ΒΙΟΓΡΑΦΙΚΟ ΣΗΜΕΙΩΜΑ
ΔΗΜΗΤΡΙΟΣ Γ. ΚΑΛΔΕΡΗΣ

Ονοματεπώνυμο : Δημήτριος Καλδέρης
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1. Επαγγελματική κατάσταση

Χημικός, Επίκουρος Καθηγητής στο Τμήμα Ηλεκτρονικών Μηχανικών, Ελληνικό Μεσογειακό Πανεπιστήμιο

Γνωστικό Αντικείμενο: Επεξεργασία και Αξιοποίηση Αποβλήτων

ΦΕΚ Διορισμού Γ/42/31-1-2011
ΦΕΚ Μονιμοποίησης Γ/186/10-3-2015
ΦΕΚ Επίκουρου Καθηγητή Γ/866/20-9-2016

Ερευνητικά ενδιαφέροντα:

- Επεξεργασία βιομάζας/αγροτικών παραπροϊόντων για τη παραγωγή πολυλειτουργικών υλικών
- Υδροθερμική επεξεργασία – εξυγίανση βιομηχανικών αποβλήτων
- Τεχνολογίες απορρύπανσης εδαφών

2. Εκπαίδευση

Τμήμα Χημείας, Πανεπιστήμιο Leeds Μεγάλης Βρετανίας, 1994-1997

Διδακτορικό Δίπλωμα, Πανεπιστήμιο Leeds Μεγάλης Βρετανίας, 1997-2001

Τίτλος Διδακτορικής Διατριβής: Εξυγίανση εδαφών χρησιμοποιώντας υποκρίσιμο και υπερκρίσιμο νερό.

3. Επαγγελματική εμπειρία – Συμμετοχή σε Ερευνητικά Έργα:

5/2020 – 12/2020	Ολοκληρωμένο σύστημα λήψης αποφάσεων για την άρδευση καλλιεργειών σε επίπεδο Κρήτης με χρήση καινοτόμων τεχνολογιών – DEFICIT (RIS3Crete). Χρηματοδότηση: European Structural and Investment Funds – Partnership Agreement 2014-2020 (Επιστημονικός Υπεύθυνος: Ν. Κουργιαλάς ΕΛΓΟ Δήμητρα)
1/2018 – 6/2019	IUPAC Project #2015-056-3-600, Environment Division (VI) "Glossary of Terms used in biochar research". **Επιστημονικός Υπεύθυνος: Δ.**

