



Curriculum Vitae

O. Vasheka



Olena Vasheka

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Account (profile) in academic databases
Web of Science Researcher ID ABB-6561-2021
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Sex female | Date of birth 04.10.1975 | Citizenship Ukraine

Scientific degrees (specialization)	PhD degree in Plant Physiology
Academic rank	
Position	Associate Professor
Department	Chair of Plant biology
Faculty/Institute	Educational and Scientific Center "Institute of Biology and Medicine"
Part-time position	

EDUCATIONAL DISCIPLINES IN WHICH WAS INVOLVED:

Current year	<ol style="list-style-type: none">1. Botany, bachelor, 1st year, laboratory works (Biology).2. Latin language and Botanical terminology, bachelor, 1st year, workshops (Landscape-gardening farm).3. Floriculture, bachelor, 3^d year, lectures and laboratory works (Landscape gardening farm).4. Dendrology, bachelor, 2nd year, lectures and laboratory works (Landscape gardening farm).5. Strategy for urban greening, master's degree, 1st year, lectures and workshops (Landscape design of the urban environment).6. Urban Ecology and Phytomelioration, bachelor, 4th year, lectures and laboratory works (Landscape gardening farm).7. Summer field workshop in botany, bachelor, 1st year (Biology).
Previous Years	<ol style="list-style-type: none">1. Systematics of Angiosperms, bachelor, 4st year, lectures and laboratory works (Biology).2. Applied Botany, specialist degree, 5th year, lectures and laboratory works (Biology).3. Evolutionary Morphology and Anatomy of Angiosperms, bachelor, 4st year, lectures and laboratory works (Biology).4. Medical biology, bachelor, 1st year, workshops (Medicine).5. Ornamental Dendrology, bachelor, 2nd year, laboratory works (Landscape gardening farm).6. Ornamental Herbaceous Plants, bachelor, 3rd year, lectures and laboratory works (Landscape gardening farm).7. Laboratory Workshop on Plant Biology, bachelor, 4th year, laboratory works (Biology).8. Systematics of Vascular Plants, bachelor, 4st year, lectures and laboratory works (Biology).9. Monocotyledons, bachelor, 4st year, lectures and laboratory works (Biology).10. Basics of Taxonomy, bachelor, 4st year, lectures and laboratory works (Biology).11. Paleobotany, master's degree, 1th year, lectures and laboratory works (Biology).

	12. Phytogeography with Basics of Ethnobotany , master's degree, 1 th year, lectures and laboratory works (Biology). 13. Medicinal plants and Fungi , master's degree, 1 th year, lectures and laboratory works (Biology). 14. Basics of Scientific Research , master's degree, 1 th year, workshops (Biology). 15. Methods of Teaching Biology in School , specialist degree, 5 th year, workshops (Biology). 16. Botany , bachelor, 1 st year, lectures and laboratory works (Natural Sciences. Integrated program).
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EDUCATIONAL DISCIPLINES IN WHICH WAS INVOLVED:

Period (starting from last)	Description
Science 2020	Associate Professor Taras Shevchenko National University of Kyiv; 64/13, Volodymyrska Street, City of Kyiv, Ukraine, 01601; http://www.knu.ua/ Area of activity: Education / Science
From 2011 to 2020	Assistant Professor Taras Shevchenko National University of Kyiv; 64/13, Volodymyrska Street, City of Kyiv, Ukraine, 01601; http://www.knu.ua/ Area of activity: Education / Science
From 2002 to 2011	Senior Researcher, O.V. Fomin Botanical Garden Taras Shevchenko National University of Kyiv; 64/13, Volodymyrska Street, City of Kyiv, Ukraine, 01601; http://www.knu.ua/ Area of activity: Science
From 2001 to 2002	Researcher, O.V. Fomin Botanical Garden Taras Shevchenko National University of Kyiv; 64/13, Volodymyrska Street, City of Kyiv, Ukraine, 01601; http://www.knu.ua/ Area of activity: Science
From 2000 to 2001	Junior Researcher, O.V. Fomin Botanical Gardens Taras Shevchenko National University of Kyiv; 64/13, Volodymyrska Street, City of Kyiv, Ukraine, 01601; http://www.knu.ua/ Area of activity: Science
From 1995 to 1997	Master stuff, sector of introduction of herbaceous plants, O.V. Fomin Botanical Garden Taras Shevchenko National University of Kyiv; 64/13, Volodymyrska Street, City of Kyiv, Ukraine, 01601; http://www.knu.ua/ Area of activity: Science

EDUCATION AND TRAINING:

