

CURRICULUM VITAE

PERSONAL INFORMATION

First name(s) / SURNAME(s)

Ioanna Margiolaki

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Nationality

Hellenic

Date of birth

4/5/1986

Gender

Female

EDUCATION

• 2011-Today

PhD Candidate

Democritus University of Thrace

Department of Production Engineering and Management

Thesis Title: *“Application of LCA methods for assessing the environmental footprint of mining projects and activities”*

Supervisor: Ass. Prof. Gaidajis Georgios

Brief Description: The aim of the thesis is the application of LCA method to evaluate the environmental footprint of mining projects and activities in order to guide decisions regarding the allocation of land use . It is a basic technique which is widely used to determine the ability of a region to withstand the maximum level of development of tourism , agriculture, and infrastructure. Because there are differences between the activities , it is necessary to determine the bearing capacity according to specific uses. From this view the bearing capacity for a given area and a specific use . For this purpose I used the methodology of LCA and the analysis of the bearing capacity of the regions in which occurs the mining industry..

• 2009-2011

MSc Candidate

Democritus University of Thrace

Department of Civil Engineering

Grade: 8.9/10

Thesis Title : *“Performance Evaluation of an Intermittent air sparged membrane bioreactor”(Grade 10/10 - Distinction)*

Supervisor: Prof. Melidis Paraschos

Brief Description: Today, due to the increased perception for the negative environmental effect of the expelled liquated garbage , the limits of their disposal are becoming sticker and stricker, leading to increased demands of the elaboration systems used. The technical as well as the scientific communities during the last years have shown an increased interest for the development of new technologies which in combination with the highly efficient performance in pollution ablation of the liquid outcasts could lead in the small demands in regards to spacing. A potential solution in which this assignment is concentrating on is represented by the membrane boriactors (MBRs) who are combination systems that include a biological reactor and a unit filtration (normally a membrane ultrafiltration or microfiltration). These systems are concrete in comparison with the conventional systems of live (sewage) , they present high measures in concentration of characteristical parameters of outflow.

• 2004-2009

Department of Environment and Natural Resources University of Ioannina

University of Ioannina
Department of Environment and Natural Resources
Grade: 6.9/10

Thesis Title: "Disposal and processing of agricultural-waste in factories of Imathia"
(Grade 10/10 – Distinction)

Supervisor: Prof. Kalavrouziotis Ioannis

Brief Description: The Environmental pollution is one of the major problems facing every society. The uncontrolled disposal of waste, emissions of air pollutants such as C, N, S and other pollution and acceptable water from human industrial activity k actively contribute to the degradation of environmental quality. Methods of waste disposal existed since ancient times mostly in developed countries eg sewers, cesspools, and by the 19th century made the first sewage systems. In the 20th century, most methods are marked obsolete and their place was taken by waste treatment facilities such as wastewater treatment. This paper refers to wastewater treatment methods used in three industries in Imathia that process fruits, livestock and sugar beet for the production process. Furthermore this thesis can learn the acceptable limits of substances such as BOD, COD, etc. and compare if the limits given by the industries are within accepted. At the end of this paper reference is made to the legislation in force at both national and European level

- 2001-2004 4^o Lyceum of Veroia, Greece
Higher Secondary Education Grade: 17.6/20 (Distinction)

RESEARCH INTERESTS

My research interests extend to the principles and tools of Industrial Ecology, Life Cycle Assessment, Sustainability Assessment and Indoors Air Pollution. More specifically I have research experience in the following research fields:

- Tools and methods for assessing the environmental sustainability of industrial and regional systems.
- Development and analysis of composite indicators for sustainability assessment.
- Carbon footprint estimations.
- Green towns
- Sea water quality assessment.
- Energy audits and environmental assessment of buildings.
- Indoor air quality in terms of particulate matter.
- Integration of sustainability in schools of engineering.

PERSONAL SKILLS AND COMPETENCES

MOTHER TONGUE(S) **GREEK**

OTHER LANGUAGE(S)

• Understanding **ENGLISH** (Test of Interactive English TIE, C2 Level).
Proficient User
• Writing Proficient User
• Speaking Proficient User

• Understanding **FRANÇAIS** (DEL F Diplome D' Etudes en Langue Francaise).
Lower User
• Writing Lower User
• Speaking Lower User

- Understanding
 - Writing
 - Speaking

ITALIANO (CERTIFICATO DI LINGUA DI STATO).

Lower User

Lower User

Lower User

SOCIAL SKILLS AND COMPETENCES

Co-operative through participation in many research teams, team publications in scientific journals.

Communicational skills, from participating in many international conferences many of which as a presenter.

Ability to coordinate groups and accomplish projects.

Organized.

Easily adaptive to new environments.

COMPUTER SKILLS AND COMPETENCES

Experienced in computer hardware installation and management and software applications.

Excellent use of MS Windows™ 2000/XP/VISTA/7/10.

Excellent use of Ms Office™ (Excel™, Word™, PowerPoint™, Access™ etc) and Internet Explorer.

Experienced in the use of: MS Visio™, Adobe Acrobat Reader™, Autodesk AutoCAD™ (Computer Aided Design Program).

ADDITIONAL SKILLS AND COMPETENCES

- Life Cycle Assessment of various systems (products and procedures).
- Evaluation of the sustainability of industrial facilities.
- Environmental technologies.
- Environmental measurements – Indoor air quality sampling.
- Production optimization.
- Systems engineering.
- Renewable Energy Systems.
- Information systems management.
- Knowledge of marketing/management issues and capability of conducting market investigation.

RESEARCH AND TEACHING EXPERIENCE

- Participation in the Third international symposium on green chemistry for environment, health and development of the research proposals entitled:

Assessment of the Carbon Footprint of Households in Greece

PUBLICATIONS

PUBLICATIONS IN INTERNATIONAL CONFERENCES (PEER-REVIEWED)

1. Vassiliki Tzomaka¹, Georgios Gaidajis^{1*}, Komninos Angelakoglou¹, Ioanna Margiolaki¹ from the third international symposium on green chemistry for environmental, health and development of the research. Skiathos Island, Greece October 3-5, 2012
2. P. Melidis, I. Mariolaki, S. Ntougias and V. Diamantis, Performance Evaluation of an Intermittent air Sparged Membrane Bioreactor

HONORS AND SCHOLARSHIPS

- 2002 participation in european congress of the european parliament
- 1997-2003 Awards of excellence for my performance in every class of secondary school.

ADDITIONAL DETAILS

- European Driving License.
- Organizing
- Communicative
- Patient
- Ambitious

GENERAL INTERESTS

Cooking, Sports, Traveling, Reading.

Recommendations are available upon request.