

CURRICULUM VITAE

PERSONAL INFORMATION

Name : Fotini Simantiraki
Date of Birth : 02-02-1984

CONTACT INFORMATION

e-mail : fotini.simantiaki02@gmail.com
tel : 28210 37790
Office : K1.127, School of Environmental Engineering, University Campus, Kounoupidiana, Chania, Crete

EDUCATION

- 2008 – 2014 : Ph.D. in Environmental Engineering, Technical University of Crete, School of Environmental Engineering
Dissertation title : Remediation of the polluted underground aquifer from organic and inorganic pollutants with the application of the permeable reactive barriers technology, Supervised by Prof. Evangelos Gidakos
- 2006 – 2008 : Postgraduate Specialization Degree (PSD) in "Environmental and Sanitary Engineering", Technical University of Crete, Greece.
Thesis Title : "Implementation of an image analysis technique to determine LNAPL infiltration and distribution in unsaturated porous media ". GPA: 9,36/10
- 2001 – 2006 : Diploma in Environmental Engineering, Department of Environmental Engineering, Technical University of Crete, Greece.
GPA: 8,27/10
Thesis Title: "Design and set up of a laboratory scale aerobic landfill bioreactor ".
- 1998 – 2001 : 8th Lychee of Chania, GPA 18.8/20

LANGUAGES

- Greek : Native language – Excellent knowledge
- English : Certificate of Proficiency in English by the University of Michigan-2004
- Italian : Basic knowledge-2010

MEMBERSHIP OF PROFESSIONAL BODIES

- Member of the Technical Chamber of Greece (TEE – TCG) – 2006
-

HONORS

- Scholarship from the Public Benefit Foundation “Alexander S. Onassis” for Phd studies, (2008-2012)
 - Scholarship from the Technical University of Crete, Postgraduate Studies Program, “Environmental And Sanitary Engineering” , (2006-2007)
 - Scholarship, from the national foundation of Scholarships in Greece (IKY) (2000-2001)
-

PROFESSIONAL EXPERIENCE

- Research work:
 1. «Monitoring of the polluted aquifer and groundwater of oil refinery site» από 1/01/2010 έως 31/12/2015
 2. «Analyses of RDF from », 01/01/2008 until 30/04/2008
 - Environmental Engineer, Environmental Department, Prefecture of Chania (1-04-2008 έως 30-09-2009).
-

TUTORIAL EXPERIENCE

- Laboratory assistant during the second semester of 2009, 2010 and 2011, for the lesson “Municipal Solid Waste Management and Treatment”, School of Environmental Engineering, Technical University of Greece
 - Laboratory assistant during the second semester of 2012, for the lesson Toxic and Hazardous Waste Management, School of Environmental Engineering, Technical University of Greece
-

PUBLICATIONS IN SCIENTIFIC JOURNALS

- **F. Simantiraki**, C.G. Kollias, D. Maratos, J. Hahladakis, E. Gidarakos, “ Qualitative determination and application of sewage sludge and municipal solid waste compost for BTEX removal from groundwater”, Journal of Environmental Chemical Engineering, (Accepted 26 February 2013).
 - **F. Simantiraki**, M. Aivalioti, E. Gidarakos, “Implementation of an image analysis technique to determine LNAPL infiltration and distribution in unsaturated porous media”, Desalination, (in press 2009).
 - Giannis, G Makripodis, **F. Simantiraki**, M. Somara, E. Gidarakos “Monitoring operational and leachate characteristics of an aerobic simulated landfill bioreactor”. Waste management, (Accepted 25 June 2007).
-

PUBLICATIONS IN CONFERENCES

- F. Simantiraki, E. Ziata, E. Gidarakos, “Compost and zeolite use in laboratory scale permeable reactive barriers for the simultaneous removal of BTEX, Cd²⁺ and Zn²⁺ from groundwater”, 4th International Conference Hazardous and Industrial Waste Management, September 2014, Chania, Greece.
- F. Simantiraki, E. Gidarakos, An intergraded study in groundwater remediation from BTEX, Cd²⁺ and Zn²⁺ using compost and zeolite, 4th International Conference Hazardous and Industrial Waste Management, September 2014, Chania, Greece.

-
- **F. Simantiraki**, E. Gidarakos, Groundwater remediation from Zn, Cd contamination using greek natural zeolite - Laboratory batch and column experiments. Accepted for presentation to the 3rd International Conference Hazardous and Industrial Waste Management, 12-14/09/2012, Chania, Greece.
 - **F. Simantiraki**, M. Aivalioti, E. Gidarakos Laboratory batch and column study for remediation of BTEX contaminated groundwater using compost and greek natural zeolite. Accepted for presentation to the 3rd International Conference Hazardous and Industrial Waste Management, 12-14/09/2012, Chania, Greece.
 - K. Anastasiadou, D. Kalderis, **F. Simantiraki**, E. Gidarakos, Synthesis of zeolite type a from greek chrysotile asbestos in subcritical water. Accepted for presentation to the 11th International Conference "Protection and Restoration of the Environment XI", 3-6/07/2012, Thessaloniki, Greece.
 - **F. Simantiraki**, D. Maratos, K. Anastasiadou, E. Gidarakos, Characterization of municipal solid waste compost and use for Groundwater remediation of petroleum hydrocarbons. Accepted for presentation to the 11th International Conference "Protection and Restoration of the Environment XI", 3-6/07/2012, Thessaloniki, Greece.
 - **F. Simantiraki**, C. Kollias, E. Gidarakos, Characterization of different types of sewage sludge and application for groundwater remediation of petroleum hydrocarbons (BTEX). CEST 2011, September 2011, Rhodes, Greece.
 - E. Gidarakos, **F. Simantiraki** «RDF Evaluation in the Region of Chania», Proceedings of the 2nd International Symposium on Energy from Biomass and Waste, Venice, 17 - 20 November (2008).
 - **F. Simantiraki**, M. Aivalioti, E. Gidarakos «Laboratory and model infiltration and distribution of LNAPL in unsaturated porous medium ». Submitted for oral presentation to the 1st International Conference "Hazardous Waste Management", 1-3/10/2008, Chania, Crete.
 - **F. Simantiraki**, M. Aivalioti, E. Gidarakos «Laboratory infiltration and distribution of LNAPL in the vadose zone ». Accepted for presentation to the 9th International Conference "Protection and Restoration of the Environment VIII", 29/06-3/07/2008, Kefalonia, Greece.
 - G. Makripodis, **F. Simantiraki**, M. Somara, E. Gidarakos «Design and set up of a laboratory scale aerobic landfill bioreactor». Accepted for presentation to the 8th International Conference "Protection and Restoration of the Environment VIII", 3-7/07/2006, Chania, Crete

ADDITIONAL EXPERIENCE

- General Secretariat of the "1st International Conference on Hazardous Waste Management", 1-3 October 2008. Chania, Greece.
- General Secretariat of the "2nd International Conference: Hazardous and Industrial Waste Management", 5-8 October 2010. Chania, Greece.

COMPUTER SKILLS

- Arc Gis Pro Designer diploma, ECDL (2009)
- ECDL Progress diploma (2007).
- Excellent knowledge of MS Office (Word, Excel, PowerPoint) and network navigation.

