

# CURRICULUM VITAE

**Lyudmyla D. Zahvoyska**

## CURRENT POSITION

Professor, department for Economics, Tourism and Recreation, Ukrainian National Forestry University (UNFU). Corresponding member of the Ukrainian Academy of Forestry Science.

## PERSONAL INFORMATION

Place of birth: Ternopil region, Ukraine  
Date of birth: September, 21, 1959  
Citizenship: Ukrainian  
Passport: FE 021484  
Marital Status: Married, daughter and son  
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## EDUCATION

- 2003 Candidate of Science, PhD. Ivan Franko National University of Lviv, Ukraine.  
Dissertation: Economic-Mathematical Models in Operations Management of Wood Processing Enterprises. Specialty 08.03.02 Economic-Mathematical Modeling (Quantitative Methods in Economy).
- 1981 Specialist diploma. Economist-mathematician. Ivan Franko State University of Lviv. Economic Faculty, Department of Economic Cybernetics.

## PROFESSIONAL POSITIONS HELD

- 2025-Present: Professor, department for Economics, Tourism and Recreation, UNFU
- 2023-2024: Professor, department for Ecological Economics and Business, UNFU
- 2021-2023: Associate Professor, department for Ecological Economics and Business, UNFU
- 2004-2021: Associate Professor, Department for Ecological Economics, UNFU
- 2006-2014: Deputy Director of the Institute of Ecological Economics, UNFU
- 1994-2004 Assistant professor, Senior Lecturer, UNFU
- 1992-1994: Engineer, UNFU computer centre
- 1981-1992 Engineer-programmer, All-Union Design Institute “Atomteploelektroproekt”

## RESEARCH

### Areas of Professional Expertise and Research Interests:

Identification and valuation of forest ecosystem services; Integration of ecosystem services into decision-making. Ecological economics, Quantitative and qualitative methods for ecological-economic systems analysis and modelling; Complex systems, Environmental economics, Economic analysis.

### Professional Honours, Awards, Fellowships

- 2025- present Instituto Universitario de Gestión Forestal Sostenible | Sustainable Forest Management Research Institute, Universidad de Valladolid, Spain
- 2025- present IUFRO research group 4.05.05 – Social and institutional innovation and entrepreneurship, coordinator deputy
- 2022-2025** Visiting professor, Plant Production and Forest Resources Department, Higher Technical School of Agricultural Engineering, University of Valladolid. Avda. de Madrid, 44 -- 34004 Palencia, Spain
- 2016-2017** Fulbright Visiting Scholar Program. Transforming the Traditional Vision of Social-ecological Systems: Forest Clusters. Portland State University, OR, USA.
- 2016** Massive Open Online Course on [Introduction to Dynamical Systems and Chaos](#), provided by the Santa Fe Institute, USA.
- 2015 Short-term scientific mission (STSM) at the James Hutton Institute, UK, under the COST Action ES1203 on Enhancing the resilience capacity of sensitive mountain forest ecosystems under environmental change (<http://www.sensfor-cost.eu/>). STSM title: Instruments of adaptive and holistic natural resource management
- 2013** Massive Open Online Course on *Introduction to Complexity*, provided by the Santa Fe Institute, USA.
- 2011** **European Training Foundation. Expertise in Sustainable Development indicators in Belarus and Ukraine.**
- 2010 Corresponding member of the Ukrainian Academy of Forestry Science
- 2010 ISIS Academy Master Class in Sustainability Change Agency, Stockholm, presented by AtKisson Group in partnership with the Baltic University Programme, the Baltic University Programme grant
- 2007 Academic exchange, study visit to the Pennsylvania State University, USA. Grant was provided by the Trust for Mutual Understanding
- 2005, 2007 Academic exchange, study visit to the Gund Institute for Ecological Economics, University of Vermont, USA. Grants were provided by the Trust for Mutual Understanding
- 2005, 2006 Academic exchange, study visit to the International Institute of Industrial Environmental Economics, Lund, Sweden. Grant provided by the Swedish International Development Cooperation Agency, SIDA
- 2005 Summer School in Econometrics. Kyiv-Mohyla Academy, Kyiv, Ukraine. EERC Program.
- 1999-2000 Training at the Albert-Ludwigs University of Freiburg, Germany. Scientific supervisor Prof. Dr. Dr. h.c. H. Essmann. Scholarship was provided by the Tempus Tacis Project T\_JEP 10255-96 “Environment and Natural Resource Economics” (ENARECO). Total duration 3 months.
- 1997-1999 Training at the Padova University, Italy. Department of Land and Agroforestry Systems, Section of Agricultural and Forest Economics and Policy. Scientific supervisor Prof. Dr. h.c. D. Pettenella. Scholarship was provided by the Joint European Tempus Tacis Project T\_JEP 10255-96. Total duration of 10 months

