

**Orest Kiyko**

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Sex Male | Date of birth 15/05/1965 | Nationality Ukrainian

POSITION

Professor of the Furniture Production Techniques and Wood Product Technology Department of the Ukrainian National Forestry University, Doctor of Science

WORK EXPERIENCE

1994—1996: Researcher, Ukrainian State University of Forestry and Wood Technology, industrial research laboratory of the sanding of wood and wooden materials;
1996—1997: Assistant, Ukrainian State University of Forestry and Wood Technology, Furniture Production Techniques and Wood Product Technology Department;
1997—1999: Senior Lecture, Ukrainian State University of Forestry and Wood Technology, Furniture Production Techniques and Wood Product Technology Department;
1999—2001: Associate Professor (Docent), Ukrainian National Forestry University (UNFU), Furniture Production Techniques and Wood Product Technology Department;
2001—present time: Head of the Furniture Production Techniques and Wood Product Technology Department, Ukrainian National Forestry University (UNFU).

EDUCATION AND TRAINING

MSc (engineer-technologist, specialist) in Wood Technology, Lviv Institute of Forest and Wood Technology, Faculty of Woodworking Technology, June 1989;
PhD (Candidate of Science) in Woodworking Technology, Ukrainian State University of Forestry and Wood Technology, Faculty of Woodworking Technology, December 1995. Thesis: Efficiency Increasing for Beach Sanding by the Hardly-Elastic Abrasive Tool;
DSc (Doctor of Science) in Technical Sciences, Ukrainian National Forestry University (UNFU), Faculty of Wood Technology, October 2008. Thesis: Scientific and Technical Bases of the Calibration-sanding Process of the Particle Boards by Hard Abrasive Tool.

ACADEMIC STATUS

Docent of Wood Products Technology Department, September of 2001;
Professor of Wood Products Technology Department, November of 2010.

FIELDS OF COMPETENCE

- Woodworking and furniture technology;
- Forest cluster and forest complex (sector) development;
- International cooperation;
- Higher education.

COURSES OF LECTURES DELIVERED

- Statistical methods of quality products improving;
- Scientific methods of the researching in Wood Technology;
- Technology of box-shape furniture;
- Researching of the forest clusters;
- Green Projects Development and Management;
- Design Thinking.

PERSONAL SKILLS

Mother tongue

Ukrainian

Other language(s)

	UNDERSTANDING		SPEAKING		WRITING
	Listening	Reading	Spoken interaction	Spoken production	
English	B2	B2	B2	B2	B1
Polish	A2	A2			
Russian	C1	C1	C1	C1	C1

(self-assessment)

Communication skills

- good communication skills gained through experience in internal and international projects;
- leadership (currently responsible for a team of 15-20 people).

Organisational /
managerial skills

- ability to organize team for carrying out of the complicated objectives;
- ability to motivate team for some problem solving by personal example.

Job-related skills

- ability to analytical thinking;
- ability to creative activity in professional domain;
- good command of quality control processes.

Digital competence

SELF-ASSESSMENT				
Information processing	Communication	Content creation	Safety	Problem solving
Independent User	Independent User	Independent User	Independent User	Independent User
Other computer skills				

- good command of office suite (word processor, presentation software)
- good command of digital tables software gained as science methods application.

INTERNATIONAL PROJECTS

- Cluster analysis of the forest-based sector of the Carpathian Region of Ukraine, 2006-2008, funded by "Intercooperation" - Swiss Foundation for International Development Cooperation;
- FP7 Capacities, Regions-of-Knowledge, IN2WOOD (FOREST Clusters Development and Implementation Measures of a 6-Region Strategic

