

Europass Curriculum Vitae



Personal information

First name(s) / Surname(s) **Andriy Melnyk**
Address(es) H. Kondratiyeva Str., 165/148, fl. 51, Sumy, Ukraine
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Web of Sciences ID: W-7095-2018<https://www.researcherid.com/Confirmation.action>
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Google Scholar: <https://scholar.google.com.ua/citations?user=X3CYalgAAAAJ&hl=uk>

Nationality Ukrainian

Date of birth 16.05.1972

Gender Male

Current employment / Occupational field **Professor of the department of Agrotechnologies and Natural Resource Management,
Doctor of Agricultural Sciences,
Sumy National Agrarian University**

Work experience **Teaching and scientific activity in the sphere of Agrotechnologies and Natural Resource Management**

Dates 04.1994 till now

Occupation or position held Assistant of plant-growing department (1994-1999)
Assistant professor of plant-growing department (2000-2013)
Professor of Agrotechnologies and Natural Resource Management department (2013 till now)
from 02.12.2025 – Head of the Department of Horticulture and Forestry (part-time professor of the Department of Agricultural Technologies and Soil Science).

Main activities and responsibilities Teaching and scientific activity in the sphere of Agrotechnologies and Natural Resource Management.
Head of research and development works for International company "BAYER" LLC in the direction of "Study of the effectiveness of chemical and biological preparations for the cultivation crops in Leftbank forest-steppe of Ukraine" in the period 2016-2025.

Name and address of employer Sumy National Agrarian University, 160 H. Kondratiyeva Str., Sumy, 40021, Ukraine
Type of business or sector Higher educational establishment (Agricultural and Natural Resource Management Sector)

Education and training

Dates 09.1989-12.1993
 Title of qualification awarded Agronomist scientist
 Principal subjects/occupational skills covered Crop production and processing technology
 Name and type of organisation providing education and training Sumy Agricultural University (present time - Sumy National Agrarian University), Ukraine
 Level in national or international classification Dipl. Ing. (University)

Dates 07.2016-12.2017
 Title of qualification awarded Landscape planning and horticulture
 Principal subjects/occupational skills covered Landscape planning and horticulture
 Name and type of organisation providing education and training Sumy Agricultural University (present time - Sumy National Agrarian University), Ukraine
 Level in national or international classification Dipl. Magister. (University)
 Level in national or international classification PhD in Agricultural Sciences

Scientific activity

Dates 1995-1998
 Title of qualification awarded Candidate of Agricultural Sciences
 Principal subjects/occupational skills covered Plant growing and seeds selection
 Name and type of organisation providing education and training Sumy National Agrarian University, Ukraine
 Level in national or international classification Assistant professor of Agricultural Sciences

Dates 1998-2013
 Title of qualification awarded Doctor of Agricultural Sciences
 Principal subjects/occupational skills covered **Plant growing and stress resistance of plant**
 Name and type of organisation providing education and training Sumy National Agrarian University, Ukraine
 Level in national or international classification Professor of Agricultural Sciences

Personal skills and competences

Responsible, sociable, energetic, flexible.

Mother tongue(s) Ukrainian

Other language(s) **English**

Self-assessment
European level ()*

English

Russian

Understanding				Speaking				Writing	
Listening		Reading		Spoken interaction		Spoken production			
B2	Independent user	B2	Independent user	B2	Independent user	B2	Independent user	B2	Independent user
C2	Proficient user	C2	Proficient user	C2	Proficient user	C2	Proficient user	C2	Proficient user

Social skills and competences	<p>Deputy chairman of the expert group for evaluating the effectiveness of the activities of higher education institutions in terms of their scientific (scientific and technical) activities in the scientific direction "Agrarian sciences and veterinary medicine" (Order of the Ministry of Education and Culture No. 1111 of 09.07.2020).</p> <p>Member of the expert council of the Ministry of Education and Culture of Ukraine on the certification of scientific personnel of the agro-industrial complex and food (Order of the Ministry of Education and Culture No. 1092 dated 02.12.2022).</p> <p>Member of the editorial board of the scientific journal "Bulletin of the Sumy National Agrarian University. "Agronomy and Biology" series. I have experience of participating in 55 international scientific conferences. Participated in two international projects in the field of landscape planning and agricultural. Held an internship at Nürtingen University, (Germany, 2003).</p> <p>He has completed an internship (training) at the Nürtingen University (Germany, 2007), Henan Institute of Science and Technology (China, 2019), University of Applied Sciences Weihenstephan-Triesdorf (Germany, 2023).</p>
Organisational skills and competences	Organized visits of foreign teachers and students to Ukraine within the framework of program's experiences. Twice performed the development of international projects in the field of natural resource management. Was a co-director of the post-graduate students' project from Germany.
Computer skills and competences	Competent with most Microsoft Office programmes, Statistics and SPSS
Driving licence	Category A (motorbike), B (car)
Additional information:	

**The researches in which the advanced study is conducted are of the following direction:
“Determination of optimum terms of realization of biological potential and stress resistance
of oil and energy crops.**

I have 6 copyright certificates for the plant varieties, and I am the author of 155 scientific papers (18 cited in international scientometric databases WoS and Scopus) published in different editions of Ukraine, Bosnia, Turkey, Jordan, Poland, Romania, Estonia, Indonesia.