### Professional webpages:

- <https://www.scopus.com/authid/detail.uri?authorId=24176030600>
- <https://publons.com/researcher/2158640/lyudmyla-d-zahvoyska/>
- <https://www.linkedin.com/in/lyudmyla-zahvoyska-55206139/?originalSubdomain=ua>
- <https://orcid.org/0000-0002-0028-4723>
- [https://www.researchgate.net/profile/Lyudmyla\\_Zahvoyska](https://www.researchgate.net/profile/Lyudmyla_Zahvoyska)

### Publications

Among publications there are more than 300 multi-authored and co-edited books, textbooks, chapters of monographs, papers, didactic guides, and contributions to conference proceedings dedicated to tackling sustainable development challenges especially in forest ecosystem services use, quantitative methods in economic analysis, valuing the ecosystem services, eco-efficiency, production logistics of wood processing enterprises, and modeling in Ukrainian and foreign journals.

### Conferences, presentations

Conferences and workshops in Byelorussia, Canada, Czech, France, Finland, Germany, Italy, Poland, Spain, Sweden, USA, presentations on scientific seminars and the University of Vermont, USA and James Hutton Institute, Scotland, UK.

### Professional service

Member of the Editorial Board of the journals “Environmental economics” (ISSN 1998-6041) and “Scientific Bulletin of UNFU” (ISSN 1994-7836)

2006-2014: Head of the Didactic Board of the Institute of Ecological Economics, UNFU

2004-2020: Responsible person for the cooperation of the UNFU with the Baltic University Programme, Uppsala University, Sweden

### Some recent projects:

- Modernizing master programs to support forest sector transformation towards Ukraine’s post-war green rebuilding" (ForestPost) №101179074 ERASMUS-EDU-2024-CBHE Erasmus+ program of EU (2024 – present).
- Cost Action CA21125. A European forum for revitalisation of marginalised mountain areas (MARGISTAR), 2022-2026 (<https://e-services.cost.eu/action/CA21125>) (2024 - present);
- Erasmus + KA2 project SysMind (<https://www.sustainablemindset.eu/sysmind/>) (2021-2024)
- Eklipse (<https://eklipse.eu>) (2021-2024) <https://www.sustainablemindset.eu>
- Identifying green energy options for the Ukrainian Carpathians from a biophysical and socioeconomic perspective, WSL (2017- 2022).

### COURSES TAUGHT AND OTHER SERVICES provided to students and the home institution:

Product Design and Life Cycle Assessment, Modelling of ecological-economic systems, Economic analysis, Preventive business strategies, Information systems and technologies, Sustainable development.

### Teaching in international programs:

- Sustainable Baltic Region and Sustainable Development courses in the framework of Baltic University Program, UNFU.
- Introductory Course: Introduction to Mediterranean Forestry and Natural Resources. Co-funded by Erasmus+ program, University of Valladolid.