	Καλδέρης
4/2016 – 4/2017	Παραγωγή και εδαφική εφαρμογή βιο-εξανθρακώματος από στερεά αγρο-βιομηχανικά απόβλητα - Bio-orange. Χρηματοδότηση: ΕΛΚΕ ΤΕΙ Κρήτης. **Επιστημονικός Υπεύθυνος: Δ. Καλδέρης**
7/2013 – 11/2015	ΑΡΧΙΜΗΔΗΣ ΙΙΙ - Υποέργο 15 - Μοντέλο πολυπαραμετρικής εκτίμησης βαθμού επικινδυνότητας του ρυπαντικού φορτίου των αγωγών όμβριων υδάτων στον κόλπο Χανίων (Επιστημονικός Υπεύθυνος: Καθ. Γ. Σταυρουλάκης)
1/2012 – 12/2016	COST Action TD1107 - Biochar as option for sustainable resource management (Networking project) - Εθνικός εκπρόσωπος μαζί με τον Καθ. κ. Διαμαντόπουλο, Πολυτεχνείο Κρήτης.
1/2009 – 8/2009	Μελέτη για τη διερεύνηση, αξιολόγηση & αποκατάσταση ανεξέλεγκτων ρυπασμένων χώρων/εγκαταστάσεων από βιομηχανικά & επικίνδυνα απόβλητα (Επιστημονικός Υπεύθυνος: Καθ. Ε. Γιδαράκος) – Χρηματοδότηση Υ.ΠΕ.ΧΩ.ΔΕ
1/2008 – 1/2010	IUPAC Project #2007-026-2-600, Environment Division VI «Soils contaminated with explosives: Environmental Risk Assessment and Evaluation of state-of-the-art treatment processes». **Επιστημονικός Υπεύθυνος: Δ. Καλδέρης**
1/2008 – 5/2008	Μελέτη διάθεσης βιοαποδομήσιμου κλάσματος απορριμμάτων Δήμου Ελευσίνας: Αξιολόγηση με κριτήρια τεχνικά, οικονομικά και περιβαλλοντικά (Επιστημονικός Υπεύθυνος: Καθ. Ε. Γιδαράκος)
5/2007 – 10/2007	Μελέτη με τίτλο «Απογραφή αξιολόγησης δυνατοτήτων διάθεσης και επεξεργασίας ιλύος στην Περιφέρεια Κρήτης» (Επιστημονικός Υπεύθυνος: Καθ. Ε. Γιδαράκος).
7/2005 – 1/2007	Ευρωπαϊκό πρόγραμμα «HARMONICA»: Παραγωγή υλικών πρόσθετης αξίας για περιβαλλοντικές εφαρμογές από αγροτικά στερεά απόβλητα της Ινδίας – Παραγωγή Ενεργού Άνθρακα από μάζα ζαχαροκάλαμου και φλοιό ρυζιού (EUROPEAN UNION-INDIA CROSS CULTURAL PROGRAMME (ALA/95/23/2003/077-124). Επιστημονικός Υπεύθυνος: Καθ. Ε. Διαμαντόπουλος.
8/2004 – 3/2005	Πρόγραμμα ERIS – Ευφυή περιβαλλοντικά συστήματα – Εφαρμογή στην επεξεργασία αποβλήτων ελαιουργείων (ΚΠΣ 2000-2006, Ε.Π Ανταγωνιστικότητα, Άξονας 4/Μέτρο 4.1, ΓΓΕΤ). Επιστημονικός Υπεύθυνος: Καθ. Ε. Διαμαντόπουλος.
2/2004 – 6/2005	Ευρωπαϊκό πρόγραμμα «HIVALUE»: Παραγωγή υλικών πρόσθετης αξίας από τα παραπροϊόντα αεριοποίησης άνθρακα. (EU COAL AND STEEL ECONOMIC COMMUNITY ECSC 7220-PR/145). Επιστημονικός Υπεύθυνος: Καθ. Ε. Διαμαντόπουλος.
6/1999 – 4/2000	Ερευνητικός συνεργάτης στο εργαστήριο Περιβαλλοντικής Χημείας του Ερευνητικού Κέντρου Ενέργειας και Περιβάλλοντος (Energy and Environmental Research Center – EERC), ΗΠΑ. Ανάπτυξη μεθόδου για την απορρύπανση εδαφών ρυπασμένων με εκρηκτικές ενώσεις, έργο χρηματοδοτούμενο από το Υπουργείο Ενέργειας, ΗΠΑ. (U.S. Department of Energy, Agreement number DE-FC21-94MC31388).

4. Εκπαιδευτική εμπειρία/Διδακτικό έργο

Διδασκαλία προπτυχιακών μαθημάτων:

Τμήμα Ηλεκτρονικών Μηχανικών

- Οικολογικός Σχεδιασμός (8ο εξάμηνο – συνδιδασκαλία με Αν. Καθ. Εμμ. Μαραβελάκη)
- Λειτουργικά Υλικά σε Ηλεκτρονικές Διατάξεις (8ο εξάμηνο)
- Διαχείριση και αξιοποίηση αποβλήτων ηλεκτρικού και ηλεκτρονικού εξοπλισμού (9ο εξάμηνο)

πρώην Τμήμα Μηχ/κων Φυσικών Πόρων και Περιβάλλοντος

- Διαχείριση και Επεξεργασία Στερεών Αποβλήτων (5ο εξάμηνο)
- Διαχείριση Τοξικών και Επικίνδυνων Αποβλήτων (6ο εξάμηνο)
- Τεχνολογίες Αξιοποίησης Βιομάζας (7ο εξάμηνο)

Διδασκαλία μεταπτυχιακών μαθημάτων (ΜΠΣ Geoenvironmental Resources and Risks – GEORR):

- Environmental Chemistry
- Advanced Geochemistry
- Περιβαλλοντική Χημεία και Ρύπανση

