

CURRICULUM VITAE – D. Pentari

August 2011

CONTACT INFORMATION

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OCCUPATION

2009-present Lecturer,
Mineral Resources Engineering Department
Technical University Crete, Chania, Greece

EDUCATION:

- **2002** Ph.D. Degree in Geochemistry, Mineral Resources Engineering Department, Technical University of Crete, Chania, Greece.
Title of Ph.D Thesis: “Geochemistry of Lignites from the Elassona and Florina Coal Basins. Emphasis on Trace Elements”. Supervisor: Prof. A.E. Foscolos.
- **1990** Degree in Chemistry, Department of Chemistry, National Kapodestrian University, Athens, Greece.

PUBLICATIONS

Refereed publications in journals

- **D. Pentari**, A.E. Foscolos, V. Perdikatsis “Trace element contents in the Domenico lignite deposit, Elassona basin, Central Greece.” International Journal of Coal Geology 58 (2004) pp 261-268.
- D. Vamvuka, J. Hahladakis, **D. Pentari** “Leaching of toxic elements from lignite and agro residue ashes in cultivated soils of Crete.” Energy and Fuels 19 (2005) pp 807-812
- **D. Pentari**, Typou J., Goodarzi F., Foscolos A.E. “Concentrations of trace elements and elements of environmental concern in regular and reclaimed soils developed on abandoned coal mines in Ptolemais – Amynteon, northern Greece: Impact on wheat crops.” International Journal of Coal Geology. 65 (2006) pp51-58.
- N. Lydakis – Simantiris, **D. Pentari**, E. Katsivela, D. Koutoulakis, V. Perdikatsis, and Aik. Pavlaki. “A Chemical and Microbiological Study of the Water of the Agyia Springs in Western Crete. WSEAS Transactions on Environment and Development, 6, (2006) pp 816-822.
- **D. Pentari**, A.E. Foscolos, V. Perdikatsis “Trace element contents in the lignite-bearing area of Lofoi, Florina basin, Western Greek Macedonia, Greece.” Energy Sources, Part A: Recovery, Utilization and Environmental Effects, 30(4), (2008) pp 316-324.

- **D. Pentari**, V. Perdikatsis, D. Katsimicha, A. Kanaki “Sorption properties of low calorific value Greek lignites: Removal of lead, cadmium, zinc and copper ions from aqueous solutions” *Journal of Hazardous Materials*, 168, (2009) pp1017-1021
- Giannis, A. Nikolaou, A. **Pentari**, D. Gidarakos, E. “Chelating agent-assisted electrokinetic removal of cadmium, lead and copper from contaminated soils” *Environmental Pollution*, 157, (2009) pp 3379-3386
- D. Vamvuka, M. Pitharoulis, G. Alevizos, E. Repouskou, **D. Pentari** “Ash effects during combustion of lignite/biomass blends in fluidized bed” *Renewable Energy*, 34 (12), (2009) pp. 2662-2671
- Giannis, A., **Pentari**, D., Wang, J.-Y., Gidarakos, E. “Application of sequential extraction analysis to electrokinetic remediation of cadmium, nickel and zinc from contaminated soils” *Journal of hazardous materials Journal of Hazardous Materials* 184, Issue 1-3, (2010) pp 547-554
- Kopanakis, I. , Lydakis-Simantiris, N., Katsivela, E., **Pentari**, D., Zampas, P., Mihalopoulos, N., Lazaridis, M. “Size distribution and chemical composition of airborne particles at Akrotiri research station, Crete, Greece” *Global Nest Journal* Volume 12, Issue 1, (2010) pp 54-62
- I. Kopanakis, K. Eleftheriadis, N. Mihalopoulos, N. Lydakis-Simantiris, E. Katsivela, **D. Pentari**, P. Zampas, M. Lazaridis, “Physico-chemical characteristics of Particulate Matter in the Eastern Mediterranean” *Atmospheric research* *accepted*

