

CURRICULUM VITAE

Dr. Fountoulakis Michail, Chemical Engineer
Assistant Professor, Department of Environment, University of the
Aegean

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PERSONAL DETAILS

Date of birth: 12/01/1978
Place of birth: Heraklion, Crete
Address: Agia Marina, 81100 Mytilene
Telephone: +30 22510 36288
e-mail: fountoulakis@env.aegean.gr



A. EDUCATION

Post-Doctoral Research, Department of Agriculture, Technological and Educational Institute of Crete, Greece (2008)

Ph.D, Department of Chemical Engineering, University of Patras, Greece (2005)

Diploma, Department of Chemical Engineering, University of Patras, Greece (2001)

B. PROFESSIONAL ACTIVITY

2018- Up to date Assistant Professor, Department of Environment, University of the Aegean

2006-2017 Researcher, Department of Agriculture, Technological & Educational Institute of Crete

C. RESEARCH INTEREST

Environmental Biotechnology

- Anaerobic digestion
- Conventional (activated sludge) and non-conventional (membrane bioreactor, SBR, RBC) wastewater treatment systems
- Microbial fuel cells

Ecological Engineering

- Constructed wetlands
- Ecosystem restoration
- Nature based solutions for water
- Phytoremediation

D. RESEARCH PROJECTS

More than 20 National and International (EEA Grants, LIFE, Interreg, FP7) research projects about waste and wastewater treatment.

List of some projects:

1. Development of a hybrid constructed wetland for wastewater treatment in small and decentralized communities. (2006-2007) funded by Greek General Secretariat for Research and Technology (GSRT) (PABET)
2. Correlating Pollution build up in highway runoff with quantity and quality of traffic (2007-2008) funded by GSRT (PABET)
3. From treated wastewater to alternative water resources in semi-arid region. (2010-2012) funded by EC (LIFE+, Environment)
4. Innovation Centre of Crete emphasizing the Management of Natural Resources (2011-2012) funded by EEA Grants
5. Operation and Monitoring of constructed wetlands treating domestic wastewater (2012-2013) funded by EU (FP7-MINOTAURUS)
6. Urban Development and Water Infrastructure: Towards innovative decentralized urban water management (2012-2015) funded by GSRT (THALIS-HYDROPOLIS)
7. Integrate Water Management in Urban Housing Units (2014-2015) funded by GSRT (PABET)
8. Integrating bio-treated wastewater with enhanced water use efficiency to support the Green Economy in EU and India (2014-2016) funded by EU (FP7-WATER4CROPS)
9. Innovative solutions to climate change adaptation and governance in the water management of the Region of Crete – AQUAMAN (2016-2017) funded by EEA Grants
10. Domestic wastewater treatment and reuse by using innovative natural treatment systems (2014-2015) funded by EU and Greek Government (AgroETAK)

E. TEACHING

2018- Up to date. Department of Environment, University of the Aegean:

- 1.«Restoration of polluted ecosystems»
2. «Environmental Biotechnology»
3. «Natural treatment systems»
4. «Ecological Engineering» master course

2007-2017. Department of Agriculture, Technological Educational Institute of Crete:

1. «Waste and wastewater treatment»
2. «Energy and agriculture»
3. «Agricultural waste management»

Supervision of more than 10 undergraduate and 5 postgraduate thesis

F. PUBLICATIONS

Scientific Journals

Peer review journals: 37

Conferences

- International 50
- National 3

G. CITATIONS

Citations

Scopus: 1264

Google scholar: 1898

Δείκτης Hirsch

h-index: 17 (scopus, google scholar)

H. PATENTS

Inventor in European patent under Rule 19 (3) EPC, Title : Marine vessel based system and method of managing municipal solid waste.

I. REVIEWER OF THE SCIENTIFIC JOURNALS

1. Biodegradation, 2. Journal of Hazardous Materials, 3. Resources, Conservation & Recycling, 4. Waste Management, 5. Water Research, 6. Bioresource Technology, 7. Waste and Biomass Valorization, 8. Biofuels, 9. Biomass & Bioenergy, 10. Ecological Engineering, 11. Science of the Total Environment