5. Επιστημονική δραστηριότητα

Σύνοψη δημοσιευμένου έργου	
Δημοσιεύσεις σε επιστημονικά περιοδικά μετά από κρίση	45
Δημοσιεύσεις σε επιστημονικά μη αγγλόφωνα περιοδικά μετά από κρίση	1
Δημοσιεύσεις σε διεθνή συνέδρια μετά από κρίση	26
Ετεροαναφορές	2120 (Scopus)
Δείκτης επιστημονικής ποιότητας h - index	22 (Scopus)
Μελέτες	3
Έκδοση βιβλίου ως επικεφαλής συντάκτης (Lead Editor)	1

Δημοσιεύσεις σε διεθνή περιοδικά μετά από κρίση

1. Hydrochars as emerging biofuels: Recent advances and application of artificial neural networks for the prediction of heating values, Vardiambasis, I.O. Kapetanakis, T.N., Nikolopoulos, C.D., Trang, T.K., Tsubota, T., Keyikoglu, R., Khataee, A., **Kalderis, D.** Energies 13, en13174572. Impact Factor: 2.702
2. Glycine Betaine Accumulation, Significance and Interests for Heavy Metal Tolerance in Plants, Shafaqat Ali , Zohaib Abbas, Mahmoud F. Seleiman, Muhammad Rizwan, Ilkay Yavas, Bushra Ahmed Alhammad, Ashwag Shami, Mirza Hasanuzzaman, **Dimitrios Kalderis**. Plants 9 (2020) 896. Impact Factor: 2.762
3. Application of Floating Aquatic Plants in Phytoremediation of Heavy Metals Polluted Water: A Review, Shafaqat Ali , Zohaib Abbas, Muhammad Rizwan, Ihsan Elahi Zaheer, Ilkay Yavas, Aydın Ünay, Mohamed M. Abdel-Daim, May Bin-Jumah, Mirza Hasanuzzaman, **Dimitrios Kalderis.** Sustainability 12 (2020) 1927-1961. Impact Factor: 2.576
4. Utilization of pine tree biochar produced by flame-curtain pyrolysis in two non-agricultural applications, **D. Kalderis**, S. Tsuchiya, K. Phillipou, P. Paschalidou, I.Pashalidis, D. Tashima, T. Tsubota, Bioresource Technology Reports (2020), 9, 100384.
5. Preliminary assessment on the application of biochar and spectral-induced polarization for wastewater treatment, Kirmizakis, P., **Kalderis, D.**, Ntarlagiannis, D., Soupios, P. Near Surface Geophysics 18 (2019) 109-122. Impact Factor: 1.186.
6. Fe-modified hydrochar from orange peel as adsorbent of food colorant Brilliant Black: process optimization and kinetic studies, Çatlıoğlu, F.N., Akay, S., Gözmen, B., Turunc, E., Anastopoulos, I., Kayan, B., **Kalderis, D.,** International Journal of Environmental Science and Technology 17 (2019) 1975-1990. Impact Factor: 2.540
7. A complementary analysis of the porous structure of biochars obtained from biomass, Miroslaw Kwiatkowski, **Dimitrios Kalderis**, Carbon Letters (2019) in press. Impact Factor: 1.992
8. Evaluation of the enhanced resistance of *Ogataea* (Hansenula) *polymorpha* to benzalkonium chloride as a resource for bioremediation technologies, Muter, O., Khroustalyova, G., Rimkus, A., **Kalderis, D**., Ruchala, J., Sibirny, A., Rapoport, A. Process Biochemistry 87 (2019) 157-163. Impact Factor: 2.952
9. Cu_2O-CuO@biochar composite: Synthesis, characterization and its efficient photocatalytic performance, Khataee, A., **Kalderis, D**., Gholami, P., Fazli, A., Moschogiannaki, M., Binas, V., Lykaki, M., Konsolakis, M. Applied Surface Science 498 (2019) 143846. Impact Factor: 6.182
10. Degradation of chloramphenicol and metronidazole by electro-Fenton process using graphene oxide-Fe_3O_4 as heterogeneous catalyst, Fatma Görmez, Özkan Görmez, Belgin Gözmen, **Dimitrios Kalderis**. Journal of Environmental Chemical Engineering 7 (2019) 102990. Impact Factor: 4.300

