

CURRICULUM VITAE

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EDUCATION

2000-2005

Vinnitsia National Technical University, Ukraine

Department of Ecology and Environmental Safety

Diploma of a specialist in ecology and environment protection (with distinction)

2005-2009

Vinnitsia National Technical University, Ukraine

Department of Ecology and Environmental Safety

PhD in Devices and Methods of Control and Definition of Substances.

Thesis: High-sensitive mean of control of small concentrations of gases on the basis of integrating sphere method

PROFESSIONAL EXPERIENCE

2008-2014

Vinnitsia National Technical University, Ukraine

Assistant, senior lecturer, docent, Department of Ecology and Environmental Safety

2015-2020

Vinnitsia National Technical University, Ukraine

Head of the Department of Ecology and Environmental Safety

2021

Vinnitsia National Technical University, Ukraine

Director of the Institute of Environmental Safety and Monitoring

since 2023

Vinnitsia National Technical University, Ukraine

Head of the Department of Ecology, Chemistry and Environmental Protection Technologies

INTERNATIONAL EXPERIENCE

2024

Internship at University of Pittsburgh (USA), Mascaro Center for Sustainable Innovations

2017-2018

Internship at Vienna Technical University (Austria), Institute for Water Quality and Resource Management

2016

Internship at Liverpool John Moores University (UK), Faculty of Technology and Environment

2013-2014

Internship at Dresden Technical University (Germany), Institute of Waste Management and Contaminated Site Treatment

RESEARCH ACTIVITY

Publications and conferences

Author of scientific publications in the field of waste management and control of contaminants concentration in the air. Main publications:

1. Ranskiy A, Gordienko O, Ishchenko V. Waste Zinc–Carbon Battery Recycling: Focus on Total Material Recovery. *Recycling*. 2024; 9(5):83.
2. Ishchenko V. Heavy metals in municipal waste: the content and leaching ability by waste fraction. *Journal of Environmental Science and Health, Part A*, 2019, 54:14, pp. 1448-1456.
3. Ishchenko V. Prediction of heavy metals concentration in the leachate: a case study of Ukrainian waste. *Journal of Material Cycles and Waste Management*, 2018, Vol. 20, Issue 3, pp 1892-1900.
4. F.-C. Mihai, S. Gündogdu, L.A. Markley, A. Olivelli, F.R. Khan, C. Gwinnett, J. Gutberlet, N. Reyna-Bensusan, P. Llanquileo-Melgarejo, C. Meidiana, S. Elagroudy, V. Ishchenko, S. Penney, Z. Lenkiewicz, M. Molinos-Senante. Plastic pollution, waste management issues, and circular economy opportunities in rural communities. *Sustainability* 2022, 14(1), 20.
5. Ishchenko V. Soil contamination by heavy metal mobile forms near landfill. *International Journal of Environment and Waste Management*, 2017, 20(1): 66–74.

Conference co-organizer

Nine Congresses of ecologists with international participation, Vinnytsia, Ukraine (2006, 2009, 2011, 2013, 2015, 2017, 2019, 2021, 2024)

Research grants

2023-2024

Assessment of technogenic environmental impact of hazardous waste and resource potential for their recycling

2023-2025

Increasing the environmental and energy safety of urban areas through the step-by-step rational implementation of energy-efficient measures in the field of heat supply

2021-2022

Development of scientific base of optimal methods and means for monitoring and integrated environmental safety management of unusable pesticides and pesticide-containing waste

2019-2020

Hazardous household waste management in Austria and Ukraine: case study of batteries

2018

Development of environmentally friendly measures for hazardous waste management and investigation of their impact on water bodies using biosensor technologies

2017

Development of the household waste management system in Olevsk municipality

2016

Development of the system of integrated solid municipal waste management in Zhmerynka
Development of the system of integrated solid municipal waste management in Lityn region
Optimization of the system of integrated solid municipal waste management in Vinnytsia region

2015

Evaluation of environmental and economic efficiency of waste sorting station in Kalynivka (Vinnytsia reg., Ukraine).

2014

The information gathering and analysis of integrated municipal waste management in Vinnytsia region for its next optimization and development of events of separate municipal waste collection

2014

Designing the optical devices and the improvement of methods of control of phytoplankton concentration in water objects

2012-2013

Development and implementation of model of municipal solid waste management in Ladyzhyn, Vinnytsia region

2010-2011

Designing the Program of Regional Environmental Monitoring in Vinnytsia Region for 2011-2016

2008-2010
Research of scattering indicatrixes for location and control of heterogeneous environments in ecological monitoring

2005-2007

Research of spectrophotometric characteristics of light-scattering environments for ecological monitoring

TEACHING

Main courses:

- Waste management
- Resource-saving and recycling technologies
- Strategy of sustainable development

MISCELLANEOUS

Languages spoken

English, Ukrainian

Awards

2004

Scholarship of Ukrainian President

2011

Commendation of Department of education and science of Vinnytsia regional state administration

2013

Holder of the nomination “Young environmentalist of the year 2013” at Vinnytsia regional contest “Young person of the year-2013”.

Public work

- Reviewer in: Journal of Environmental Science and Health, Part A; Water; Sustainability; Applied Environmental and Soil Science Journal; Journal of Industrial Pollution Effects and Control; Journal of Waste Management and Disposal; Journal of Waste Resources and Recycling; International Journal of Environmental Research and Public Health; Journal of Marine Science and Engineering; Journal of Environmental Pollution and Control; Separations; International Journal of Environmental Protection and Policy; Journal of Energy Resources and Conversion
- Vice-president of non-governmental ecological youth organization “Ecotopia Podillya”
- Member of science-technical council of National Park “Karmeliukove Podillya” (Vinnytsia region, Ukraine) in 2013