

ATHENS 2017 Conference
Selected Papers for:
ENVIRONMENTAL SCIENCE & POLLUTION RESEARCH

1. J. Galba Busato, C. Moreira de Carvalho, D. Basilio Zandonadi, F. Fabríz Sodr , A. Ribeiro Mol, A. Lima de Oliveira, R. Diana Navarro, Recycling of wastes from fish beneficiation by composting: chemical characteristics of the compost and efficiency of their humic acids in stimulating the growth of lettuce
2. S. Vakalis, C. Caligiuri, K. Moustakas, D. Malamis, M. Renzi, M. Baratieri, Modelling the emissions of a dual fuel engine coupled with a biomass gasifier – Supplementing the Wiebe model
3. N. Abidi, J. Duplay, A. Jada, E. Errais, K. Semhi, M. Trabelsi-Ayadi, Removal of Anionic Dye from Textile Industries' Effluents by using Tunisian clay as adsorbent. Electrophoretic and Streaming potential investigation
4. Hang Liu, Chengjun Pu, Xiaolu Yu, Ying Sun, Junhao Chen, Removal of tetracyclines, sulfonamides and quinolones in different types of composting / digesting processes
5. S. al k, E.  zgen, A.E. Yılmaz, O. Sozudođru, T.M. Massara, E. Katsou, O.T. Komesli, Removal of heavy metals with Membrane Bioreactor Combined with Activated Carbon
6. M. Spinelli, V. Vasilaki, E. Katsou, A. L. Eusebi, F. Fatone, Dynamics of GHG emissions from a typical full-scale WWTP in Italy
7. X. Zeng, A.P. Borole, S. G. Pavlostathis, Processes and Electron Flow in a Microbial Electrolysis Cell Bioanode Fed with Furanic and Phenolic Compounds
8. M.A. Stylianou, A. Agapiou, M. Omirou, I. Vyrides, I. M. Ioannides, G. Maratheftis, D.A. Fasoula, Potential environmental applications of spent coffee grounds
9. A. Chrysargyris, N. Charalambous, A. Tzionis, M. Prasad, N. Tzortzakis, Alternative soilless media using olive-mill and paper-mill wastes for growing ornamental plants
10. V. Oliveira, L.M. Ottosen, J. Labrincha, C. Dias-Ferreira, Recovery of phosphorus from digestates of municipal solid wastes using electro-dialytic extraction and chemical precipitation
11. T. Alsamad, L. Mazoni, M. Almazrouei, I. Janajreh, Assessment of Thermochemical Conversion of Glycerol: Pyrolysis vs Steam and CO₂ Moderazione
12. C. Vavva, E. Voutsas, K. Magoulas, Chemical stabilization of municipal solid waste incineration fly ash
13. P. A. Milani, G. Labuto, E. N. V. M. Carrilho, Sorption of Cu(II), Fe(II), Zn(II) and Mn(II) from aqueous medium using lettuce roots and sugarcane bagasse

14. P. A. Milani, J. L. Consonni, K. B. Debs, G. Labuto, E. N. V. M. Carrilho, Characterization and use of solid wastes for metal ions sorption from aqueous medium
15. D. Sarigiannis, S.P. Karakitsios, A. Gotti, Health Risk From Accidental Fire In A Plastics Recycling Facility
16. V. Panaretou, S. Vakalis, A. Ntolka, K. Moustakas, D. Malamis, M. Loizidou, Study of carbon balances from organic waste in a decentralized composting facility
17. A. P. Galvín, A. Barbudo, J. Ayuso, M. Cabrera, Upscaling the pollutant emission from mixed recycled aggregates under compaction for civil applications
18. C. Tsakalou, P.E. Tsakiridis, Characterization and Leachability Evaluation of Fly and Bottom Ashes Generated During Incineration of Medical Wastes
19. A. R. Ferreira, P. Guedes, E. P. Mateus, N. Couto, A. B. Ribeiro, Electrokinetic technology applied to PPCPs removal from effluent - feasibility assessment
20. L. Lombardi, E. Carnevale, I. Pecorini, Biogas upgrading by wood combustion ash accelerated carbonation
21. J. Yongpisanphop, S. Babel, Assessment of Pb accumulation in roots of fast-growing trees inoculated with endophytic bacteria: Hydroponic culture
22. E. Ntinoudi, E. Pantazopoulou, H. Yiannoulakis, Th. Zampetakis, A.I. Zouboulis, Stabilization of heavy metals in solid industrial wastes, by using low-grade magnesia, Portland and Sorel cements
23. P.F. Rupani, A. Embrandiri, M. H. Ibrahim, A.K.M. Omar, C.T. Lee, Effects of different vermicompost extracts of palm oil mill effluent and palm pressed fibre mixture on seed germination of Mung bean and its relative toxicity
24. J. A. Martínez, A. S. Caballero G., D. L. Restrepo S., C. A. Cardona, Techno-economic and environmental evaluation for the biogas production from banana peel in a biorefinery concept (*Musa paradisiaca*)
25. E.M. Bartholameuz, J.P.A. Hettiaratchi, S.S. Gunasekera, H. Farokhzadeh, High-rate Methanotrophic Biofiltration (HMBF) Technology to Minimize Atmospheric Emission of Greenhouse Gas
26. S. Serna, A. Martínez, Y. Pisarenko, C. A. Cardona, Integral use of plants and their residues: the case of cocoyam (*Xanthosoma sagittifolium*) conversion through biorefineries at small-scale
27. A. López-Uceda, A. P. Galvín, J. Ayuso, J.R. Jiménez, T. Vanwalleghem, Experimental risk assessment of Extensive Green Roofs with fine fraction of mixed recycled aggregates from construction and demolition waste
28. M. Contreras, M.J. Gázquez, J.P. Bolívar, Valorisation of ilmenite mud in commercial cements manufacturing