11. Assessment of orange peel hydrochar as a soil amendment: impact on clay soil physical properties and potential phytotoxicity, **Dimitrios Kalderis**, George Papameletiou, Berkant Kayan. Waste and Biomass Valorization 10 (2019) 3471-3484 Impact Factor 2.851.
12. Synthesis of pumice-TiO_2 nanoflakes for sonocatalytic degradation of famotidine, Tannaz Sadeghi Rad, Alireza Khataee, Berkant Kayan, **Dimitrios Kalderis**, Sema Akay. Journal of Cleaner Production 202 (2018) 853-862. Impact Factor 7.246
13. Synthesis of ZrO_2 nanoparticles on pumice and tuff for sonocatalytic degradation of rifampin, Alireza Khataee, Peyman Gholami, Berkant Kayan, **Dimitrios Kalderis,** Laleh Dinpazhoh, Sema Akay. Ultrasonics Sonochemistry 48 (2018) 349-361. Impact Factor: 6.513
14. Preparation of novel CeO_2-biochar nanocomposite for sonocatalytic degradation of a textile dye, Khataee, A. Gholami, P., **Kalderis, D**., Pachatouridou, E., Konsolakis, M. Ultrasonics Sonochemistry 41 (2018) 503-513. Impact Factor: 6.513
15. Degradation of nitroaromatic compounds in subcritical water: application of response surface methodology, Berkant Kayan, Sema Akay, Belgin Gözmen, A. Murat Gizir, Muhammet Demirel, **Dimitrios Kalderis**, Desalination and Water Treatment 77 (2017) 237-246. Impact Factor: 1.383
16. Poly(benzoxazine-co-sulfur): An efficient sorbent for mercury removal in aqueous solution, Sema Akay, Berkant Kayan, **Dimitrios Kalderis**, Mustafa Arslan, Yusuf Yagci, Baris Kiskan, Journal of Applied Polymer Science 134(38) 2017 45306. Impact Factor: 2.520
17. Sonocatalytic degradation of Reactive Yellow 39 using synthesized ZrO_2 nanoparticles on biochar, Alireza Khataee, Berkant Kayan, Peyman Gholami, **Dimitrios Kalderis**, Sema Akay, Laleh Dinpazhoh, Ultrasonics Sonochemistry 39 (2017) 540-549. Impact Factor 6.513
18. Adsorption of 2,4-dichlorophenol on paper sludge/wheat husk biochar: Process optimization and comparison with biochars prepared from wood chips, sewage sludge and hog fuel/demolition waste, **Dimitrios Kalderis**, Berkant Kayan, Sema Akay, Esra Kulaksız, Belgin Gözmen, Journal of Environmental Chemical Engineering 5(3) (2017) 2222-2231. Impact Factor: 4.300
19. Sonocatalytic degradation of an anthraquinone dye using TiO_2-biochar nanocomposite, Alireza Khataee, Berkant Kayan, Peyman Gholami, **Dimitrios Kalderis**, Sema Akay. Ultrasonics Sonochemistry 39 (2017) 120-128. Impact Factor 6.513
20. Adsorption of Malachite Green on Fe-modified biochar: influencing factors and process optimization, Esra Kulaksiz, Belgin Gözmen, Berkant Kayan, **Dimitrios Kalderis.** Desalination and Water Treatment 74 (2017) 383-394. Impact Factor: 1.383
21. Acid Red 1 and Acid Red 114 decolorization in H_2O_2-modified subcritical water: process optimization and application on a textile wastewater, Berkant Kayan,

Sema Akay, Esra Kulaksız, Belgin Gözmen, **Dimitrios Kalderis**, Desalination and Water Treatment (ISSN:1944-3994) 2017, 59, 248-261. Impact Factor: 1.383

