



*research projects,
core research
topics, patents,
copyright
certificates,
grants, etc.).*

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 Antonovskiy. 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 Agroecosystem 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 Stavtyskyi, 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**.

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). Yield formation of sunflower hybrids of different maturity groups in the conditions of the North-Eastern Forest-Steppe of Ukraine. *Irrigated Agriculture. Collection of Scientific Papers*, Issue 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 culinary qualities of tubers under testing in the conditions of the North-Eastern Forest-Steppe of Ukraine. *Herald of SNAU. Series: Agronomy and Biology*, Issue No. 1 (43), pp. 26-36.

CONFERENCES

- **Butenko, Ye.Yu., & Hryshak, K.O.** (2024). Determination of the reaction norm 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. DOI: 10.36074/scientia-08.03.2024
- **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. DOI: 10.36074/scientia-08.03.2024
- **Butenko, Yevheniia Yu., Berezhna, Yuliia S., & Kravets, Vadym V.** (2024). Evaluation of the potential 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
- **Butenko, Ye.Yu., Tryus, V.O., & Zubko, O.M.** (2024). Effectiveness of a 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.
- **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"** (Project No. 0121U108973), 2020-2024.
2. **"Phytoremediation Strategies for Sustainable Soil Cleansing and Heavy Metal Removal Using Hyperaccumulator Plant Species"** (Project Team: Oksana Datsko, Lesia Karpuk, Ihor Masyk, Andrii Butenko, Viktor Onychko, Yevheniia Butenko, Vitalii Yatsenko), 2025.

Economic Contract Research (GDT):

- **"Improvement of varietal agrotechnics for soybeans"**. Contract No. 15-10-5 dated Oct 15, 2024 (2024–2025). Client: "Agrarne" LLC.

INTELLECTUAL PROPERTY RIGHTS PROTECTION

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 yield of sunflower hybrids of various maturity groups in the conditions of the north-eastern Forest-Steppe of Ukraine".
5. **Copyright Certificate No. 135647** (April 29, 2025). Scientific written 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.