



# Oksana Datsko

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**Date of birth**: 6 Dec 1994 **Nationality**: Ukrainian

## WORK EXPERIENCE

[ 1 Sep 2024 – Current ]

### Senior lecturer

**Sumy National Agrarian University**

**City**: Sumy | **Country**: Ukraine

[ 1 Sep 2023 – 31 Aug 2024 ]

### University teaching assistant

**Sumy National Agrarian University**

**City**: Sumy | **Country**: Ukraine

## EDUCATION AND TRAINING

[ 15 Mar 2024 – Current ]

### PhD

**Sumy National Agrarian University** <https://snau.edu.ua/>

**Address**: H. Kondratieva str. 160, 40021, Sumy, Ukraine | **Field(s) of study**: Agriculture, forestry, fisheries and veterinary: • *Agriculture not further defined* | **Level in EQF**: EQF level 8

[ 31 Aug 2012 – 29 Jun 2016 ]

### Bachelor`s degree, Agronomy, Agronomy Process Engineer

**Sumy National Agrarian University**

**Address**: H. Kondratieva str. 160, Sumy, 40021, Sumy, Ukraine |

[ 31 Aug 2016 – 26 Dec 2018 ]

### Master`s degree, Agronomy, Rational Use of Main Resources in Farming, Agronomist-researcher

**Sumy National Agrarian University** <https://snau.edu.ua/>

**Address**: H. Kondratieva str. 160, 40021, Sumy, Ukraine |

## LANGUAGE SKILLS

**Mother tongue(s)**: Ukrainian

**Other language(s)**:

### German

LISTENING B1 READING B1 WRITING A2

SPOKEN PRODUCTION B1 SPOKEN INTERACTION B1

### English

LISTENING B2 READING B2 WRITING B1

SPOKEN PRODUCTION B1 SPOKEN INTERACTION B1

*Levels: A1 and A2: Basic user; B1 and B2: Independent user; C1 and C2: Proficient user*

## CONFERENCES AND SEMINARS

[ 31 Oct 2021 – 25 Nov 2021 ]

**"Technical support of innovative technologies in the agro-industrial complex"**

Melitopol, Ukraine

[ 29 Jun 2021 ] **Carbon stocks of Ukrainian Chernozems as a function of Land use and Climate change**  
on-line

[ 18 May 2021 ] **Carbon stocks of Ukrainian Chernozems as a function of Land use and Climate change**  
on-line

[ 24 May 2020 – 25 May 2020 ] **International scientific-practical conference "Goncharov readings"** Sumy National Agrarian University

Goncharov Readings: Proceedings of the International Scientific and Practical Conference Dedicated to the 91st Anniversary of the Birth of Doctor of Agricultural Sciences, Professor Mykola Demyanovych Honcharov

[ 12 Apr 2020 – 16 Apr 2020 ] **Scientific-practical conference of teachers, graduate students and students of Sumy NAU**  
Sumy National Agrarian University

[ 28 Nov 2021 – 29 Nov 2021 ] **2nd Multidisciplinary Conference for Young Researchers - Sustainable Development Trends and Challenges under COVID-19**  
Sumy, Ukraine

[ 19 Jan 2022 – 20 Jan 2022 ] **Sustainable development of agriculture - basis of food security of Ukraine** online

## **PUBLICATIONS**

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[ 2024 ] **[Ecological assessment of heavy metal content in Ukrainian soils.](#)**

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

[ 2024 ] **[Modern methods of soil remediation. Phytoremediation as a key to soil purification and ecosystem preservation](#)**

Datsko, O. M., & Yatsenko, V. M. (2024). Modern methods of soil remediation. Phytoremediation as a key to soil purification and ecosystem preservation. *Agrarian innovations*, (25), 20-24.

[ 2024 ] **[Increasing soil fertility as a factor in the sustainability of agriculture and resilience to climate change.](#)**

Datsko, O., Kovalenko, V., Yatsenko, V., Sakhoshko, M., Hotvianska, A., Solohub, I., Horshchar, V., Dubovyk, I., Kriuchko, L., Tkachenko, R. (2024). Increasing soil fertility as a factor in the sustainability of agriculture and resilience to climate change. *Modern Phytomorphology*, 18(4), 110-113.

[ 2024 ] **[Environmental aspects of sustainable corn production and its impact on grain quality](#)**

Datsko, O., Zakharchenko, E., Butenko, Y., Rozhko, V., Karpenko, O., Kravchenko, N. ... Khtystenko, A. (2024). Environmental aspects of sustainable corn production and its impact on grain quality. *Ecological Engineering & Environmental Technology*, 25(11).

