

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;
Russian: educated native proficiency;



Current positions

Professor of Environmental Science, Department of Environmental Safety,
National University of Food Technologies (NUFT), Kyiv, Ukraine;

Contacts

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<http://foodpro.nuft.edu.ua>
<https://www.eurostudies.com.ua>

Education

Dec 1998 - Oct 2003 Doctor of Biological Science in Biophysics, Taras Shevchenko Kyiv National University, Ukraine;
Sep 1989 - Feb 1992 Candidate of Biological Science (PhD) in Human and Animal Physiology, Lviv National Academy, Ukraine;
Sep 1980 - June 1985 Specialist (MS) in Biophysics, Taras Shevchenko Kyiv National University, Ukraine

Employment

Feb 2014 - onward Professor of Environmental Science at the Department of Environmental Safety, NUFT, Kyiv, Ukraine;
Jan 2018 – onward Head of NGO EuroStudies Platform;
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 (BTNAU), Ukraine;
2008 - 2009 Fulbright Visiting Scholar, School of Public and Environmental Affairs, Indiana University Bloomington, USA;
2006 – 2008 Vice-rector on R&D at BTNAU, Ukraine;
2003 - 2006 Professor of Biophysics, Head of Physics Department, BTNAU, Ukraine;
1985 - 2002 Associate and Assistant Professor of Physics, Physics Department, BTNAU, Ukraine;

Teaching experience

Sep 2014 - onward Teaching courses on Sustainable Development; Environmental Policy of the European Union; Environmental Research Methodology and Statistics, for Master's students in Environmental Science.

1998 - onward
1985 - 2011

Teaching courses on General Ecology, and Radioecology for undergraduate students; supervisor of Master's students in Environmental Science.
Supervisor of graduate students in Physiology and Radiobiology;
Teaching courses in Biophysics; assistant in classes on Physics and Biophysics;

Research experience

Sustainability and environmental policy in the EU and Ukraine. Biological effects of low intensity ionizing and non-ionizing radiation, analytical methods of electron spin resonance (ESR), chemiluminescence, comet assay, biochemical and biophysical approaches, and statistics. Environmental risk assessment.

Editorial experience:

2012 - onward

Member of editorial board of International peer-reviewed journal [*Photobiology and Photomedicine*]
<http://fnfjournal.univer.kharkov.ua/Ua/about.html>

Grants and Awards

2020 Grant of European Commission, Jean Monnet EU Centre [of Excellence] for the Circular and Green Economy (Academic coordinator);

2019 Grant of European Commission, Jean Monnet Support of Associations (Academic coordinator) on Enhancing European Union Studies and Research on Smart, Sustainable and Inclusive Growth in Ukrainian Universities, Erasmus+ Programme;

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 European Commission, Jean Monnet Chair (Project Coordinator) on Sustainable Food Production and Consumption in the EU, Erasmus+ Programme;

2016 Grant of European Commission; Jean Monnet Module (Project Coordinator) on Environmental Policy of the EU, Erasmus+ Programme;

2012; 2014 Fulbright Travel Grant (US Department of State);

2012 Hirosaki University Support Travel Grant (Japan);

2010 Fulbright Publishing Grant (US Department of State);

2008 - 2009 Grant of US Department of State, Fulbright Visiting Scholar, Research Project on Electromagnetic Radiation Risk Assessment;

1999 - 2000 Research Grant of NATO-Program (CLG);

Membership

Ukrainian Fulbright Circle;
Ukrainian Biophysical Society;
EuroStudies Platform;

Invited lectures

- Oct 2012 International safety limits on non-ionizing electromagnetic radiation and risks for human health. Department of Biology, Masaryk University, Brno, Czech Republic, EU
- Apr 2009 Biological effects of low intensity laser radiation. School of Medicine, Indiana University, Bloomington, USA;
- Nov 2006 Transformation of Ukrainian higher education. Justus-Liebig-Giessen University, Germany;

Media interviews, articles and videos about

Articles: [NY Daily News](#), [Daily Mail](#), [CNBC](#), [Breitbart](#), [DotMed](#), [MedicalResearch](#)

Video: [NY Daily News](#), [kla.tv](#), [EraTV](#)

Personal blog

<http://carelesscience.com>

Publications and presentations

More than 200 scientific publications; more than 50 presentations at scientific congresses, symposiums, and conferences, 11 patents.
Scopus publications – 10, citations – 235, h-index – 7.