1. Melnyk A. V., Akuaku J., Makarchuk A. V. State and prospects of sunflower production in Ukraine // *AGROFOR International Journal*, Vol.2 Issue N0 3, 2017. – P. 116–123.
2. Melnyk A. V., Abu Obaid, Onichko V. I., Ismael F. M. Evaluation of six sunflower cultivar for forage productivity under salinity condition // *Advantes in Environmental Biology*, 12 (7), 2018. – P. 13–15.
3. Melnyk A. V., Akuaku J., Makarchuk A. V Productivity and quality of high-oleic sunflower seeds as influenced by foliar fertilizers and plant growth regulators in the Left-Bank Forest-Steppe of Ukraine. // *AgroLife Scientific Journal* Volume 8, No. 1.- 2019- P. 167-175. WoS.
4. Peipei JIA, A. Melnyk, Zhiyong ZHANG. EFFECTS OF DIFFERENT PLANT GROWTH REGULATORS IN A CULTURE ROOM ON SEEDLING MORPHOLOGY PARAMETERS OF *Brassica juncea* L // *Agro Life Scientific Journal* Volume9, No. 1. – 2020. - P. 180-185. WoS.
5. **Melnyk A.**, Akuaku J., Melnyk T., Makarchuk A. Influence of photosynthetic apparatus on the productivity of high-oleic sunflower depending on climatic conditions in the left-bank forest-steppe of Ukraine // *Bulgarian Journal of Agricultural Science (BJAS)* Number 4. – 2020. Scopus and WoS.
6. Akuaku J., **Melnyk A.**, Zherdetska S., Melnyk T., Surgan O., Makarchuk A. Yield and quality of confectionery sunflower seeds as affected by foliar fertilizers and plant growth regulators in the leftbank forest-steppe of Ukraine // *University of Agronomic Sciences and Veterinary Medicine of Bucharest Faculty of Agriculture SCIENTIFIC PAPERS SERIES A. AGRONOMY* Volume LXIII, No. 1, 2020. – P. 155-166. WoS.
7. **Melnyk A.**, Melnyk T., Surgan O., Tokman V., Akuaku J. Influence of weather and mineral fertilizers on growth, flowering and flowerquality of China Asterinthe Northeastern Forest-steppe of Ukraine Current issue - *Scientific Papers. Series B. Horticulture*, Vol. LXIX, No. 2, 2020 WoS.
8. **Melnyk Andrii**, Jia Peipei, Zhang Zhiyong, Butenko Sergey, Kolosok Volodymyr. Effect of seed pre-treatment with plant growth compound regulators on seedling growth under drought stress // *Agraarteadus*. - 2021 – том 32, випуск 2, С. 251–256. Scopus.
9. Pei Jia, **Andrii Melnyk**, Zhi Zhang, li li, Xiang Kong, Hai Dai, Sergey Butenko. Effects of drought and rehydration on the growth and physiological characteristics of mustard seedlings // *Journal of Central European Agriculture*. - 2021 – том 22, випуск 4, С. 836–847. Scopus.
10. Jia P., **Melnyk A.**, Zhang Z. Differential adaptation of root and shoot to salt stress correlates with antioxidant capacity in mustard. // *Pakistan journal of botany*. 2022. № 54 (6). P. 2001–2011. Scopus.
11. Sergey Butenko, **Andrii Melnyk**, Tetiana Melnyk, Peipei Jia, Volodymyr Kolosok. Influence of Growth Regulators with Anti–Stress Activity on Productivity Parameters of *Sinapis alba* L. // *Journal of Ecological Engineering* 2022, 23(9), 128–135. Scopus.
12. **Andriy Melnyk**, Yuriy Romanko, Anhelina Dudka, Vika Chervona, Maxim Brunyov, Evhen Sorokolit. Ecological elasticity of soy varieties' performance according to climatic factors in Ukraine. *AgroLife Scientific Journal*. 2022. Volume 11. No. 2. P. 91–99. DOI: <https://doi.org/10.17930/AGL2022212>
13. **Andrii Melnyk**, Peipei Jia, Tetiana Melnyk, Andrii Butenko, Volodymyr Kolosok, Sergey Butenko. The influence of plant growth regulators on morphological indexes and performance of *Brassica juncea* l. in the forest-steppe of Ukraine. *Proceedings of the 3rd International Conference on Agriculture, Indonesia, (ICA 2022)* Atlantis press. (Part of Springer Nature) Series: *Advances in Biological Sciences Research*. 2023. P. 11–19. Scopus DOI: https://doi.org/10.2991/978-94-6463-168-5_3
14. Elina Zakharchenko, Oksana Datsko, Yurii Mishchenko1, **Andrii Melnyk**, Liudmyla Kriuchko, Serhii Rieznik, Anna Hotvianska Efficiency of biofertilizers when growing corn for grain *Modern Phytomorphology*. 2023. Volume: 17. P. 50–56. Scopus