I. PUBLICATIONS

Journals with peer review

1. Fountoulakis M., Dokianakis S., Kornaros M., Aggelis, G.G., Lyberatos G. (2002) Removal of phenolics in olive mill wastewaters using the white-rot fungus *Pleurotus ostreatus*. *Water Research*. **36**, 4735-4744.
2. Stamatelatos K., Frouda C., Fountoulakis M.S., Drillia P., Kornaros M. and Lyberatos G., (2003), "Pharmaceuticals and health care products in wastewater effluents: the example of carbamazepine", *Water Supply*, **3 (4)**, 131-13.
3. Fountoulakis M., Drillia P., Stamatelatos K, Lyberatos G, Toxic Effect of pharmaceuticals on methanogenesis. (2004) *Water Science and Technology*. **50(5)**, 335-340.
4. Fountoulakis M., Drillia P., Pakou C., Kampioti A., Stamatelatos K. and Lyberatos G. (2005). Analysis of Nonylphenol and Nonylphenol Ethoxylates in sewage sludge by HPLC following Microwave-Assisted Extraction. *Journal of Chromatography A*, **1089(1)**, 45-51.
5. Fountoulakis, M., Stamatelatos, K. and Lyberatos, G. (2005) "Simulation of DEHP biodegradation and sorption during the anaerobic digestion of secondary sludge". *Water Science and Technology* **54(4)**, 119-128.
6. Drillia P, S.N. Dokianakis, M.S. Fountoulakis, M. Kornaros, K. Stamatelatos and G. Lyberatos. (2005). On the occasional biodegradation of pharmaceuticals in the

- activated sludge process: The example of the antibiotic sulfamethoxazole. *Journal of Hazardous Materials*, **122**(3), 259-265.
7. Pakou C., Fountoulakis M., Drillia P., Kampioti A., Stamatelatou K. and Lyberatos G. (2007). Occurrence and fate of polycyclic aromatic hydrocarbons in sewage treatment plants using microwave-assisted extraction followed by liquid chromatography coupled with fluorescence detector. *Fresenius Environmental Bulletin*, **16**(2), 1-6.
 8. Dokianakis S., Fountoulakis M., Kornaros M., Lyberatos G. (2007). Biological wastewater treatment for ships equipped with vacuum sewage systems. *Fresenius Environmental Bulletin*. **16**(12),
 9. Fountoulakis M., Drakopoulou S., Terzakis S., Georgaki I. and T. Manios. (2008). Potential for methane production from typical Mediterranean agro-industrial wastes. *Biomass & Bioenergy*, **32**, 155-161.
 10. Fountoulakis M., Stamatelatou K., and G. Lyberatos. (2008). The effect of pharmaceuticals on the kinetics of methanogenesis and acetogenesis. *Bioresource Technology*, **99**, 7083-7090.
 11. Terzakis S., Fountoulakis M., Georgaki I., Albantakis D., Sabathianakis I., Karathanasis A. and T. Manios. (2008). Constructed wetlands treating highway runoff in the central Mediterranean region. *Chemosphere*, **72**, 141-149.
 12. Fountoulakis M., Terzakis S., Georgaki I., Drakopoulou S., Sabathianakis I., Kouzoulakis M. and T. Manios. (2008). Oil refinery sludge and green waste simulated windrow composting. *Biodegradation*, **20** (2) 177-189.
 13. Kyriacou, A., Drakopoulou, S., Georgaki, I., Fountoulakis, M., Mitsou, E., Lasaridi, K.E., Manios, Y., Manios, T. (2009). Screening for faecal contamination in primary schools in Crete, Greece. *Child: Care, Health Development*, **35** (2) 159-163.
 14. Drakopoulou, S., Terzakis, S., Fountoulakis, M., Mantzavinos, D., Manios, T. (2009). Ultrasound-induced inactivation of gram-negative and gram-positive bacteria in secondary treated municipal wastewater. *Ultrasonic Sonochemistry*, **16** (5), 629-634.
 15. Manios, T., Fountoulakis, M., Karathanassis A.D. (2009) Construction simplicity and cost as selection criteria between two types of constructed wetlands treating highway runoff. *Environmental Management*, **43**, 908-920.
 16. Fountoulakis, M.S., Terzakis, S., Chatzinotas, A., Brix, H., Kalogerakis, N., Manios, T. (2009) Pilot scale comparison of constructed wetlands operated under high hydraulic loading rates and attached biofilm reactors for domestic wastewater treatment. *Science of the Total Environment*, **407** (8), 2996-3003

