Curriculum Vitae

Taran N.Yu.

PERSONAL INFORMATION

TARAN NATALIYA YURIYIVNA

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https://www.biology.univ.kiev.ua/institute-activity/educational/kafedry/kafedra-plant-biology/spivrobitnyky/vykladachi.html

Account (profile) in scientific databases: ORCIL ID: 0000-0002-8669-5899

Sex female | Date of birth 16.12.54 | Citizenship Ukraine

Scientific degrees (specialization)	Doctor of Science in Biology
Academic rank	Full Professor (12ПРN№004571, 22.12.2006)
Position	Chief of the Department
Department	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. Lectures "Plant Physiology" for the 2-nd and 3-rd years BSc students. 2. Lectures “Introduction of gardening objects” for the 4-th year BSc students. 3. Lectures “Organization of gardening production” for the 4-th year BSc students. 4. Practical course in dendrology for the 2-nd year BSc students. 5. Lectures and Practical course "Adaptive plant strategies in the microclimatic spaces of landscapes " for the 1-st year MSc students.
Previous years	All disciplines mentioned above and the following: 1. Lectures and Practical course "Adaptation syndrome in plants" for the 1-st year MSc students. 2. "Physiology of Plant Adaptation" for BSc students. 3. Lectures "Plant Physiology and Biochemistry" for the 3-d year BSc students. 4. "Methods of Phytophysiology" for BSc students, the 2-nd year. 5. Lectures and Practical course “Basics of the scientific research” for the 3-d year BSc students. 6. Lectures «Root nutrition of plants" for the 4-th year BSc students. 7. Practical course "Plant Biochemistry" for the 1-st year BSc students 8. Lectures "Introduction and Adaptation of Plants" for the 4-th year BSc students. 9. Practical course "Methods of contemporary biological investigations" for MSc students, the 1-st year.

	10. Lectures and Practical course "Adaptation of Ornamental Plants" for the 4-th year BSc students. 11. Practical course Lectures "Nanotecnology and plant productivity" for the 2-nd year MSc students. 12. Practical course "Photosynthesis and nanotechnology» for the 2-nd year MSc students. 13. Lectures and Practical course «Stress tolerance of plants" for the 1-st year MSc students.

SCIENTIFIC AND PEDACOGICAL EXPERIENCE

Period (starting from last)	Description
Since 2017 till now	Head of the Department of Plant Biology
	Taras Shevchenko National University of Kyiv; 64/13, Volodymyrska Street, City of Kyiv, Ukraine, 01601; http://www.knu.ua/.
	Area of activity: Education
2010 –2017	Head of the Department of Plant Physiology and Ecology
	Taras Shevchenko National University of Kyiv; 64/13, Volodymyrska Street, City of Kyiv, Ukraine, 01601; http://www.knu.ua/.
	Area of activity: Education
2002– 2010	Head of the Reseach Laboratory "Physiological bases of plant productivity"
	Taras Shevchenko National University of Kyiv; 60, Volodymyrska Street, City of Kyiv, Ukraine, 01033; http://www.knu.ua/.
	Area of activity: Education
1987-1998	Junior Researcher, researcher, senior 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/.
	Area of activity: Science
1971-1986	Technician, laboratory assistant, senior laboratory assistant at the biological faculty
	Taras Shevchenko University of Kyiv; 60, Volodymyrska Street, City of Kyiv, Ukraine, 01033; http://www.knu.ua/.
	Area of activity: Science

EDUCATION AND TRAINING

Period (starting from last)	
2006	The title of Full Professor in the specialty 03.00.12 Plant physiology
	Taras Shevchenko National University of Kyiv; 60, Volodymyrska Street, City of Kyiv, Ukraine, 01033; http://www.knu.ua/.
2001	Doctor of Science in Biology
	Taras Shevchenko National University of Kyiv; 60, Volodymyrska Street, City of Kyiv, Ukraine, 01033; http://www.knu.ua/.
1998-2001	Postdoctoral fellowship
	Taras Shevchenko National University of Kyiv; 60, Volodymyrska Street, City of Kyiv, Ukraine, 01033; http://www.knu.ua/. Title of DSc. Thesis “Plants Adaptive Syndrome while Drought”
1987	PhD degree Kyiv State T.G. Shevchenko University
	Title of PhD thesis “Lipid complex of wheat under elevated temperature and water deficiency of the soil ”
1983-1986	PhD student
	Kyiv State T.G. Shevchenko University
1973-1978	Student
	Kyiv State T.G. Shevchenko University

PERSONAL SKILLS

Name	Level (description)
Native language	Ukrainian
Foreign language 1	English, level B_2
Foreign language 2	Russian
Organizational / managment competence	Member of the editorial board of the “Bulletin of Taras Shevchenko National University of Kyiv (Biol series)”, “Plants Physiology and Genetics" of the «Chornomorski Botanical Journal»,
Other computer skills	Standard set of PC user (Windows, Microsoft Office, Internet, Multimedia), special molecular-taxonomic programs
Fields of professional interests	Mechanisms of plant resistance, biology of phytocenoses, urban and agroland crops, landscape design, greening of urban spaces, practice of landscape gardening.

