

Prof. Igor Yakymenko, PhD, DrSc

Gender: Male
Date of birth: April 4, 1962
Citizenship: Ukrainian
Languages: Ukrainian (mother tongue): educated native proficiency; English: professional proficiency



Current position

Head of Department of Ecology and Ecomanagement,
National University of Food Technologies (NUFT),
Kyiv, Ukraine

Contacts

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Education

Dec 1998 - Oct 2003 Doctor of Biological Science in Biophysics (Dr. habil.), Taras Shevchenko Kyiv National University, Ukraine;
Feb 1992 Candidate of Biological Science (PhD) in Human and Animal Physiology, Lviv Academy of Veterinarian Medicine, Ukraine;
Sep 1980 - June 1985 Specialist (MSc) in Biophysics, Taras Shevchenko Kyiv National University, Ukraine

Employment

Sep 2021 – present Head of Department of Ecology and Ecomanagement, NUFT, Kyiv, Ukraine;
2014 - 2021 Professor of Environmental Sciences at Department of Environmental Safety, NUFT, Kyiv, Ukraine;
2010 - 2015 Principal Researcher (part-time), Laboratory of Biophysics, Institute of Experimental Pathology, Oncology and Radiobiology of NAS of Ukraine, Kyiv, Ukraine;
2009 - 2014 Head of Department of Biophysics, Bila Tserkva National Agrarian University (BNAU), Ukraine;
2008 - 2009 Fulbright Visiting Scholar, School of Public and Environmental Affairs, Indiana University Bloomington, USA;
2006 – 2008 Vice-rector for R&D at BNAU, Ukraine;
2003 - 2006 Professor of Biophysics, Head of Physics Department, BNAU, Ukraine;
1985 - 2002 Associate and Assistant Professor of Physics, Physics Department, BNAU, Ukraine;

Teaching experience

Teaching courses on Sustainable Development Strategy; Environmental Policy of the European Union; Environmental Project Management; Environmental Research Methodology and Statistics for Master's students in Environmental Sciences; Teaching courses on Environmental Sciences, Environmental Protection Technologies; and Applied Biophysics for Bachelor's students; Teaching course on

Research Project Management for PhD students, Supervising of Master's students in Environmental Sciences and PhD students in Biological Sciences;

Research interests

Sustainable development, Environmental policies of the EU and Ukraine, Project management, Environmental risk assessment, Biological/health effects of environmental factors

Organizational experience:

Since 2019 Co-Chairperson of Organizing Committee of annual International Conference on European Dimensions of Sustainable Development;
Since 2017 Co-Chairperson of Organizing Committee of annual International Jean Monnet Summer/Winter Schools on European Sustainability;
Since 2022 Member of editorial board of International peer-reviewed journals:
[*Electromagnetic Biology and Medicine*](#)
[*\[Photobiology and Photomedicine\]*](#)

Grants and Awards

2023 Grant of Erasmus+ programme; Jean Monnet Chair on Environmental management and communication in the European Union: towards a climate-neutral Europe (Coordinator);
2022 Grant of Erasmus+ programme; Jean Monnet Module on European Union Policies and Best Practices in Academic Project Management (Coordinator);
2020 Grant of Erasmus+ programme, Jean Monnet EU Centre [of Excellence] for the Circular and Green Economy (Coordinator);
2019 Grant of Erasmus+ programme, Jean Monnet Support of Associations on Enhancing European Union Studies and Research on Smart, Sustainable and Inclusive Growth in Ukrainian Universities (Coordinator);
2018 Grant of Ministry of the Environment of the Czech Republic on a participation in 14th Summer School on Toxic Compounds in the Environment, RECETOX, Masaryk University, Brno; Czech Republic;
2017 Grant of Erasmus+ programme, Jean Monnet Chair on Sustainable Food Production and Consumption in the EU (Coordinator);
2016 Grant of Erasmus+ programme; Jean Monnet Module on Environmental Policy of the EU, Erasmus+ Programme (Coordinator);
2012; 2014 Fulbright Travel Grant (US Department of State) to Hirosaki University, Japan;
2012 Hirosaki University Support Travel Grant (Japan);
2010 Fulbright Publishing Grant (US Department of State);
2008 - 2009 Grant of Fulbright Program, Fulbright Visiting Scholar, Indiana University Bloomington, USA;
1999 - 2000 Research Grant of NATO-Program (CLG);