15. Yan, T., Kremenetska, Y., He, S., Melnyk, T. & **Melnyk, A.** (2023). The relationship between soil physicochemical properties and vegetation biodiversity in newly formed reservoir buffer strips. *Applied ecology and environmental research*. 21(4): 3153-3175. DOI: http://dx.doi.org/10.15666/aeer/2104_31533175 e-ISSN: 2071-1050.
Main scientific papers you can see in this page
16. Klymenko, H; Artemenko, D; Klymenko, I ; Kovalenko, N; **Melnyk, A**; Butenko, S; Horbas, S ; Tovstukha, O. Criteria for evaluating the state of rare plant species populations. *Modern Phytomorphology*, Volume: 17 Page numbers: 98-106. Year: 2023. DOI: 10.5281/zenodo.200121
17. Victoria Papchenko, Galyna Stepankova, Olena Karatieva, Aryna Balandina, Denis Shapovalenko, Andrii Kariuk, Olha Bakumenko, **Andrii Melnyk**, Liudmyla Kriuchko, Serhii Rieznik. Determining the effect of raw materials moisture and lipid content on the technological properties of the extruded protein-fat system // *Technology and Equipment of Food Production: food technology*. № 4 (124). 2023. P. 37–46.
18. **Andrii Melnyk**, Anhelina Dudka, Yuriy Romanko, Li Ruijie, Yevhen Sorokolit, Tetiana Melnyk, Vika Chervona. Varietal features of the formation of quality indicators and amino acid composition of soybean grain under the conditions of the left-bank forest-steppe of Ukraine. // *Journal of Ecological Engineering* 2025, 26 (5), 366–376. <https://doi.org/10.12912/27197050/203372>
19. **Melnyk A. V.**, Shabbir G., Butenko S. O., Kostyna T. P. Economic and energy efficiency of growing oilseed crops of the Brassica family depending on the use of fertilizers in the conditions of the northeastern Forest-Steppe of Ukraine // *Bulletin of the Sumy National Agrarian University. Series "Agronomy and biology"*. 2024. No. 3 (57). P. 99 –107. DOI <https://doi.org/10.32782/agrobio.2024.3.13>
20. Ruijie, L., Sorokolit, Ye., **Melnyk, A.**, Dudka, A., & Butenko, S. (2024). Effect of a growth regulator on the salt resistance of soybean Zheng 196 at the seeding stage. *Plant and Soil Science*, 15(4), 40-49. <https://doi.org/10.31548/plant4.2024.40>
21. **Andrii Melnyk**, Anhelina Dudka, Yuriy Romanko, Li Ruijie, Yevhen Sorokolit, Tetiana Melnyk, Vika Chervona. Varietal features of the formation of quality indicators and amino acid composition of soybean grain under the conditions of the left-bank forest-steppe of Ukraine. // *Journal of Ecological Engineering* 2025, 26 (5), 366–376. <https://doi.org/10.12912/27197050/203372>

<https://scholar.google.com.ua/citations?user=X3CYalgAAAAJ&hl=uk>

Professor Andrii Melnyk author of 3 books and 3 monographs, 155 guidelines for students.

Projects Experience:

2004 - IP SOIL I (29312-IC-1-2003-1-AT-ERASMUSIPUC-3)
 2006 - IP SOIL III (29312-IC-1- 2003-1-AT-ERASMUSIPUC-7)
 2005-2007 - Exchange program (University Nurlingen, Germany)
 2008 - Lifelong Learning Program Sub-programs Multilateral Projects, Networks, Accompanying measures (University of Natural Resources and Applied Life Sciences, Austria);
 2016–2019 - Team Leader from SNAU in Project of German-Ukrainian cooperation in the field of organic farming (Federal Ministry of Food and Agriculture of Germany (hereinafter: BMEL) and the Ministry of Agriculture and Food of Ukraine (hereinafter: MAPP) in May 18, 2016 signed a protocol.
 2023 - Staff Mobility Agreement for training - Incoming - KA1072020 (University of Applied Sciences Weihenstephan-Triesdorf, Germany (from 01/06/2023 till 28/07/2023).
 2025-2026 – Post-war monitoring of urbanised ecosystems and phytoremediation in the North-Eastern Forest-Steppe zone of Ukraine (Ministry of Foreign Affairs of the Czech Republic, Czech University of Life Sciences Prague).
 2025-2028 – DUJAHN (University of Applied Sciences Weihenstephan-Triesdorf, Germany).

General experience in scientific and educational work is 31 years.

Professor Andrii Melnyk has prepared 11 PhD (four foreigners from Ghana, Pakistan, Kuwait and China).

For the moment is preparing six graduate students.

Head of research and development works for International company "BAYER" LLC in the direction of "Study of the effectiveness of chemical and biological preparations for the cultivation crops in Leftbank forest-steppe of Ukraine" in the period 2016-2025.