17. Fountoulakis, M.S., Manios, T. (2009) Enhanced methane and hydrogen production from municipal solid waste and agro-industrial by-products co-digested with crude glycerol. *Bioresource Technology*, **100** (12), 3043-3047.
18. Fountoulakis, M.S., Terzakis, S., Kalogerakis, N., Manios, T. (2009) Removal of polycyclic aromatic hydrocarbons and linear alkylbenzene sulfonates from domestic wastewater in pilot constructed wetlands and a gravel filter. *Ecological Engineering*, **35**, 1702-1709.
19. Fountoulakis, M.S. Makridis, L., Pirounaki, E.K., Chroni, C. Kyriacou, A., Lasaridi, K., Manios, T. (2010) Fate and effect of Linuron and Metribuzin on the co-composting process of green waste and sewage sludge. *Waste Management*, **30**, 41-49.
20. Fountoulakis, M.S., I. Petousi, Manios, T. (2010) Co-digestion of sewage sludge with glycerol to boost biogas production. *Waste Management*, **30**, 1849-1853.
21. Lasaridi, K., Katsabanis, G., Kyriacou, A., Maggos, T., Manios, T., Fountoulakis, M., Kalogerakis, N., Stentiford, E.I. (2010) Assessing odour nuisance from wastewater treatment and composting facilities in Greece. *Waste Management & Research*, **28**, 977-984.
22. Terzakis, S., Chatzinotas, A., Papageorgiou, N., Fountoulakis, M., Manios, T., Kalogerakis, N. 2010. Comparison of nitrifying, denitrifying, and overall microbial communities in two constructed wetlands and two compact attached biomass reactors treating domestic wastewater. *Journal of Biotechnology*, **150S**, 38.
23. Petousi, I., Stavroulaki, N., Fountoulakis, M.S., Papadimitriou, M., Stentiford, E.I., Manios, T. (2013) Application of treated wastewater for cultivations of carnations. *Water Practice Technology*, **8**, 457-460.
24. Petousi I., Fountoulakis M.S., Tzortzakis N., Dokianakis, S., Stentiford, I., Manios T. (2014) Occurrence of micro-pollutants in a soil-radish system irrigated with several types of treated domestic wastewater. *Water, Air & Soil Pollution*, **225**, 1791-1798.
25. Fountoulakis, M.S., Dokianakis, S.N., Daskalakis, G., Manios, T. (2014) Fermentative Hydrogen Production from Carob Pod: A Typical Mediterranean Forest Fruit. *Waste & Biomass Valorization*, **5**, 799-805.
26. Petousi I., Fountoulakis M.S., Saru M.L., Nikolaidis N., Fletcher, L., Stentiford, I., Manios T. (2015) Effects of reclaimed wastewater irrigation on olive (*Olea europaea* L. cv. 'Koroneiki') trees. *Agricultural Water Management*, **160**, 33-40.
27. Petousi, I., Fountoulakis, M.S., Stentiford, E.I., Manios, T. (2015). Farmers' Experience, Concerns and Perspectives in Using Reclaimed Water for Irrigation in a Semi-Arid Region of Crete, Greece. *Irrigation and Drainage*, **64**, 647-654.