Membership

NGO European Studies Platform for Sustainable Development
(Head of the Board);
NGO Ukrainian Fulbright Circle;
Ukrainian Biophysical Society;

Publications and Reports

More than 200 scientific publications; more than 50 reports at scientific congresses, symposiums, and conferences, 11 patents of Ukraine. Google Scholar: citations – 1025, h-index – 12; Scopus: citations – 395, h-index – 9.

Peer reviewed articles

1. **Yakymenko I.**, N. Bublienko, O. Salavor, O. Nychyk, Y. Shapovalov, D. Henshel. *Energy Security of Ukraine in Terms of Russian Aggression. Selected Papers of the V International Conference on European Dimensions of Sustainable Development, June 1-2, 2023.* – Kyiv: NUFT, 2023, 21-29. [Full text](#)
2. Shapovalov Y, O. Salavor, **I. Yakymenko**. *Current State of Biogas Plants Development in Ukraine and the Potential for Development During European Integration. Selected Papers of the V International Conference on European Dimensions of Sustainable Development, June 1-2, 2023.* – Kyiv: NUFT, 2023, 204-218. [Full text](#)
3. Shapovalov Y, Salavor O, **Yakymenko I**. *The economic potential of enhanced method of anaerobic fermentation with green ammonia production for European energy market. IOP Conference Series: Earth and Environmental Science 2023 Oct 1 (Vol. 1254, No. 1, p. 012025).* [Full text](#)
4. Belyaev, I., Blackman, C., Chamberlin, K., ...Sun, W., **Yakymenko, I**. *Scientific evidence invalidates health assumptions underlying the FCC and ICNIRP exposure limit determinations for radiofrequency radiation: implications for 5G. Environmental Health, 2022, 21(1), 92.* [Full text](#)
5. Burlaka, A., Tsybulin, O., Briieieva, O., Salavor, O., **Yakymenko, I**. *Oxidative and mutagenic effects of low intensity microwave radiation on quail embryos. Ukrainian Biochemical Journal, 2022, 94(1), 95–104.* [Full text](#)
6. Shapovalov, Ye, **Yakymenko I**, Salavor O, Sebkova K. *The state of the European Union - Ukraine Association Agreement implementation on the air quality. IOP Conf. Ser.: Earth Environ. Sci. 2022. 1049 012044.* [Full text](#)
7. **Yakymenko I.**, N. Bublienko, O. Salavor, O. Nychyk, Ye. Shapovalov. *Energy Security of the European Union: Challenges of Russian Energy Resources. Selected Papers of the IV International Conference on European Dimensions of Sustainable Development, October 20-21, 2022.* – Kyiv: NUFT, 2022, 9-19. [Link](#)
8. **Yakymenko I.**, N. Hrehirchak, A. Giritch, M. Galaburda, Ye. Shapovalov. *Jean Monnet Project: European Union Policies and Best Practices in Academic Project Management. Selected Papers of the IV International Conference on European Dimensions of Sustainable Development, October 20-21, 2022.* – Kyiv: NUFT, 2022, 157-168. [Link](#)
9. Panagopoulos, D.J., Karabarounis, A., **Yakymenko, I.**, Chrousos, G.P. *Human-made electromagnetic fields: Ion forced-oscillation and voltage-gated ion channel dysfunction, oxidative stress and DNA damage (Review). International Journal of Oncology. 2021. 59, 92.* [Full text](#)
10. Bityutskyy V, Tsekhmistrenko O, Merzlo S, Tymoshok N, Melnichenko A, Polishcuk S, Demchenko A, **Yakymenko I**. *Bionanotechnologies: Synthesis of Metals' Nanoparticles with Using Plants and Their Applications in the Food Industry: A Review. Journal of Microbiology, Biotechnology and Food Sciences. 2021 Jun 1;10(6):e1513-e1513.* [Full text](#)
11. **Yakymenko I.**, O. Salavor, O. Nychyk, L. Petrashko, Y. Voytenko Palgan, K. Biedenkopf. *Jean Monnet EU Centre for the Circular and Green Economy at National University of Food Technologies, Kyiv, Ukraine. Selected Papers of the III International Conference on*

