

Katerina Stamatelatou

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Education

- 7/12/ 1999: PhD in Chemical Engineering, University of Patras, Greece. Title of thesis: “Optimisation of anaerobic digestion systems”
- July 1994: Diploma of Chemical Engineering, University of Patras, Greece (grade 7.98)
- 1989: Graduated from the “Protipon” Lyceum of Patras, Greece

Scholarship – awards

- Post graduate scholarship from the Institute of Chemical Engineering Sciences during 1994-1998
- Award from the Technical Chamber of Greece for the high performance in the fifth year of graduate studies in the department of Chemical Engineers of University of Patras (1994).
- Award from the Hellenic Foundation of Scholarships for the second position in the rank of introduction in the department of Chemical Engineers of University of Patras in 1989.

Academic career

- 2021-today **Associate Professor on “Environmental technologies for the valorisation of biomass and wastes”** in the Department of Environmental Engineering, Democritus University of Thrace, Research Unit for the development of environmental technologies for the valorisation of biomass and wastes
- 2010-2021 **Assistant Professor on “Environmental Technologies”** in the Department of Environmental Engineering, Democritus University of Thrace, Laboratory of Wastewater Management and Treatment Technologies (Director: prof. A. Aivasidis)
- 2012-today (excluding 2021-2022) **Associate Educational Personnel** in the Postgraduate Program of Studies “Environmental Design of Infrastructure Works”, Hellenic Open University
- 2001 – 2010 **Specialized Technical Laboratory Personnel** Department of Chemical Engineering, University of Patras, Greece
- 1999 – 2010 **Postdoc researcher** Laboratory of Biochemical Engineering and Environmental Technology, Department of Chemical Engineering, University of Patras, Greece
- 1997 **Authorization to pursue the occupation** of Chemical Engineer from Hellenic Technical Chamber

Teaching experience

In the department of Environmental Engineering, Democritus University of Thrace, Greece

- Undergraduate courses “Anaerobic processes for the valorization of wastes and biomass” (2018-2021, 2022-today), “Simulation of bioprocesses in environmental engineering” (2020-2021, 2022-today), “Process control” (co-teaching) (2017 –2021), “Physical Unit Operations” (2009 – 2021, 2022-today), “Chemical and Biochemical Unit Operations” (2009 –2021, 2022-today)

- Postgraduate courses “Chemical and Biochemical Unit Operations” (2010-2013), “Simulation and Control of Wastewater Treatment Units” (2011-today) “Advanced processes for the treatment of wastewater and water reclamation.” (2011-today)

In the postgraduate program of studies “Environmental Design of Infrastructure Works”, Hellenic Open University

- “Technology for Managing Environmental Impacts” (2012-today)

In the department of Chemical Engineering, University of Patras, Greece

- Lab courses for the postgraduate courses “Computers and algorithms”, “Introduction to programming”, “Numerical analysis” (2001-2010)
- Assistance in the undergraduate courses “Laboratory of Organic Chemistry” (1994-1995), “Process Simulation and Control” (1994-1996), “Laboratory of Physical Unit Operations” (1995-1996), “Introduction to personal computers and laboratory” (1996-1997) “Principles of Biochemical” Engineering (1997-1998)

Thesis supervision (on going and completed)

- Undergraduate: 18
- Postgraduate: 31
- PhD: 5

Research interests and experience

My scientific research has been focused on the development of bioprocess and their application for valorizing organic wastes/wastewaters and biomass for the production of energy and materials. Moreover, the bioprocesses are studied as the core technologies in a biorefinery concept which also involves physico-chemical and thermo-chemical processes for the integrated management of biomass and wastes within the circular economy. The study includes the design - operation of bioreactors and the simulation of the processes.

- I am an *editor* in Water Science and Technology.
- I am a *guest editor* of the special issue of Journal of Cleaner production titled “Food Waste: Challenges and Opportunity for the Emerging Bio-Economy” (2018)
- I have been a *Co-Editor of* Sewage Treatment Plants: Economic Evaluation of Innovative Technologies for Energy Efficiency, edited by **K. Stamatelatou** and K. Tsagarakis, IWA publishing 2015, London, UK.
- I am reviewer in the following journals
 - Journal of Hazardous Materials
 - International Journal of Hydrogen Energy
 - Biomass and Bioenergy
 - Waste and Biomass Valorisation
 - Waste Management
 - Renewable Energy
 - Journal of Chemical Technology and Biotechnology
 - International Journal of Environmental Science and Technology
 - Bioresource Technology
 - Energies
 - Sustainability
 - Clean Technologies and Environmental Policy
 - The Science of the Total Environment
 - Journal of Environmental Management
 - Separation Science and Technology
 - Biochemical Engineering Journal
 - Bioprocess and Biosystems Engineering

