

Pavlo Bohutskyi

CONTACT INFORMATION	Johns Hopkins University, 3400 North Charles, Ames Hall, Office 507 Baltimore, MD, 21218, USA bohutskyi@jhu.edu Phone (410) 516-7100 / Fax (410) 516-8996 / Mobile (443) 794-1780 http://bohutskyi.weebly.com/
RESEARCH INTEREST	Biofuels, Wastewater Treatment, Anaerobic Digestion, Biogas, Microbiology, Algal Biotechnology, Molecular Biology
EDUCATION	<p>The Johns Hopkins University, Baltimore, MD, USA 2008 – present Ph.D. Candidate, Environmental Engineering, Department of Geography and Environmental Engineering Advisor: Professor Edvard Bouwer, Ph.D.</p> <p>University of Missouri, Columbia, MO, USA 2003 – 2004 Non degree Junior Faculty Development Program scholarship Advisor: Professor Tom Clevenger, Ph.D.</p> <p>National Academy of Environmental Protection and Development, Simferopol, Ukraine 1994 – 1999 Specialist Degree (Masters) in Civil Engineering, specialization Water and Wastewater Engineering Advisor: Professor Leonid Subbotkin, Ph.D.</p>
ACADEMIC EXPERIENCE	<p>The Johns Hopkins University, Baltimore, USA Fall 2009-2010 Teaching Assistant for Lab Session, Engineering Microbiology Spring 2010 Teaching Assistant, Environmental Engineering and Science Lab</p> <p>National Academy of Environmental Protection and Development, Simferopol, Ukraine Fall 2004-2008 Master Thesis Project Instructor Spring 2005-2007 Lecturer, Design of Engineering Experiments Spring 2001-2002 and 2004-2007 Course Project Instructor, Industrial Sewage Water Treatment Spring 2000-2003 and 2004-2007 Lecturer, Mathematical Methods of Engineering Problems Solving Fall 2000-2002 and 2005-2006 Course Project Instructor, Internal Sanitary Systems Engineering Spring 2000-2002 Course Project Instructor, Pump Stations Fall 2000-2002 Course Project Instructor Hydraulic and Aerodynamic Equipment</p>
AWARDS AND DIPLOMAS	2012 National Student Design Competition: People, Prosperity & Planet (P3) 9th Annual P3 Sustainability Award; Environmental Protection Agency Integration of waste treatment with algae for aquaculture feed and biofuels 1012 Hamilton Company University Grant Program Recipient 2008 Fulbright Science and Technology Ph.D. Award 2006 Diploma for the 1st place at the Annual Conference of Faculty and Researchers of the National Academy of Environmental Protection and Resort Development

2003	Junior Faculty Development Program Scholarship (supported by American Councils for International Education)
2003, 2001	Diploma for the 1st place at the Annual Conference of Faculty and Researchers of the National Academy of Environmental Protection and Resort Development
1999	Diploma for the 1st place at the All-Ukrainian Students Competition at Water and Wastewater Engineering (individual competition)
1999	Diploma for the 1st place at the All-Ukrainian Students Competition at Water and Wastewater Engineering (as a team leader)
1998	Diploma for the 3rd place at the All-Ukrainian Students Competition at Water and Wastewater Engineering (as a team leader)

PROFESSIONAL EXPERIENCE

2004-2008	<p>Research-and-production company "Water Technologies", Simferopol, Ukraine Chief Design, Co-Founder Consulting and engineering in the area of water and wastewater systems. Design of industrial and domestic wastewater treatment plants</p> <p>Missouri Water Resources Research Centre, University of Missouri, Columbia, USA Visiting Scholar Control and analysis efficiency of advanced aerated lagoon.</p> <p>Crimean State Institute of Municipal Engineering, Simferopol, Ukraine Principal Engineer Design of domestic wastewater treatment plants</p> <p>Construction Company "Energy Systems" Design Engineer Design of water and heating systems</p>
2003-2004	
2001-2003	
1999-2003	

REFERENCED PUBLICATIONS AND CONFERENCE PRESENTATIONS

List of publications includes 10 papers, 1 book chapter, 4 reports of research projects, 4 teaching tutorials, 1 patent, 23 conference presentations.

5 most relevant publications:

1. Bohutskyi P, Bouwer E (2013) Biogas Production from Algae and Cyanobacteria Through Anaerobic Digestion: A Review, Analysis, and Research Needs. In: Lee JW (ed) Advanced Biofuels and Bioproducts. Springer New York, pp 873-975.
2. Subbotkin L, Bohutskyi P, Valkina O, Kopachevskiy A, Gileva O. The method of biochemical reduction of Cr⁶⁺ to Cr³⁺. Civil Engineering and Safety, Vol.8, 2003.
3. Subbotkin L, Bohutskyi P, Kopachevskiy A, Zhigna A, Urchenko O. Report: "Experimental investigation of treatment wastewater from fish cannery plant "Noviy". Project # 25135, 2005
4. Subbotkin L, Bohutskyi P, Valkina O, Kopachevskiy A, Taranov V. The technique of experimental investigation of waste water treatment optimization plating process by electrocoagulation process. Civil Engineering and Technogenic Safety, Vol.10, 2003
5. Myakishev V, Bohutskyi P, Subbotkin L. Improvement of drinking water disinfection for extensive drinking water pipe systems. Ecology, Environment Safety, Vol.4, 2003

Whole of publications is available upon request.

MEMBERSHIPS

- American Water Works Association**
- Water Environment Federation**
- American Chemical Society**
- Society for Biological Engineering**