



Biography

Personal information:

Given name, middle name, surname

Osmachko Olena Mykolaivna

Address:

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

Telephone:

+380663626972

Факс

-

Email:

Lenaosmachko1978@ukr.net

Nationality:

Ukrainian

Date of birth

16.08.1978 p.

Sex:

female

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 pp.

Position

Senior Laboratory Technician Department of Plant Protection

Primary responsibilities

I was responsible for administrative tasks, monitored the execution of incoming and outgoing documentation, maintained the workload of the department's academic staff, compiled reporting documentation on the department's academic activities, prepared practical and laboratory classes, and served as the secretary of the admissions committee, where I maintained documentation for applicants in the specialties of 202 – Plant Protection and Quarantine, 205 – Forestry, and 206 – Horticulture.

Institution name and address:

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

Type of business or industry	Agrarian science
Date	11.01.2016 – 30.06.2021 pp.
Position	Teaching Assistant, senior Lecturer, associate Professor in Plant Protection
Primary responsibilities	Teaching and research activities in wheat breeding, crop protection against pests and diseases, floriculture, ornamental plant nursery, 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	From August 31.08.2021, to the present
Position	Associate Professor of Horticulture and Forestry
Primary responsibilities	Educational activities in the field of ornamental plant nursery planning, seed production, and floristry
Institution name and address:	Sumy National Agrarian University st. G. Kondratieva 160, Sumy, Ukraine, 40021
Type of business or industry	Agrarian science
Date	From May 2022 to December 2022
Position	Scientific Secretary Faculty of Agrotechnologies and Natural Resource Management
Primary responsibilities	Participation in academic council meetings, including drafting minutes, formatting, and issuing extracts from the minutes.
Institution name and address:	Sumy National Agrarian University st. G. Kondratieva 160, Sumy, Ukraine, 40021
Type of business or industry	Agrarian science
Date	From October 2022 to present
Position	Deputy Dean for Educational Quality
Primary responsibilities	Responsible for approving project groups, educational and scientific programs (ESP), educational and professional programs (EPP), selecting courses, approving elective course catalogs, conducting surveys to assess educational, scientific, and professional components, and overseeing plagiarism checks for qualification works.
Institution name and address:	Sumy National Agrarian University st. G. Kondratieva 160, Sumy, Ukraine, 40021
Type of business or industry	Agrarian science
Date	From July 18, 2023, to date
Position	National Agency for Quality Assurance in Higher Education Expert in Accreditation of Educational Programs: 202 - Plant Protection and Quarantine, 201 - Agronomy.
Primary responsibilities	Participation in the accreditation of educational programs
Institution name and address:	National Agency for Quality Assurance in Higher Education, 1, Borysa Grinchenka Street, Kyiv, 01001, Ukraine
Type of business or industry	Implementation of the state policy in the field of higher education quality assurance
Date	From September 2023 to the present
Position	Associate Professor of the Department of Horticulture and Forestry,