ADDITIONAL INFORMATION

Item	Titles of publications, projects, conferences, awards and prizes, memberships in academies and societies etc.
Publications	**Prof. Taran is the author of more than 300 scientific publications, 53 of which are included in the Scopus scientometric database (h index-12), 6 manuals, 10 monographs**. Publications in periodicals that are included in scientometric databases recommended by the MES, in particular Scopus: Smirnov O, Kovalenko M, Karpets LA, Dzhagan V, Kapush O, Dzhagan V, Konotop Y, Taran N. Phytotoxic effects of CdTe quantum dots on root meristems of Allium cepa L. Nova Biotechnologica et Chimica. 2021; 20(1): e890. https://doi.org//10.36547/nbc.890 Dzhagan V, Dzhagan V, Hreshchuk O, Taran N. Analysis of scarlet elf cup (*Sarcoscypha coccinea*) carotenoids in vivo by Raman spectroscopy. Journal of Raman Spectroscopy. 2021;52(3):600-607. Smirnov OE, Kosyan AM, Pryimak YV, Kosyk OI, Taran NYu. Organo-specific accumulation of phenolic compounds in a buckwheat seedlings under aluminium-acid stress. Ukrainian Biochemical Journal, 2021; 93(1):75–81. Smirnov OE, Kosyan AM, Kosyk OI, Batsmanova LM, Mykhalska LM, Schwartau VV, Taran NY. Effect of aluminium on redox-homeostasis of common buckwheat (*Fagopyrum esculentum*). Biosystems Diversity, 2021;28(4):426–432. Taran N, Shevtsova T, Sytar O. Heavy metal pollution: Effect on plants and food. In: Metal Toxicity in Higher Plants, 2020:1–20. Olkhovych OO, Taran NY, Karaushu OV, Panyuta OO. Biochemical characteristics of spirulina platensis biomass obtained by different modes of cultivation. International Journal on Algae, 2020;22(2):179–190. Smirnov O, Karpets L-A, Zinchenko A, Kovalenko M, Belava V, Taran N. Changes of morphofunctional traits of *Triticum aestivum* and *Triticum dicoccum* seedlings caused by polyethylene glycol-modeling drought. Journal of Central European Agriculture, 2020, 21(2): 268-274. Smirnov O, Zinchenko Z, Karpets L-A, Kovalenko M, Taran N. Changes of compatible solutes content in *Triticum aestivum* and *Triticum dicoccum* seedlings in response to drought stress. Agraarteadus (Journal of Agricultural Science), 2020, 31(2): 208-211. Futorna, O. A., Badanina, V. A., Gaidarzhy, M. N., Golubenko, A. V., & Taran, N. Y. Variability of anatomical features of leaf blade in species of genus Magnolia L. on the first ontomorphogenesis stages. Journal of Automation and Information Sciences, 2020, 52(4): 26-37. Kazantsev, T. A., Futorna, O. A., Svietlova, N. B., Badanina, V. A., & Taran, N. Y. (2018). Prospects of using unmanned aerial vehicle for assessing climate-making properties of park tree species using Kiev AV Fomin botanical garden as an example. Journal of Automation and Information Sciences, 50(4), 64-74. Olkhovich O, Taran N, Svetlova N, Batsmanova L, Aleksiyenko M, Kovalenko M. Assessment of the influence of the invasive species Pistia stratiotes (Araceae) on some species of submerged macrophytes of natural water bodies of Ukraine. Hydrobiological Journal. 2017; 53(5): 75-84. Taran N., Batsmanova L., Kovalenko M., Okanenko A. Impact of Metal Nanoform Colloidal Solution on the Adaptive Potential of Plants //Nanoscale Research Letters. – 2016. – V. 11, № 1. – P.1–6. (Scopus). **Tutorials:** Таран Н.Ю., Войцехівська О.В., Бровко Ф.М. Лісовідновлення та лісорозведення: навчальний посібник для студентів ОР «Бакалавр», які навчаються за спеціальністю 206 «Садово-паркове

	господарство». 2019.- Кондор.96 с. Панюта О. О., Белава В.Н.,Таран Н.Ю. Рання діагностика резистентності рослин до фітопатогенів за станом антиоксидантної системи.Навчальний посібник. 2019.-АВЕГА . 48 с. Світлова Н.Б., Таран Н.Ю.Фосфо- та гліколіпіди фотосинтетичних мембран за дефіциту фосфору. Монографія. - 2018 Каравела.78 с. Бацманова Л.М.,Таран Н.Ю., Мусієнко М.М. Наночастки металів як полімікродобриво у технологіях вирощування зернобобових культур.- Каравела.- 2018.
Awards and prizes	Winner of the M.G.Kholodny Prize of the NAS of Ukraine (1999) and the Yaroslav the Wise Prize of the Academy of Sciences of Ukraine. The honorary diploma of the Ministry of Education and Science of Ukraine on the 175th anniversary of Taras Shevchenko National University of Kyiv (2009). The gratitude of the Ministry of Education and Science of Ukraine for long-term conscientious work, a significant personal contribution to the training of highly skilled specialists and fruitful scientific and pedagogical activity (2016). Diploma of Taras Shevchenko National University of Kyiv for successes in educational and scientific work (2015). Honorary MES of Ukraine (2016).
Membership in academies, professional and scientific associations	Chairman of the Specialized Council D26.001.14 of the Taras Shevchenko National University of Kyiv, 2019. Member of the Specialized Council D26.001.24 of the Taras Shevchenko National University of Kyiv. Member of the European Society of Plant Biologists (FESPB). Vice-President of the non-governmental organization Women in Science. Ukrainian Society of Plant Physiologists Ukrainian Biochemical Society
Projects	More than 10 completed projects, most recent CRDF (2017-2019); No. 17H036-81
Citations	The Hirsch Index (SCOPUS) is 12