

**Biography****Personal information:****Given name, middle name, surname****Osmachko Olena Mykolaivna****Address:**

st. H. Kondratieva, 110/88, city Sumy, Ukraina., 40021

**Telephone:**

+380663626972

**Факс**

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**Email:**

Lenaosmachko1978@ukr.net

**Nationality:**

Ukrainian

**Date of birth**

16.08.1978 p.

**Sex:**

It's a female dog

**Teacher qualifications**

Candidate of Agricultural Sciences, Associate Professor in the Department of Horticulture and Forestry

**Professional experience:****Date**

27.12.2002 – 24.10.2003

**Position**

Accountant

**Primary responsibilities**

Kept accounting records. Prepared financial statements. Received citizens. Assisted them in exercising their rights and monitored the fulfillment of their duties

**Institution name and address:**

VZhREU-1, 70 Petropavlivska st., Sumy, Ukraine, 40021

**Type of business or industry**

Service industry

**Date**

15.11.2003 – 22.10.2012

**Position**

Agricultural engineer first category, junior research associate, department of Breeding, and Seed Production SNAU

**Primary responsibilities**

Research in potato breeding and seed production

**Institution name and address:**

Sumy National Agrarian University st. G. Kondratieva 160, Sumy, Ukraine, 40021

**Type of business or industry**

Agrarian science

**Date**

24.11.2014 – 16.11.2015

**Position**

Plant Protection Engineer

**Primary responsibilities**

Was responsible for a range of complex tasks within the department, including setup and operation of scientific and educational equipment.

**Institution name and address:**

Sumy National Agrarian University st. G. Kondratieva 160, Sumy, Ukraine, 40021

**Type of business or industry**

Agrarian science

**Date**

17.11.2015 – 30.06.2021

**Position**

Senior Laboratory Technician Department of Plant Protection

**Primary responsibilities**

I am responsible for office management, including incoming and outgoing correspondence, workload distribution among faculty members, preparation of academic reports, and organization of practical and laboratory classes. I also serve as the secretary of the admissions committee, managing applicant documentation: 202 – Plant protection and quarantine, 205 – Forestry, 206 – Horticulture.

**Institution name and address:**

Sumy National Agrarian University st. G. Kondratieva 160, Sumy, Ukraine, 40021

<b>Type of business or industry</b>	Agrarian science
<b>Date</b>	11.01.2016 – 30.06.2021 pp.
<b>Position</b>	Teaching Assistant, senior Lecturer, associate Professor in Plant Protection
<b>Primary responsibilities</b>	Teaching and research activities in wheat breeding, crop protection against pests and diseases, floriculture, ornamental plant nursery, and seed production.
<b>Institution name and address:</b>	Sumy National Agrarian University st. G. Kondratieva 160, Sumy, Ukraine, 40021
<b>Type of business</b>	Agrarian science
	From August 31.08.2021, to the present
<b>Position</b>	Associate Professor of Horticulture and Forestry
<b>Primary responsibilities</b>	Educational activities in the field of ornamental plant nursery planning, seed production, and floristry
<b>Institution name and address:</b>	Sumy National Agrarian University st. G. Kondratieva 160, Sumy, Ukraine, 40021
<b>Type of business</b>	Agrarian science
<b>Educational and training</b>	
<b>Date</b>	1.09.1984 – 14.06.1993
<b>Qualification</b>	certificate of incomplete secondary education MB №014381
<b>Main subjects / professional skills</b>	ukrainian language, algebra, biology, chemistry, and others
<b>Name and address of institution</b>	general Secondary School of I-III degrees, st. Shkilna 10, urban village Khotin, Sumy region, Ukraine, 42320
<b>Date</b>	1.09.1993 – 3.06.1995
<b>Qualification</b>	diploma of skilled worker with honors, DL №001555, fruit vegetable II category, grazier II category
<b>Main subjects / professional skills</b>	Agricultural production technician with a secondary education in vegetable growing, animal husbandry, Ukrainian language, algebra, geometry, biology, chemistry, and other subjects.
<b>Name and address of institution</b>	vocational school №35, st. Lenina 32, urban village Khotin, Sumy region, Ukraine, 42320
<b>Date</b>	2.08.1995 – 28.03.2000
<b>Qualification</b>	specialist diploma, CM №11951054, «Agronomy»
<b>Main subjects / professional skills</b>	breeding and seed production, crop production, agriculture, phytopathology, entomology, plant protection and others
<b>Name and address of institution</b>	Sumy Agricultural Institute (now Sumy National Agrarian University), st. G. Kondratieva 160, Sumy, Ukraine, 40021
<b>Level in the national/international classification</b>	diploma of specialist, scientist agronomist
<b>Date</b>	24.12.2001 – 19.10.2002
<b>Qualification</b>	specialist diploma, DSK No. 014913, "Economist-accountant"
<b>Main subjects / professional skills</b>	accounting, financial accounting, labor economics, enterprise economics, management, marketing, macroeconomics, auditing, taxation, and others
<b>Name and address of institution</b>	Sumy Agricultural Institute (now Sumy National Agrarian University), st. G. Kondratieva 160, Sumy, Ukraine, 40021
<b>Level in the national/international classification</b>	diploma of specialist, Economist-Accountant

