

CURRICULUM VITAE

Katsou Evangelia

Personal Details

Surname: Katsou

First Name(s): Evangelia

Date of Birth: 30/08/1982

Place of Birth: Athens, Greece

Nationality: Greek

Sex: Female

Address: 10 Fragogianni St., Papagou, Athens, Greece P.C. 15669

Marital Status: Single

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Education

3/2008- today: National Technical University of Athens (NTUA); Department of Chemical Engineering, Unit of Environmental Science and Technology
Candidate for Doctorate Degree in the subject of “Industrial Wastewater Treatment Using Advanced Treatment Methods”

10/2006 – 2/2008: National Technical University of Athens (NTUA); Department of Civil Engineering, **Master of Science (MSc) in Water Resources Science and Technology**

Thesis Undertaken: “Investigation of Sludge Properties and Membrane Fouling in a Membrane bioreactor” (Department of Civil Engineering, Sanitary Engineering and Development Centre, NTUA)

10/2000 – 9/2005: National Technical University of Athens (NTUA); **Diploma of Chemical Engineering**

Thesis Undertaken: “Production of Biofuels in Greece: Bioethanol from Forest Residues” (Department of Chemical Engineering, Laboratory of Organic and Environmental Technology, NTUA)

9/1994– 6/2000: Secondary Education: Ionios School
Greek Apolytirion from Ionios School

Languages-Other Diplomas

English: Proficiency, University of Cambridge (Level: Excellent)

German: Zertifikat Deutsch, Goethe – Institute (Level: Good)

French: Diploma Certificat de Langue Francaise, French Institute (Level:Good)

Publications in Scientific Journals

1. E. Katsou, S. Malamis, K.J. Haralambous (2010) Pre-treatment of industrial wastewater polluted with lead using ultrafiltration or microfiltration membranes and adsorbents, Water Environment Research, Accepted
2. E. Katsou, S. Malamis, K.J. Haralambous & M. Loizidou (2010) Use of Ultrafiltration Membranes and Aluminosilicate Minerals for Nickel Removal from Industrial Wastewater, Journal of Membrane Science, Accepted.
3. E. Katsou, S. Malamis & K.J. Haralambous (2010) Examination of zinc uptake in a combined system using sludge, minerals and ultrafiltration membranes, Journal of Hazardous Materials, Accepted.
4. S. Malamis, E. Katsou, M. Stylianou, K.J. Haralambous & M. Loizidou (2010) Copper Removal from Sludge Permeate with Ultrafiltration Membranes Using Zeolite, Bentonite and Vermiculite as Adsorbents, Water Science & Technology, 61 (3), pp. 581 – 589.
5. S. Malamis, E. Katsou, D. Chazilias & M. Loizidou (2009) Investigation of Cr(III) removal from wastewater with the use of MBR combined with low-cost additives, Journal of Membrane Science, 333 (1-2), pp.12-19.

Presentations in International Conferences

1. E. Katsou, S. Malamis, F. Bakochristou, K. Haralambous & M. Loizidou (2009) The Combined Use of Ultrafiltration Membranes and Aluminum-Silicate Minerals for Nickel Removal from Industrial Wastewater, 6th International Conference on Instrumental Methods of Analysis Modern Trends and Applications, 4-8 October 2009.
2. E. Katsou, S. Malamis & K. Haralambous (2009) Zinc Removal from Wastewater in an MBR Combined with Natural Minerals, 6th International Conference on Instrumental Methods of Analysis Modern Trends and Applications, 4-8 October 2009.
3. S. Malamis, E. Katsou, M. Stylianou, K.J. Haralambous & M. Loizidou (2008) Copper Removal from Sludge Permeate with Ultra-filtration Membranes Using Zeolite, Bentonite and Vermiculite as Adsorbents, Conference on Industrial Water Treatment Systems (IWA), Aquachem Exhibition, Amsterdam RAI, 1-2 October 2008