- I have participated or chair the scientific and/or organizing committees of following international conferences
 - Member of the scientific committee of the 1st international congress on metals in anaerobic biotechnologies, 4th-6th October 2017, Seville, Spain
 - Member of the organizing and scientific committees of the conference of infrastructure asset management and utility bankability, 11th-13rd September, Livorno, Italy
 - Chair of the scientific committee of the international conference « IWA Balkan Young Water Professionals Conference 2015», 10-12 May 2015 Thessaloniki, Greece
 - Member of the scientific committee of the 15th International Conference on Environmental Science and Technology, 31st August - 2nd September 2017, Rhodes, Greece
 - Member of the scientific committee of the 14th International Conference on Environmental Science and Technology, 3-5 September 2015, Rhodes, Greece
 - Chair of the scientific committee and member of of the organizing committee in international conference «Asset management for enhancing energy efficiency in water and waste water systems», April 24-26, 2013, Marbella, Spain.
 - Member of the organizing and scientific committees στο διεθνές συνέδριο «2nd International Conference on Engineering for Waste Valorisation», June 3-5, 2008, Patras, Greece.
 - Member of the organizing and scientific committees «Protection and Restoration of the environment IX», 29 June-3July, 2008, Kefalonia, Greece.
- Panel member for the evaluation of PhD thesis
 - Vicente Pastor Poquet (2018). Experimental and Modeling Assessment of the Main Bio-physical-chemical Mechanisms and Kinetics in High-solids Anaerobic Digestion of Organic Waste, University of Cassino and Southern Lazio, Italy (external reviewer)
 - Nirakar Pradhan (2016). Hydrogen and lactic acid synthesis through capnophilic lactic fermentation by *Thermotoga neapolitana*, University of Cassino and Southern Lazio, Italy (external reviewer)
 - Martha Minale Yeshanew (2016). Enhanced anaerobic digestion of organic solid waste through thermal pretreatment and biofilm based two-stage reactors, University of Cassino and Southern Lazio, Italy (external reviewer)
 - Nikolaos Remmas (2016). Investigation of landfill leachate microbial population and biodegradability, Democritus University of Thrace (member of the 7-member committee)
 - Margarita Darioti (2015). Energy valorization of agro-industrial wastes and sweet sorghum for the production of gaseous biofuels through anaerobic digestion. University of Patras (member of the 7-member committee)
 - Evaggelia Athanasoulia (2014). Process development for anaerobic codigestion of agro-industrial wastewaters with sewage sludge from biological wwtp and by-products utilization. Democritus University of Thrace (member of the 7-member committee).
 - Theofilos Vlassis (2011). Energy valorization processes of glycerol for the production of biogas, biohydrogen and/or electric current through microbial fuel cell, University of Patras (member of the 7-member committee)
- Panel member for the evaluation of research proposals submitted under the call of the Portuguese public funding agency for R&D (FCT) entitled «*Stimulus of Scientific Employment, Individual Support*» in the category of “Environmental Biotechnology and Engineering” (2018-2021)

Publications

I am the coauthor of 51 research papers in peer reviewed journals, 16 book chapters and 70 publications in proceedings of international and national conferences. The total number of citations

excluding self-citations of all authors is 3050 and the h-index is 26. Research papers and book chapters are listed below.