28. Markakis, M., Fountoulakis, M.S., Daskalakis, G., Kokkinis, M., Ligoxigakis, E.K. (2016). The suppressive effect of compost amendments on *Fusarium oxysporum f.sp. radices-cucumerinum* in cucumber and *Verticillium dahliae* in eggplant. *Crop Protection*, **79**, 70-79.
29. Fountoulakis, M.S., Petousi, I., Markakis, N., Manios, T. (2016). Single house on-site grey water treatment using a submerged membrane bioreactor for toilet flushing. *Science of the total Environment*, **551-552**,706-711.
30. Maragkaki, A.E., Fountoulakis, M. Gypakis, A., Kyriakou, A., Lasaridi, K., Manios T. (2016) Pilot-scale anaerobic co-digestion of sewage sludge with agro-industrial by-products for increased biogas production of existing digesters at wastewater treatment plants. *Waste Management*, **59**, 362-370.
31. Fountoulakis, M.S., Sabathianakis, G., Kritsotakis, I., Kabourakis, E.M., Manios, T. (2017). Halophytes as vertical-flow constructed wetland vegetation for domestic wastewater treatment. *Science of the total Environment*, 583, 432-439.
32. Fountoulakis, M.S., Daskalakis, G., Papadaki, A., Kalogerakis, N., Manios, T. (2017). Use of halophytes in pilot-scale horizontal flow constructed wetland treating domestic wastewater. *Environmental Science and Pollution Research* 24(20), 16682-16689
33. Maragkaki, A.E., Fountoulakis, M., Kyriakou, A., Lasaridi, K., Manios, T. (2018). Boosting biogas production from sewage sludge by adding small amount of agro-industrial by-products and food waste residues. *Waste Management*, 71, 605-611
34. Maragkaki, A.E., Vasileiadis, I., Fountoulakis, M., Kyriakou, A., Lasaridi, K., Manios, T. (2018). Improving biogas production from anaerobic co-digestion of sewage sludge with a thermal dried mixture of food waste, cheese whey and olive mill wastewater. *Waste Management*. 71, 644–651.
35. Galliou, F., Markakis, N., Fountoulakis, M.S., Nikolaidis, N., Manios, T. (2018). Production of organic fertilizer from olive mill wastewater by combining solar greenhouse drying and composting. *Waste Management*, 75, 305-311.
36. Petousi, I., Daskalakis, G., Fountoulakis, M.S., Lydakakis, D., Fletcher, L., Stentiford, E.I., Manios, T. (2019). Effects of treated wastewater irrigation on the establishment of young grapevines. *Science of the Total Environment*, 658, 485-492.
37. Demetropoulou, L., Lilli, M.A., Petousi, I., Nikolaou, T., Fountoulakis M., Kritsotakis, M., Panakoulia, S., Giannakis, G., Manios, T., Nikolaidis, N.P. (2019). Innovative methodology for the prioritization of the Program of Measures for integrated water resources management of the Region of Crete, Greece. *Science of the Total Environment*, 672, 61-70.

Conferences

1. Lyberatos, G., Dokianakis, S., Fountoulakis, M., Kornaros M., Karantzis K. and E. Polychronopoulou. (2001) “*Biological Treatment of sewage from ships using*

- SBR technology*”, Oral presentation at the Proc. International Conference. “ Shipping : Technology and Environment ”, Piraeus.
2. Fountoulakis M., Stamatelatu K. and G. Lyberatos, (2002) “*Impact of Pharmaceuticals on the Anaerobic Digestion Process*”, Poster to the SETAC Europe 12th Annual Meeting, Vienna, Austria, May 12-16.
 3. Stamatelatu K., Frouda C., Fountoulakis M.S., Drillia P., Kornaros M. and Lyberatos G. (2002) “*Pharmaceuticals and health care products in wastewater effluents: the example of carbamazepine*” προφορική παρουσίαση ως ‘keynote presentation’ και δημοσίευση ως ‘full paper’ στα πρακτικά του Regional Symposium on Water Recycling in Mediterranean Region [International Water Association (IWA) Conference], Iraklio, Crete, October 10-13.
 4. Lyberatos G., Stamatelatu K., Kornaros M., Drillia P., Dokianakis S., Frouda C. and Fountoulakis M.S. (2003) “*Impact and Fate of the antibiotic sulfamethoxazole in wastewater treatment and disposal*”. Oral presentation to the 3rd chemical engineering conference for collaborative research in Eastern Mediterranean, May13-15, Thessaloniki, Greece.
 5. Fountoulakis M., Stamatelatu K. and G.Lyberatos. (2003) “*Impact and Biodegradability of Pharmaceuticals on the Anaerobic Digestion Process*”, Oral presentation to SETAC Europe 13th Annual Meeting, Hamburg, Germany, April 27 – May 1.
 6. Σταματελάτου Κ., Δοκιανάκης Σ., Δρίλλια Π., Φουντουλάκης Μ., Φρούντα Κ., Κορνάρος Μ και Λυμπεράτος Γ. (2003) «*Η πορεία των φαρμακευτικών ουσιών μέχρι την εναπόθεση τους στο περιβάλλον: το παράδειγμα της οφλοξακίνης*» 4^ο ΠΣΧΜ, Πάτρα..
 7. Stamatelatu K., S.N. Dokianakis, M. Fountoulakis, C. Frouda, M.E. Kornaros and G. Lyberatos. (2003) «*The effect of a common antibacterial pharmaceutical (triclosan) on biological wastewater treatment processes*», 8th Conference on Environmental Science and Technology, Lemnos – Greece, 8-10 September.
 8. Stamatelatu K., S.N. Dokianakis, M. Fountoulakis, K. Frouda, M.E. Kornaros and G. Lyberatos. (2003) “*On the effect of pharmaceuticals on biological processes*”, ENVIRPHARMA ,European conference on human and veterinary pharmaceuticals in the Environment in Lyon, France, 14-16 April.
 9. Fountoulakis M., Stamatelatu K., Gavala H.N., Skiadas I.V., Kampioti A. and Lyberatos G. (2004) “*Anaerobic digestion of secondary sludge: effect of pre-treatment and post-treatment with the presence of xenobiotics*” Oral presentation at the 10th World Congress on Anaerobic Digestion. Montreal, Canada.
 10. Pakou C., Fountoulakis M., Drillia P., Kampioti A., Stamatelatu K. and Lyberatos G. (2005) “*Microwave-Assisted Extraction- HPLC- FD for the*