**OTHER PROFESSIONAL ACTIVITIES**, such as workshops, seminars and consultations:

**Summer course:** Sustainability Innovations in a Circular Economy", organized at UNFU, Sep 3-7, 2019 together with Hamburg University of Applied Sciences and supported by BUP.

**Conference organizer:** IUFRO unit 4.05.00 International symposium on Building Insights of Managerial Economics and Accounting towards Sustainable Forest Management, May 17-19, 2007. UNFU, Lviv, 2007.

International conference on Greening Economy. UNFU, Lviv, September, 2005.

**Scientific Atelier organizer:** Ecological Economics and Sustainable Forest management. University of Vermont, USA; Sweden Agricultural University; UNFU, Lviv, September-October, 2007.

**Workshop organizer:** Life cycle thinking. Key speaker: Naoko Tojo, International Institute of Environmental Economics, Lund University, Sweden; UNFU. UNFU, Lviv, March, 2008.

Methodology of Environmental Economics. Key speaker: Lars Hensson, International Institute of Environmental Economics, Lund University, Sweden; UNFU. UNFU, Lviv, March, 2007.

Methodology of Ecological Economics. Key speakers: Joshua Farley, Alexey Voinov, Gund Institute for Ecological Economics, University of Vermont, USA. UNFU, Lviv, May 2006.

**Supervision** of more than 20 master students.

**Supervision** of three PhD students:

**Pelyukh O. R.** Evaluation of ecological and economic efficiency of secondary Norway spruce stands conversion in the Ukrainian Carpathians. – The manuscript. Thesis for obtaining the scientific degree of Candidate of Economic Sciences on specialty 08.00.06 – Economics of Nature Use and Environmental Protection, Rivne, 2020..

**Shvediuk I. V.** Evaluation of economic efficiency of reforestation on forest sites: Maley Polissya case study. – Manuscript copyright. Dissertation for obtaining the scientific degree of Candidate of Economic Sciences on specialty 08.00.06 – Economics of Nature Use and Environmental Protection. – National University of Water Management and Nature Resources Use of the Ministry of Education and Science of Ukraine. Rivne, 2016.

**Supervision** of Fulbrighter MSc. Garry Sotnik, Portland State University (2015-2016)

**MEMBERSHIP AND ACTIVITIES IN PROFESSIONAL ASSOCIATIONS**

Forestry Academy of Sciences of Ukraine, corresponding member

Responsible person at the UNFU for the cooperation with Baltic University Programme, Uppsala, Sweden

Member of the Eclipse network

### Journal Peer Reviewer:

- Forests (<https://www.mdpi.com/journal/forests>)
- Forestry Ideas (<http://forestry-ideas.info>)
- Agricultural and Resource Economics ([www.are-journal.com](http://www.are-journal.com))
- Energies (<https://www.mdpi.com/journal/energies> )
- Journal of Environmental Management (<https://www.journals.elsevier.com/journal-of-environmental-management> )
- Land (<https://www.mdpi.com/journal/land>)
- Sustainability (<https://www.mdpi.com/journal/sustainability>)

### Projects Peer Review:

- Fulbright Program

### COST projects:

- CA21125, A European forum for revitalisation of marginalised mountain areas (MARGISTAR), 2022-2026;
- CA16232 UA European Energy Poverty: Agenda Co-Creation and Knowledge Innovation, 2017-2021, Management Committee member;
- COST Action ES1203 Enhancing the resilience capacity of sensitive mountain forest ecosystems under environmental change (SENSFOR), 2012-2016, Management Committee member;
- COST Action FP1203 Establishing an European non-wood forest products (NWFPs) network, 2012-2016, Management Committee member;
- COST Action FP1206 European mixed forests. Integrating Scientific Knowledge in Sustainable Forest Management (EuMIXFOR), 2013-2017, Management Committee member;
- COST Action CA15206 Payments for Ecosystem Services (Forest for Water), 2016-2021, Management Committee member.

