

CYPRUS 2016 4th International Conference on

Sustainable Solid Waste Management

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SPECIAL ISSUE OF WASTE AND BIOMASS VALORIZATION

SELECTED PAPERS

1. S. Vakalis, M. Boschiero, K. Moustakas, A. Sotiropoulos, D. Malamis, S. Zerbe, M. Baratieri, Statistical entropy analysis of heavy metals from combustion of agricultural waste in a commercial boiler (Italy, Greece)
2. S. Hemidat, A. Nassour, M. Nelles, Minimizing Operational Cost for Solid Waste Collection through Route Optimization (Germany)
3. H. Giani, R. Fidalgo Estevez, S. Kaufeld, M. Althaus, T. Pretz, Technical-economic evaluation of an advanced MBT process to enrich biomass as renewable fuel (Germany)
4. I. Michalopoulos, D. Chatzikonstantinou, D. Mathioudakis, I. Vaiopoulos, A. Tremouli, M. Georgiopolou, K. Papadopoulou, G. Lyberatos, Evaluating livestock manure for biogas and electricity production (Greece)
5. A. Mattioli, D. Boscaro, F. Dalla Venezia, F. Correale Santacroce, A. Pezzuolo, L. Sartori, D. Bolzonella, Biogas from residual grass: a territorial approach for sustainable bioenergy production (Italy)
6. P. Charalambous, I. Vyrides, Anaerobic co-digestion of Fats, Oils and Grease (FOG) with Sewage Sludge: Effect of pre-treatment methods on FOG for enhanced biogas production (Cyprus)
7. A. Zerva, L.-M. Papaspyridi, G. Mousavi, P. Christakopoulos, E. Topakas, Isolation of β -glucans from selected Basidiomycetes strains grown in olive oil mill wastewater (Sweden, Greece)
8. M. Jeguirim, A. Zorpas, N. Kraiem, M. Lajili, Y. Leva, L. Limousy, Chemometric analysis for the relationship between mineral contents and particle matter distribution during pellets combustion (France)
9. A. Djukic-Vukovic, D. Mladenovic, J. Pejcin, L. Mojovic, Strategies for valorisation of wastes from bioethanol production– lactic acid and probiotics as added value products (Serbia)

10. M. Noorul Hussain, I. Janajreh, Numerical Modelling of Sonicated, Continuous Transesterification and Evaluation of Reaction Kinetics for Optimizing Biodiesel Reactor Design (United Arab Emirates)
11. G. Mancini, F.G. Nicosia, A. Luciano, P. Viotti, D. Fino, An approach to islands' self-contained waste management system with the goal of maximizing the recovery while limiting transportation costs (Italy)
12. M. Collard, B. Teychené, L. Lemée, Comparison of the impact of three drying processes on the characteristics of wastewater sludge (France)
13. Ge Hao Yang, Ta Yeong Wu, Yu-Loong Loow, Application of deep eutectic solvents in biomass valorization (Malaysia)
14. D. San Martin, M. Orive, E. Martínez, B. Iñarra, N. Gonzalez, A. Guinea de Salas, A. Vázquez, J. Zufía, GIS & Multi-criteria based help-decision tool for food waste valorisation in the Basque Country (Spain)
15. P. Guedes, N. Couto, E. Mateus, L. M. Ottosen, A. B. Ribeiro, Electrodialytic valorisation of sewage sludge and its ashes – potential of phosphorus recovery (Portugal, Denmark)
16. D. Orthodoxou, T.R. Pettitt, S.R. Smith, Physicochemical and microbiological parameters influencing the small-scale in-vessel composting of food waste (UK)
17. A. Sotiropoulos, D. Alamanou, D. Malamis, D. Kekos, M. Loizidou, Evaluation of an innovative pilot system for the conversion of biowaste into bioethanol (Greece)
18. M. Ramos, A. P. Soares Dias, M. T. Santos, S. Santos, J. F. Puna, J. F. Gomes, J. C. Bordado, Calcium rich food wastes based catalysts for biodiesel production (Portugal)
19. A. Smoliński, N. Howaniec, Chemometric modelling of experimental data on co-gasification of bituminous coal and biomass to hydrogen-rich gas (Poland)
20. J.J. Chávez-Fuentes, A. Capobianco, M. Czölderová, M. Hutňan, Manure from our agricultural animals: A quantitative and qualitative analysis focused on biogas production (Slovakia, Italy)
21. C. Sun, R. Liu, G. Qin, K. Li, Optimization of Sodium Hydroxide Pretreatment Conditions to Improve Biogas Production from Asparagus Stover (China)
22. K. Chojnacka, M. Samoraj, I. Michalak, Valorization of biomass into micronutrient fertilizers (Poland)
23. J.J. Montoya, F. Alatríste-Mondragón, D.K. Villa-Gómez, Evaluation of pretreatment methods for the anaerobic digestion of bean straw (Australia, Mexico)