

Dr. Yevhenii Shapovalov

Gender: Male

DOB: August 12, 1992

Title: Ph.D in Technical Sciences

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Educational and Academic Background

Date/Year	Degree	Field	Institution
May 2023	Rank "Senior Researcher"	Computer Science	Ministry of Education and Science of Ukraine
Sep 2014 - Dec 2019	Candidate of Science (Ph.D.)	Biotechnology	National University of Bioresources of Ukraine
Sep 2013 - June 2015	Master (Specialist) of Science	Enterprise Economics	National University of Food Technologies
Sep 2013 - June 2014	Master of Science and Engineering Degree	Environmental Engineering	National University of Food Technologies
Sep 2009- June 2013	Bachelor's Degree	Ecology, environmental protection, and balanced nature management	National University of Food Technologies

Current occupations:

Organization	Position	Field of science	Type
Ministry of Digital Transformation of Ukraine	Senior Specialist/Government Expert	Computer Science	Full-time
National Center Junior Academy of Sciences of Ukraine	Senior Researcher	Environmental Science	Part-time
The State Scientific and Technical Library of Ukraine	Leading Researcher	Computer Science	Part-time
National University of Food Technologies, Kyiv, Ukraine	Associate Professor	Environmental Science	Part-time

Membership and activities in professional associations

Date	Organization	Position	Field of activities	My role
2019	European Studies' Platform for Sustainable Development	Board Member	Approaches on Environmental Sciences and European Integration	Conducting scientific and analytic studies on the relevant topics

Work Experience

Date	Position	Department	Organization
Since Jan 2023	Leading Researcher	Scientific and Organizational Department	The State Scientific and Technical Library of Ukraine
Since Oct 2022	Associate Professor (part-time job)	Department of Ecology and Environmental Management	National University of Food Technologies
Since March 2020	Senior Researcher (part-time job)	Department of Knowledge and Thematic Systems Creation	National Center Junior Academy of Sciences of Ukraine
Since Jan. 2020	Governmental Expert	The Expert Group on the Development of Public Digital Registry Systems	Ministry of Digital Transformation of Ukraine
2018-2020	Researcher	Department of Knowledge and Thematic Systems Creation	National Center Junior Academy of Sciences of Ukraine
2016-2018	Junior Researcher	Department of Knowledge and Thematic Systems Creation	National Center Junior Academy of Sciences of Ukraine
2013-2016	Leading Engineer	Department of Knowledge and Thematic Systems Creation	National Center Junior Academy of Sciences of Ukraine
2012-2013	Laboratory Assistant	Department of Knowledge and Thematic Systems Creation	National University of Food Technologies

Courses taught

Year	Title of the discipline	Description	Oriented on
2022-2024	Modeling in Environmental Sciences	Discipline for high school students	High-school students
2022-2024	Methodology and Statistics for Educational Sciences	Discipline for high school students	High-school students
2018-2019	STEAM in education for teachers in the field of chemistry and biology	The STEAM approach in education includes learning processes and subjects due to Science, Technology, Engineering, Art, and Mathematics. Foresees involving those components in studying chemistry and biology (as a Sciences)	K-12 students
2015-2019	Ecology expedition	Under the "My axiom of infinity – expedition project, over 15 field trips were provided. Water and air quality characteristics were plotted on a GIS map. " Over 20 schools from various parts of Ukraine participated in analyzing the environmental state and comparing it to Ukrainian and European standards. Participants learned methods to analyze environmental quality.	K-12 students
2017/2018 – 2018/2019	Using digital measuring instruments in the education process	Aspects of using different digital measuring instruments are described, and practical aspects of using them were shown in this course. Fourier, Phywe, and labdisk instruments were used to teach educational stuff. Elements of its use, experiment providing, and result analysis were shown to the educational staff of Ukraine.	K-12 students