### COMMUNITY SERVICE

Professional consultation on improvement of ecological-economic assessment of energy efficiency for Lviv city buildings

**LANGUAGES:** Ukrainian (native speaker), Russian (fluent), English (level B2).

### SOME OF RECENT PUBLICATIONS

#### Book chapters

Pach, M., Sansone, D., Ponette, Q., Barreiro, S., Mason, B., Bravo-Oviedo, A., **Zahvoyska, L.** ... & Corona, P. (2018). Silviculture of mixed forests: a European overview of current practices and challenges. In *Dynamics, silviculture and management of mixed forests* (pp. 185-253). Springer, Cham.

**Zahvoyska L.** [Sustainability transformation: challenges and insights.](#) In: Methodological bases and practice of sustainable development implementation. O. Prokopenko, N. Kostyuchenko (Eds.). – Ruda Śląska : Drukarnia Studio GraficzneOmnidium, 2015. – P. 8-20. (Available from: [http://essuir.sumdu.edu.ua/bitstream/123456789/44408/3/Methodological\\_bases.pdf](http://essuir.sumdu.edu.ua/bitstream/123456789/44408/3/Methodological_bases.pdf)).

**Zahvoyska L.,** T. Bas, 2013. [Stakeholders' perceptions of mountain forest ecosystem services: the Ukrainian Carpathians case study.](#) In: J. Kozak, K. Ostapowicz, A. Bytnerowicz, B. Wyga (Eds). *The Carpathians: Integrating Nature and Society towards Sustainability*. Springer-Verlag, Berlin-Heidelberg, p. 353-367. ISBN: 978-3-642-12725-0.

Keeton W. S., P. Anglestam, M. Baumflek, L. Zahvoyska et al., 2013. [Sustainable forest management alternatives for the Carpathian mountain region, with a focus on Ukraine](#). In: J. Kozak, K. Ostapowicz, A. Bytnerowicz, B. Wyga (Eds). *The Carpathians: Integrating Nature and Society towards Sustainability*. Springer-Verlag, Berlin-Heidelberg, p. 331-352. ISBN: 978-3-642-12725-0.

Zahvoyska, L. 2009. [Stochastic simulation as an instrument for technological systems environmental performance](#). In: **Energy and Environment**. Challenges to Security (NATO Science for Peace and Security Series C: Environmental Security). S.Stec, B. Baraj (Eds.). Springer, Dordrecht, 2009. – P. 391-402.

Farley, J., Zahvoyska, L., Maksymiv, L. 2009. Transdisciplinary paths towards sustainability: new approaches for integrating research, education and policy. In: I. P. Soloviy, W. S. Keeton (Eds). *Ecological economics and sustainable forest management: developing a transdisciplinary approach for the Carpathian Mountains*. P. 55-69.

## PAPERS

Zahvoyska, L., Mits, L. (2025). Development of Recommendations Services in the Activities of Forestry Enterprises of Ukraine Using the TOWS Analysis Method. *Economy and Society*, 74. <https://doi.org/10.32782/2524-0072/2025-74-75>

Zahvoyska, L., Tackling Nexus of Systemic Crises: an Ecological Economics Response (2023). *Scientific Bulletin of UNFU* 33(1), 52-59.

Báliková, K., Červená, T., De Meo, I., De Vreese, R., Deniz, T., El Mokaddem, A., Zahvoyska L. ... & Paletto, A. (2020). How Do Stakeholders Working on the Forest-Water Nexus Perceive Payments for Ecosystem Services? *Forests*, 11(1), 12.

Sarkki, S., Parpan, T., Melnykovich, M., Zahvoyska, L., Derbal, J., Voloshyna, N., & Nijnik, M. (2019). Beyond participation! Social innovations facilitating movement from authoritative state to participatory forest governance in Ukraine. *Landscape Ecology*, 34(7), 1601-1618.