- Joint Action Plan for Knowledge-based Regional Innovation, 2010-2012 (full partner);
- FP7 Capacities, RERAM (Bridging Gaps between R2I in Resource Efficiency and Raw Materials), 2014-2016 (leader of working package);
 - DAAD project “Engagement of the Civil Society in Sustainable Forest Management in the Ukrainian Carpathians” – 2016;
 - International research project funded by the Swiss Secretariat for Research, Education and Innovation (SBFI) in the framework of the Ukrainian-Swiss Cooperation in Forest Research “Identifying Green Energy Options for the Ukrainian Carpathians from a biophysical and socioeconomic perspective” – 2017-2020;
 - Horizon 2020 project - POWER4BIO (empowering regional stakeholders for realizing the full potential of European bioeconomy) – 2018-2021 (full partner);
 - Joint Digital Future – DAAD project with Eberswalde University for Sustainable Development (Germany) – 2021-2022;
 - Erasmus+ project – QUARSU (Qualifications recognition support for Ukrainian Universities) - 2019-2023 (full partner);
 - Horizon Europe project - CircHive (Developing & piloting biodiversity footprinting & natural capital accounting via a 'beehive' of sectoral hubs, for sustainable transition to a circular EU bioeconomy) – 2022-2027 (full partner).
 - Erasmus+ project – CirCLER (Circular Economy Transition Manager: guiding companies of the furniture value chain to deploy their transition strategy for a more circular economy) - ERASMUS-EDU-2023-PI-ALL-INNO Topic ERASMUS-EDU-2023-PI-ALL-INNO-EDU-ENTERP, 2024-2027 (full partner).
 - Danube Region Programme project - Fem2forests (Innovative pathways for efficient involvement of girls and young women in the forestry sector), 2024-2027 (full partner).

PUBLICATIONS

More than 200 published works, some of them:

- Кійко, О. А., Ільків, М. М., Пелюх, О. Р., Соловій, І. П., Челепіс, Т. О., Лавний, В. В., Савка, Д. Б., & Луценко, А. О. (2025). Екологічний слід від діяльності деревообробного підприємства: оцінювання впливу та шляхи мінімізації. Scientific Bulletin of UNFU, 35(1), 68-75. <https://doi.org/10.36930/40350109>.
- Pelyukh O., Ilkiv M., Kiyko O., Soloviy I., Chelepis T., Lavnyy V. 2025. Ecological Footprint of Wood-Based Products in the Ukrainian Carpathians Region. Drewno. Prace naukowe. Doniesienia. Komunikaty 68 (215): 00043. <https://doi.org/10.53502/wood-196630>.
- Oksana Pelyukh, Ihor Soloviy, Orest Kiyko, Mykhailo Ilkiv, Taras Chelepis, Vasyl Lavnyy, Д. Б. Савка, А. О. Луценко (2024). Формування бізнес-моделі, орієнтованої на планування сталості підприємств лісового сектора // Наукові праці Лісівничої академії наук України: зб. наук. праць. – Львів: НЛТУ України. – 2024, вип. 27. – С. 168-180. <https://doi.org/10.15421/412418>.
- I. Soloviy, O. Kiyko, M. Ilkiv, T. Chelepis, O. Pelyukh, V. Lavnyy, Assessment of the Furniture Board Ecological Footprint: Case Study of a

Woodworking Enterprise in the Carpathian Region of Ukraine, Bulletin of the Transilvania University of Brasov. Series II: Forestry • Wood Industry • Agricultural Food Engineering: Vol. 17(66) No. 1 (2024). -DOI: <https://doi.org/10.31926/but.fwiafe.2024.17.66.1.6>

- Oksana Pelyukh, Ihor Soloviy, Orest Kiyko, Mykhailo Ilkiv, Taras Chelepis, Vasyl Lavnyu (2023). Слід біорізноманіття продукту: теорія і методологія розрахунку // Наукові праці Лісівничої академії наук України: зб. наук. праць. – Львів: НЛТУ України. – 2023, вип. 25. – С. 156-166. <https://doi.org/10.15421/412313>.

- Gayda S., Kiyko O. (2023). Study of Physical and Mechanical Properties of Post-Consumer Wood of Different Age. *Drewno. Prace naukowe. Drewno* 2023; 66(212): 00010. <https://doi.org/10.53502/wood-177453>.