Period (starting from last)	Description
From 1.10.2023 to 31.10.2023	Gottfried Wilhelm Leibniz Universität Hannover, Germany DAAD Project Eastern Partnership 2023 "Various approaches of phytoremediation of contaminated soils and water bodies by ferns and higher plants"
2023	Taras Shevchenko National University of Kyiv Psychological-pedagogical support of psychological competence for higher education specialists (30 aa./ 1 credit ECTS) №KU02070944/000793-23
2023	Taras Shevchenko National University of Kyiv Advanced training and development of pedagogical competencies of lecturers KNU TEACH WEEK 4, January 2023
From 10.2022 to 12.2022	Gottfried Wilhelm Leibniz Universität Hannover, Germany DAAD Ukraine digital: Ensuring academic success in times of crisis (2022)
From 03.2022 to 05.2022	Sapienza University of Rome, Italy Mastering of methods for using database TRY (global database of curated plant traits) and data analysis of morphological and anatomical traits of alien plant species.
2022	Taras Shevchenko National University of Kyiv

	Advanced training and development of pedagogical competencies of lecturers KNU TEACH WEEK 3 (0.5 ECTS), January 2021
2021	Taras Shevchenko National University of Kyiv Advanced training and development of pedagogical competencies of lecturers KNU TEACH WEEK (1 ECTS), January 2021
From 02.2020 to 03.2020	Sapienza University of Rome, Italy Mastering of methods for research of archaeophyte plant species (<i>Platanus orientalis</i> L.) in selected historical villas, parks and botanical gardens in Lazio region.
From 02.2019 to 03.2019	Sapienza University of Rome, Italy Mastering of methods for investigation IAS (invasive alien species) in the field (in selected areas in the city of Rome) and ex situ (in the Botanical Garden). Attendance to lection of Prof. Loretta Gratani titled "Plant ecology" for students of the Department of Environmental Biology of Sapienza University.
From 10.2018 to 11.2018	M.G. Kholodny Institute of Botany of the NAS of Ukraine, Department of Phytohormonology Mastering of modern methods of ferns gametophyte culture.
From 10.2017 to 11.2017	Sapienza University of Rome, Italy Mastering of methods of the estimation of photosynthetic capacity and morpho-structural characteristics of <i>Wollemia nobilis</i> from the Botanical Garden of Rome. Attendance to lection of Prof. Loretta Gratani titled "Environmental monitoring of natural and anthropized systems" for students of the Department of Environmental Biology of Sapienza University
From 09.2016 to 10.2016	Sapienza University of Rome, Italy Mastering of methods of the estimation of carbon sequestration capacity of vegetation inside the Botanical Garden of Rome. In particular, in order to analyzed the effect of vegetation in air quality amelioration in urban area Attendance to workshops of Botany for students at the Department of Environmental Biology of Sapienza University.
From 1997 to 2000	Taras Shevchenko National University of Kyiv , PhD student Obtained qualification PhD degree in biological sciences, ДК №011725, (PhD thesis «Physiological features of introduced ferns of Dryopteridaceae Ching family with different rhythms of seasonal development»)
From 1992 to 1997	Taras Shevchenko National University of Kyiv , student Obtained qualification Biologist – Ecologist and Physiologist of Plants, Lecturer of Biology, AKI №97008293

PERSONAL SKILLS

Name	Level (description)
Native language	Ukrainian
Foreign language 1	English, (B2/C1), Certificate № 3067 "English for professional purposes. Taras Shevchenko National University of Kyiv. Foreign Language Center"
Foreign language 2	Italian (fluent speaker)
Communicative competence	Communication skills obtained while working as a lecturer at Taras Shevchenko National University of Kyiv, at scientific conferences and seminars, during qualifying internships
Organizational /management competence	Guidance of educational and professional practices at ESC «Institute of biology and medicine», guidance of student's scientific coursework and diploma work. Approximately 20 students were trained to defend their under-graduate and graduate-level thesis. During 2002-2011, acted secretary of the Academic Council of the O.V. Fomin Botanical Garden, including meetings and preparation of all necessary documentation.
Computer skills	Standard set of PC user (MS Word, Excel, Access, Power Point, Adobe Photoshops and other software - for scientific and educational publications, illustrations, presentations, photo editing, and communication).
Professional skills (not mentioned above)	Microscope Software AxioVision LE, Adobe InDesign CC, Microsoft Publisher, software for statistical analysis (Past, R-statistics).
Fields of professional interests	Pteridology, physiology of ferns, ecological plasticity and mechanisms of ecological adaptation of plants; horticulture of ferns, ex situ ferns conservation.

ADDITIONAL INFORMATION

Item	Titles of publications, projects, conferences, awards and prizes, memberships in academies and societies etc
Textbooks / studentbooks / Manuals	<p>Author of 128 publications. Author of 14 books for students. Selected Works:</p> <p>Vasheka O., Papenbrock J. Ferns (Monilophytes). Plant Taxonomy, Taras Shevchenko National University of Kyiv et al., 2023. https://doi.org/10.5446/63215</p> <p>Vasheka O.V., Shevchik V.L. It is easy to identify - ferns!: Guidelines. - Kyiv: Palyvoda A.B., 2021. 48 p. [in Ukrainian]</p> <p>Workbook of Medical Biology: Practical course / V.M. Trokhymets, O.K. Voronina, K.S. Afanasieva, M.V. Inomistova, V.Ye. Kalynovskiy, I.A. Koseretska, N.A. Matushkina, S.V. Melnychuk, V.R. Petlovana, O.V. Protsenko, S.R. Rushkovsky, I.M. Vareniuk, O.V. Vasheka. – Kyiv: SPC «Kyiv University», 2019. – 135 p.</p> <p>Martinyuk V.O., Shevchik V.L., Vasheka O.V. It is easy to identify - carnation family! : Guidelines. - Kyiv: Palyvoda A.B., 2019. 29 c. [in Ukrainian]</p> <p>Badanina V.A., Futorna O.A., Vasheka O.V., Loban L.O. Evolutionary morphology of Magnoliophyta. Lecture notes: textbook. manual for students of higher education institutions. - Kyiv: Palivoda, 2018. - 102 p. [in Ukrainian]</p>