Primary responsibilities	Educational activities in the field of ornamental plant nursery, seed production, floriculture, and floristry.
Institution name and address:	Sumy National Agrarian University st. G. Kondratieva 160, Sumy, Ukraine, 40021
Type of business or industry	Agrarian science
Education and training	
Date	1.09.1984 – 14.06.1993
Qualification	certificate of incomplete secondary education MB №014381
Main subjects / professional skills	ukrainian language, algebra, biology, chemistry, and others
Name and address of institution	general Secondary School of I-III degrees, st. Shkilna 10, urban village Khotin, Sumy region, Ukraine, 42320
Date	1.09.1993 – 3.06.1995
Qualification	diploma of a qualified worker with distinction, DL No. 001555, fruit and vegetable production of the 2nd class, livestock breeder of the 2nd class
Main subjects / professional skills	Agricultural production technician with a secondary education in vegetable growing, animal husbandry, Ukrainian language, algebra, geometry, biology, chemistry, and other subjects.
Name and address of institution	vocational school №35, st. Lenina 32, urban village Khotin, Sumy region, Ukraine, 42320
Date	2.08.1995 – 28.03.2000
Qualification	specialist diploma, CM №11951054, «Agronomy»
Main subjects / professional skills	breeding and seed production, crop production, agriculture, phytopathology, entomology, plant protection and others
Name and address of institution	Sumy Agricultural Institute (now Sumy National Agrarian University), st. G. Kondratieva 160, Sumy, Ukraine, 40021
Level in the national/international classification	diploma of specialist, scientist agronomist
Date	24.12.2001 – 19.10.2002
Qualification	specialist diploma, DSK No. 014913, "Economist-accountant"
Main subjects / professional skills	accounting, financial accounting, labor economics, enterprise economics, management, marketing, macroeconomics, auditing, taxation, and others
Name and address of institution	Sumy Agricultural Institute (now Sumy National Agrarian University), st. G. Kondratieva 160, Sumy, Ukraine, 40021
Level in the national/international classification	diploma of specialist, Economist-Accountant
Date	15.11.2012 – 16.11.2015
Qualification	Postgraduate studies at Sumy National Agrarian University at the Department of Plant Protection
Main subjects / professional skills	breeding and seed production, fundamentals of agronomy research, foreign language, philosophy, and others
Name and address of institution	Sumy Agricultural Institute (now Sumy National Agrarian University), st. G. Kondratieva 160, Sumy, Ukraine, 40021
Date	18 of December 2018
Qualification	candidate of agricultural sciences diploma (Ph.D.). DK №049925, 18 of December 2018
Main subjects / professional skills	breeding and seed production, fundamentals of agronomy research, foreign language, philosophy, and others
Name and address of institution	Sumy Agricultural Institute (now Sumy National Agrarian University), st. G. Kondratieva 160, Sumy, Ukraine, 40021

Level in the national/international classification	Candidate (Ph.D.) Agricultural Sciences in the specialty «Breeding and seed production»																																																
Date	10.08.2018 – 16.12.2020 pp.																																																
Qualification	Master's Degree Diploma, No. M20144140, Specialty 202 "Plant Protection and Quarantine"																																																
Main subjects / professional skills	General virology, general phytopathology, general entomology, general mycology, basics of plant quarantine, agricultural phytopathology, agricultural entomology, phytopharmacology, methods of testing plant protection products, plant immunity, prognosis of the development of crop diseases, monitoring of crop pests.																																																
Name and address of institution	Sumy National Agrarian University st. H. Kondratieva 160, Sumy, Ukraina, 40021																																																
Date	27.04.2023																																																
Qualification	Associate Professor of the Department of Horticulture and Forestry, AD certificate No. 012794																																																
Name and address of institution	Sumy National Agrarian University st. H. Kondratieva 160, Sumy, Ukraina, 40021																																																
Date	1.09.2022-20.12.2024																																																
Qualification	Master's degree, M23 №099621, 206 specialty Landscaping																																																
Main subjects / professional skills	Ornamental horticulture, decorative plant cultivation, contemporary green technologies, arboricultural design																																																
Name and address of institution	Sumy National Agrarian University st. H. Kondratieva 160, Sumy, Ukraina, 40021																																																
Membership in scientific organizations	Ukrainian-European cooperation																																																
Native language	Ukrainian language																																																
Other languages	Russian, English, and German																																																
Self-esteem European level	<table border="1"> <thead> <tr> <th colspan="2">Understanding</th> <th colspan="4">Conversation</th> <th colspan="2">Writing</th> </tr> <tr> <th colspan="2">Hearing</th> <th colspan="2">Speech perception</th> <th colspan="2">Speech perception</th> <th colspan="2">Spoken delivery</th> <th colspan="2"></th> </tr> </thead> <tbody> <tr> <td colspan="2">B1</td> <td colspan="2">B1</td> <td colspan="2">B1</td> <td colspan="2">B1</td> <td colspan="2">B1</td> </tr> <tr> <td colspan="2">B2</td> <td colspan="2">B2</td> <td colspan="2">B2</td> <td colspan="2">B2</td> <td colspan="2">B2</td> </tr> <tr> <td>C2</td> <td>Experienced user</td> <td>C2</td> <td>Experienced user</td> <td>C2</td> <td>Experienced user</td> <td>C2</td> <td>Experienced user</td> <td>C2</td> <td>Experienced user</td> </tr> </tbody> </table>	Understanding		Conversation				Writing		Hearing		Speech perception		Speech perception		Spoken delivery				B1		B1		B1		B1		B1		B2		B2		B2		B2		B2		C2	Experienced user	C2	Experienced user	C2	Experienced user	C2	Experienced user	C2	Experienced user
Understanding		Conversation				Writing																																											
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B1		B1		B1		B1		B1																																									
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C2	Experienced user	C2	Experienced user	C2	Experienced user	C2	Experienced user	C2	Experienced user																																								
Personal skills and competence	Sociable, responsible, goal-oriented, I have experience of effective participation in scientific projects of both national and international importance																																																
Computer skills	competent with most programs Microsoft Office, Statistica																																																
Driver's license	category B																																																
Organizational skills	Was responsible for selection and seed sowing of potatoes while working as a junior researcher at the department of selection and seed production during the crop growing season. I organized sowing and harvesting activities, as well as evaluated the resistance of winter wheat varieties to pests and diseases in our collection and breeding nurseries at the department of plant protection.																																																
Additional information																																																	
Scientific topics	<ol style="list-style-type: none"> 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	Educational and scientific publications: During the course of scientific and pedagogical work, 92 printed educational and scientific works were published independently and in co-authorship, including: 3 monographs, 1 methodological recommendation commissioned by the Ministry of Education and Science of Ukraine, 7 textbooks, 1 practical guide, 7 methodological instructions, 6 printed works indexed in Scopus and Web of Science, 16 articles in domestic peer-reviewed journals of category "B", 3 scientific and practical articles, 34 materials of international conferences, and 14 materials of scientific-practical conferences.																																																

