

## CURRICULUM VITAE

### **Docent, Ph.D. Ishchenko Vitalii**

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### **EDUCATION**

2000-2005

Vinnytsia National Technical University, Ukraine  
Department of Ecology and Environmental Safety  
Diploma of a specialist in ecology and environment protection (with distinction)

2005-2009

Vinnytsia 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**

2008-2009

Vinnytsia National Technical University, Ukraine  
Assistant at Department of Ecology and Environmental Safety

2009-2010

Vinnytsia National Technical University, Ukraine  
Senior lecturer at Department of Ecology and Environmental Safety

2010-2014

Vinnytsia National Technical University, Ukraine  
Docent at Department of Ecology and Environmental Safety,  
Vice-Director on educational work at Institute of Ecology and Ecological Cybernetics since 2011

Since 2015

Vinnytsia National Technical University, Ukraine  
Head of the Department of Ecology and Environmental Safety

### **INTERNATIONAL EXPERIENCE**

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. Participant of number of scientific conferences and seminars.

The most significant publications:

1. 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.
2. Ishchenko V. Soil contamination by heavy metal mobile forms near landfill. *International Journal of Environment and Waste Management*, 2017, 20(1): 66–74.
3. Petruk V., Stalder F., Ishchenko V., and others. Household waste management. The European experience. Vinnytsia, Ukraine, Nilan-Ltd., 2016.
4. Ishchenko V., Petruk R., Kozak Y. Hazardous household waste management in Vinnytsia region. *Environmental Problems 1 (2016)*, vol. 1, pp. 27-30.
5. Ishchenko V., Pohrebennyk V., Kozak Y. and others. Assessment of batteries influence on living organisms by bioindication method. 16th International Multidisciplinary Geoconference SGEM 2016, SGEM2016 Conference Proceedings, June 28 - July 6, 2016. Book 5., vol. II, pp. 85-92.

### **Conference co-organizer**

I, II, III, IV, V, VI All-Ukrainian Congresses of ecologists with international participation Vinnytsia, Ukraine (October 4-7, 2006 / September 23-26, 2009 / September 21-24, 2011 / September 25-27, 2013 / September 24-26, 2015 / September 20-22, 2017)

### **Research grants**

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

Resources and energy management

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**

Editorial member of International Journal of Mineral Processing and Extractive Metallurgy

Reviewer in Journal of Industrial Pollution Effects and Control

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