



Europass Curriculum Vitae



First name(s) / Surname(s)

OLENA TYKHONOVA

Address(es)

H.Kondratiieva Str/ 160., Sumy, 40021, Ukraine

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E-mail

ur5apn@ukr.net

Nationality

Ukrainian

Gender

Female

Current employment / Occupational field

Candidate of Biological sciences (PhD in Biology), Associate Professor

Department Ecology and Botany, Sumy National Agrarian University

Work experience

Dates

2010 - Present

Occupation or position held

Associate Professor of the Department of Ecology and Botany

Main activities and responsibilities

Teaching and scientific activity in the sphere of ecology, environmental monitoring, population biology of plants. Teaching subjects: Plant Physiology, Agroecology, Herbology, Human ecology

Name and address of employer

Sumy National Agrarian University, 160 H. Kondratiieva Str., Sumy, 40021, Ukraine.

Type of business or sector

Higher Educational Institution (Biological and Agricultural Sector)

Dates

2002-2009

Occupation or position held

Assistant Professor, Department of Botany and Plant Physiology, senior lecture

Main activities and responsibilities

Teaching subjects: Plant Physiology, Botany, Ecology

Name and address of employer

Sumy National Agrarian University, 160 H. Kondratiieva Str., Sumy, 40021, Ukraine

Type of business or sector

Higher Educational Institution (Biological and Agricultural Sector)

Education and training

Dates

2016-2018

Title of qualification awarded

Ecologist

Principal subjects/occupational skills covered

Scientific research in the sphere of ecology, environmental monitoring, population biology

Name and type of organisation providing education and training

Sumy National Agrarian University

Level in national or international

Master Dipl. Ing. (Universitu)

Classification

Dates

2004-2009

Title of qualification awarded

Candidate of Biology Sciences, Post-graduate education

Principal subjects/occupational skills covered

Botany

Name and type of organisation providing education and training

Institute of Botany named by M.G.Kholodny, National Academy of Sciences of Ukraine

Level in national or international classification

PhD in Biology Sciences

Dates	1987-1992																																								
Title of qualification awarded	Teacher of geography and biology																																								
Principal subjects/occupational skills covered																																									
Name and type of organisation providing education and training	Sumy State Pedagogical Institute named by A.S. Makarenko																																								
Level in national or international classification	Dipl. Ing. (University)																																								
Personal skills and competences																																									
Mother tongue	Ukrainian																																								
Other language(s)	Russian, English																																								
Self-assessment European level (*)	<table border="1"> <thead> <tr> <th colspan="4">Understanding</th> <th colspan="4">Speaking</th> <th colspan="2">Writing</th> </tr> <tr> <th colspan="2">Listening</th> <th colspan="2">Reading</th> <th colspan="2">Spoken interaction</th> <th colspan="2">Spoken production</th> <th colspan="2"></th> </tr> </thead> <tbody> <tr> <td>C2</td> <td>Proficient user</td> <td>C2</td> <td>Proficient user</td> <td>C2</td> <td>Proficient user</td> <td>C2</td> <td>Proficient user</td> <td>C2</td> <td>Proficient user</td> </tr> <tr> <td>B2</td> <td>Independent user</td> <td>B2</td> <td>Independent user</td> <td>B2</td> <td>Independent user</td> <td>B2</td> <td>Independent user</td> <td>B2</td> <td>Independent user</td> </tr> </tbody> </table>	Understanding				Speaking				Writing		Listening		Reading		Spoken interaction		Spoken production				C2	Proficient user	C2	Proficient user	C2	Proficient user	C2	Proficient user	C2	Proficient user	B2	Independent user	B2	Independent user	B2	Independent user	B2	Independent user	B2	Independent user
Understanding				Speaking				Writing																																	
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Russian																																									
English																																									
Social skills and competences	Teamwork Population studies of floristic diversity of ecosystems Ecological monitoring of the environment																																								
Organizational skills and competences	Organization of student contests in agroecology																																								
Computer skills and competences	Competent with most Microsoft Office programmes, Statistica, Zoom, Social Media																																								
Additional information:	<p>Google Scholar: https://scholar.google.com.ua/citations?user=WdQFpZUAAAAJ&hl=ru</p> <p>Research ID: T-9991-2018</p> <p>Orcid: https://orcid.org/0000-0003-0961-4896</p> <p>Scopus ID: 57222010605</p> <p>Participation in scientific projects:</p> <ol style="list-style-type: none"> "Development of the Project for the organization of the territory of the Seimsky regional landscape park" (state registration number 0117U006760); "Scientific studies of natural forest biogeocenoses of the region regarding the preservation of plant species listed in the Red Book of Ukraine, with the aim of identifying territories that are promising for the further creation of new objects of the nature reserve fund" (state registration number 0120U104244). "The state and dynamics of phytopopulations in the ecosystems of the North-East of Ukraine under conditions of varying degree and nature of anthropogenic influence" (state registration number: 0115U007150); «Biodiversity inventory and comprehensive population analysis of the vegetation cover of North-Eastern Ukraine» (state registration number: 0121U113245) <p>Member of the Ukrainian Botanical Society since</p> <p>Member of the National Ecological Center of Ukraine since</p>																																								