- Assessment of the Occurrence and the Fate of the Polycyclic Aromatic Hydrocarbons in Sewage*” Poster presentation at the WasteEng Conference. Albi, France, 17-19 May.
11. Fountoulakis M., Stamatelatu K., Batstone D.J. and Lyberatos G. (2005) “*Modelling of anaerobic digestion kinetics of secondary sludge contaminated with xenobiotic compounds*” Oral presentation at the WasteEng Conference. Albi, France, 17-19 May.
 12. Φουντουλάκης Μ., Πάκου Κ, Μπλίκα Ε, Σταματελάτου Κ, Γαβαλά Χ, Σκιαδάς Ι και Λυμπεράτος Γ. (2005) “ *Τύχη των ξενοβιοτικών ουσιών κατά την επεξεργασία ιλύος*” Προφορική παρουσίαση, 5^ο ΠΣΧΜ, Θεσσαλονίκη.
 13. Fountoulakis M., Stamatelatu K., Batstone D.J. and Lyberatos G. (2005) “*Modelling of anaerobic digesters treating primary and mixed primary and secondary sludge contaminated with xenobiotic compounds*” 4th International. Oral presentation at the Symposium on Anaerobic Digestion of Solid Wastes (ADSW), Copenhagen, Denmark. 31 August- 2 September.
 14. Fountoulakis M., Stamatelatu K. and Lyberatos G. (2005) “*Simulation of DEHP biodegradation and sorption during the anaerobic digestion of secondary sludge*”. Oral presentation at the 1st International Workshop on the Anaerobic Digestion Model 1 (ADM1). Lyngby, Denmark, 4-6 September.
 15. Fountoulakis M., Drillia P., Pakou C., Kampioti A., Stamatelatu K. and Lyberatos G. (2005) “*Fate of nonylphenol and nonylphenol ethoxylates in sewage treatment plants*”. Oral presentation at the 9th Conference on Environmental Science and Technology, Rhodes – Greece, 1-3 September.
 16. Lyberatos G., Stamatelatu K., Fountoulakis M., Pakou C. and Kornaros M. (2006) “*On the Fate of Xenobiotic Compounds during Alternative Methods of Municipal Sludge Treatment*” AICHE Annual Meeting, San Francisco, 12-17 September.
 17. Φουντουλάκης Μ., Γεωργάκη Ε., Τερζάκης Σ., Κατσαράκη Ε., Μανιός Θ. (2007) “ *Παραγωγή μεθανίου από απόβλητα ελαιοτριβείων, οινοποιείων και σφαγείων* ”. Αναρτημένη εργασία, 6^ο ΠΣΧΜ, Αθήνα.
 18. K. Lasaridi, P. Siamandoura, Th. Manios, M. Fountoulakis, E.I. Stediford, A. Kyriacou. (2007) “Biofiltration of odorous Compounds And Other Air Pollutants: Design Parameters and Efficiency Aspects” CEMEPE Conference 24-28 June. Skiathos Island. Greece.
 19. S., Terzakis, M. Fountoulakis, R., Drakopoulou, A., Chatzinotas, N., Kalogerakis, T., Manios. (2007) “Performance of different wastewater treatment processes and pollutants removal at different loadings of primary treated