- Orest Kiyko, Mykhailo Ilkiv and others (2023). Stakeholder Engagement in the Co-Design of Regional Bioeconomy Strategies. *Sustainability* 2023 (an Open Access Journal by MDPI), Volume 15, Issue 8, 6967. DOI: <https://doi.org/10.3390/su15086967>.

- Serhiy Gayda, Orest Kiyko, Mykola Guz. (2022). Comparative studies of the macro- and microstructures of stump-root wood and stemwood. *Folia Forestalia Polonica, Series A – Forestry*, 2022, Vol. 64 (3), 131–142. DOI: 10.2478/ffp-2022-0013.

- Gayda, S.V., Kiyko O.A. (2020). Determining the regime parameters for the surface cleaning of post-consumer wood by a needle milling tool. *Eastern-European Journal of Enterprise Technologies*, 5 (1 (107)), 89–97. doi: <https://doi.org/10.15587/1729-4061.2020.212484>.

- Gayda, S.V., Kiyko O.A. (2020). The investigation of properties of blockboards made of post-consumer wood. *Poznan: Drewno*, 63 (206), 77-102. doi: <https://doi.org/10.12841/wood.1644-3985.352.10>.

- Гайда С.В., Кійко О.А. Властивості вживаної деревини як важливий чинник якості конструкційних матеріалів. Наукові праці Лісівничої академії наук України : зб. наук. праць. – Львів: НЛТУ України. – 2021, вип. 23. – С. 152-162. <https://doi.org/10.15421/412135>

- Гайда С.В., Кійко О.А. Формостійкість як критерій якості столярних плит із вживаної деревини // Наукові праці Лісівничої академії наук України : зб. наук. праць. – Львів: НЛТУ України. – 2018, вип. 17. – С. 185-192.

- Kiyko O., Uwe Kies, R. Shchupakivskyy, M. Yakuba. Resource Efficiency of the Forest-based Sector in Eastern Europe (ENP-EaP countries) // *Regional Baselines in Resource and Raw Material Efficiency - Deliverable no. D2.3*, 2016. Доступно з <https://dx.doi.org/10.13140/RG.2.1.1953.4960>.

- Кійко О.А. та інші. Посилення зв'язку між наукою та інноваціями у сфері ефективності використання ресурсів та сировини // *Заключний звіт науково-дослідної роботи ГД 08.19-06-14 УДК 330.131.5:630*88.002.33. № держреєстрації 0114U004440*. Львів, НЛТУ України, 2016 – 93 с.

- Kiyko O. Forest sector in Eastern Europe: development and perspectives // *Proceedings of the 2-nd International Scientific Conference "WOOD – SCIENCE – ECONOMY"*. - Poznan, Poland, 2017 – p. 22.