Scientific Research Topic and Publications

My scientific interests are the study of plant populations in different ecological conditions, the study of methods for greening agricultural production, and the implementation of ecological monitoring of the environment. (more, then 70 scientific and scientific-methodical works):

1. Hryhoriv Y., Butenko A., Solovei H., Filon V., Masyk I., Kravchenko N., Zakharchenko E., Tykhonova O., Polyvaniy A. (2024). Changes in acid-base buffering capacity indices of surface sod-podzolic soil. *Journal of Ecological Engineering*, 25 (6), 73-79. <https://doi.org/10.12911/22998993/186928> (Scopus)
2. Taraimovich I.V., Demchuk L.I., Tykhonova O.M. (2024). Environmental aspects of production and consumption: impact on pollution and depletion of natural resources. *Environmental sciences*. №52 (1), 145-150. <https://doi.org/10.32846/2306-9716/2024.eco.1-52.1.22> (in Ukrainian)
3. Kuzmenko R.O., Yakovets L.A., Tykhonova O.M., Bordun R.M., Kryuchko L.V. (2024). The influence of the growth regulator of biological origin Leanam on the productivity of buckwheat varieties of different morphotypes. *Ukrainian Journal of Natural Sciences*. № 8, 191-198. <https://doi.org/10.32782/naturaljournal.8.2024.20> (in Ukrainian)
4. Y.A. Hryhoriv, A. Butenko, L. Kriuchko, O. Tykhonova, V. Toryanik, N. Kravchenko, V. Onoprienko, I. Vereshchahin, R.M. Bordun, R. Kuzmenko, D. Krylov. (2023). The influence of care systems on biometric and yield indicators of oats. *Modern Phytomorphology*, Vol17, P.66-70(Web of Science) <https://www.phytomorphology.com/articles/the-influence-of-care-systems-on-biometric-and-yield-indicators-of-oats.pdf>
5. Tykhonova O., Skliar V., Sherstiuk M., Butenko A., Kyrlychuk K., Bashtovyi M. (2021). Analysis of *Setaria glauca* (L.) P. Beauv. population's vital parameters in grain agrophytocenoses. *Journal of environmental research, engineering and management*, 77(1), 36-46. Doi: 10.5755/j01.erem.77.1.25489 <https://erem.ktu.lt/index.php/erem/article/view/25489> (Scopus)
6. Yulian Zlobin¹, Ihor Kovalenko¹, Hanna Klymenko¹, Kateryna Kyrlychuk¹, Liudmyla Bondarieva¹, Olena Tykhonova¹, Inna Zubtsova (2021). Vitality Analysis Algorithm in the Study of Plant Individuals and Populations. *The Open Agriculture Journal*. 15, 119-129. DOI: [10.2174/1874331502115010119](https://doi.org/10.2174/1874331502115010119) (Scopus)
7. Skliar V., Kyrlychuk K., Tykhonova O., Bondarieva L., Zhatova H., Klymenko A., Bashtovyi M. and Zubtsova I. (2020). Ontogenetic structure of populations of forest-forming species of the Left-Bank Polissia of Ukraine. *Baltic Forestry* 26 (1): 1-7. DOI: [10.46490/BF441](https://doi.org/10.46490/BF441) (Scopus)
8. Tykhonova O.M., Kyrlychuk K.S., Shapoval V.P. (2020). Study of the gross content of nickel and arsenic in the highway diversion lanes in Sumy city. *Bulletin of the Sumy National Agrarian University*. Series "Agronomy and Biology", 2 (40), 2020. 62-71. DOI: <https://doi.org/10.32782/agrobio.2020.2.8> (in Ukrainian)
