



Curriculum Vitae

Voitsekhivska O.V.



PERSONAL INFORMATION

Voitsekhivska Olena Vasylyivna

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Sex female | Date of birth 08.09.1974 | Citizenship Ukraine

Scientific degrees (specialization)	PhD degree in Ecology
Academic rank	Associate Professor
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	1. Biometrics, bachelor, 2nd year, lectures, laboratory works 2. Soil science and soil microbiology, bachelor, 2nd year, lectures, laboratory works 3. Plant Physiology, bachelor, 3th, 4th year, lectures, laboratory works 4. Plant Physiology, bachelor, 2nd year, laboratory works 5. Urboecology and phytoremediation, bachelor, 4th year, lectures, laboratory works 6. Landscape architecture, bachelor, 3rd year, laboratory works 7. Specificity of plant root nutrition in urbanized landscapes, master's degree, 1st year of studies, lectures, laboratory works 8. Root nutrition of plants, bachelor, 3th year, lectures 9. Laboratory Workshop on Plant Biology, bachelor, 3th year, laboratory works 10. Educational practice in soil science and geodesy with the basics of topography, bachelor, 2nd year
Previous years	1. Botany, bachelor, 1st year, laboratory works 2. Root nutrition of plants, bachelor, 4th year, lectures 3. Secondary metabolism of plants, master's degree, 1st year of studies, lectures, laboratory works 4. Allelopathic interaction between plants in urbanized landscapes, master's degree, 1st year of studies, lectures, practice works 5. Methods of experimental Plant Physiology, bachelor, 3th year, lectures 6. Management of the environment, master's degree, 2nd year of studies, lectures, practice works 7. Mathematical modeling in biology, bachelor, 3rd year, lectures 8. Biologically active substances of plants, master's degree, 1st year of studies, lectures 9. Soil biology, bachelor, 4th year, lectures 10. Basics of the scientific research, bachelor, 3rd year, lectures 11. Anatomy of plants, bachelor, 1st year, laboratory works 12. Biodiversity, master's degree, 1st year of studies, laboratory works 13. Ionic homeostasis of plants to heavy metals, master's degree, 2nd year of studies, lectures, laboratory works

SCIENTIFIC AND PEDAGOGICAL EXPERIENCE

Period (starting from last)	Description
Since 02.02.2017	Associate Professor of Plant Biology Chair Taras Shevchenko National University of Kyiv; 64/13, Volodymyrska Street, City of Kyiv, Ukraine, 01601; http://www.knu.ua/ .
	Education
From 29.05.2008 till 01.02.2017	Associate Professor of Plant Physiology and Ecology Chair Taras Shevchenko National University of Kyiv; 64/13, Volodymyrska Street, City of Kyiv, Ukraine, 01601; http://www.knu.ua/ .
	Education
From 01.02.2002 till 28.05.2008	Assistant Professor of Plant Physiology and Ecology Chair Taras Shevchenko National University of Kyiv; 64/13, Volodymyrska Street, City of Kyiv, Ukraine, 01601; http://www.knu.ua/ .
	Education
From 06.12.1999 till 31.01.2002	Junior Researcher at the Research Laboratory "Physiological bases of plant productivity" of Biological Department Taras Shevchenko University of Kyiv; 60, Volodymyrska Street, City of Kyiv, Ukraine, 01033; http://www.knu.ua/ .
	Science

EDUCATION AND TRAINING

Period (starting from last)	Description
2023	Internship Improving the qualifications of pedagogical, scientific and pedagogical workers of preschool, general secondary, extracurricular, professional (vocational and technical), professional pre-higher and higher education institutions "GOOGLE DIGITAL TOOLS FOR EDUCATION" (digital component), Intermediate level (0.5 ECTS)
2023	Internship Improving the qualifications of pedagogical, scientific and pedagogical workers of preschool, general secondary, extracurricular, professional (vocational and technical), professional pre-university and higher education institutions "GOOGLE DIGITAL TOOLS FOR EDUCATION" (digital component), Basic level (1 ECTS)
2023	Webinar "GOOGLE DIGITAL TOOLS FOR EDUCATION" (0.07 ECTS credits)
2023	Internship Advanced training on the topic "Safe use of pesticides in the agro-industrial complex" (2.4 ECTS credits)
2023	Webinar Series of educational webinars on scientometrics for professional development "International experience in the field of publishing. Successful publications in Scopus and Web of Science" (1 ECTS), Certificate №AD1645/12.04.2023.
2023	Internship M.M. Hryshko National Botanical Garden of National Academy of Sciences of Ukraine, Department of Allelopathy, Kyiv. The purpose of advanced training is to master the modern methodology of allelopathic research, which is used to study the processes occurring in the "soil-plant" system in the environment of natural and managed phytocenoses, as well as the introduction of the acquired knowledge and skills into the educational process. Obtained qualification Development of lectures, laboratory and practical classes for educational disciplines: "Allelopathic interaction of plants in urbanized landscapes", "Specificity of root nutrition of plants in urbanized landscapes", "Secondary metabolism of plants", "Soil science and soil microbiology"
2022	Taras Shevchenko National University of Kyiv Advanced training and development of pedagogical competencies of lecturers KNU TEACH WEEK 3 (0,5 ECTS)
2022	Webinar Online webinar "Practical Tips for EdTech in Higher Education" (1,5 hours), British Council in Ukraine, Certificate of Attendance, 17 February, 2022
2021	Taras Shevchenko National University of Kyiv Advanced training and development of pedagogical competencies of lecturers KNU TEACH WEEK 2 (0,5 ECTS)