Refereed publications in International Conferences

- **D. Pentari** “Evaluation of different analytical methods used for the determination of trace elements in coal ash” 10th International Congress of the Geological Society of Greece, Thessaloniki, April 2004.
- **D. Pentari**, A.E. Foscolos “Geochemistry of Florina and Elassona coal basins with emphasis on trace elements and elements of environmental concern.” *Proceedings of the 1st International Conference on Advances in Mineral Resources Management and Environmental Geotechnology*. June 2004 pp 665-662.
- N. Lydakis-Simantiris, **D. Pentari**, V. Perdikatsis, E. Manutsoglou, D. Moraetis, and Ch. Apostolaki “Mineralogical, geochemical and nutrient analysis of soils from Omalos polje-plateau, western Crete. Geonvironment and Geotectonics International Workshop, Book of Proceedings September 2005.
- D. Moraetis, V. Perdikatsis, **D. Pentari**, E. Manutsoglu, Ch. Apostolaki, and N. Lydakis – Simantiris A Study on the Correlation of the Properties of Parent Rock and Soils of Different Geological Origin. *Proceedings of the 2nd International Conference on: "Advances in Mineral Resources Management and Environmental Geotechnology"*, Chania, Crete, September 2006, pp 349-354.
- N. Lydakis – Simantiris, **D. Pentari**, E. Katsivela, D. Koutoulakis, V. Perdikatsis, and Aik. Pavlaki A Study on the Quality of the Water of the Agyia Springs in Western Crete. *Proceedings of 2006 World Congress of Energy, Environment, Ecosystems, Sustainable Development (EEESD'06)*, Vouliagmeni Beach, Athens, Greece, July 11-13, 2006, pp. 342-347.
- Moraetis D., **Pentari D.**, Perdikatsis V., Manutsoglu E., Apostolaki Ch., Lydakis – Simantiris N., (2006) “A study on the correlation of the properties of parent rock and soils of different geological origin.” *Amireg Chania* 349-354.

- V. Perdikatsis, E. Kizlari, N. Pasadakis, **D. Pentari** “Soil pollution by pesticides in greenhouses in the prefecture of Hania Greece” AMIREG 2006, “Advances in Mineral Resources Management and Environmental Geotechnology” Book of Proceedings ISBN: 960-89228-1-X, 2006, p.717-722.
- Kopanakis, M. Lazaridis, N. Lydakis-Simantiris, E. Katsivela, K. Eleftheriadis, **D. Pentari**, P. Zampas, and N. Mihalopoulos Particulate Matter Size Distribution Measurements at Akrotiri Station, Crete, Greece. Proceedings of the International Conference on the Protection and Restoration of the Environment IX, Kefalonia, June 29 – July 3, 2008.
- D. Katsimicha, **D. Pentari**, V. Perdikatsis, K. Komnitsas “Determination of Hg in selected greek soils and sea sediments” Proceedings of the 3rd International Conference on Advances in Mineral Resources Management and Environmental Geotechnology Athens, 7-9 September 2009.
- S. Aslanidou, N. Lydakis-Simantiris, C. Kotsifaki, **D. Pentari**, and E. Katsivela. Ferric Chloride (FeCl₃) as Regulatory Agent for the Reduction of Hydrogen Sulfide (H₂S) in Municipal Wastewater. Proceedings of the International Conference on the Protection and Restoration of the Environment IX, Kefalonia, June 29 – July 3, 2008.
- **Pentari D.**, Serafim V., Perdikatsis V., “Treatment of coal fly ash with ferrous sulfate solution and ochre to reduce the mobility of Zn, Mn, and Cr” Proceedings of the XIIth Mineral Processing Symposium, Cappadocia, Turkey, 6-8 October, 2010.
- E. Stamboliadis, O. Pantelaki, **D. Pentari**, E. Panagiotara “Beneficiation of a nickeliferous laterite ore from Euboea, Central Greece” Proceedings of the XIIth Mineral Processing Symposium, Cappadocia, Turkey, 6-8 October, 2010.
- **Despina Pentari**, Despina Katsimicha, Asimina Moraiti, Vasilis Perdikatsis, Konstantinos Komnitsas, “Mercury contents in soils and sea sediments in Crete, Greece” 25th International Applied Geochemistry Symposium, Rovaniemi, Finland, 20-26 August 2011.