecological Engineering*. 2023; 24(6): 190-196. <https://doi.org/10.12911/22998993/162778>

*Web of Science*

1. Hryhoriv Ya.Ya., **Butenko A.O.**, Trotsenko V.I., Onychko V.I., Kriuchko L.V., Hotvianska A.S., Bordun R.M., Tymchuk D.S., Bondarenko O.V., Nozdrina N.L.

(2022) Economic and energy efficiency of growing *Camelina sativa* under conditions of Precarpathians of Ukraine. *Modern Phytomorphology*. V.16. pp. 15-20. <https://doi.org/10.5281/zenodo.7735766>

2. Kovalenko V., Dolia M., Tonkha O., **Butenko A.**, Kokovikhin S., Onychko V., Masyk I., Onychko T., Radchenko M. (2023) Adaptation potential of alfalfa among other crops with resource-saving technologies while preserving ecological biodiversity. *Modern Phytomorphology*. V.17 (2). pp. 54-62. <https://doi.org/10.5281/zenodo.7966080>

3. V. Kovalenko, M. Dolia, O. Tonkha, **A. Butenko**, V. Onychko, I. Masyk, T. Onychko, M. Radchenko, S. Kokovikhin. 2023. Adaptation potential of alfalfa among other crops with resource-saving technologies while preserving ecological biodiversity. *Modern Phytomorphology*. 17: 57–65. DOI: 10.5281/zenodo.7966080

4. YA. Hryhoriv, **A. Butenko**, L. Kriuchko, O. Tykhonova, et al. The influence of care systems on biometric and yield indicators of oats. 2023. *Modern Phytomorphology*. 17: 66–70. DOI: 10.5281/zenodo.7966104

5. Hryhoriv, Ya.Ya., **Butenko, A.O.**, Moisiienko, V.V., Panchyshyn, V.Z., Stotska, S.V., Shuvar, I.A., Kriuchko, L.V., Zakharchenko, E.A. & Novikova, A.V. (2021). Photosynthetic activity of *Camelina sativa* plants depending on technological measures of growing under conditions of Precarpathians of Ukraine. *Modern Phytomorphology*. 15, 17-21. <https://www.webofscience.com/wos/woscc/full-record/WOS:000624678500005>

### *Professional (category B)*

1. Sobko, M.H., Butenko, A.O., Kriuchko, L.V., & Sobran, I.V. (2023). Influence of sowing dates of winter wheat and barley on the processes of formation of yield indicators. *Agrarian Innovations*, Kherson, No. 19, pp. 106-115. DOI: <https://doi.org/10.32848/agrar.innov.2023.19.17>

2. Hlupak, Z.I., & Butenko, A.O. (2022). Yield of corn hybrids for grain depending on the maturity group and standing density in the conditions of the Forest-Steppe of Ukraine. *Bulletin of Uman National University of Horticulture*, No. 2, pp. 5-10. DOI: [10.32782/2310-0478-2022-2-5-10](https://doi.org/10.32782/2310-0478-2022-2-5-10)

3. Mashchenko, O.A., & Butenko, A.O. (2024). Field

germination and survival of buckwheat plants depending on technology elements in the conditions of the North-Eastern Forest-Steppe of Ukraine. *Taurian Scientific Bulletin. Series: Agricultural Sciences*, Vol. 135, Part 1, pp. 111-117. DOI: <https://doi.org/10.32782/2226-0099.2024.135.1.15>

4. Mashchenko, O.A., & Butenko, A.O. (2024). Agrotechnical methods of increasing the realization of the genetic potential of buckwheat varieties for the conditions of the North-Eastern Forest-Steppe of Ukraine. *Irrigated Agriculture*, Vol. 81, pp. 32-37. DOI: <https://doi.org/10.32848/0135-2369.2024.81>

5. Sobko, M.H., Hlupak, Z.I., Kriuchko, L.V., & Butenko, A.O. (2022). Formation of yield and grain quality of modern winter wheat varieties of different geographical origin. *Agrarian Innovations*, Vol. 12, Kherson, pp. 60-69. DOI: [10.32848/agrar.innov.2022.12.10](https://doi.org/10.32848/agrar.innov.2022.12.10)

#### **CONFERENCES:**

1. Butenko, A.O., Tryus, V.O., Hubar, A.O., & Bielik, M.A. (2023). Basic principles of bioadaptive soybean cultivation technologies. *The 11th International scientific and practical conference "Problems of the development of science and the view of society"* (March 21–24, 2023), Graz, Austria. International Science Group, pp. 19-22. DOI: 10.46299/ISG.2023.1.11

2. Butenko, A.O., Mashchenko, O.A., Kuzmenko, R.O., & Kovalenko, Ye.V. (2023). Advantages of biologization technology for buckwheat cultivation in the conditions of the north-eastern forest-steppe of Ukraine. *The 10th International scientific and practical conference "Modern methods of applying scientific theories"* (March 14–17, 2023), Lisbon, Portugal. International Science Group, pp. 16-20. DOI: 10.46299/ISG.2023.1.10

3. Butenko, A.O., Mashchenko, O.A., Savorskyi, V.V., & Pichkobi, O.V. (2023). Assessment of buckwheat productivity under the influence of nutrition methods and their effectiveness. *IV International Scientific and Practical Conference "Researching advanced horizons of global progress: challenges and innovative concepts"*, Seville, Spain (13-15 December), pp. 52-54.

