



Curriculum Vitae

Oksana Kosyk

PERSONAL INFORMATION



Oksana Ivanivna Kosyk

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Educational and Scientific Center "Institute of Biology and Medicine" of Taras Shevchenko
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Scopus ID [55890380100](#)
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Sex F | Date of birth 28/02/75 | Citizenship Ukraine

Academic degree (degree, speciality)	Doctor of Philosophy, 03.00.12 – plant physiology
Academic rank	associate professor
Position	associate professor
Chair	plant biology
Department/institute	Educational and Scientific Center "Institute of Biology and Medicine"
Honorary position	-

Academic subjects taught:

Current year	<ol style="list-style-type: none">1. "Introduction to university studies. History of garden and park art", bachelor, I year of study (landscape design and landscaping), lectures and seminars.2. "Chemistry with the basics of agrochemistry", bachelor, I year of study (Landscape design and landscaping), lectures and laboratory works.3. "Plant biochemistry", bachelor, I year of study (Landscape design and landscaping), lectures and laboratory works.4. "Landscaping of inhabited places", bachelor, III year of study (Landscape design and landscaping), lectures and laboratory works.5. "Conservation, reconstruction and restoration of garden and park objects", bachelor, IV year of study (Landscape design and landscaping), lectures and practical works.6. "Plant biochemistry", bachelor, III year of study (biology), lectures7. "Laboratory practicum in plant biology", bachelor, III year of study (biology), laboratory works.
Previous years:	<ol style="list-style-type: none">1. "Forestry and horticulture", bachelor, III year of study (ecology), lectures and practical works.2. "Botany", bachelor, I year of study (Biology), laboratory works.3. "Ecophysiology of Plants and Human Health", master II year of study (Biology), lectures and laboratory works.4. "Ecophysiology of plants", bachelor III year of study

	<p>(Ecology), lectures and practical works.</p> <p>5. "Landscaping of inhabited places and interiors", bachelor, III year of study (forest and gardening), lectures and laboratory works.</p> <p>6. "Plant biochemistry", bachelor, III year of study (Biology), lectures."</p> <p>7. "Ecophysiology of Plants and Human Health", master I and II year of study (Plant Physiology and Ecology), lectures and laboratory works.</p> <p>8. "Plant physiology", forest and gardening (biology), lectures and laboratory works.</p> <p>9. "Plant physiology", bachelor, II year of study (forest and gardening), laboratory works.</p> <p>10. "Laboratory Workshop on Plant Physiology", bachelor, III year of study (biology), laboratory works.</p> <p>11. "Cytophysiology", master, I year of study (Plant Physiology), lectures and laboratory works.</p> <p>12. "Regulatory systems of plants", master, II year of study (Plant Physiology), lectures and laboratory works.</p> <p>13. "Anatomy of plants", bachelor, II year of study (biology), laboratory works.</p> <p>14. "Laboratory practicum in plant physiology", bachelor, III year of study (biology), laboratory works.</p> <p>15. "Laboratory practicum in plant biology", bachelor, III year of study (biology), laboratory works.</p>
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SCIENTIFIC AND ACADEMIC EXPERIENCE

Period (beginning from the latest)	Stage (description)
(From 01.03.2017 till present)	<p>Position associate professor at the Plant Biology Department "Institute of Biology and Medicine" http://biology.univ.kiev.ua</p> <p>Taras Shevchenko National University of Kyiv, Volodymyrska St., 60, www.univ.kiev.ua</p> <p>Main activities and job responsibilities: giving lectures, laboratory and practical works, writing textbooks, manuals, scientific articles and theses, advising master's and bachelor's works</p> <p>Sphere of activity or sector Education/science</p>
(From 24.11.2008 till 01.03.2017)	<p>Position associate professor at the Plant Physiology and Ecology Department</p> <p>Taras Shevchenko National University of Kyiv, Volodymyrska St., 60, www.univ.kiev.ua</p> <p>Main activities and job responsibilities: giving lectures, laboratory and practical works, writing textbooks, manuals, scientific articles and theses, advising master's and bachelor's works</p> <p>Sphere of activity or sector Education/science</p>
(From 09.02.2004 till 24.11.2008)	<p>Position assistant professor at the Plant Physiology and Ecology Department of the Biological Faculty</p> <p>Taras Shevchenko National University of Kyiv, Volodymyrska St., 60, www.univ.kiev.ua</p> <p>Main activities and job responsibilities: giving lectures, seminars, laboratory and practical works, writing methodical recommendations, textbooks, articles, scientific theses, management of course and graduation theses</p> <p>Sphere of activity or sector Education/science</p>
(From 20.10.2003 till 09.02.2004)	<p>Position junior researcher at the Research Laboratory of Physical and Chemical Biology</p> <p>Taras Shevchenko National University of Kyiv, Volodymyrska St., 60, www.univ.kiev.ua</p> <p>Main activities and job responsibilities: experimental research work, writing scientific abstracts and articles</p> <p>Sphere of activity or sector Science</p>