2021	Taras Shevchenko National University of Kyiv Advanced training and development of pedagogical competencies of lecturers KNU TEACH WEEK 1 (1 ECTS)
2019	Internship M.M. Hryshko National Botanical Garden of National Academy of Sciences of Ukraine, Department of Tropical and Subtropical Plants, Kyiv. The purpose of advanced training is to master modern methods of determining and isolating secondary metabolites of plants and methods of cultivation of ornamental plants <i>in vitro</i> . Obtained qualification Development of lectures and laboratory lessons in educational disciplines: "Secondary metabolism of plants", "Laboratory practicum in plant biology", "Soil science and soil microbiology"
From 09.11.1996 till 30.10.1999	Study PhD student Taras Shevchenko National University of Kyiv
From 23.08.1997 till 18.10.1997	Internship Ghent University, Faculty of Bioscience Engineering, Gent, Belgium Obtained qualification Preparation and writing of the section of PhD thesis «Features of migration and accumulation of lead on the horizons of soil and plant organs»
From 01.09.1991 till 25.06.1996	Study Student Taras Shevchenko National University of Kyiv

PERSONAL SKILLS

Name	Level (description)
Native language	Ukrainian
Foreign language 2	English (B2)
Communicative competence	Skills for finding information and analyzing experimental data, creativity, communication skills in professional activities, including at the international level. Possession of modern information technologies, application of new approaches and forecasting, ability to abstract thinking, analysis and synthesis of information in the field of biology and on the boundary of subject areas.
Organizational / management competence	Ability to develop research projects and manage them, to conduct course and graduation works of students, research work of schoolchildren of the Small Academy of Sciences, educational and industrial practices of students of ESC "Institute of Biology and Medicine". Curator of the academic group of students. The secretary of the Department of Plant Biology. Member of the jury of the All-Ukrainian Biological Forum for Students and Students of Youth "Touch of Nature", All-Ukrainian contest Intel-Eco-Ukraine.
Other computer skills	Microsoft Office Excel Experimental Biometric Processing Application Package Skills. Use of software for creating presentations, posters, diagrams, drawings, graphs, photo editing.
Professional skills (not mentioned above)	In my work I use: Anatomical, spectrophotometric, chromatographic, atomic absorption methods, carry out agrochemical analysis of soils. Methods of growing plants under artificial conditions (water, sand culture). Mathematical methods: for planning, generalization and analysis of the results of mass observations, statistical processing of data, estimation of hypotheses arising from the use of quantitative methods in research work, as well as the development and the use of methods for describing experimental data by probable models.
Fields of professional interests	Ecological and physiological estimation of the state of plant groups for the technogenic pollution of the environment, development of mathematical models of migration of heavy metals in the soil-plant system, adaptive mechanisms of plants under the action of heavy metals and UV irradiation, physiology of secondary metabolism, phenolic compounds: diversity, biological activity, promising use .