Peer reviewed articles

1. 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. <https://doi.org/10.3892/ijo.2021.5272>
2. 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. <https://doi.org/10.15414/jmbfs.1513>
3. **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](#)
4. 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](#)
5. **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.
6. 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](#)
7. **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](#)
8. **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](#)

9. **Yakymenko I.** Tsybulin O. Shapovalov E. Healthy lifestyle behaviors among university students in Ukraine. *Environment and Health*. 1. 2017. 41-45. [Full text](#)
10. 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](#)
11. Tsybulin O, Sidorik E, Kyrylenko S, **Yakymenko I.** Monochromatic red light of LED protects embryonic cells from oxidative stress caused by radiofrequency radiation. *Oxidants and Antioxidants in Medical Science*. 2016. 5(1): 21-27. [Full text](#)
12. **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](#)
13. **Yakymenko I.,** Mor O., Tsybulin O., Kolesnik Ya., Kyrylenko S., Sidorik E. Subjective symptoms in young cell phone users in Ukraine. *Environment and Health*. 2015. 2: 40-43. [Full text](#)
14. **Yakymenko I.,** Sidorik E., Henshel D., Kyrylenko S. Editorial: Low intensity radiofrequency radiation: a new oxidant for living cells. *Oxidants and antioxidants in medical science*. 2014. 1: 1-3. [Full text](#)
15. Chekhun, V., **Yakymenko, I.,** Sidorik, E., Tsybulin, O. Current state of international and national public safety limits for radiofrequency radiation. *Scientific Journal of the Ministry of Health of Ukraine*. 2014. 1: 40-46. (in Ukrainian) [Full text](#)

Presentations at the congresses, symposiums, conferences

1. **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 sustainable Development, June 11, 2021.* – Kyiv: NUFT, 2021. – p. 117.
2. **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.
3. **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.
4. **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.*
5. **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.*
6. **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.
7. **Yakymenko I,** Shapovalov E, Tsybulin O, Sidorik E. Adherence of Ukrainian student youth to healthy lifestyle behavior. *Materials of International conference on Health Effects of the Chernobyl Accident – 30 Years Aftermath.* 18-19 April 2016, Kyiv, Ukraine. 166..
8. 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.

[Presentation](#)

9. Sidorik E, **Yakymenko I**. *Free radical mechanisms of biological effects of ionizing radiation due to the Chernobyl accident with possible aggravation by permanent influence of electromagnetic fields. International Symposium on the Natural Radiation Exposures and Low Dose Radiation Epidemiological Studies. 29 February - 3 March, 2012, Hirosaki, Japan.* [Presentation](#)
10. Sidorik E, Burlaka A, **Yakymenko I**. *Risks of joint effect of low-intensive ionizing radiation due to Chernobyl accident and microwaves exposure from mobile communication systems. International conference "Twenty-five Years after Chernobyl Accident: Safety for the Future", April 2011, Kyiv, Ukraine.*

Monographs, textbooks and guidelines

1. **Yakymenko I**. *Sustainable development strategy: European dimension. Kyiv: NUFT, 2017: 79 p. (in Ukrainian)*
2. **Yakymenko I**, Tsybulin O, Sidorik E. *Biological risks of microwave radiation. - Bila Tserkva, Pshonkivskiy. – 2015. – 251 p. (in Ukrainian)*
3. **Yakymenko I**, Sidorik E, Tsybulin O. *Cell phone and your health. – Kyiv, Dia, 2014. – 23 p.* [Full text](#)