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). Influence 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**).

2. 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**).

3. 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**).

4. **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**).

5. 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**).

6. 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 Adaptability 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

1.O.M. Osmachko, O.M. Bakumenko, T.I. Melnyk, A.V. Melnyk, L.V. Kriuchko. DEVELOPMENT OF AN ORGANIZATIONAL AND ECONOMIC PLAN FOR ESTABLISHING A PERMANENT ORNAMENTAL NURSERY IN THE CONDITIONS OF THE «LEBEDYNSKE FORESTRY» BRANCH OF THE STATE ENTERPRISE «FORESTS OF UKRAINE». Visnyk Umanskoho natsionalnoho universytetu sadivnytstva. Vyp. 1. Vydavnychiy dim «Helvetyka». 2024. S.45-53. DOI <https://doi.org/10.32782/2310-0478-2024-1-45-52>

2. Bakumenko O. M., Vlasenko V. A., Osmachko O. M., Burdulaniuk A. O., Tatorynova V. I., Demenko V. M., Yemets O. M., Sakhoshko M. M., Bashlai A. H., Pivtoraiko V. V. Characterization of adaptive traits in intervarietal hybrids of soft winter wheat under the conditions of the north-eastern Forest-Steppe. Visnyk Sumskoho natsionalnoho ahrarnoho universytetu. Seriya: «Ahronomiia i biolohiia». 2021. Vyp. 3. (45). 2021. S. 10-17.

3. Osmachko O.M., Vlasenko V.A., Bakumenko O.M., Tao Ye, Oshomok T.V. "Evaluation of powdery mildew resistance in Triticum aestivum L. 4th WWSRRN CIMMYT samples under the conditions of the north-eastern Ukrainian Forest-Steppe." Henetychni resursy roslyn: naukovyi zhurnal, 2019 r. Vyp. 24. S. 74-89.

4. Bakumenko O. M., Vlasenko V. A., Osmachko O. M., Fankhua Men, Chian Chzhou. (2019). "Evaluation of modern Chinese winter wheat cultivars under the conditions of the north-eastern Ukrainian Forest-Steppe." Вісник Сумського національного аграрного університету. Серія «Агронімія і біологія». Вип. 3 (37). Суми,. С. 3-11.

**Publication of
conference abstracts**

1. Osmachko O.M., Suprun O.S. Selection of the best *Rubus idaeus* cultivars for cultivation in the conditions of the north-eastern Ukrainian Forest-Steppe. «The aspects of contemporary scientific research that encompass both theoretical and practical components». Materials of the VI International Scientific and Practical Conference. m. Venetsiia (10-12 sichnia 2024 r.) Venetsiia, Italiia, 2024. S.43-46.