- Orest Kiyko, Mykhailo Ilkiv, Myroslava Yakuba. Bioeconomy development strategy of the Lviv region. Ukrainian National Forestry University (UNFU), - 2020 -59 pages. Available at: https://drive.google.com/file/d/1e1MPLJtwiuiulb6dSHfla8lUK_KSNZQz/view?usp=sharing
- Orest Kiyko, Mykhailo Ilkiv, Myroslava Yakuba. Analysis of the Lviv region's bioeconomy. Ukrainian National Forestry University (UNFU), - 2020 – 65 pages. Available at: https://drive.google.com/file/d/1I_sudJyrghKYGx1TbnSBW6DeUczioBkV/view?usp=sharing
- Kiyko O., Uwe Kies, Shchupakivskyy R. Furniture industry in Eastern Europe: challenges and opportunities for sustainable development // Forestry, Forest, Paper and Woodworking Industry: Collection scientific and technical works. – Lviv: UNFU. – 2015, vol. 41. – P. 5-14.
- Kiyko O., Uwe Kies. Resource efficiency and raw material use in woodworking industries in Eastern Europe: challenges and opportunities for sustainable production // Forestry, Forest, Paper and Woodworking Industry: Collection scientific and technical works. – Lviv: UNFU. – 2015, vol. 41. – P. 15-22.
- Kiyko O., Kies U., Yakuba M., Shchupakivskyy R., Kandelaki T., Iatchevici V., Ratajczak E., Leszczyszyn E., 2016. Resource efficiency of the forest-based sector in Eastern Europe (ENP-EaP countries). RERAM project report D2.3. Ukrainian National Forestry University, Internationales Institut für Wald und Holz NRW e.V. Lviv, Münster. – 2016 – 90 p. Available from www.reram.eu.
- Kiyko O., I. Soloviy, I. Voytovych, M. Yakuba, L. Zahvoyska, U. Kies. Forest clusters development and implementation measures of a 6-region strategic joint action plan for knowledge-based regional innovation. WP.3 Strategies. Regional Strategy Report, Carpathian Region, Ukraine. Working Paper. Edited by L. Zahvoyska. Ukrainian National Forestry University, Lviv, Ukraine, 2011. - 92 p.
- Kiyko O., I. Soloviy, I. Voytovych, M. Yakuba, L. Zahvoyska, U. Kies. Forest clusters development and implementation measures of a 6-region strategic joint action plan for knowledge-based regional innovation. WP.3 Analysis, Carpathian Region, Ukraine. Working Paper. Edited by Ihor Soloviy. Ukrainian National Forestry University, Lviv, Ukraine, 2011. - 104 p.
- Kiyko O. Five challenges facing the forest sector of Ukraine or "borsch" for the Ukrainian economy // All-Ukrainian branch newspaper "Woodworker", №10 (40) 16.10. – 12.11. 2017. – P. 6-7.
- Kiyko O. From idea to new startup: how to train a businessman for the forest sector // All-Ukrainian branch newspaper "Woodworker", №10 (40) 16.10. – 12.11. 2017. – P. 8.
- Kiyko O. In search of a prince or three stories about furniture production in Ukraine // Journal "Furniture case". – Kiev. – 2017, vol. 1. – P. 16-19, vol. 2. – P. 20-23, vol. 3. – P. 21-24.
- Kiyko O.A., Kiyko I.O. Economic-mathematical model of the Ukrainian forest sector functioning // Scientific Messenger: Collection scientific and technical works. – Lviv: UNFU. – 2012, vol. 22.12 – P. 349-357.

- Kiyko O.A. Check of the simulation model for the calibration of the wooden board materials on the sensitivity to changes of the distribution rule // Scientific Messenger: Collection scientific and technical works. – Lviv: UNFU. – 2010, vol. 20.10 – P. 302-308.
- O.A.Kiyko, M.M Yakuba, I.H.Voytyvych, O.R Prokopovich. Cluster approach and cluster analysis in the forest sector: lecture notes. – Ivano-Frankivsk: Foliant, 2010. - 268 p.
- O. A. Kiyko. Statistical methods for quality product improving in woodworking: educational textbook. - Lviv, Panorama, 2010 – 228 p.
- Kiyko O.A. Investment attractiveness of the forestry sector in the Lviv region // Scientific Messenger: Collection scientific and technical works. – Lviv: UNFU. – 2009, vol. 19.3 – P. 99-109.
- Kiyko O.A. Ways of the waste reducing by the means of simulation model and using of the "six sigma" concept in the process of particle board sanding // Scientific Messenger: Collection scientific and technical works. – Lviv: UNFU. – 2006, vol. 16.6 – P. 103-110.
- Kiyko O.A. The length of the sanding for the period of hard abrasive stability during calibration of particle board by grinding tool // Scientific Messenger: Collection scientific and technical works. – Lviv: UNFU. – 2005, vol. 15.5 – P. 155-166.
- O. A. Kiyko. Calibration-sanding of particle board by the hard abrasive tool: monograph. - Lviv: Panorama, 2005. – 204 p.
- O. A. Kiyko. Elastic abrasive tools for woodworking // International Information and Technical Journal "Equipment and Tools for Professionals". – Kharkiv. - 2004, vol. 3. - P.28-31, vol. 5. - P. 34-38.
- Kiyko O. A. Influence thickness of particleboard on basic indexes of calibration-grinding process // Composite Wood Materials: collection of the advanced studies of IV-th International Symposium. – Zvolen: Technical University. – 2002. – P. 57-59.
- Kiyko O.A. Principles of model creation for proses of sanding of solid wood // Scientific Messenger: Collection scientific and technical works. – Lviv: UNFU. – 2001, vol. 11.2 – P. 14-16.