Grants Year	Grant	Awarding Organization	Title	Field of Science
2023	Grant of Erasmus+ Programme, Jean Monnet Chair	European Commission	Environmental management and communication in the European Union: towards a climate-neutral Europe	Environmental Science/ Computer Science
2022	Grant of Erasmus+ Programme, Jean Monnet Module	European Commission	European Union policies and best practices in academic project management	Environmental Science/Project Management
2022	National competition of scientific projects	National Foundation of Sciences of Ukraine	Development of a National platform for academic events	Computer Science/
2022	National competition of scientific projects	National Foundation of Sciences of Ukraine	Development of National Scientific System URIS	Computer Science/
2021	Scholarship for scientific projects of young scientists from the National Academy of Science of Ukraine	National Academy of Science of Ukraine	Cognitive scientific and educational platform for the formation of transdisciplinary information and analytical areas of young researchers (code: polyhedron - researcher)	Computer Science/Education
2019	Grant of Erasmus+ Programme, Jean Monnet Support to Associations	European Commission	Enhancing European Union Studies and Research on Smart, Sustainable and Inclusive Growth	Environmental Science
2017	Grant of Erasmus+ Programme, Jean Monnet Chair	European Commission	Sustainable Food Production and Consumption in the EU	Environmental Science
2016	Grant of Erasmus+ Programme, Jean Monnet Module	European Commission	Environmental Policy of the EU	Environmental Science

Awards and certificates

Year	Title	Awarding Organization	Field of Science	Type of Grant or Award
2024	Summer Express B2 English Link	First Cambridge Centre	Languages	Certificate
2024	Foreign language for public administration (English) Link	High school of public governance	Languages	Certificate
2021	Certificate of honor of National Center of Junior Academy of Science of Ukraine Link	National Center of Junior Academy of Science of Ukraine	Computer Science/Education	Award of Recognition
2020	Scholarships of the President of Ukraine for young scientists	President of Ukraine	Computer Science/Education	Scholarship
2019	Diploma of the Ministry of Education and Science of Ukraine Link	Ministry of Education and Science of Ukraine	Computer Science/Education	Award of Recognition
2018	Certificate of honor of National Center of Junior Academy of Science of Ukraine Link	National Center of Junior Academy of Science of Ukraine	Computer Science/Education	Award of Recognition
2018	Diploma of the National Center of Junior Academy of Science and National Academy of Sciences of Ukraine Link	National Center of Junior Academy of Science of Ukraine and National Academy of Sciences of Ukraine	Environmental Science	Award of Recognition
2016	3rd Place at Breaking Walls Ukraine competition for the project "Breaking the Wall of Clean Future" Link	Breaking walls Ukraine	Environmental Science	Competition award
2015	Winner of Recycle Hackathon for the project "Eco-constructor" Link	Recycle Hackathon	Environmental Science	Competition award
2013	Kyiv Mayor's Award for significant contributions to the development	Kyiv mayor's office	Environmental Science	Award of Recognition
2012	Diploma for winning a National competition of students' scientific works in environmental science for the project 'Optimization on biogas production from animal waste" Link	National competition of student's scientific works in environmental science	Environmental Science	Competition award

Publications

The general number of publications is 250; more than 25 of them are indexed by Scopus or WoS.

The list of the most valuable publications:

- Shapovalov, Y., Shapovalova, M., & Shapovalov, V. (2024). Improving the Impact of Papers by Integrating Local Digital Libraries with ORCID: The Role of ORCID Consortium. In *Information Technology for Education, Science, and Technics* (pp. 382–392). https://doi.org/10.1007/978-3-031-71801-4_28
- Shapovalov, Y., Shapovalova, M., Shapovalov, V. B., Salavor, O. M., & Andruszkiewicz, F. (2024). AI in Education: Correspondence with Sustainable Pedagogy Approach and Practical Implementation Case at NUFT. VI International Conference on European Dimensions of Sustainable Development, 89.
- Andruszkiewicz, F., Shapovalov, Y., Shapovalov, V., & Dovha, M. (2024). STEM education in Poland: Challenges, disparities, and strategies. In *Current aspects of the development of STEAM education in the conditions of European integration* (pp. 43–44).
- Shapovalov, Ye. B., Bilyk, Zh. I., Usenko, S. A., & Shapovalov, V. B. (2023). STEM-book: Opportunities and Practical Experience of Implementation. (A manual recommended by the Ministry of Education and Science of Ukraine for using during educational process) [Link](#)
- Dovha, M. I., Antonenko, P. D., Shapovalov, Y. B., Lytovchenko, D. S., & Halchenko, M. S. (2023). Developing and evaluating the effectiveness of a pilot online course for creativity development. *International Journal of Technology and Design Education*. <https://doi.org/10.1007/s10798-023-09852-8>
- Antonenko, P. "Pasha," Shapovalov, Y. B., Bilyk, Z. I., Shapovalov, V. B., & Sheppard, T. D. (2023). *Artificial Intelligence-Powered Augmented Reality Facilitates U.S. and Ukrainian Middle Schoolers' Biodiversity Explorations*. AERA 2023 Annual Meeting. (presentation on the AERA conference, 2023) [Link](#)
- Shapovalov, Y. B., Bilyk, Z. I., Usenko, S. A., Shapovalov, V. B., Postova, K. H., Zhadan, S. O., & Antonenko, P. D. (2023). Harnessing personal smart tools for enhanced STEM education: exploring IoT integration. *Educational Technology Quarterly*, 2023(2), 210–232. <https://doi.org/10.55056/etq.604>
- Employment courses taught to students Shapovalov, Y. B., Bilyk, Z. I., Usenko, S. A., & Shapovalov, V. B. (2022). Systematic analysis of digital tools to provide STEM and science education. *Journal of Physics: Conference Series*, 2288(1), 012032. <https://doi.org/10.1088/1742-6596/2288/1/012032>
- Tarasenko, R. A., Usenko, S. A., Shapovalov, Y. B., Shapovalov, V. B., Paschke, A., & Savchenko, I. N. (2022). Ontology-based Learning Environment Model of Scientific Studies. *9th Illia O. Teplytskyi Workshop on Computer Simulation in Education (CoSinE 2021)*. *CEUR*, Vol-3083, 43–58. [Link](#)
- Shapovalov, V. B., Shapovalov, Y., Bilyk, Z., Antonenko, P. D., Usenko, S., Zhadan, S., Lytovchenko, D., & Postova, K. (2021). Novel Methods for Integrating Personal Physiological Devices in STEM Education. *Proceedings of the 2nd Myroslav I. Zhaldak Symposium on Advances in Educational Technology, Aet 2021*, 733–750. <https://doi.org/10.5220/0012067400003431>
- Bilyk, Z., Shapovalov, Y., Shapovalov, V. B., Antonenko, P., Zhadan, S., Lytovchenko, D., & Megalinska, A. (2021). Features of Using Mobile Applications to Identify Plants and Google Lens During the Learning Process. *Proceedings of the 2nd Myroslav I. Zhaldak Symposium on Advances in Educational Technology*, 688–705. <https://doi.org/10.5220/0012067000003431>
- Shapovalov, Y. B., Bilyk, Z. I., Usenko, S. A., Shapovalov, V. B., Postova, K. H., Zhadan, S. O., & Antonenko, P. D. (2020). Using Personal Smart Tools in STEM Education. *Proceedings of the 1st Symposium on Advances in Educational Technology*, 192–207. <https://doi.org/10.5220/0010929900003364>
- Bilyk, Z. I., Shapovalov, Y. B., Shapovalov, V. B., Megalinska, A. P., Andruszkiewicz, F., & Dołhańczuk-Śródka, A. (2020). Assessment of mobile phone applications feasibility on plant recognition: comparison with Google Lens AR-app. *Proceedings of the 3rd International Workshop AREdu 2020*, 2731, 61–78.
- Shapovalov, Y. B., Shapovalov, V. B., Andruszkiewicz, F., & Volkova, N. P. (2020). Analyzing of main trends of STEM education in Ukraine using stemua.science statistics. *7th Workshop on Cloud Technologies in Education (CTE2019)*, *CEUR*, 2643, 448–461.
- Shapovalov, V. B., Shapovalov, Y. B., Bilyk, Z. I., Tarasenko, R. A., Tron, V. V., & Atamas, A. I. (2019). Centralized Information Web-oriented the Educational Environment of Ukraine. *Proceedings of the 6th Workshop on Cloud Technologies in Education (CTE 2018)*, 2433, 246–255. [Link](#)
- Shapovalov, V. B., Atamas, A. I., Bilyk, Z. I., Shapovalov, Y. B., & Uchitel, A. D. (2018). Structuring Augmented Reality Information on the stemua.science. *Proceedings of the 1st International Workshop on Augmented Reality in Education (AREdu 2018)*, 2257(2257), 75–86. <http://ceur-ws.org/Vol-2257/s>
- Shapovalov, Y. B., Bilyk, Z. I., Atamas, A. I., Shapovalov, V. B., & Uchitel, A. D. (2018). The Potential of Using Google Expeditions and Google Lens Tools under STEM-education in Ukraine. *Proceedings of the 1st International Workshop on Augmented Reality in Education (AREdu 2018)*, 2257(2257), 66–74. <http://lib.iitta.gov.ua/712773/>