STUDYING AND TRAINING

Period (beginning from the latest)	Stage (description)
(From 01.10 till 01.11.2019)	M. M. Gryshko National Botanical Garden of National Academy of Sciences of Ukraine

	The obtained knowledge and acquired skills are realized in educational-methodical complexes of disciplines "Landscaping of inhabited places", "Plant biochemistry", "Plant physiology"
(From 02.10 till 01.12.2014)	Institute of Plant Physiology and Genetics, National Academy of Sciences of Ukraine The obtained knowledge and acquired skills are realized in educational-methodical complexes of disciplines "Ecophysiology of plants", "Chemistry with the basics of agrochemistry", "Laboratory workshop on plant physiology"
(From 02.07 till 26.08.2009)	Jagiellonian University (Krakow, Poland) Project: Adaptive plant strategies upon climatic and anthropogenic changes
(From 02.10 till 16.10.2006)	Institute of Sciences of Food Production (ISPA-CNR, Bari, Italy) Project: Mycotoxins in agricultural products
(from 01.10.2000 till 30.09.2003)	Post-graduate student (Ph.D.) Kyiv National Taras Shevchenko University, Biology Faculty, Plant Physiology and Ecology Department Doctor of Philosophy, 03.00.12 – plant physiology. Theme of the scientific work: Lead effect on the lipid-pigment transformation of the photosynthetic membrane components at wheat <i>Triticum aestivum</i> L.

PERSONAL SKILLS

Name	Level (description)
Mother tongue	Ukrainian
Foreign language 1	English
Foreign language 2	Polish
Communication competence	Good communication skills in the pedagogical and educational activity with students and schoolchildren
Organizational/management competence	Guarantor of the educational program "Landscape Design and Landscaping" bachelor's degree. Management and organization of scientific and practical conferences, seminars and competitions
Digital competence:	Information processing: Basic level of information collection skills using the Internet
Other computer skills	High level of working with text documents, Excel and TotalLab, basic skills in Paint, Photoshop, CorelDRAW and other software
Professional skills (not mentioned above)	Member of the jury of the All-Ukrainian Scientific and Technical Competition INTEL ECO Ukraine, All-Ukrainian Biological Forum for Students and Students of Youth "Touch of Nature", Kiev Small Academy of Sciences of Student Youth, All-Ukrainian Student Olympiad in Forestry and Horticulture, All-Ukrainian competition of student research papers.
Professional interests spheres	Plant Physiology, Plant Biochemistry, Plant Ecology, Plant Biology, Landscape Design and Planting, Urboekology

ADDITIONAL INFORMATION (information specified above is not included)

Name	(titles of publications, presentations, projects, conferences, seminars, names of awards and rewards, participation in academies, professional and academic associations, etc.)
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Publications