22. Numerical analysis of the influence of the impregnation ratio on the microporous structure formation of activated carbons, prepared by chemical activation of waste biomass with phosphoric (V) acid, Kwiatkowski, M., **Kalderis, D.**, Diamadopoulos, E. Journal of Physics and Chemistry of Solids (ISSN:0022-3697) 2017, 105, 81-85. Impact Factor: 3.442
23. Ultrasound-assisted removal of Acid Red 17 using nanosized Fe_3O_4-loaded coffee waste hydrochar, Khataee, A., Kayan, B., **Kalderis, D.**, Karimi, A., Akay, S., Konsolakis, M. Ultrasonics Sonochemistry (ISSN:1350-4177) 2017, 35, 72-80. Impact Factor: 6.513
24. Fe-modified sporopollenin as a composite biosorbent for the removal of Pb^{2+} from aqueous solutions, Şener, M., Kayan, B., Akay, S., Gözmen, B., **Kalderis, D**. Desalination and Water Treatment (ISSN:1944-3994) 2016, 57, 28294-28312. Impact Factor: 1.383
25. Toward the Standardization of Biochar Analysis: The COST Action TD1107 Interlaboratory Comparison, Bachmann, H.J., Bucheli, T.D., **Kalderis, D**., et al., Journal of Agricultural and Food Chemistry (ISSN:0021-8561) 2016, 64(2), 513-527. Impact Factor: 4.192
26. Rice husks and their hydrochars cause unexpected stress response in the nematode *Caenorhabditis elegans:* reduced transcription of stress-related genes, Shumon Chakrabarti, Christiane Dicke, **Dimitrios Kalderis**, Jürgen Kern, Environmental Science and Pollution Research (ISSN:0944-1344) 2015, 22(16), 12092-12103. Impact Factor: 3.056
27. Ca and Fe modified biochars as adsorbents of arsenic and chromium in aqueous solutions, E. Agrafioti, **D. Kalderis**, E. Diamadopoulos, Journal of Environmental Management (ISSN:0301-4797) 146 (2014), 444-450. Impact Factor: 5.647
28. Subcritical water treatment of landfill leachate: Application of response surface methodology, P. Kirmizakis, C. Tsamoutsoglou, B. Kayan, **D. Kalderis,** Journal of Environmental Management 146 (2014) 9-15, Impact Factor: 5.647
29. Characterization of hydrochars produced by hydrothermal carbonization of rice husk, **D. Kalderis**, M. S. Kotti, A. Méndez, and G. Gascó, Solid Earth 5, 2014, 477–483. Impact Factor: 2.921
30. Arsenic and chromium removal from water using biochars derived from rice husk, organic solid wastes and sewage sludge, Agrafioti, E., **Kalderis, D.**, Diamadopoulos, E., Journal of Environmental Management 2014, 133, 309-314. Impact Factor: 5.647
31. Biochar production by sewage sludge pyrolysis, Agrafioti, E., Bouras, G., **Kalderis, D**., Diamadopoulos, E., Journal of Analytical and Applied Pyrolysis 2013, 101, 72-78. Impact Factor: 3.905
32. Adsorption of Cu(II) ions from aqueous solutions on biochars prepared from agricultural by-products, Pellera, F.-M., Giannis, A., **Kalderis, D**., Anastasiadou, K.,

Stegmann, R., Wang, J.-Y., Gidarakos, E. Journal of Environmental Management 2012, 96(1), 35-42. Impact Factor: 5.647