2. Osmachko O.M., Horbas S. M., Yasenok V.Ie. Characteristics of rock garden creation and classification. Materialy VII Mizhnarodnoi naukovo-praktychnoi konferentsii «Scientific Research: Theoretical Foundations and Practical Applications». m. Viden (24-26 sichnia 2024 r.) Viden, Avstriia, 2024. S. 81-84.

3. Osmachko O.M., Yarovi O.O. A study of the effect of rooting stimulants on rhizogenesis in *Thuja occidentalis* L. species. Materialy Mizhnarodnoi naukovo-praktychnoi konferentsii «Honcharivski chytannia» m. Sumy (24-travnia 2024 r.). Sumy, Ukraina, 2024. S. 168-171.

4. Osmachko O.M., Yasenok V.Ie. The impact of plant spacing on the efficiency of *Ribes nigrum* cultivation. Materialy Mizhnarodnoi naukovo-praktychnoi konferentsii «Honcharivski chytannia» m. Sumy (24-travnia 2024 r.). Sumy, Ukraina, 2024. S. 171-174.

5. Osmachko O.M. Research on coniferous forest pests. Materialy V Mizhnarodna naukovo-praktychna konferentsiia: «Modern strategies of global scientific solutions» m. Stokholm (27-29 hrudnia 2023) Stokholm, Shvetsiia, 2023. S.69-71.

6. Osmachko O.M. Features of using bedding plants in flower arrangements. Materialy IV Mizhnarodnoi naukovo-praktychnoi konferentsii: «Researching advanced horizons of global progress Challenges and innovative concepts» m. Sevilla (13-15 hrudnia 2023 r.) Sevilla, Ispaniia, 2023. S.90-92.

7. Osmachko O.M. The current state of ornamental plant nursery in Ukraine. Materialy V Mizhnarodnoi naukovi konferentsii «Naukovyi prostir: aktualni pytannia, dosiahnennia ta innovatsii» m. Cherkasy, Ukraina (26.05.2023 roku) Cherkasy, Ukraina, 2023. S. 127-130.

8. Osmachko O.M. A study of the propagation characteristics of *Hydrangea* L. using green cuttings. Materialy III Mizhnarodnoi naukovo-praktychnoi konferentsii «MODERN PROBLEMS OF SCIENCE, EDUCATION AND SOCIETY» m. Kyiv, (22-24.05.2023 roku) Kyiv, Ukraina. 2023. S.38-41.

9. Osmachko O.M. Search for effective methods to control the powdery mildew pathogen on oak trees. Materialy XI Mizhnarodnoi naukovo-praktychnoi konferentsii «Modern research in world science», m. Lviv (29-31 sichnia 2023r.) Lviv, Ukraina, 2023. S.53-56.

Internship:

1) National University of Bioresources and Nature Management of Ukraine, certificate of professional development № CC 00493706/023531-24. Internship topic: Innovative professional competencies in pedagogical activity. Thesis topic: Modern approaches to teaching the course 'Floristry' in higher education (60 hours, 2 ECTS credits), Registration number 23531, dated September 29, 2024.

2) 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).

3) 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.

4) 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).

**Projects in which
she participated
- within Ukraine**

Participated in two scientific and technical developments:

1. «Creating soft winter wheat lines with 1RS rye genes that control resistance to a group of plant diseases» (state registration № 0118U006176).

2. «Selection of Promising Bread Wheat Lines to Create Varieties With Group Disease Resistance» (state registration №0119U102849).

- international projects

1. Preparing a project proposal for the BOKU University Vienna. Project title: "Women's Leadership in the Forestry Sector as a Factor of Country's Sustainability." (WOMEN'S LEADERSHIP IN THE FOREST INDUSTRY AS ONE OF THE FACTORS OF SUSTAINABILITY FOR THE COUNTRY), September 2024.

2. 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".

Awards and thanks:

Thanks to the rector on the occasion of Science Day, for the defense of the dissertation for the degree of Candidate of Agricultural Sciences.