9. Butenko A.O., Masyk I.M., Tykhonova O.M., Sobko M.G. (2020). Formation of yield of soybean varieties of different maturity groups depending on sowing dates and row spacing. *Irrigated agriculture*, 73, 9-13. (in Ukrainian)
10. Bondarieva L.M., Kyrlychuk K.S., Skliar V.H., Tykhonova O.M., Zhatova H.O., Bashtovyi M.G. (2019). Population dynamics of the typical meadow species in the conditions of pasture digression in flooded meadows. *Ukrainian Journal of Ecology*. 9 (2). C. 204–211. <https://www.ujecology.com/abstract/population-dynamics-of-the-typical-meadow-species-in-the-conditions-of-pasture-digression-in-flooded-meadows-43900.html>
11. Tykhonova O.M., Bondaryeva L.M. (2018). Vegetative propagation of *Chrysanthemum × koreanum* Makai in the conditions of the NNVK of the Sumy National University. *Bulletin of the Uman University of Horticulture*, 2 83-86. <https://visnyk-unaus.udau.edu.ua/assets/files/articles/Bulleten2018/1/19.pdf> (in Ukrainian)
12. Tykhonova O.M., Sklyar V.G., Korovyakova T.O. (2016). Population analysis and its use in the process of regulating weediness of agrophytocenoses. *Bulletin of the Cherkasy University: "Biological Sciences" series*, 2, 99-106. <https://bio-ejournal.cdu.edu.ua/article/view/1217> (in Ukrainian)
13. Tykhonova E.M. (2016). Analysis of *Fallopia convolvulus* (L.) A. Löve populations in grain agrophytocenoses. *Science and Education a New Dimension. Natural and Technical Sciences*, 83. IV (9).7-13.
14. Tykhonova O.M. (2012). Analysis of populations of some species of weeds in crops of grain crops. *Bulletin of Kharkiv University. Biologija*, 1(25), 86 – 91. (in Ukrainian) https://repo.btu.kharkov.ua/bitstream/123456789/8771/1/vestnik_hnau_2012_01_086-091_Tikhonova.pdf (in Ukrainian)
15. Tykhonova O.M., Masyk I.M., Korovyakova T.O. (2012). Peculiarities of generative reproduction of common weed species in grain crops. *Bulletin of Sumy National Agrarian University*. 12 (23), 6 - 13.
16. Tykhonova O.M. (2011). The segetal flora and vegetation of grain crops agrophytocenoses in Ukraine lysostep (Sumy region). *Bulletin of the Sumy National Agrarian University*. 11(22), 5 – 8. (in Ukrainian) http://dspace.nbu.gov.ua/bitstream/handle/123456789/3982/Bot_6_2007_840-849.pdf?sequence=1
17. Tykhonova O.M. (2011). Vitality structure of the populations of some weed species in cereals. *Bulletin of Dnipropetrovsk University. Biology. Ecology*. 1(19), 123 -129. DOI: <https://doi.org/10.15421/011115> (in Ukrainian).
18. Tykhonova O.M. (2007). Typology of agrophytocenoses of grain crops of the Left-bank Forest-Steppe (Sumy region). *Ukrainian botanical journal*. 64, (6). 840–849. (in Ukrainian).
19. Zlobin Yu.A. Kyrlychuk K.S., Tykhonova O.M. Melnyk T.I. (2007). Interdependence of the formation of the vegetative and generative spheres of plants: the method of canonical correlations. *Ukrainian botanical journal*. 2007. 64 (2), 206 – 218. (in Ukrainian). <http://dspace.nbu.gov.ua/handle/123456789/3808>
20. Tykhonova O.M. (2007). Vitality analysis of *Chenopodium album* populations in cereal crops. *Bulletin of the Sumy National Agrarian University*. 10 – 11 (14 – 15). 176 – 179. . (in Ukrainian).