33. Soils contaminated with explosives - environmental fate and evaluation of state-of-the-art treatment processes: A review, **Kalderis D**., Boopathy R., Juhasz A. Comfort S. Pure and Applied Chemistry 2011 83(7), 1407-1484. Impact Factor: 1.919
34. Degradation of Reactive Red 120 using hydrogen peroxide in subcritical water, Daskalaki, V.M., Timotheatou, E.S., Katsaounis, A., **Kalderis, D**. Desalination 2011, 274(1-3), 200-205. Impact Factor: 7.098
35. Valorization of solid waste residues from olive oil mills: A review, **Kalderis D**. and Diamadopoulos E. Terrestrial and Aquatic Environmental Toxicology 4 (Special Issue 1), 2010, 7-20. Impact Factor: not appointed yet
36. Electrochemical degradation of Reactive Red 120 using DSA and BDD anodes Panakoulias T., Kalatzis P., **Kalderis D**., Katsaounis A. Journal of Applied Electrochemistry 2010, 40(10), 1759-1765. Impact Factor: 2.384
37. Options for sustainable sewage sludge management in small wastewater treatment plants on islands: The case of Crete, **Kalderis D.,** Aivalioti M., Gidarakos E. Desalination 2010, 260(1-3), 211-217. Impact Factor: 7.098
38. Asbestos Pollution in an Inactive Mine: Determination of asbestos fibers in the deposit tailings and water, Koumantakis E., Anastasiadou K., **Kalderis D.**, Gidarakos E. Journal of Hazardous Materials 2009, 167(1-3), 1080-1088. Impact Factor: 9.038
39. Flocculation behavior of okra and mallow in treating wastewater, Anastasakis K., **Kalderis D**. and Diamadopoulos E. Desalination (ISSN:0011-9164) 2009, 249(2), 786-791. Impact Factor: 7.098
40. Interaction of soil and water and TNT during degradation of TNT on contaminated soil using subcritical water, **D. Kalderis**, S.B. Hawthorne, A.A. Clifford, E. Gidarakos, Journal of Hazardous Materials 2008, 159, 329-334. Impact Factor: 9.038
41. Characterization and treatment of wastewater produced during the hydrometallurgical extraction of Ge from fly ash. **D. Kalderis**, E. Tsolaki, A. Antoniou, E. Diamadopoulos, Desalination 2008, 230, 162-174. Impact Factor: 7.098
42. Production of activated carbon from bagasse and rice husks by a single-stage chemical activation method at low retention times. **Kalderis D**., Bethanis S., Paraskeva P. Diamadopoulos E., Bioresource Technology 2008, 99, 6809-6816. Impact Factor: 7.539
43. Production of Activated Carbon from Agricultural By-Products. E. Diamadopoulos, P. Paraskeva, **D. Kalderis**, Journal of Chemical Technology and Biotechnology, 2008, 83(5) 581-592. Impact Factor: 2.750
44. Adsorption of Polluting Substances on Activated Carbon Prepared from Rice Husk and Sugarcane Bagasse, **D. Kalderis**, D. Koutoulakis, P. Paraskeva, E.

Diamadopoulos, E. Otal, J.Olivares del Valle, C. Fernandez-Pereira. Chemical Engineering Journal 2008, 144, 42-50. Impact Factor: 10.652

45. Pilot-Scale Destruction of TNT, RDX and HMX on Contaminated Soils Using Subcritical Water, Hawthorne S.B., Lagadec A.J.M., **Kalderis D**. Lilke A.V. Miller D.J. Environmental Science & Technology 2000, 34, 3224-3228. Impact Factor: 7.864

Δημοσιεύσεις σε διεθνή συνέδρια μετά από κρίση

1. Toshiki Tsubota, Shion Tsuchiya, **Dimitrios Kalderis**, Ioannis Pashalidis, Daisuke Tashima, Qualitative assessment of biochar produced from low technology pyrolysis towards non-agricultural applications, IBI Biochar World Congress, 10-14th of November 2019, Seoul, South Korea (C25).
2. E. Syrganides, I. Ipsilantis, D. Gasparatos, **D. Kalderis**, Do Biochar and arbuscular mycorrhizal fungi cooperate in improving lettuce (*Lactuca sativa* L.) growth and nutrition in a saline soil? 8th Conference of the Hellenic Scientific Society of Mikrobiokosmos, 18-20th of April 2019, Patras, Greece (C24).
3. O. Muter, G. Khroustalyova, **D. Kalderis**, A. Sibirny, A. Rapoport. Tools for utilization of distillery industry waste-yeast biomass in bioremediation technologies, 6th International Conference on Sustainable Solid Waste Management, 13-16th of June 2018, Naxos, Greece (C23).
4. **D. Kalderis**, G. Papameletiou, B. Kayan, G. Stavroulakis, The effect of orange peel hydrochar on clay soil physical properties. 3rd Asia Pacific Biochar Conference, 19-22nd of October 2016, Chuncheon, South Korea (C22).
5. Kirmizakis P., Ntarlagiannis D., **Kalderis D**., Soupios P. Monitoring of organic load reduction in olive-mill wastewater by biochar using the spectral induced polarization (SIP) method, 88° Congresso Societa Geologica Italiana, 7-9th of September 2016, Napoli, Italy (C21).
6. Effects of rice husks and their chars from hydrothermal carbonization on the germination rate and root length of *Lepidium sativum*. Jürgen Kern, Irina Mukhina, Christiane Dicke, Giacomo Lanza, and **Dimitrios Kalderis**. Geophysical Research Abstracts, Vol. 17, EGU2015-10002, 2015 - EGU General Assembly 2015 (C20)
7. Stavroulakis G., **Kalderis D**. and Papafilippaki A. 2015. Temporal examination of urban water runoff quality in Chania, Greece. Proceedings of the 14th International Conference on Environmental Science and Technology, CEST 2015. 3-5th of September 2015, Rhodes, Greece (C19).
8. Stavroulakis G., **Kalderis D**. and Papafilippaki A. and Minou A. 2015. Distribution of sea water pollution in the Venetian Harbour Chania, Greece. Proceedings of the 14th International Conference on Environmental Science and Technology, CEST 2015. 3- 5th September 2015, Rhodes, Greece (C18).
9. **Kalderis D**., Stavroulakis G., and Diamadopoulos E. 2015. Urban run-off management in a Greek coastal city: Citizens' awareness, attitudes and proposed