PRESANTATIONS AT CONFERENCES AND MEETINGS

More than 50 presentations at conferences and meetings, some of them:

- Kiyko O. Green transformation of Ukraine: problems and perspectives. Presentation – The sixth All-Ukrainian Forest-based Industry Forum. Lviv – 12.06.2025.
- Kiyko O. Wooden building and construction in Ukraine - Bern University of Applied Sciences, Continuing education , CAS , Rebuild Ukraine, 13, January 2025.
- Kiyko O. Green rebuilding of Ukraine. Presentation – The fifth All-Ukrainian Forest-based Industry Forum. Lviv – 13.06.2024.
- Kiyko O. How to start moving in the biodiversity direction: Ukrainian case within the frameworks of the CircHive project. CircHive webinar - 8.2.2024.
- Kiyko O. Wooden building and construction in Ukraine: history, market features, forest as important resource for rebuilding of Ukraine

(availability and potential), main players, current trends and future potential in reconstruction of Ukraine. Bern University of Applied Sciences, Continuing education, CAS - Rebuild Ukraine, 25, October 2023.

- Kiyko O. Bioeconomy development strategy of the Lviv Region of Ukraine in action. Regional business webinar "Approaching EU standards and opportunities for Ukrainian business: the experience of the Western region". Lviv, National University "Lviv Polytechnic University" (Ukraine), October 13, 2023

- Kiyko O. Ukrainian green transformation: problems and perspectives. Meeting of experts within the framework of the Regional Weimar Triangle "Circular economy is a challenge for regions and cities. Bio-waste processing or energy production from biodegradable waste". Katowice, Tychy (Poland), September 25-27, 2023

- Kiyko O. Prospects of the Ukrainian forest sector development. Interregional educational and practical forum "Forests of Ukraine: European integration, war, climate change and modern reforms". February 21-22, 2023, Kyiv, Ukraine.

- Kiyko O. Forest sector development: problems and perspectives. X INTERNATIONAL SCIENTIFIC AND PRACTICAL CONFERENCE "Socio-economic and energy problems of development of countries" Oles Honchar Dnipro National University - March 29, 2022.

- Kiyko O. Creating bioeconomy strategy of the Lviv region of Ukraine: problems and perspectives. "Bioeconomizing the Danube Region: All stakeholders hand-in-hand", Zagreb, October 20, 2021.

- Kiyko O. Prospects for the development of the forest sector in the national and regional dimensions. Second All-Ukrainian Timber Industry Forum. Lviv - 20.05.2021.

- Kiyko O. The bioeconomy strategy of Lviv region is the basis of smart specialization of the region. Council of the forest sector of the Lviv region. Lviv - 15.09.2020.

- Kiyko O. Problems, achievements and prospects of technological education in the field of woodworking and furniture. Round table "Prospects for the development of the specialty" Woodworking and furniture technologies - 09/17/2019.

- Kiyko O. Social aspects of the forest sector workforce in Ukraine and Eastern Europe. Promoting Green Jobs in the Forest Sector. Joint FOREST EUROPE, UNECE and FAO Workshop. - 27—28 June 2017. Bratislava, Slovakia.

- Kiyko O. Forest sector in Eastern Europe: development and perspectives. The 2-nd International Scientific Conference "WOOD – SCIENCE – ECONOMY". - 16 -17 October, 2017, Poznan, Poland.