29. A. Pivato, M.C. Lavagnolo, R. Raga, F. Garbo, M. Moretto, R. Cossu, Energy crops applied to landfills: Functional, environmental and cost analysis
30. R.N. Montagnoli, P.R.M. Lopes, E.D. Bidoia, Fluorinated Waste and Firefighting Activities: Biodegradation of Halogenated Foams from Petrochemical Refinery Soil
31. D. A. Agar, M. Kwapinska, J.J. Leahy, Pyrolysis for the Valorisation of Sludge and MSW Organic Fines – Reactor Characterisation and Product Distribution
32. M. Mikos-Szymańska, P. Rusek, K. Borowik, M. Rolewicz, J. Gluzińska, Characterisation of drilling wastes from shale gas industry and their use in soil amendment production technology
33. P. Kousi, E. Remoundaki, A. Hatzikioseyan, M. Tsezos, Mineralogy and granulometry of biogenic sulphidic sludge
34. A.G. Capodaglio, A. Callegari, D. Dondi, Properties and beneficial uses of biochar from sewage sludge pyrolysis
35. N. Ttofali, I. Voukkali, A. A. Zorpas, How airlines affect solid waste production through in-flights
36. F. Kaldis, D. Cysneiros, A. Chatzifragkou, A. Karatzas, Thermal and high pressure pretreatment with steam explosion of lignocellulosic substrates prior to anaerobic digestion
37. G. Bartzas, K. Komnitsas, Energy Flow analysis of irrigated pistachio production in Aegina, Greece
38. E. Iacovidou, N. Voulvoulis, Sustainable food waste management: A Multi-Criteria approach for assessing the use of food waste disposal units (FWDS) and the anaerobic co-digestion of separately collected food waste with sewage sludge
39. M. Waqas, R. Minadad, M. Rehan, A.S. Aburizaiza, M.A. Barakat, A.S. Nizami, The Untapped Potential of Biochar in Waste to Energy Technologies
40. G. Meylan, A. Lai, J. Hensley, M. Stauffacher, P. Krütli, Solid waste management in the Seychelles
41. A. Papadaki, N. Kopsahelis, M. Patsalou, M. Koutinas, A. Machado de Castro, S. Papanikolaou, A.A. Koutinas, Fumaric acid production through valorization of molasses and soybean cake derived from biodiesel and sugarcane industries
42. O. Hammoud, D. Blanc, M. Lupsea-Toader, C. de Brauer, Influence of chemical pre-treatment on the leaching behaviour of bottom ash
43. K. Papanikola, K. Papadopoulou, C. Tsiligiannis, I. Fotinopoulou, A. Katsiampoulas, E. Chalarakis, M. Georgiopoulou, V. Rontogianni, I. Mixalopoulos, G. Lyberatos, Food Residue Biomass Product as an Alternative Energy Source for the Cement Industry

44. P. Fatemeh Rupani, A. Embrandiri, L. Vandana Teki, K. Hossain, N. Naha Abu Mansor, C. T. Lee, Current Scenario of the Indian municipal solid waste handling rules