1. Lytvyn B.B., Kosyk O.I. Using vertical gardening to improve thermal insulation in urban conditions. Теорія та практика дизайну: зб. наук. праць. Садово-паркове господарство. 2023. Вип. 29–30. С. 243–248. doi: <https://doi.org/10.32782/2415-8151.2023.29-30.29>
2. Lysuchevska M., Kosyk O. (2023). The role of memorial garden and park complexes in the preservation of cultural and historical heritage. Theory and practice of design. Garden and park art. 3–4(29–30). P. 232–242, doi: <https://doi.org/10.32782/2415-8151.2023.29-30.28>
3. Batsmanova L.M., Taran N.Yu., Kosyk O.I., Zaimenko N.V. Biogenic volatile organic substances of forests and their influence on climate. Ukrainian botanical journal. 2023. 80 (3) P.267-282. doi: <https://doi.org/10.15407/ukrbotj80.03.267>
4. Rozhko Ye., Kosyk O. (2023) Landscape design is an ecological and health component of modernity. Theory and practice of design. Garden and park art. 1(27). P. 213-220, doi: <https://doi.org/10.32782/2415-8151.2023.27.27>
5. Taran N., Kosyk O., Batsmanova L., Turitsa P. (2023) Lawn in the landscape design of urban spaces. Theory and practice of design. Garden and park art. 1(27). P. 221-227, doi: <https://doi.org/10.32782/2415-8151.2023.27.28>
6. Bezsmertna A., Kosyk O. (2023) Implementation of Ukrainian ethnic traditions in landscape design. Theory and practice of design. Architecture and construction. 2(28). P. 245–251. doi: <https://doi.org/10.32782/2415-8151.2023.28.27>
7. Kosyk O., Pavlenko A. (2022) Balconies landscaping of urban spaces in Ukraine and Germany. Theory and practice of design. Garden and park art. 2(26). P. 260-267, doi: <https://doi.org/10.32782/2415-8151.2022.26.31>.
8. Kosyk O., Bilonog M. (2022). Features of planning and landscaping of therapeutic landscapes for children's hospitals. Theory and practice of design. Landscaping. 1(25). P. 228-235. doi: 10.18372/2415-8151.25.16800
9. Rykhlytskaya O., Kosyk O., Bezzubtseva M. (2022). Ecological and aesthetic approach to the design of garbage containers in urban space. Theory and practice of design. Landscaping. 1(25). P. 249-255. doi: 10.18372/2415-8151.25.16802
10. O. D. Rykhlytska, O. I. Kosyk. Ornamental motifs in modern design practices // Ukrainian cultural studies. K.: KNU, 2021, 1(8). С 59-65.
11. Kosyk O., Guzalenko Ul. (2021). Features of integration of plants into architecture in world examples of housing design. Theory and practice of design. Landscaping. 2(23). С. 135-140, doi: 10.18372/2415-8151.24.16301
12. Kosyk O., Letik K. (2021). Formation of a comfortable urban environment by means of landscaping. Theory and practice of design. Landscaping. 2(23). С.134-140, doi:10.18372/2415-8151.23.16279
13. Kosyk O.I. Peculiarities of landscaping and improvement of children's open spaces / O.I. Kosyk, O.R. Andrienko // Theory and practice of design. Collection of scientific works. - V. 21. Design of the architectural environment - K.: NAU, 2020. -P.48-57.
14. Kosyk O.I. The use of container landscaping in an urban environment / O.I. Kosyk, V.G. Gorupaha, M.O. Humeniuk // Theory and practice of design. Collection of scientific works. - V. 21. Architectural environment design - K.: NAU, 2020. -P.58-65.
15. Kosyk O.I. Landscaping of public transport stops / O.I. Kosyk, V.V. Tarakhta // Theory and practice of design. Collection of scientific works. - V. 20. Design of the architectural environment - K.: NAU, 2020. -P.78-88.
16. Kosyk O.I. Tendencies of using berso and pergola in landscape architecture / O.I. Kosyk, M.O. Humeniuk, V.G. Gorupaha // Theory and practice of design. Collection of scientific works. - V. 20. Design of the architectural environment - K.: NAU, 2020. -P.67-77.
17. Kosyk O.I. Peculiarities of combining architectural styles and landscaping in Seville / O.I. Kosyk, B.M. Zenenko // Theory and practice of design. Collection of scientific works. - V. 19. Design of the architectural environment - K.: NAU, 2019. -P.16-27.
18. Kosyk O.I. Peculiarities of development of garden and park objects of the Vatican City State / O.I. Kosyk, L.R. Hnatyuk, Butmerchuk E.Yu. // Theory and practice of design. Collection of scientific works. - V. 18. Design of the architectural environment - K.: NAU, 2019. -P.58-67.
19. Kosyk O.I. History of urban planning of Veliky Novgorod. Evolution and comparative characteristics of the architecture of ancient Novgorod in the XI - XV centuries. and landscaping of the urban space of modern Veliky Novgorod / O.I. Kosyk, V.A. Ovcharenko // Theory and practice of design. Collection of scientific works. - V. 18. Design of the architectural environment - K.: NAU, 2019. -P.68-81.

