

ΒΙΟΓΡΑΦΙΚΟ ΣΗΜΕΙΩΜΑ

Αύγουστος 2011

ΠΡΟΣΩΠΙΚΑ ΣΤΟΙΧΕΙΑ:

Όνομα: Πεντάρη Δέσποινα

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ΕΠΑΓΓΕΛΜΑΤΙΚΗ ΚΑΤΑΣΤΑΣΗ:

- **12/09- σήμερα** Λέκτορας τμήματος Μηχανικών Ορυκτών Πόρων του Πολυτεχνείου Κρήτης, εργαστήριο Ανόργανης και Οργανικής Γεωχημείας και Οργανικής Πετρογραφίας.

ΣΠΟΥΔΕΣ:

- **2002** Διδακτορικό δίπλωμα από το τμήμα Μηχανικών Ορυκτών Πόρων του Πολυτεχνείου Κρήτης τον Ιούνιο του 2002. Θέμα διδακτορικής διατριβής «Γεωχημεία των λιγνιτών των περιοχών Φλώρινας και Ελασσόνας με έμφαση στους ιχνορυπαντές».
- **1990** Πτυχίο χημικού από το τμήμα Χημείας του Εθνικού Καποδιστριακού Πανεπιστημίου της Αθήνας τον Φεβρουάριο του 1990.

ΕΚΠΑΙΔΕΥΤΙΚΗ ΕΜΠΕΙΡΙΑ /ΔΙΔΑΚΤΙΚΟ ΕΡΓΟ :

- **12/09 – σήμερα** Διδασκαλία των μαθημάτων : Περιβαλλοντική Γεωχημεία (9^ο εξαμήνου), Γεωχημεία (6^ο εξαμήνου), Κοιτασματολογία Ενεργειακών Πόρων (9^ο εξαμήνου), Εφαρμοσμένη Γεωχημεία (μεταπτυχιακό)
- **1991- 12/09** Ανάθεση του εργαστηριακού εκπαιδευτικού έργου για τα μαθήματα: Γεωθερμία (9^ο εξαμήνου), Γεωχημεία (6^ο εξαμήνου), Κοιτασματολογία Ενεργειακών Πόρων (9^ο εξαμήνου) και Μέθοδοι ανάλυσης ορυκτών (μεταπτυχιακό).

Συγγραφή σχετικών σημειώσεων

Συμμετοχή σε τριμελείς επιτροπές διπλωματικών εργασιών

Συμμετοχή στην επίβλεψη διπλωματικών και μεταπτυχιακών (Msc, Phd) εργασιών.

ΔΗΜΟΣΙΕΥΣΕΙΣ ΣΕ ΔΙΕΘΝΗ ΠΕΡΙΟΔΙΚΑ

- **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. Pentari**, Τυπου 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.

- 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**, 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*, 2008, 30(4), 316-324.
- 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. 2006, WSEAS Transactions on Environment and Development, 6, 816-822.
- **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*. 2009, 168, 1017-1021
- Giannis, A. Nikolaou, A. **Pentari**, D. Gidarakos, E “Chelating agent-assisted electrokinetic removal of cadmium, lead and copper from contaminated soils” *Environmental Pollution* 2009, 157, 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.**, Zarmpas, 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. Zarmpas, M. Lazaridis, “Physico-chemical characteristics of Particulate Matter in the Eastern Mediterranean” *Atmospheric research* *accepted*

ΑΝΑΚΟΙΝΩΣΕΙΣ ΣΕ ΣΥΝΕΔΡΙΑ

- **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 Ellassona 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.
- Β. Περδικάτης, Ε. Μανούτσογλου, Ν. Σπάρταλη, Δ. Μωραΐτης, **Δ. Πεντάρη**, «Συμπεριφορά υγρών αποβλήτων ελαιουργείων σε πετρώματα διαφόρου λιθολογίας.» *Bulletin of the Geological Society of Greece* vol. XXXVI, 2004, *Proceedings of the 10th International Congress*, Thessaloniki, April 2004.
- 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.
- 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.
- 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.
- Moraetis D., Pentari D., Perdikatsi V. s, 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.