



## LJUPKA ARSOVA

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### EDUCATION

**Columbia University, Fu Foundation School of Engineering and Applied Science**

MS in Earth and Environmental Engineering, GPA 3.76/4

**University of Belgrade**

BS & MS in Ecology and Environmental protection, GPA 9.2/10

**International Institute for industrial Environmental Economics**

Young Masters degree

New York, NY

May 2010

Belgrade, Serbia

December 2006

Lund, Sweden

June 2000

### RELATED EXPERIENCE

**Gonen Partners**

*Consultant for anaerobic digestion*

**Clinton Global Initiative- Cason Family Foundation**

*Research assistant for waste management*

**Earth Engineering Center, Columbia University**

*Research Associate for sustainable waste management*

**DEKONTA d.o.o.**

*Associate Engineer- waste management and soil bioremediation*

**Student Union of the University of Belgrade**

*National coordinator for International relations*

New York, NY

Nov. 2010- present

New York, NY

Nov. 2010- Feb. 2011

New York, NY

Sep. 2008- present

Belgrade, Serbia

May 2007- Aug. 2008

Belgrade, Serbia

Sep. 2003- May 2006

### SKILLS

**Computer Systems and Applications:** ArcGIS, SimaPro, MS Office, Windows 95-Vista

**Language:** Fluent and translation competence in Macedonian and Serbian, basic reading and speaking competence in Russian and French

### PUBLICATIONS

“**The State of Garbage in America**”, L. Arsova, R. van Haren, N. Golstein, S.M. Kaufman, N.J. Themelis- BioCycle December 2008, Vol. 49, No. 12, p. 22.

“**Digesting the state of AD technologies**”, L. Arsova, N.J. Themelis, M. Barlaz- Waste Management World

September/ October 2010, p. 39.

**“Anaerobic acidogenesis of food waste and application of its products as a BNR supplemental carbon source”**, L. Arsova, N. J. Themelis, K. Chandran- Proceedings of the International Water Association, Singapore Water Week, July 2010.

#### **RELATED RESEARCH DONE AT COLUMBIA UNIVERSITY**

*Master Thesis research* - “Anaerobic digestion of the food waste: current status, problems and alternative solutions”

“Identification and assessment of available technologies for recycling and valorization of flexible packaging”

“Life-Cycle Analysis of GHG Impacts of Composting Green Waste versus Use of Green Waste as alternative daily cover”

“Major Factors Affecting the Biogas Production in the Process of AD of Food Waste”

“Microbial populations and their interactions in Anaerobic Digestion reactors”

“A CO<sub>2</sub>-to-CH<sub>4</sub> recycle loop for CO<sub>2</sub> sequestration in natural gas power plants”

“Triple Bottom Line Report, Zero waste and Sustainable packaging strategy for ABC Home and Carpet”

#### **ADDITIONAL RELATED EDUCATION**

Renewable Energy in Eastern European Countries, The Arab States, Asian Countries and Australia- UNESCO, ENEA, University of Belgrade

Renewable Energy Sources and the Environment, Multidisciplinary Approach - French Academy of Science, University Pierre and Marie Curie

- Innovative technologies and environmental impacts in waste management- University of Bologna, Rimini Branch

- Human Environment- Energy, Forests, Health and Society- University Henri Poincare, Nancy 1 and Nancy 2 University