Pelyukh, O., Paletto, A., & Zahvoyska, L. (2019). Comparison between people's perceptions and preferences towards forest stand characteristics in Italy and Ukraine. *Annals of Silvicultural Research*, 43(1), 4-14.

Sarkki, S., Jokinen, M., Nijnik, M., Zahvoyska, L., Abraham, E. M., Alados, C. L., ... & Zhyla, T. (2017). Social equity in governance of ecosystem services: synthesis from European treeline areas. *Climate Research*, 73(1-2), 31-44.

Pelyukh, O., Paletto, A., & Zahvoyska, L. (2019). People's attitudes towards deadwood in forest: evidence from the Ukrainian Carpathians. *Journal of Forest Science*, 65(5), 171-182.

Pelyukh, O., Zahvoyska, L., Maksymiv, L., & Paletto, A. (2019). Stakeholders' interests and roles in the context of secondary Norway spruce forest conversion: Ukrainian Carpathians case study. *Bulletin of the Transilvania University of Brasov. Forestry, Wood Industry, Agricultural Food Engineering. Series II*, 12(1), 59-72.

Pelyukh, O., & Zahvoyska, L. (2018). Investigation of Lviv region population's preferences regarding recreational forests using choice experiment method. *Scientific Bulletin of UNFU*, 28(9), 73-80.

Leal Filho, W., Fedoruk, M., Zahvoyska, L., & Avila, L. V. (2021). Identifying and Comparing Obstacles and Incentives for the Implementation of Energy Saving Projects in Eastern and Western European Countries: An Exploratory Study. *Sustainability*, 13(9), 1-16.

Zahvoyska, L., & Bletska, O. (2019). Modelling Energy Transition Process using System Dynamics: Energy Cooperatives as a Tool for Transition to Sustainable Use of Wood Biomass in the Residential Sector. *Proceedings of the Forestry Academy of Sciences of Ukraine*, (19), 187-198. (In Ukr.).

- Nijnik, A., Nijnik, M., Kopyi, S., **Zahvoyska, L.**, Sarkki, S., Kopyi, L., & Miller, D. (2017). Identifying and understanding attitudinal diversity on multi-functional changes in woodlands of the Ukrainian Carpathians. *Climate Research*, 73(1-2), 45-56.
- Sarkki, S., Jokinen, M., Nijnik, M., **Zahvoyska, L.**, Abraham, E. M., Alados, C. L., ... & Zhyla, T. (2017). Social equity in governance of ecosystem services: synthesis from European treeline areas. *Climate Research*, 73(1-2), 31-44.
- Richnau, R., Angelstam, P., **Zahvoyska, L.** et al., 2013. Multi-faceted total economic value profiles of forest owner groups in South Sweden: the River Helge å catchment as a case study. *Ambio* 42(2), p. 188-200. (Available from: <http://link.springer.com/article/10.1007/s13280-012-0374-2>).
- Zahvoyska, L., Shvediuk, I.** 2011. [Justification of forestation policy using multicriteria decision making methods](#). ICFFI News, Vol. 1 (13). International Centre of Forestry and Forest Industries, St. Petersburg State Forest Technical University. Printing house of SPb SFTU, St. Petersburg: 34–43.
- Nijnik, M., **Zahvoyska, L.**, Nijnik, A., Ode, A. 2009. [Public evaluation of landscape content and change: Several examples from Europe](#). *Land Use Policy* 26 (1), p. 77-86.