- municipal wastewater". RAISEBIO, UFZ, Summer school. 23-27 September. Leipzig, Germany.
20. Fountoulakis, M.S. Terzakis, S. Drakopoulou, S. Brix, H, Kalogerakis, N. T. Manios. (2008) Pilot scale constructed wetlands and attached biofilm reactors treating domestic wastewater in central Mediterranean region. Small and Decentralized Water and Wastewater Treatment Units. 2nd conference. 2-4 May, Skiathos, Greece.
 21. S. Terzakis, M.S. Fountoulakis, I. Georgaki, D. Albantakis, I. Sabathianakis, A.D. Karathanasis, N. Kalogerakis, T. Manios. (2008) Removal of heavy metals and polycyclic aromatic hydrocarbons from runoff in pilot constructed wetlands. Small and Decentralized Water and Wastewater Treatment Units. 2nd conference. 2-4 May, Skiathos, Greece.
 22. M. Fountoulakis, M. Sfendouraki, S. Terzakis and T. Manios (2009) Enhanced biogas production of primary sludge co-digested with crude glycerol. CEMEPE Conference 21-26 June. Mykonos Island. Greece.
 23. K. Lazaridi, G. Katsabanis, Th. Maggos, Th. Manios, M. Fountoulakis, N. Kalogerakis, E.I. Stentiford and A. Kyriacou. (2009) Mapping odour nuisance from environmental and industrial installations in Greece. CEMEPE Conference 21-26 June. Mykonos Island. Greece.
 24. L. Makridis, E.K. Pirounaki, M. Fountoulakis, C. Chroni, K. Lazaridi and T. Manios (2009) Fate and effect of herbicides on co-composting process of green waste and sewage sludge. CEMEPE Conference 21-26 June. Mykonos Island. Greece.
 25. Terzakis S., Papageorgiou N., Fountoulakis M., Kalogerakis N., Chatzinotas A. and Manios T. (2009) Nitrifying & denitrifying bacterial communities responses under different applied hydraulic loading rates in constructed wetlands & attached biofilm reactors. 11th Conference of Environmental Science & Technology, 3-5 September, Chania, Greece.
 26. Petousi, I., Fountoulakis, M., Christofaki, I., Atsalinou, A., Albandakis, D., Manios T. 2010. Farmers' acceptability of reusing wastewater for agricultural irrigation in a Cretan region, Crete, Greece. 29 June – 3 July. 7th International Conference ORBIT 2010, Heraklion, Crete, Greece, oral presentation.
 27. Fountoulakis M.S., Dokianakis, S.N., Tzaferou, P., Manios, T. 2010. *Methane production through two stage anaerobic-co-digestion of OFMSW and glycerol.* (2010) 7th International Conference ORBIT, 29 June-3 July, Heraklion, Greece, oral presentation.
 28. Dokianakis, S.N., Fountoulakis, M.S., Polymerou, M., Mpastouna A., Manios, T. *Pre-treatment and methane production potential of carob fruit.* (2010) 7th

- International Conference ORBIT, 29 June-3 July, Heraklion, Greece, oral presentation.
29. Fountoulakis, M.S., Cicek, N., Manios, T. (2010) Use of plastic tubes as bulking agent for the composting of sewage sludge. 7th International Conference ORBIT, 29 June-3 July, Heraklion, Greece, oral presentation.
 30. Petousi, I., Fountoulakis, M., Dokianakis, S. Stentiford, E.I. Manios T. (2011). Opinion of urban and rural population about wastewater reuse for agricultural irrigation in Heraklion, Crete, Greece. 10th Specialized Conference on Small Water and Wastewater Systems & 4th Conference on Decentralized Water and Wastewater International Network. IWA. 18-22 April 2010 Venice, Italy, poster presentation.
 31. Fountoulakis M., Dokianakis, S. Bastas, T. Terzakis, S. Manios, T. (2011) PAHs and LAS mass balance in a free water surface constructed wetland treating domestic wastewater 10th Specialized Conference on Small Water and Wastewater Systems & 4th Conference on Decentralized Water and Wastewater International Network. IWA. 18-22 April 2010 Venice, Italy, poster presentation.
 32. Fountoulakis M., Dokianakis, S., Manios, T. (2011) Long term effect of polycyclic aromatic hydrocarbons in forest soils affected by wildfires. 5th European Bioremediation Conference, 4-7 July, Chania, Greece, poster presentation.
 33. Fountoulakis M., Manios, T. (2012) The Hybrid wastewater treatment system. IWA Regional Conference on Wastewater Purification and Reuse, 28-30 March, Heraklion, Greece, oral presentation
 34. Petousi, I., Stavroulaki, N., Fountoulakis, M., Papadimitriou, M., Stentiford, E.I., Manios, T. (2013) Application of Treated Wastewater for Cultivation of Carnations. IWA Regional Conference on Waste and Wastewater Management, Science and Technology, 26-28 June, Limmasol, Cyprus, poster presentation
 35. Fountoulakis, M., Gyparakis, S., Daskalakis, G., Sabathianakis G., Manios, T. (2013) On-site greywater treatment using SBR technology. IWA Regional Conference on Waste and Wastewater Management, Science and Technology, 26-28 June, Limmasol, Cyprus, oral presentation
 36. Maragkaki A.E, Fountoulakis, M., Lasaridi K, Manios T. (2014) Improved biogas production from sewage sludge by co-digestion with the organic fraction of municipal solid waste". 2nd International Conference on Sustainable Solid waste Management, 12-14 June, Athens, Greece, oral presentation.
 37. Maragkaki A.E, Fountoulakis, M., Lasaridi K, Manios T. (2014) "Pilot-Scale anaerobic co-digestion of sewage sludge and olive mill wastewater for increased