Publications	<p>Selected Works:</p> <p>Vasheka O., Gratani L., Puglielli G. Leaf physiological and structural plasticity of two Asplenium (Aspleniaceae) species coexisting in sun and shade conditions // Plant Ecology and Evolution 152 (3): 426–436, 2019. https://doi.org/10.5091/plecevo.2019.1525</p> <p>Vasheka O., Spoletini A., Catoni R., Pepe M., Gratani L. Age-related changes in anatomical and morphological leaf traits of Wollemia nobilis // Modern Phytomorphology. 2019. 13: 47–53. https://doi.org/10.5281/zenodo.190110</p> <p>Vasheka O., Puglielli G., Crescente M.F., Varone L., Gratani L. Anatomical and morphological leaf traits of three evergreen ferns (Polystichum setiferum, Polypodium interjectum and Asplenium scolopendrium) // American Fern Journal. – 2016, Vol. 106, 4. - P. 258–268.</p> <p>Romanenko K O., Babenko L.M., Vasheka O.V., Romanenko P. ., Kosakivska I.V. In vitro phytohormonal regulation of fern gametophytes growth and development // Russian Journal of Developmental Biology, 2020, Vol. 51, No. 2, pp. 71–83. 2020, published in Ontogenez, 2020, Vol. 51, No. 2, pp. 81–95.</p> <p>Gratani L., Vasheka O., Bigaran F. Phenotypic plasticity of <i>Platanus acerifolia</i> (Platanaceae): morphological and anatomical trait variations in response to different pollution levels in Rome // Modern Phytomorphology. 2020. 14: 55–63. DOI: 10.5281/zenodo.200112</p> <p>Romanenko K.O., Kosakivska I.V., Babenko L.M., Vasheka O.V., Romanenko P.O., Negretsky V.A., Minarchenko V. M. Effects of exogenous cytokinins on spore germination and gametophyte morphogenesis of Dryopteris filix-mas (L.) Schott in vitro culture // Cytology and Genetics, 2019, Vol. 53, No. 3, pp. 192–201. https://doi.org/10.3103/S0095452719030034</p> <p>Babenko L., Vasheka O., Shcherbatiuk M., Romanenko P., Voytenko L., Kosakivska I. Biometric characteristics and surface microstructure of vegetative and reproductive organs of heterosporous water fern Salvinia natans // Flora. 2019, 252. Pp. 44–50. https://doi.org/10.1016/j.flora.2019.02.006</p> <p>Babenko L.M., Romanenko K.O., Shcherbatiuk M.M., Vasheka O.V., Romanenko P.O., Negretsky V.A., Kosakivska I.V. Effects of exogenous phytohormones on spore germination and morphogenesis of Polystichum aculeatum (L.) Roth gametophyte in vitro culture // Cytology and genetics – 2018. - Vol. 52, 2. –P. 39-50.</p> <p>Romanenko K., Babenko L., Shcherbatiuk M., Negretsky V., Kosakivska I., Vasheka O., Romanenko P. Effects of gibberellic acid and benzylaminopurine on morphogenesis of Polystichum aculeatum L. // Studia Biologica. 2017. Том 11, №3–4. – C. 39-40.</p> <p>Vasheka O.V., Bezsmertna O.O. Ferns Atlas of Ukrainian flora: monograph. K .: PALIVODA AV, 2012. - 160 p. [in Ukrainian]</p>
Conferences	<p>Selected Conferences:</p> <p>Conference of the Ukrainian Plant Industry Association “Green Cities” (Kyiv, 6.12.2019);</p> <p>7th Environmental Physiology of Ectotherms and Plants. Tartu, Estonia (31.07-04.08 2017);</p> <p>Floriculture: history, theory, practice: VII Int. scientific. conf. (May 24-26, 2016, Minsk, Belarus)</p> <p>II International Plant Science Conference (IPSC) “Not only food: Sustainable development, agro-biodiversity conservation & human wellbeing”. Pavia (Italy) (14-16 September 2015)</p> <p>5th Symposium on Asian Pteridology and Garden Show, 15-21 November 2010 Shenzhen Fairy Lake Botanical Garden, CAS (China)</p>
Participation in organizations	<p>Member of American Fern Society</p> <p>Member of the Ukrainian Botanical Society</p>
Citations	h-4