### Some of Conference proceedings

- Pelyukh, O., **Zahvoyska, L.**, 2021. [Lviv region population's willingness to pay for forests care in accordance with the expressed preferences](#). Proc. of the BUP Symposium 2021.
- Pelyukh, O., **Zahvoyska, L.**, 2021. Cost-benefit analysis of spruce monocultures conversion: evidence from the Ukrainian Carpathians. Book of Abstracts of the international scientific conference 6-th FORUM CARPATICUM (Brno, 21st June - 25th June, 2021). Brno, 2021. P. 111-112.
- Zahvoyska, L., Maksymiv, L.**, Bjoernsen-Gurung, A. 2020. [Problem-based learning applied to economic education for sustainability](#). Proc. of the V4 Green Universities conference. Pécs.
- Zahvoyska, L.**, Sarkki, S. Zhyla, T., 2014. Perceptions of treeline ecosystem services and their governance: focus on Ukrainian Carpathians. In: Local Responses to Global Challenges: Proceedings of Forum Carpaticum' 2014. I. Kruhlov, B. Prots (eds). Ukrayinsky Bestseler, Lviv. P. 65-69.
- Zahvoyska, L.**, Shvediuk, I. 2013. Economic efficiency of reforestation projects: Male Polissya (Northern Ukraine) case study. In: L. Šišak, R. Dudik, M. Hrib (Eds.). Socio-economic Analysis of Sustainable Forest Management. Proc of IUFRO unit 4.05.00: Managerial Economics and Accounting symposium. Prague, May 15-17, 2013. Czech University of Life Sciences Prague, Prague, p. 163.
- Zahvoyska, L., Jöbstl, H., Kant, S., Maksymiv, L.** (Eds.). 2009. [Building insights of managerial economics and accounting towards sustainable forest management](#): Proceedings of the IUFRO unit 4.05.00 International symposium. May 17-19, 2007. UNFU Press, Kamula, Lviv. (Available from: <http://www.iufro.org/science/divisions/division-4/40000/40500/publications/>).
- Zahvoyska, L., Maksymiv, L.** 2008. Transdisciplinary Learning Model for Integrating Research and Policy in Sustainable Forest Management International symposium on emerging needs of society from forest ecosystems: towards the opportunities and dilemmas in forest managerial economics and accounting. Proceedings. Zadnik Stirn L. (Ed.) – Ljubljana: University of Ljubljana. – P. 168-175.
- Zahvoyska, L.**, 2007. Deeping insights of stakeholders' perceptions regarding forest values. In: Zadnik-Shtirn L., Drobne S. (Eds.). Proceedings of the 9<sup>th</sup> International Symposium on Operational Research. – Nova Gorica, Slovenia, September 26-28. – Ljubljana: SDI, 2007. – P. 253-258.
- Bas, T., Zahvoyska L.**, 2007. Stakeholders' preferences regarding forest ecosystem services: case of Western Ukraine. Proc. of Int-l Congress on Global vision of forestry in the 21<sup>st</sup> century. – Toronto: Toronto University, p. 164.
- Zahvoyska, L.** 2007. Implementation of sustainable development paradigm into Ukrainian university education. Proc. of the Conference on Higher Education for Sustainable Development. Maribor, Slovenia.

- Zahvoyska, L.** 2007. Discovering values and stakeholders' preferences regarding forest ecosystem services. Rubenstein School of Natural Resources, Vermont University, USA. Panel lecture Panel lecture hold at the Vermont University, USA.
- Zahvoyska, L.** 2005-2007. Methodology of eco-efficiency. *Transformacje. An Interdisciplinary Journal. Special Issue on Crises and Sustainability* 35-38: 273-281.
- Zahvoyska, L, Maksymiv, L.** 2005. Appearance of Enviro-Mentality.Challenges to Ukrainian Environmental Education. Proceedings of the Conference "Committing Universities to Sustainable Development". Graz: Technical University. P. 140-146.
- Zahvoyska, L,** 2005. Social Choice Approach to Sustainable Urban Park Management.Proc. of the Seventh International Conference of the Russian Society for Ecological Economics "Globalization, New Economy and the Environment.Business and Society Challenges for Sustainable Development". S. Petersburg. – P.384.
- Zahvoyska, L., Maksymiv, L., Soloviy, I.** 2004. Sustainable Forest Management in Ukraine: Reality and Perspectives. In: Proc. of Conference on Economics of Sustainable Forest Management. May, 20-23, Toronto.