Work & Research Experience

<u>10/2007 – today:</u>	PhD candidate
<u>Organization:</u>	Unit of Environmental Science and Technology School of Chemical Engineering National Technical University of Athens
<u>Employer:</u>	Prof Maria Loizidou / Unit of Environmental Science and Technology
<u>Responsibilities:</u>	In Charge of Quality Assurance certified by ISO 9001 Development of research and management programme related to wastewater treatment technologies, water and wastewater management
<u>4/2005 – 10/2006:</u>	Research Assistant
<u>Organization:</u>	Field Analytical Chemistry and Technology Unit School of Chemical Engineering National Technical University of Athens School of Chemical Engineering

Employer: Prof M. Statheropoulos

Responsibilities: In charge of Health and Safety in the Laboratory
 Development of research proposals
 Training and operation of the Thermal Desorption Unit/
 Gas Chromatography/ Mass Spectrometer –
 TDU/GC/MS, and of the Gas Chromatography/ Ion
 Mobility Spectrometer – GC/IMS
 Conduction of the laboratory “Classical chemical
 analysis - determination of complexes: Determination of
 Cadmium and Mercury ions” in the framework of the
 undergraduate course “Analytical Chemistry – Physical
 methods of Analyses”, 4th semester, School of Mining
 and Metallurgical Engineering.

2/2005 – 7/2005: Member of the research team

Organization: Laboratory of Fuels and Lubricants
 School of Chemical Engineering
 National Technical University of Athens

Employer: Prof A. Zanikos

Responsibilities: Involvement in sampling and in the research activities
 of the laboratory related to the quality control of liquid
 fuels

9/2004 – 10/2004: Practical experience

Organization: DYETEX EΠΕ

Employer: Mr P. Arvanitis

Responsibilities: Application of analytical methods in the laboratory

Prepared Proposals Accepted for Funding

1. “Development and operation of an integrated, energy efficient membrane system for the advance treatment of wastewater in Cyprus” under the Research Promotion Foundation’s Framework Programme for Research, Technological Development and Innovation 2008, Cyprus, Start Date: 01/09, End Date: 01/11, Total Budget: 137,500€

2. “Design and Application of an Innovative Composting Unit for the Effective Treatment of Sludge and other Biodegradable Organic Waste in Morocco”, MOROCOMP, Life Third Countries Proposal, Beneficiary: University of Chouaib Doukkali, Start Date: 02/06, End Date: 01/08, Total Budget: 637,808 €
3. “Development of Domestic Solid Waste Management Schemes for Small Urban Communities in Morocco”, WasteSum, Life Third Countries Proposal, Beneficiary: Faculty of Sciences of El Jadida, University of Chouaib Doukkala, Start Date: 01/07, End Date: 03/09, Total Budget: 622,500 €

Seminars

- Participation and success in Introduction in Quality Management Systems according ISO9001:2000 STANDARD
- Participation and success in Auditors of Environmental Management Systems according to Introduction in Quality Management Systems according to ISO14001:2004 STANDARD
- Participation in the scientific meeting with subject: “application of new methods for the environmental policy and the ecological marketing and the probabilities in mathematic model of ecology”.
- Participation in the scientific meeting with subject: the use of lignin in the renewable sources of energy
- Participation in the scientific meeting with subject: atmospheric pollution
- Participation in teleconference with subject: "Forest fires"

University Work

- Tannery Wastewater Treatment Using Advanced Treatment Methods
- Forest Fires – Types and their Tactic of Confrontation.
Fire safety of gas stations /Metals in the crude oil
- Control of pollution by pesticides with catalytic oxidation
- Combined application of QFD - VA tools in the process of production of products

Computer Skills

Very comfortable with computer use. Have used extensively most of the Microsoft Office 2000 programs (Microsoft Word, Excel & PowerPoint). Have learnt and used the programming language FORTRAN 77.

Basic skills in AutoCAD

Other Skills

- Experience in writing research proposals
- Participating in EU-funded projects
- International driving license

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