- European Dimensions of Sustainable Development, June 11, 2021. – Kyiv: NUFT, 2021. – 4-13. [Full text](#)*
12. **Yakymenko I.**, O. Salavor, L. Petrashko et al. Jean Monnet project “Enhancing European Union studies and research on smart, sustainable and inclusive growth in Ukrainian universities”. Selected Papers from the II International Conference on European Dimensions of Sustainable Development, June 26, 2020. – Kyiv: NUFT, 2020. – 9-14. [Full text](#)
 13. **Yakymenko I.**, Salavor O., Shapovalov E. Sustainable development strategy Europe 2020: Challenges for Ukraine. [Environmental Science]. 4 (23). 2018. 87-91. (in Ukrainian) [Full text](#)
 14. Salavor O.M., Shapovalov E. B., **Yakymenko I.L** Comparative analysis of the normative frameworks in the EU and Ukraine for water protection. [Environmental Science]. 4 (23). 2018. 140-145. (in Ukrainian) [Full text](#)
 15. **Yakymenko I.**, Salavor O., Shapovalov E., Sebkova K. European studies on environmental protection as a challenge for Ukraine. European Integration Processes in 21st Century: Key Trends, Main Challenges, and New Perspectives. The Ukrainian Yearbook of the European Integration Studies. 1. 2018. 312-321.
 16. Shapovalov E., Salavor O., **Yakymenko I.** Comparative analysis of the EU and Ukraine legislation in the field of air protection. [Environmental Science]. 2 (21). 2018. 192-197. [Full text](#)
 17. **Yakymenko I.**, Salavor O., Shapovalov E. Environmental policies of the European Union as a roadmap for modern Ukraine. [Environmental Science]. 1 (20). 2018. 147-150. [Full text](#)
 18. **Yakymenko I.**, Burlaka A., Tsybulin O., Brieieva O., Buchynska L., Tsehmistrenko S., Chekhun V. Oxidative and mutagenic effects of low intensity GSM 1800 MHz microwave radiation. Experimental Oncology. 40. 4. 2018. 282-287. [Full text](#)
 19. Tsybulin O, Sidorik E, **Yakymenko I.** Oxidative effect of low-intensity microwave radiation in the model of developing quail embryos. Oxidants and Antioxidants in Medical Science. 2017. Vol. 6. Issue 1. 9-13. [Full text](#)
 20. **Yakymenko I.** Tsybulin O, Sidorik E, Henshel D, Kyrylenko O, Kyrylenko S. Oxidative mechanisms of biological activity of low intensity radiofrequency radiation. Electromagnetic Biology & Medicine. 2016. 35(2): 186-202. [PubMed](#), [Full text](#)