- biogas production”. 9th Conference on Organic Resources and Biological treatment, 26-28 June, Godollo, Hungary, oral presentation.
38. Fountoulakis M.S., Daskalakis, G., Kalogerakis, N., Manios, T. (2014) “Use of constructed wetland planted with halophyte for domestic wastewater treatment”. 11th International Phytotechnologies Conference, Sept. 30 - Oct. 3, Heraklion, Greece, oral presentation
 39. Galliou F, Fountoulakis M., Kritsotakis V, Markoulaki E, Petraki K, Papadaki A, Zampetakis L, Kafetsios K, Kalogerakis N, Markakis G, Manios T. 2015. Constructing an Environmental Sustainability Index of Agricultural Practice in Crete, Greece. 11th International Conference on Environmental, Cultural, Economic, and Social Sustainability, 21-23 January 2015, Copenhagen, Denmark, poster presentation.
 40. Fountoulakis, M., Markakis, G., Petousi, I., Manios T. 2015. Household grey water treatment using a submerged membrane bioreactor. IWA Balkan Young Water Professionals Conference, 10-12 May 2015, Thessaloniki, Greece, oral presentation
 41. Galliou F., Fountoulakis M., Kritsotakis V., Markoulaki E., Petraki K., Papadaki A., Zampetakis L., Kafetsios K., Kalogerakis N., Markakis G., Manios T. 2015. Factors affecting the use of irrigation water from farmers in Crete, Greece. IWA Balkan Young Water Professionals Conference, 10-12 May 2015, Thessaloniki, Greece, poster presentation
 42. Petousi, I., Daskalakis, G., Fountoulakis, M., Papadaki, A., Tsompanidis, C., Dialynas, E., Manios T. 2015. Effect of roofing material on quality of roof-harvested rainwater-correlation with rainfall events. IWA Balkan Young Water Professionals Conference, 10-12 May 2015, Thessaloniki, Greece, poster presentation
 43. Petousi, I., Daskalakis, G., Fountoulakis, M., Papadaki, A., Tsompanidis, C., Dialynas, E., Tzaferou, P., Manios T., 2015. Performance comparison of three compact systems in grey-water treatment, oral presentation. Industrial Waste & Wastewater Treatment & Valorisation Conference, 21 – 23 May 2015, Athens, Greece, oral presentation
 44. Dialynas, E., Fountoulakis, M.S., Manios, T. 2016. An improved autonomous composting unit aiming in the hospitality industry. 10th International Conference on “Circular Economy and Organic Waste”, ORBIT 2016, 25 – 28 May 2016, Heraklion, Greece, oral presentation
 45. Maragkaki, A., Fountoulakis, M., Gypakis, A., Lazaridi, K., Manios, T. 2016. Improved biogas production from sewage sludge by co-digestion with agro-industrial by-products. 10th International Conference on “Circular Economy and

- Organic Waste”, ORBIT 2016, 25 – 28 May 2016, Heraklion, Greece, oral presentation
46. Fountoulakis M., Papadaki, A., Gypakis, A., Manios, T. 2016. Use of slow sand filter as a polishing step for domestic wastewater treatment. 10th International Conference on “Circular Economy and Organic Waste”, ORBIT 2016, 25 – 28 May 2016, Heraklion, Greece, poster presentation
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