<b>Date</b>	15.11.2012 – 16.11.2015											
<b>Qualification</b>	Postgraduate studies at Sumy National Agrarian University at the Department of Plant Protection											
<b>Main subjects / professional skills</b>	breeding and seed production, fundamentals of agronomy research, foreign language, philosophy, and others											
<b>Name and address of institution</b>	Sumy Agricultural Institute (now Sumy National Agrarian University), st. G. Kondratieva 160, Sumy, Ukraine, 40021											
<b>Level in the national/international classification</b>	Candidate (Ph.D.) Agricultural Sciences in the specialty «Breeding and seed production»											
<b>Date</b>	10.08.2018 – 16.12.2020 pp.											
<b>Qualification</b>	Master's degree, M20, №144140											
<b>Main subjects / professional skills</b>	Entomology, Plant pathology, disinfection of regulated objects											
<b>Name and address of institution</b>	Sumy National Agrarian University st. H. Kondratieva 160, Sumy, Ukraina, 40021											
<b>Date</b>	1.09.2022-20.12.2024											
<b>Qualification</b>	Master's degree, M23 №099621, specialty Horticulture											
<b>Main subjects / professional skills</b>	Ornamental horticulture, decorative plant cultivation, Contemporary green technologies, Arbicultural design											
<b>Name and address of institution</b>	Sumy National Agrarian University st. H. Kondratieva 160, Sumy, Ukraina, 40021											
<b>Date</b>	27.04.2023											
<b>Academic title</b>	Associate Professor of the Department of Horticulture and Forestry, AD certificate No. 012794											
<b>Name and address of institution</b>	Sumy National Agrarian University st. H. Kondratieva 160, Sumy, Ukraina, 40021											
<b>Membership in scientific organizations</b>	Ukrainian-European cooperation											
<b>Native language</b>	Ukrainian language											
<b>Other languages</b>	Russian, English, and German											
<b>Self-esteem</b>	Understanding				Conversation				Writing			
Європейський рівень	Hearing		Speech perception		Speech perception		Spoken delivery					
	B1	Independent user	B2	Independent user	B1	Independent user	B1	Independent user	B1	Independent user	B1	Independent user
	German											
	English											
	B2	Independent user	B2	Independent user	B2	Independent user	B2	Independent user	B2	Independent user	B2	Independent user
	Russian											
<b>Personal skills and competence</b>	C2	Experienced user	C2	Experienced user	C2	Experienced user	C2	Experienced user	C2	Experienced user	C2	Experienced user
	Sociable, responsible, goal-oriented, I have experience of effective participation in scientific projects of both national and international importance.											
<b>Computer skills</b>	competent with most programs Microsoft Office, Statistica											
<b>Driver's license</b>	category B											

**Organizational skills**

She was responsible for selection and seed crops of potatoes while working as a junior researcher at the Department of Selection and Seed Production during the growing season of the crop. Organized sowing and harvesting, evaluation of resistance to harmful organisms of soft winter wheat in collection and selection nurseries, at the department of plant protection.

**Additional information****Scientific topics**

1. Womens leadership in the forest industru as one of the factors of sustainability for the country/
2. Immunity of plants (wheat), selection and seed production of cereal grain crops

**Publications**

Published 86 scientific works, including 6 publications in periodicals included in the scientometric databases of Web of Science and Scopus, 15 in scientific publications included in the list of specialized scientific publications of category "B" of Ukraine, 33 - materials of international conferences; 20 – materials of scientific and practical conferences. I have 3 monographs and 9 teaching aids.

The articles are published in periodicals that are included in the Web of Science and Scopus scientometric databases:

1)M.V. Radchenko, V.I. Trotsenko, Z.I. Hlupak, E.A. Zacharchenko, O.M. Osmachko, V.V. Moisiienko, V.Z. Panchyshyn, S.V. Stotska. (2021). Influnce of mineral fertilizers on yielding capacity and quality of soft spring wheat grain. *Agronomy Research*. 19 (X). <https://doi.org/10.15159/ar.21.104>. (**Scopus**).