SCOPUS	20.O. E. Smirnov, A. M. Kosyan, Yu. V. Pryimak, O. I. Kosyk, N. Yu. Taran. Organo-specific accumulation of phenolic compounds in a buckwheat seedlings under aluminium-acid stress // Ukr.Biochem.J. 2021; Volume 93, Issue 1, Jan-Feb, pp. 75-81.
SCOPUS	21.O. E. Smirnov, A. M. Kosyan, O. I. Kosyk, L. M. Batsmanova, L. M. Mykhalska, V. V. Schwartau, N. Y. Taran. Effect of aluminium on redox-homeostasis of common buckwheat (<i>Fagopyrum esculentum</i>) // Biosystems Diversity, 2020, 28(4), 426–432. doi:10.15421/012055
SCOPUS	22.Kosyk O. I., Khomenko I. M., Batsmanova L. M., Taran N. Yu. Phenylalanine ammonia-lyase activity and anthocyanin content in different varieties of lettuce under the cadmium influence // Ukr. Biochem. J. – 2017. – 89 (2). – P. 85-91.
SCOPUS	23.Taran N., Batsmanova L., Kosyk O., Smirnov O., Kovalenko M., Honchar L., Okaneneko A. Colloidal nanomolybdenum influence upon the antioxidative reaction of chickpea plants (<i>Cicer arietinum</i> L.). // NanoscaleResearch Letters. – 2016.-.11: 476.
SCOPUS	24.Smirnov O., A. Kosyan, O. Kosyk, N. Taran. Response of phenolic metabolism induced by aluminium (Al ³⁺) toxicity in <i>Fagopyrum esculentum</i> Moench. plants. // Ukr. Biochem. J. – 2015. – V. 87(6). P. 129- 135
SCOPUS	25.Okanenko A.A., Taran N.Yu., Kosyk O.I. Plant sulfolipid. 1. Functions // Biopolymers and cell. 2008, T.24, №6. . 431-440
SCOPUS	26.Taran N.Yu., Okaneneko A.A., Kosyk O.I. Plant sulfolipid. II. Mutant study and phosphate deficiency// Biopolymers and cell. 2009, T.25, №1. P. 3-11
SCOPUS	27. Kosyk O.I., Okaneneko A.A., Taran N.Yu. Plant sulfolipid. III. Role in adaptation// Biopolymers and cell. 2009, T.25, №2. P. 1-10.
SCOPUS	28. Smirnov O.Ye., Kosyan A.M., Kosyk O.I., Taran N.Yu. Stem morphology and vascular anatomy <i>Fagopyrum esculentum</i> Moench. for the action of retardant chloroholin chloride. // Modern Phytomorphology. - 2015 - # 7. Pp. 147-152.
Educational and methodical literature	29. Smirnov O.Ye., Kosyan A.M., Kosyk O.I., Taran N.Yu. Morphophysiological parameters of <i>Fagopyrum esculentum</i> Moench. in conditions of alumina stress. // Ukrainian Botanical Journal. - 2014 - T. 71 (4). Pp. 511-516
	30. Kosyk O.I., Hnatyuk L.R. Fundamentals of landscape architecture / textbook. manual. - Kyiv: COMPRINT, 2020. - 288 p.
	31. Panyuta O.A., Olkhovich O.P., Kosyk O.I. Workbook on the course "Botany" section "Plant Anatomy". - Kiev: COMPRINT, 2020. - 66 p.
	32. Okaneneko O.A., Taran N.Yu., Kosyk O.I. Sulfur-containing lipophytes of phototrophs: localization, biosynthesis, role in adaptation processes / monograph. - K. Avega. - 2012 - 106 s.
	33. Okaneneko A.A., Taran N.Yu., Kosyk O.I. Sulfurcontaining plant lipids. - Kyiv: Avega, 2011. - 92 p.
	34. Wojciechowska O.V., Kapustyan A.V. ; Kosyk O.I., Musienko M.M. etc. Plant Physiology: Workshop - Lutsk: Teren, 2010 Grif MES (Letter No. 1.4 / 18-D-338 dated 04.07.06).
	35. Plant physiology. Test tasks for normative courses for the Bachelor's Degree. Edited by Prof. Ostapchenko L.I., Assoc. Balan P.G. - K.: Phytosociocenter, 2010. - P. 177-206.
	36. Kosyk T.P., Kosyk O.I., Gavrylyak O.O. Lessons in Biology. Grade 7 / Methodical Guide. - Kyiv: Genesis, 2008. - 160 c. Grif MES (Letter No. 1.4 / 18-3177 dated 11.08.09).
	37. Taran N.Yu., Kosyk O.I., Okaneneko O.A., Batsmanova L.M. Plant lipids. - K. : Lentiv, 2006.-104 p.
Awards and Rewards	Diploma of the Ministry of Education and Science of Ukraine (2016), Acknowledgment of the Ministry of Education and Science of Ukraine (2015), Diploma of Taras Shevchenko Kyiv National University (2014), Reward of the President of Ukraine for young scientists (2010), Grant of the President of Ukraine for young scientists (2006), laureate of the II competition Scientific and technical projects "Intelligence of young people - in the service of the capital" (2005), laureate of the Ukrainian National Academy of Sciences for young scientists (2004), laureate of IV competition of scientific and technical projects "Intelligent Potential of Young Scientists - Kyiv" (2004)
Participation in organizations	Federation of European Societies of Plant Biology (FESPB); European Society for New Methods in Agricultural Research (ESNA); Ukrainian Society of Plant Physiologists; The Biochemical Society of Ukraine.