



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

	<p>9. Medicinal plants and Fungi, master's degree, 1th year, lectures and laboratory works (Biology).</p> <p>10. Basics of Scientific Research, master's degree, 1th year, workshops (Biology).</p> <p>11. Methods of Teaching Biology at School, specialist degree, 5th year, workshops (Biology).</p> <p>12. Applied Botany, specialist degree, 5th year, lectures and laboratory works (Biology).</p>
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EDUCATIONAL DISCIPLINES IN WHICH WAS INVOLVED:

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

EDUCATION AND TRAINING:

Period (starting from last)	Description
2021	<p>Taras Shevchenko National University of Kyiv</p> <p>Advanced training and development of pedagogical competencies of lecturers KNU TEACH WEEK (1 ECTS), January 2021</p>
From 02.2020 to 03.1020	<p>Sapienza University of Rome, Italy</p> <p>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.</p>
From 02.2019 to 03.1019	<p>Sapienza University of Rome, Italy</p> <p>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.</p>
From 10.2018 to 11.1018	<p>M.G. Kholodny Institute of Botany of the NAS of Ukraine, Department of Phytohormonology</p> <p>Mastering of modern methods of ferns gametophyte culture.</p>
From 10.2017 to 11.1017	<p>Sapienza University of Rome, Italy</p>

	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 lecture 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 analyze 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, АКІ №97008293

PERSONAL SKILLS

Name	Level (description)
Native language	Ukrainian, Russian
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 Photoshoper 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	Author of 12 books for students. Selected Works: Vasheka O.V., Shevchik V.L. It is easy to identify - ferns!: Guidelines. - Kyiv: Palyvoda A.B., 2021. 48 p. [in Ukrainian] 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. 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] 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]

Publications	<p>Author of 112 publications. 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 <i>Wollemia nobilis</i> // 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 (<i>Polystichum setiferum</i>, <i>Polypodium interjectum</i> and <i>Asplenium scolopendrium</i>) // 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 <i>Dryopteris filix-mas</i> (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 <i>Salvinia natans</i> // 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 <i>Polystichum aculeatum</i> (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 <i>Polystichum aculeatum</i> 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 FairyLake Botanical Garden, CAS (China)</p>
Participation in organizations	<p>Member of American Fern Society</p> <p>Member of the Ukrainian Botanical Society</p>
Citations	<p><i>h</i>-3</p>