ADDITIONAL INFORMATION

Item	Titles of publications, projects, conferences, awards and prizes, memberships in academies and societies etc.
Publications	Підручники/посібники Podpryatov GI, Voitsekhivsky V.I., Kilian M., Smetanskaya I.M., Tokar A.Yu.,

	Voytsekhivska O.V., Orlovsky M.Ye. Technologies of storage, processing and standardization of agricultural products. - Tutorial. - K.: Comprint, 2017. - 658 p. Musienko M.M., Voytsekhivska O.V., Batsmanova L.M. Environmentally sustainable society in the future – reality and prospects / Monografia. Wybrane zagadnienia Rolnictwa I ekologii. – Opole, 2016. – P. 81 – 88. Musienko M.M., Voytsekhivska O.V. General Ecology: Textbook. K.: Steel, 2010. – 395 p. Voytsekhivska O.V., Kapustian A.V., Kosyk O.I., Musiyenko M.M., Olkhovich O.P., Panyuta O.O., Parshikova T.V., Slavy P.S. Plant physiology. Practical course. – Lutsk, 2010. – 420 p. Voytsekhivska O.V. Plant physiology: Methodical recommendations for students of the biological faculty. K.: Polygraphic section of V.M. Glushkov Institute of Cybernetics of NAS of Ukraine, 2010. – 48 p. Voytsekhivska O.V., Sytar O.V. Methods of mathematical statistics in physiology of plants (course of lectures). – K.: Polygraphic section of V.M. Glushkov Institute of Cybernetics of NAS of Ukraine, 2010. – 48 p. Voytsekhivska O.V., Sytar O.V. Application of information technologies for processing of physiological parameters of plants (methodical recommendations for practical classes). – K.: Polygraphic section of V.M. Glushkov Institute of Cybernetics of NAS of Ukraine, 2010. – 94 p. <u>Articles</u> Musienko M.M., Batsmanova L.M., Voytsekhivska O.V. Global Climate Change and Conceptual Foundations of Sustainable Agroecosystem Development // Agroecological Journal. - T.2. - P. 21-30. – 2017. Golubenko AV, Zinchenko AV, Didenko VI, Voytsekhivska O.V., Taran N.Yu. In vitro morphogenetic ability of the genus Centaurea Kleop species. flora of Ukraine // Bulletin of the Ukrainian Society of Genetics and Breeders named after. M.I. Vavilov. - T. 15. - P. 20-24. – 2017. Voytsekhovsky V.I., Smetanskaya AND N., Voytsekhovskaya E.V. Changes in the content of polyphenols and ascorbic acid in black pudding compotes, jam and jam during storage // Collection of scientific works "Innovative approaches and perspective ideas of young scientists in agrarian science". - 2017. - P. 170-174. Korchevskaya V.V., Voytsekhivska O.V. Monitoring of vitality of populations of rare plants of the Orchidaceae family in phytocoenoses of the suburbs with. Semipolki // Bulletin of the Kiev National University. Biology. - T.1. - Whip 73. - P. 48-53. - 2016 Nesterova N.G., Voytsekhivska O.V. Composition of Antioxidant Enzymes in Leaves of Woody Species of Plants Under the Impact of Anthropogenic Stress // Scientific View to the Future. - Issue 2 (2). Biology. Volume 12. - Odessa: Kuprienko SV, 2016. - P. 68 - 72. Voytsekhovsky V.I., Slobodyanyk G.Ya., Voytsekhivska O.V., Rebezov M.B. Biological value of the fruits of mid-hemisphere and mid-late varieties of pepper // Young Scientist (International Scientific Journal). - No. 21 (125). – 2016. - P. 274-276. Voytsekhivska OV, Sitar O.V., Taran N.Yu. Phenolic compounds: diversity, biological activity, prospects // Bulletin of Kharkiv National Agrarian University. Sir Biology. - V 1 (34). - 2015. - P. 104-119.
Projects	"Conservation of biodiversity and comprehensive study of adaptation strategies of phyto-, zoo and virobiots of Ukraine using bioinformatics technologies" (DPRK №11BF036-02).
Conferences	The International research and practice conference "Nanotechnology and nanomaterials" (NANO-2017), 2017 XIII International Scientific Conference of Young Scientists Shevchenkivska vesna: life sciences, 2017 XV International Scientific Conference "Shevchenkivska vesna: bioscience advances". – Kyiv, 2017. V International scientific and practical conference of young scientists and specialists: Selection, genetics and technologies of cultivation of crops, 2017. International scientific and practical conference "Scientific bases of creation of innovative products in crop production", 2017. XIV International Scientific Conference of Students and Young Scientists Shevchenkivska vesna: life sciences, 2016
Awards and prizes	Certificate No. 1254 "For success in primary, scientific and educational work", Taras Shevchenko KNU (2023) Premium of the National Academy of Sciences of Ukraine for young scientists for a series of scientific papers "Analysis and forecasting by methods of mathematical modeling of adaptive processes of living systems to the action of adverse environmental factors" (2005)
Membership in academies, professional and scientific associations	Member of Ukrainian Society of Plant Physiologists Member of Ukrainian Biochemical Society

