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<p>Education</p>	<p>Higher Education: Khmelnytskyi University of Management and Law named after Leonid Yuzkov</p>
<p>Professional Work Experience</p>	<p>Limited Liability Company "3D-DIAGNOSTIC" Position: Legal Adviser</p>
<p>MAIN RESEARCH ACTIVITY</p>	
<p>Specialty</p>	<p>H1 Agronomy</p>
<p>Supervisor <i>(Patronymic, Academic Degree, Academic Rank, Supervisor's Web Page Link)</i></p>	<p>Danylchenko Olesia Associate Professor of Agrotechnologies and Soil Science Department Candidate of Agricultural Sciences Web page: https://agro.snau.edu.ua/kafedri/kafedra-agrotehnologii_ta_gruntoznavstva/sklad-kafedri/danylchenko-olesya-mikola%D1%97vna/</p>
<p>Dissertation Topic</p>	<p>Productivity of Early-Ripening Soybean Varieties Depending on Seeding Rate and Biopreparations Under the Conditions of the Right-Bank Forest-Steppe of Ukraine</p>
<p>Duration of Studies in Postgraduate Program</p>	<p>October 1, 2025 – September 30, 2029</p>
<p>CORRESPONDENCE OF SUPERVISOR'S RESEARCH ACTIVITIES to the Aspirant's Dissertation Topic</p>	
<p>*NOTE <i>Information from the Supervisor (articles, monographs, conferences, state scientific research themes, basic scientific research topics, patents, copyright certificates, grants,</i></p>	<p>ARTICLES: <i>Scopus</i></p> <ol style="list-style-type: none"> 1. U. Karbivska, Y. Butenko, Yaroslava Hryhoriv, N. Dolynko, N. Bielova, V. Kovalenko, O. Danylchenko, N. Tymchuk, A.Stavytskyi, R Bordun. (2025). 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 and Environmental Technology 26 (4), 121-129 https://doi.org/10.12912/27197050/200856 2. Kovalenko, I., Bakumenko, O., Butenko, Y., Datsko, O., Zheldubovskyi, M.,

etc.)

Naumov, D., Kozhushko, N., Masyk, I., Osmachko, O., and **Danylchenko, O.** Varietal features and sowing dates of wheat winter as factors of increasing the sustainability of agroecosystems. *Journal of Ecological Engineering*. 2025, 26(10).

Web of Science

1. M. Karbivska, A.O. Butenko, V.I. Onychko, I.M. Masyk, Z.I. Hlupak, **O.M. Danylchenko**, T.I. Klochkova, O.L. Ihnatieva. Effect of the cultivation of legumes on the dynamics of sod-podzolic soil fertility rate. *Ukrainian Journal of Ecology*, 2019, 9(3), 8-12. (Web of Science (Emerging Sources Citation Index). DOI: 10.15421 / 2019_702.

2. Butenko A.O., Sobko M.G., Ilchenko V.O., Radchenko M.V., Hlupak Z.I., **Danylchenko O.M.**, Tykhonova O.M. Agrobiological and ecological bases of productivity increase and genetic potential implementation of new buckwheat cultivars in the conditions of the Northeastern Forest-Steppe of Ukraine. *Ukrainian Journal of Ecology*, 2019, 9(1), 162-168. (Web of Science (Emerging Sources Citation Index).

3. **Olesia Danylchenko**, Maksym Ponomarenko, Valentina Rozhko, Vladyslav Kovalenko, Olena Karpenko, Anna Hotvianska, Pavlo Serdiuk, Iryna Sologub, Arthur Shevych, Oleksandr Horpynchenko, Volodymyr Tokman. (2025). Mycorrhizal fertiliser varieties and the conditions necessary for their effective use. *Modern Phytomorphology* 19, 247-251

Professional Publications (Category B)

1. Radchenko M. V., Hlupak Z. I., Danylchenko O. M. Miscanthus cultivation under the conditions of the northeastern part of the Forest-Steppe of Ukraine. *Bulletin of Sumy NAU, series "Agronomy and Biology"*. Sumy, 2019. Issue 3 (37). P. 36-42.

2. Danylchenko O. M., Radchenko M. V., Hlupak Z. I. Efficiency of bacterial preparations in pea agrocenoses under the conditions of the northeastern Forest-Steppe of Ukraine. *Bulletin of Sumy NAU, series "Agronomy and Biology"*. Sumy, 2019. Issue 3 (37). P. 18-24.

3. Danylchenko O. M., Butenko A. O., Radchenko M. V. Productivity of lentils depending on seed inoculation and mineral nutrition under the conditions of the northeastern Forest-Steppe of Ukraine. *Bulletin of Uman National University*. Uman, 2020. №2. P. 19-22.