- Kiyko O. Five ideas in regard to Green Energy Options for the Carpathian Region of Ukraine - Identifying Green Energy Options for the Ukrainian Carpathians from a biophysical and socioeconomic perspective. Kick-off Workshop, 8-10 February 2017, Lviv, Ukraine

- Kiyko O., Uwe Kies. Forest sector of Ukraine: Challenges and future opportunities - Current problems and prospects of development of foreign economic activity in the context of globalization: International scientific and practical conference, Lviv, October, 27-28, 2016.

- Kiyko O. The forest-based sector of the ENP: challenges & future opportunities - Final Event RERAM, 18 May 2016, Lviv, Ukraine.
- Kiyko O. Development Strategy of the forest sector of the Carpathian region of Ukraine - Forum "Cluster woodworking and furniture industry", December 23, 2015.
- Kiyko O. Domestic consumption VS exporting: example from Ukrainian forest sector - Balkan workshop on Forest Products Markets and Forest Sector Workforce, 8-10 December 2015, Podgorica, Montenegro.
- Kiyko O. The Resource Efficiency of Woodworking Industries in Eastern Europe project - Balkan workshop on Forest Products Markets and Forest Sector Workforce, 8-10 December 2015, Podgorica, Montenegro.
- Kiyko O. Furniture industry in Eastern Europe: challenges and opportunities for sustainable development - The 1-st International Scientific Conference "WOOD – SCIENCE – ECONOMY" 5 -6 October, 2015, Poznan, Poland.
- Kiyko O. Reforms for resource-efficiency in the forest sector of Ukraine – International Forum "Timber and woodworking industry - reforms, investments, innovations", September 23, 2015, Kiev, Ukraine.
- Kiyko O. Resource Efficiency and Raw Materials in the Forest - based Sector of Eastern Europe (ENP) RERAM Project Presentation - – Chisinau, Moldova, December 10, 2014.
- Kiyko O. Lessons of the Ukrainian Forest Sector Development - International scientific-practical conference "Current challenges of sustainable forest management in Caucasus". Agricultural University of Georgia. 07-08 October, 2013, Tbilisi.

MEMBERSHIP

- Member of the Academic Council in the Ukrainian National Forestry University in regard to defend of PhD and Doctor of Science dissertations – since 2008;
- Academic of Forestry Academy of Ukraine – since 2019;
- Member of the "Team of Specialists" on Sustainable Forest Products within the framework of the UNECE/FAO (The United Nations Economic Commission for Europe / Food and Agricultural Organization of the United Nations) Forestry and Timber Section - since 2018 - <http://www.unece.org/fileadmin/DAM/timber/mis/tos/2018/contacts-18-01-2019.pdf>;
- Member of the "Team of Specialists" on Green Jobs in the Forest Sector within the framework of the UNECE/FAO/ILO (the United Nations Economic Commission for Europe / Food and Agricultural Organization of the United Nations / International Labour Organization) Forestry and Timber Section – since 2017 - http://www.unece.org/fileadmin/DAM/timber/Content/website_lists_of_ToS/ToS_Green_Jobs_Members_2018-2019.pdf
- Member of Scientific Board of journal "Drewno" ("Wood. Research papers. Reports. Announcements" ("Drewno") is an international scientific journal that publishes original results of innovatory basic and applied research concerning technological, technical, economic and ecological issues important for the wood science and forest-based industries, including their environment, and interesting to the international recipients. "Drewno" is

published under umbrella of Wood Technology Institute in Poznan (Poland) – since 2017.

- Deputy Chief of the Council of the Forest State Regional Administration – since 2016.

- Deputy Chief of the “Ukrainian Association of the Professional Woodworkers” – since 2010.

ORCID

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COURSES

International courses in reference to Clean Production Methods – “Resource and Energy Efficiency in Industrial Production” (50 hours, Graz, Austria, Graz, 2015).

HOBBIES

Football, Swimming, Travelling.