solutions. Proceedings of the International Conference 'Science in Technology' SCinTE 2015. 5-7th November 2015, Athens, Greece (C17).

10. As(V), Cr(III) and Cr(VI) sorption on biochars and soil. Evan Diamadopoulos, Evita Agrafioti, and **Dimitrios Kalderis.** Geophysical Research Abstracts Vol. 16, EGU2014-9816, 2014 - EGU General Assembly 2014 (C16).
11. Synthesis of Zeolite type 'A' from Greek chrysotile asbestos in subcritical water, K. Anastasiadou, F. Simantiraki, **D. Kalderis**, E. Gidarakos, Protection and Restoration of the Environment XI – Solid Waste Management, 3-6th of July 2012, Thessaloniki, Greece (C15).
12. Production of synthetic zeolite from treated asbestos waste, K. Anastasiadou, **D. Kalderis**, E. Gidarakos, 3rd International Conference on Industrial and Hazardous Waste Management – Crete 2012, 12-14th of September 2012, Chania, Crete, Greece (C14).
13. Sewage sludge as a precursor for bio-char production, Agrafioti E., Bouras G., **Kalderis D**., Diamadopoulos E. 3rd International Conference on Industrial and Hazardous Waste Management – Crete 2012, 12-14th of September 2012, Chania, Crete, Greece (C13).
14. Copper adsorption using biochars generated by pyrolysis. Pellera F., Giannis A., **Kalderis D**., Gidarakos E. Proceedings Venice 2010, 3rd International Symposium on Energy from Biomass and Waste, Venice, Italy, 8-11th of November 2010 (C12).
15. Soil contaminated by explosives – environmental fate and evaluation of state of the art remediation processes. **Kalderis D**., Juhasz A., Boopathy R., Comfort S. 11th International UFZ-Deltares/TNO Conference on Management of Soil, Groundwater and Sediment, Salzburg 22-24th of September 2010 (C11).
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2. Co-convener of Session SSS5.10 – Future challenges in biochar research, Soil System Sciences Division, EGU 2015, 12-17th of April 2015, Vienna, Austria

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am: Acta Materialia
apsusc: Applied Surface Science
arabjc: Arabian Journal of Chemistry
bite: Bioresource Technology
cej: Chemical Engineering Journal
chem: Chemosphere
colsua: Colloids and Surfaces A: Physicochemical and Engineering Aspects
colsub: Colloids and Surfaces B: Biointerfaces
des: Desalination
foodchem: Food Chemistry
hazmat: Journal of Hazardous Materials
indcro: Industrial Crops and Products
jaap: Journal of Analytical and Applied Pyrolysis
jalcom: Journal of Alloys and Compounds
jece: Journal of Environmental Chemical Engineering
jelechem: Journal of Electroanalytical Chemistry
jfue: Fuel
jggc: International Journal of Greenhouse Gas Control
jiec: Journal of Industrial and Engineering Chemistry
jtice: Journal of the Taiwan Institute of Chemical Engineers
psep: Process Safety and Environmental Protection
saa: Spectrochimica Acta Part A: Molecular and Biomolecular Spectroscopy
stoten: Science of the Total Environment
ultson: Ultrasonics Sonochemistry