4. Hlupak Z.I. Main changes in the new wheat standard Z.I. Hlupak, M.V. Radchenko, O.M. Danylchenko, S. Aliyev // *Tavrian Scientific Bulletin: scientific journal*. – Kherson: Publishing House "Helvetica", 2020. – Issue 111. – P.49-55.

5. Danylchenko O. M., Tkachenko R. S. Influence of seeding rate on morphological characteristics and seed yield of sunflower hybrids under the conditions of the Left-Bank Forest-Steppe of Ukraine. *"Irrigated Agriculture"*. Interdepartmental thematic scientific collection. 2024. № 82. P. 31-36. DOI <https://doi.org/10.32848/0135-2369.2024.82.5>

CONFERENCES:

1. Butenko A. O. Quality of forage from legume-cereal grass mixtures depending on agrotechnical measures / A.O. Butenko, O. M. Danylchenko, V. F. Pozhar // *Modern scientific challenges and trends*. 2020. Warsaw on 20th February, p. 18-22. ISBN 978-83-949403-3-1

2. Danylchenko O. M. Influence of seed inoculation with bacterial preparations on the growth and development of fodder beans / O. M. Danylchenko, M. O. Dyachenko // *International Scientific and Practical Conference "World Development as a Result of Achievements in Science and Scientific Research"* (October 9, 2020). Lisbon, Portugal, 2020. P. 99-102.

3. Danylchenko O.M. Formation of symbiotic apparatus of lentils depending on seed inoculation and mineral nutrition. *Proceedings of the VIII International Scientific and Practical Conference "State and Prospects for the Development and Implementation of Resource-Saving, Energy-Saving Technologies for Growing Agricultural Crops"* dedicated to the 90th anniversary of the Faculty of Agronomy of Dnipro State Agrarian and Economic University (1934–2024). (Dnipro, November 19–20, 2024). Dnipro:

DDAEU, 2024. 196 p. P. 17-19.

4. Danylchenko O. M., Matosov V. S. Influence of bacterial preparations on sowing qualities of soybean seeds. Abstracts of the International Scientific and Practical Internet Conference dedicated to the 150th anniversary of the birth of outstanding Ukrainian scientist-botanist Rozhstvensky Boris Mykolaiovych "Modern Technologies in Plant Growing" (November 27-28, 2024). – Kharkiv, 2024. P. 52-56.

5. Danylchenko O.M. Influence of technological methods on the productivity of legume crops under the conditions of the Forest-Steppe of Ukraine. Theoretical and practical aspects of modern scientific research: collection of scientific papers "ΛΟΓΟΣ" with materials of the V International Scientific and Practical Conference. (Seoul, January 24, 2025). Vinnytsia Seoul: LLC "UKRALOGOS Group", 2025. 492 p. P. 163-166.

TEXTBOOKS AND MONOGRAPHS:

1. Educational Textbook "Plant Growing with Basics of Standardization and Harvest Storage" for students of Agrotechnologies and Nature Management Faculty, specialty 201 "Agronomy", 202 "Plant Protection and Quarantine" BA degree program, Sumy, 2020. 250 pages. (Academic Council Protocol of SNAU No. 15 dated 30.06.2020)

2. Educational Textbook "Laboratory Work in Agronomy", Sumy, 2020. P. 237 (Academic Council Protocol of SNAU No. 12 dated 27.04.2020) ISBN 978-617-7487-67-7

3. Olesia Danylchenko, Mykola Radchenko. Peculiarities of legume seeds yield formation and ways to improve their quality (2024). Science, technology and innovation in the context of global transformation: Scientific monograph. Riga, Latvia: Baltija Publishing, 2024. 616 p. P. 1-24 DOI: <https://doi.org/10.30525/978-9934-26-499-3-1>

BASIC RESEARCH TOPICS:

1. Study of peculiarities of energy crops field formation under the conditions of the northeastern Forest-Steppe of Ukraine (0120U102165), 2020-2025

2. Study of peculiarities of energy crops yield formation under the conditions of the northeastern Forest-Steppe of Ukraine (1025U001448), 2025-2029

RESEARCH CONTRACTS (GDT):

1. Improvement of elements of soybean cultivation technology under the conditions of Sumy District of Sumy Region. Contract No. 10-10-5 dated 10.10.2025

2. Improvement of elements of sunflower cultivation technology under the conditions of Yarmolyntsi District of Khmelnytskyi Region. Contract No. 16-10-6 dated 16.10.2025.