Reports at conferences

1. **Igor Yakymenko**, Natalia Bubliko, Oksana Salavor, Oksana Nychyk, Yevgeniy Shapovalov, Diane Henshel. Energy Security of Ukraine in Terms of Russian Aggression. Proceedings of the V International Conference on European Dimensions of Sustainable Development, June 1 – 2, 2023. – Kyiv: NUFT, 2023. – p. 16.
2. **Igor Yakymenko**, Natalia Bubliko, Oksana Salavor, Oksana Nychyk, Yevgeniy Shapovalov. Energy Security of the European Union: Challenges of Russian Energy Resources. Proceedings of the IV International Conference on European Dimensions of Sustainable Development, October 20-21, 2022. – Kyiv: NUFT, 2022. – p. 15.
3. **Igor Yakymenko**, Natalia Hrehirchak, Anatoli Giritch, Mariya Galaburda, Yevgeniy Shapovalov. Jean Monnet Project: European Union Policies and Best Practices in Academic Project Management. Proceedings of the IV International Conference on European Dimensions of Sustainable Development, October 20-21, 2022. – Kyiv: NUFT, 2022. – p. 119.
4. **Igor Yakymenko**, Oksana Salavor, Oksana Nychyk, Ludmila Petrashko, Yuliya Voytenko Palgan, Katja Biedenkopf. Jean Monnet EU Centre for the Circular and Green Economy. Proceedings of the III International Conference on European Dimensions of Sustainable Development, June 11, 2021. – Kyiv: NUFT, 2021. – p. 117.

5. **Igor Yakymenko**, Oksana Salavor, Oksana Nychyk, Ludmila Petrashko, Sergiy Kyrylenko, Maria Galaburda, Evgeniy Shapovalov, Tetyana Dyman. *European Studies on Sustainability at Ukrainian Universities. Proceedings of the III International Conference on European Dimensions of Sustainable Development, June 11, 2021.* – Kyiv: NUFT, 2021. – p. 119.
6. **Igor Yakymenko**, Oksana Salavor, Oksana Nychyk. *European Studies on Environmental Protection through the Jean Monnet Projects. Proceedings of the III International Conference on European Dimensions of Sustainable Development, June 11, 2021.* – Kyiv: NUFT, 2021.- p. 121.
7. **Yakymenko I.** *Sustainable development strategy of the European Union. International Summer School EcoFood-2018 “Sustainable Food Production and Consumption in the European Union: Challenges for Ukraine”, Kyiv, June 7-8, 2018.*
8. **Yakymenko I.** *The basis of the EU functioning, the main principles of environmental policies of the EU. Summer School “Tools, Policies and Best Practices for Environmental Protection in the European Union: Challenges for Ukraine”, Kyiv, June 7-8, 2017.*
9. **Yakymenko I.**, Salavor O., Shapovalov E., Sebkova K. *Jean Monnet Module EcoPro for Master’s students in Environmental Science at the National University of Food Technologies, Ukraine. Conference Proceedings of European Studies in Ukraine: Achievements, Challenges and Perspectives. Kyiv, 2 June 2017. 410-413.*
10. Sidorik E, Burlaka A, Tsybulin O, Lukin S, **Yakymenko I.** *Oxidative stress induced by ionizing and non-ionizing radiation: differences and similarities. The 9th International Symposium on the Natural Radiation Environment. 22 - 26 Sep, 2014, Hirosaki, Japan.*

Monographs, textbooks and guidelines

1. **Yakymenko I.**, L. Petrashko, T. Dyman et al. *Sustainable Development Strategy: European Horizons: Textbook.* – Kyiv: NUFT, 2022. – 336 p.(in Ukrainian) [Link](#)
2. Panagopoulos, D.J. (Ed.). (2022). *Electromagnetic Fields of Wireless Communications: Biological and Health Effects (1st ed.).* CRC Press. (Chapters 3, 9, and 12 – In co-authorship) [Link](#)
3. **Yakymenko I.**, O. Salavor, Ye. Shapovalov. *Environmental policy and technical regulation of the European Union: Textbook.* - Kyiv.: NUFT, 2022. - 157 p. (in Ukrainian) [Link](#)
4. **Yakymenko I.**, Shtefan E. Lukianyhin V. *Management of scientific projects: Guidelines for PhD students.* - Kyiv: NUFT, 2022. - 139 p. [Link](#)
5. **Yakymenko I.** *Sustainable development strategy: European dimension.* - Kyiv: NUFT, 2017: 79 p. (in Ukrainian) [Link](#)