4. Mashchenko, O.A., Butenko, A.O., & Pidluzhnyi, T.E. (2024). Influence of cultivation technology elements on the formation of buckwheat quality indicators. *VI*

*International Scientific and Theoretical Conference "Theoretical and practical scientific achievements: research and results of their implementation"*, Pisa, Italy (26 April), pp. 84-86. DOI: <https://doi.org/10.36074/scientia-26.04.2024>

5. Butenko, A.O., Mashchenko, O.A., & Kriuchko, L.V. (2024). Reaction of buckwheat varieties to the use of different fertilization options. *International Scientific and Practical Conference "Scientific Foundations of Adaptive Agriculture"*, May 16-17, 2024, Dnipro, Ukraine.

#### **TEXTBOOKS AND MONOGRAPHS:**

**Industrial Crops: a textbook** / O.H. Zhatov, S.M. Kalenska, A.V. Melnyk, V.I. Trotsenko, H.O. Zhatova, V.I. Nahornyi, A.O. Butenko, T.I. Melnyk. – Sumy: Universytetska Knyha, 2013. – 359 p.

**Textbook "Plant Growing with the basics of standardization and storage of the harvest"** for students of the Faculty of Agrotechnologies and Natural Resource Management, specialties 201 "Agronomy", 202 "Plant Protection and Quarantine", Bachelor's degree. Sumy, 2020. 250 p. (Minutes of the Academic Council of SNAU No. 15 dated June 30, 2020).

**International Collective Monograph:** Yurii Mishchenko, Gennadiy Davydenko, Andriy Butenko. *Application of green fertilizers to restore the water resistance of the soil during buckwheat growing*. In: Traditions and new scientific strategies in the context of global transformation of society: Scientific monograph. Part 1. Riga, Latvia: Baltija Publishing, 2024. pp. 188-212. DOI: <https://doi.org/10.30525/978-9934-26-406-1-8>

#### **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" (0121U108973), 2020-2024.

2. "Agrobiological methods of optimizing the technology of growing annual fodder crops in the conditions of the North-Eastern Forest-Steppe of Ukraine" (0121U108974), 2020-2024.

#### **Economic Contract Topics (GDT):**

1. "Influence of monoculture on the characteristics of short-term crop rotation". Contract No. 20-5 dated May 20, 2022.
2. "Improvement of elements of sunflower cultivation technology". Contract No. 27-11-1 dated November 27, 2023.
3. "Influence of sowing dates in the system of winter wheat cultivation technology". Contract No. 19-10-3 dated October 19, 2023.
4. "Optimization of cultivation technology for soybean varieties in the conditions of 'Nizhyn Agro' LLC, Chernihiv region". Contract No. 11-4-3 dated April 11, 2023.
5. "Development of innovative methods for increasing the yield of grain crops under climate change conditions". Contract No. 10-9-1 dated September 10, 2024.

#### **State Budget Topics (DBT):**

1. Scientific substantiation of agrotechnological and economic parameters of cultivation and storage of crop products in organic production (0121U109561). Project period: 01.01.2021 to 31.12.2022.
2. Ukrainian-Lithuanian research project: "Development of organic farming: biodiversity conservation and overcoming the consequences of ecocide". 2024-2025.

#### **PATENTS AND COPYRIGHT CERTIFICATES:**

1. Certificate of copyright registration for a work No. 124565. Scientific work: "**Adaptation of various maize hybrids when grown for biomass**". Registration date: March 11, 2024.
2. Certificate of copyright registration for a work No. 115988. Scientific work: "**Microbiological Activity of Soil Under the Influence of Post-Harvest Siderates**". Registration date: January 19, 2023.
3. Certificate of copyright registration for a work No. 114928. Scientific work: "**Post-Harvest Siderates and Soil Hardness**". Registration date: September 23, 2022.

4. Certificate of copyright registration for a work No. 130989. Scientific work: "**Justification of organic agriculture parameters in potato growing with economic and marketing evaluation**". Registration date: October 30, 2024.
5. Certificate of copyright registration for a work No. 131281. Scientific work: "**Peculiarities of forming productivity and quality of soft spring wheat varieties**". Registration date: November 12, 2024.

## **INTERNATIONAL SCIENTIFIC RECOGNITION:**

1. Scientific expert and member of the Scientific Board of the journal **Ecological Engineering & Environmental Technology** (indexed in Scopus).
2. Reviewer of the scientific publication **Agronomy Research** (indexed in Scopus), 12.11.2024. Certificate authorization ID: 98fbac6d82-98fbac6d82.
3. Reviewer of the scientific publication **JCEA (Journal of Central European Agriculture)** (indexed in Scopus), 15.02.2025. ID 4688.
4. Reviewer of the scientific publication **Agronomy Research** (indexed in Scopus), 26.02.2025. Certificate authorization ID: 9384fd2207-2d8da0835f.

## **SCIENTIFIC CONSULTING FOR ENTERPRISES:**

1. Agricultural insurance expert at the National Joint-Stock Insurance Company "**Oranta**" (Sumy regional directorate).
2. Agricultural expert-advisor for providing socially-oriented advisory services on Agronomy and Agribusiness (Certificate No. 36 dated June 19, 2008).

**Teaching specialized disciplines in a foreign language:** English language proficiency certificate, **Level B2.**

SHAPE \\* MERGEFORMAT  
Vladyslav Hordienko