1) Rozhkova T.O., Burdulanyuk A.O., Bakumenko O.M., Yemets O.M., Vlasenko V.A., Tatarynova V.I., Demenko V.M., Osmachko O.M., Polozhenets V.M., Nemerytska L.V., Zhuravska I.A., Matsyura A.V., Stankevych S.V. (2021). Influence of seed treatment on microbiota and development of winter wheat seedlings. *Ukrainian Journal of Ecology*. v. 11, n. 1. P.55-61. (**Web of Science**).

2) Yemets O. M., Vlasenko V. A., Demenko V.M., Tatarynova V. I., Rozhkova T. O., Burdulaniuk A. O., Bakumenko O. M., Osmachko O.M., Shcherbyna Y. M. (2020). Seymska Population of Russian Desman (*Desmana moschata* L.) in North-Eastern Part of Ukraine: A History of Formation and Current State. *Indian Journal of Ecology*. 47(4). 1077-1083. (**Scopus**).

3) Osmachko O. M., Vlasenko V. A., Bakumenko O. M., Bilokopytov V. I. Characteristics of immunity to leaf diseases of winter wheat samples under the conditions of north-east forest steppe of Ukraine. *Regulatory Mechanisms in Biosystems*. 2020, v. 11, n. 1. P. 53-61. (**Web of Science**).

4) Vlasenko V., Bakumenko O., Osmachko O., Bilokopytov V., Meng F., Humeniuk O. The Usage Perspectives Of The Chinese Current Wheat Geno-Plasm In The Breeding Of A New Ukrainian Variety Generation. *AgroLife Scientific Journal*. Volume 8. Number 2. Руминія : Бухарест, 2019. P. 162-173. (**Web of Science**).

5) Vlasenko V.A., Bakumenko O.M., Osmachko O.M., Burdulaniuk A.O., Tatarynova V.I., Demenko V.M., Rozhkova T.O., Yemets O.M., Bilokopytov V.I., Horbas S.M., Fanhua M., Qian Z. (2018). Ecological Plasticity and Adaptibility of Chinese Winter Wheat Varieties (*Triticum aestivum* L.) under the Conditions of North-East Forest Steppe of Ukraine. *Ukrainian Journal of Ecology*, 2018,. v. 8, n. 4. P. 114-121. (**Web of Science**).

**Monographs:**

- 1) **Osmachko Olena**, Bakumenko Olha, Kriuchko Liudmyla, Pivovarova Inna. Creation of an organizational and economic plan for a permanent decorative nursery of Lebedyn forestry. Forestry, horticultural and agriculture management: international and national strategic guidelines of sustainable spatial development: Monograph / scientific ed. T.I. Melnyk. - Warsaw: RS Global Sp. z O.O., 2024. P. 60-72. DOI: <https://doi.org/10.31435/rsglobal/059-4>
- 2) Bakumenko O.M., Osmachko O. M., Vlasenko V. A. The combining ability of Kryzhynka and Smuglyanka winter wheat varieties: Monograph. Sumy, «Mriia». 2019. 194 c. ISBN 978-966-566-740-7.
- 3) Osmachko O.M. Bakumenko O. M., Vlasenko V. A. Creation of breeding material of soft winter wheat for resistance to foliar diseases in the conditions of the North-Eastern Forest Steppe: Monograph. Sumy: Nova prynt, 2020. 214 c. ISBN 978-966-97981-6-9

	<p><b>Internship:</b></p> <p>1) All-Ukrainian Scientific and Pedagogical Advanced Training "Digitalization of Higher Education and Digital Literacy". From January 29 to March 10, 2024, the study load was 6 ECTS credits (180 hours).</p> <p>2) National University of Bioresources and Nature Management of Ukraine, certificate of professional development SS 00493706/01/7672-22. Topic: Modern approaches to teaching the academic discipline "Decorative nurseries and seed production" in higher education. From November 1, 2022, registration number 17672.</p> <p>3) Internship abroad in Poland at the Higher School of Management and Administration in the city of Opole from March 1 to May 31, 2020 (180 hours). Name of internship: «Best Management Practices in Ecology and Plant Protection for Implementation in Ukraine (certificate of completion of training № 088).</p>
<p><b>Projects in which she participated - within Ukraine</b></p>	<p><b>Participated in two scientific and technical developments:</b></p> <p>1. «Creating soft winter wheat lines with 1RS rye genes that control resistance to a group of plant diseases» (state registration № 0118U006176).</p> <p>2. «Selection of Promising Bread Wheat Lines to Create Varieties With Group Disease Resistance» (state registration №0119U102849).</p>
<p>- international projects</p>	<p>He is the executor of the Ukrainian-Chinese project "Isolation of genotypes with an increased level of immune properties and soil drought resistance among the modern assortment of soft winter wheat"</p>
<p><b>Awards and thanks:</b></p>	<p>Thanks to the rector on the occasion of Science Day, for the defense of the dissertation for the degree of Candidate of Agricultural Sciences.</p>