- [ 2024 ] [\*\*Increasing soil fertility as a factor in the sustainability of agriculture and resilience to climate change\*\*](#)
- Datsko, O., Kovalenko, V., Yatsenko, V., Sakhoshko, M., Hotvianska, A., Solohub, I., Horshchar, V., Dubovyk, I., Kriuchko, L., Tkachenko, R. (2024). Increasing soil fertility as a factor in the sustainability of agriculture and resilience to climate change. *Modern Phytomorphology*, 18, 110-113.
- [ 2024 ] [\*\*Pre-sowing inoculation system and its associated expenses\*\*](#)
- Shelest, M., Zubko, V., Butenko, A., Zhyhylii, D., Datsko, O. (2024). Pre-sowing inoculation system and its associated expenses. *Modern Phytomorphology*, 18, 165-169.
- [ 2024 ] [\*\*The Influence of Organic Growing of Maize Hybrids on the Formation of Leaf Surface Area and Chlorophyll Concentration\*\*](#)
- Write here the descrZakharchenko, E., Datsko, O., Butenko, S., Mishchenko, Y., Bakumenko, O., Prasol, V. ... Novikova, A. (2024). The Influence of Organic Growing of Maize Hybrids on the Formation of Leaf Surface Area and Chlorophyll Concentration. *Journal of Ecological Engineering*, 25(5), 156-164. <https://doi.org/10.12911/22998993/186162> n...
- [ 2024 ] [\*\*Efficient maize cultivation: pre-sowing seed inoculation system-optimal nozzle pressure and diameter\*\*](#)
- Shelest, M. S., Shuliak, M. L., Butenko, A. O., Bakumenko, O. M., Zubko, V. M., Datsko, O. M., ... & Rieznik, S. V. (2024). Efficient maize cultivation: pre-sowing seed inoculation system-optimal nozzle pressure and diameter. *Agronomy Research*, 22.
- [ 2023 ] [\*\*System of pre-sowing seed inoculation\*\*](#)
- Shelest, M., Kalnaguz, A., Datsko, O., Zakharchenko, E., & Zubko, V. (2023). System of pre-sowing seed inoculation. *Scientific Horizons*, 26(7), 140-148.
- [ 2023 ] [\*\*Efficiency of biofertilizers when growing corn for grain\*\*](#)
- Elina Zakharchenko, Oksana Datsko, Yurii Mishchenko, Andrii Melnyk, Liudmyla Kriuchko, Serhii Rieznik, Anna Hotvianska
- [ 2022 ] [\*\*Post-Harvest Siderates and Soil Hardness\*\*](#)
- Mishchenko, Y., Kovalenko, I., Butenko, A., Danko, Y., Trotsenko, V., Masyk, I., ... & Datsko, O. (2022). Post-Harvest Siderates and Soil Hardness. *Ecological Engineering & Environmental Technology*, 23(3), 54-63.
- Link:** <https://doi.org/10.12912/27197050/147148>
- [ 2022 ] [\*\*CONSTRUCTION OF THE CLIMATE CHAMBER WITH THE LIGHTING ADAPTED FOR GROWING OF AGRICULTURAL CROPS\*\*](#)
- Shelest, M. S., Datsko, O. M., & Zakharchenko, E. A. (2022). CONSTRUCTION OF THE CLIMATE CHAMBER WITH THE LIGHTING ADAPTED FOR GROWING OF AGRICULTURAL CROPS. *Bulletin of Sumy National Agrarian University. The Series: Mechanization and Automation of Production Processes*, (2 (44), 54-58.
- Link:** <https://doi.org/10.32845/msnau.2021.2.11>
- [ 2022 ] [\*\*The characteristics of tillage methods under maize cultivation\*\*](#)

**Reference:** Datsko O.M., Zakharchenko E.A.

[ 2021 ] **PLANT PROBIOTICS: EFFECT ON CROPS UNDER STRESS**

**Reference:** Bulletin of Sumy National Agrarian University. The Series: Agronomy and Biology, 43(1), 10-18.

[ 2020 ] **Soil probiotics in plant growing**

Collection of scientific articles of young scientists, graduate students and students of Sumy

National Agrarian University. - Sumy, 2020. - 11 - 14 p.

[ 2020 ] **QUANTITATIVE INDICATORS OF USE OF MINERAL AND ORGANIC FERTILIZERS IN UKRAINE AND EUROPE**

"Goncharov readings": materials of the International scientific-practical conference dedicated to the 91st anniversary of the birth of the doctor of Agricultural Sciences, Professor Mykola Demyanovych Honcharov, Sumy, May 25-26, 2020. Sumy, 2020. 55 - 58 p.

[ 2020 ] **JUSTIFICATION OF THE USE OF POTASSIUM HUMAT FOR FOLIAR FEEDING**

Proceedings of the scientific-practical conference of teachers, graduate students and students

Sumy NAU (April 17-20, 2020). - Sumy, 2020. - 70 p.

[ 2018 ] **Content of hydrolyzed nitrogen and soil structure under different methods of tillage**

Bulletin of Sumy National Agrarian University: scientific journal. - Ser. "Agronomy and Biology" / Sumy National Agrarian University. - Sumy: SNAU, 2018. - 9 (36). - P. 119-124.

## **PROJECTS**

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[ 31 Jul 2021 – Current ] **Sowing treatment of seeds with liquid biofertilizers**

Improvement of the sowing process, namely integration into the sowing system of the apparatus for seed treatment with biofertilizers directly during the technological operation. The project took part in the competition "Field Health" from AgroPortal and AgriLab and took 3rd place.