Research papers in international peer reviewed journals

1. *	Kalogiannis, A., Vasiliadou, I.A., Spyridonidis, A., Diamantis, V., Stamatelatou, K. (2022). Biogas production from chicken manure wastes using an LBR-CSTR two-stage system: process efficiency, economic feasibility, and carbon dioxide footprint. <i>Journal of Chemical Technology and Biotechnology</i> , 97 (10), pp. 2952-2961. DOI: 10.1002/jctb.7170
2.	Papirio, S., Trujillo-Reyes, Á., di Perta, E.S., Kalogiannis, A., Kassab, G., Khoufi, S., Sayadi, S., Frunzo, L., Esposito, G., Feroso, F.G., Stamatelatou, K. (2022). Exploring the Biochemical Methane Potential of Wholesale Market Waste from Jordan and Tunisia for a Future Scale-Up of Anaerobic Digestion in Amman and Sfax <i>Waste and Biomass Valorization</i> , 13 (9), pp. 3887-3897. DOI: 10.1007/s12649-022-01790-1
3.	Vasiliadou, I.A., Kalogiannis, A., Spyridonidis, A., Katsaounis, A., Stamatelatou, K. Effect of applied potential on the performance of an electroactive methanogenic biocathode used for bioelectrochemical CO ₂ reduction to CH ₄ (2022) <i>Journal of Chemical Technology and Biotechnology</i> , 97 (3), pp. 643-652. DOI: 10.1002/jctb.6946
4.	Spyridonidis, A., Vasiliadou, I.A., Stamatelatou, K. Effect of Zeolite on the Methane Production from Chicken Manure Leachate (2022) <i>Sustainability (Switzerland)</i> , 14 (4), art. no. 2207, . DOI: 10.3390/su14042207
5.	Diamantis, V., Eftaxias, A., Stamatelatou, K., Noutsopoulos, C., Vlachokostas, C., Aivasidis, A. Bioenergy in the era of circular economy: Anaerobic digestion technological solutions to produce biogas from lipid-rich wastes (2021) <i>Renewable Energy</i> , 168, pp. 438-447. DOI: 10.1016/j.renene.2020.12.034
6.	Eftaxias, A., Diamantis, V., Michailidis, C., Stamatelatou, K. , Aivasidis, A. (2021). The role of emulsification as pre-treatment on the anaerobic digestion of oleic acid: process performance, modeling, and sludge metabolic properties. <i>Biomass Conversion and Biorefinery</i> 11 (2), pp. 251-260. , https://doi.org/10.1007/s13399-019-00600-4 .
7.	Eftaxias, A., Diamantis, V., Michailidis, C. Stamatelatou, K. , Aivasidis, A. (2020). Comparison of anaerobic digesters performance treating palmitic, stearic and oleic acid: determination of the LCFA kinetic constants using ADM1. <i>Bioprocess Biosyst Eng.</i> , 43(7), pp. 1329-1338
8. *	Zhurka, M., Spyridonidis, A., Vasiliadou, I.A., Stamatelatou, K. (2020). Biogas production from sunflower head and stalk residues : Effect of alkaline pretreatment. <i>Molecules</i> , 25 (1), art. no. 164.
9. *	Spyridonidis, A., Vasiliadou, I.A., Akratos, C.S., Stamatelatou, K. (2020). Performance of a full-scale biogas plant operation in greece and its impact on the circular economy. <i>Water (Switzerland)</i> 12(11),3074, pp. 1-19
10.*	A.Spyridonidis, Th. Skamagkis, L. Lambropoulos, K. Stamatelatou (2018). Modeling of anaerobic digestion of slaughterhouse wastes after thermal treatment using ADM1. <i>Journal of Environmental Management</i> , 224 , 49-57.
11.*	S. Marnasidis, K. Stamatelatou , E. Verikouki and K. Kazantzis (2018). Assessment of the generation of empty pesticide containers in agricultural areas. <i>Journal of Environmental Management</i> , 224 , 37-48.
12.*	S. Lithourgidis, K.Stamatelatou . C. A. Damalas (2016). Farmers' attitudes towards common farming practices in northern Greece: implications for environmental pollution. <i>Nutrient Cycling in Agroecosystems</i> , 105(2), 103-116.

13.*	Christodoulou and K. Stamatelatos (2016). Overview of legislation on sewage sludge management in developed countries worldwide. <i>Water Science and Technology</i> . 73(3) 453-462
14.*	Lin C.S.K., Koutinas A.A., Stamatelatos K. , Mubofu E.B., Matharu, A.S., Kopsahelis, N., Pfaltzgraff, L.A., Clark, J.H., Papanikolaou, S., Kwan, T.H. and Luque R. (2014). Current and future trends in food waste valorization for the production of chemicals, materials and fuels: A global perspective. <i>Biofuels, Bioproducts and Biorefining</i> , 8(5), 686-715.
15.*	K. Stamatelatos , N. Giantsiou, V. Diamantis, C. Alexandridis, A. Alexandridis, and A. Aivasidis(2014). Biogas production from cheese whey wastewater: laboratory and full scale studies. <i>Water Science and Technology</i> , 69(6), 1320-1325
16.	T. Vlassis, K. Stamatelatos , G. Antonopoulou and G. Lyberatos (2013) Methane production via anaerobic digestion of glycerol: A comparison of conventional (CSTR) and high-rate (PABR) digesters. <i>Journal of Chemical Technology and Biotechnology</i> , 88(11), 2000-2006.
17.*	C.S.K. Lin, L.A. Pfaltzgraff, L. Herrero-Davila, E.B. Mubofu, S. Abderrahim, J.H. Clark, A.A. Koutinas, N. Kopsahelis, K. Stamatelatos , F. Dickson, S. Thankappan, Z. Mohamed, R. Brocklesby and R. Luque (2013). Food waste as a valuable resource for the production of chemicals, materials and fuels. Current situation and global perspective. <i>Energy Environ. Sci.</i> , 6, 426-464.
18.*	V. Diamantis, A. Khan, S. Ntougias, K. Stamatelatos , A.G. Kapagiannidis and A. Aivasidis (2013). Continuous biohydrogen production from fruit wastewater at low pH conditions. <i>Bioprocess and biosystems engineering</i> , 36(7), 965-974.
19.	T. Vlassis, G. Antonopoulou, K. Stamatelatos and G. Lyberatos (2012). Anaerobic treatment of glycerol for methane and hydrogen production. <i>Global Nest</i> , 14(2), 149-156.
20.*	K. Stamatelatos , G. Antonopoulou, A. Tremouli and G. Lyberatos (2011). Production of gaseous biofuels and electricity from cheese whey. <i>Industrial and Engineering Chemistry Research</i> , 50(2), 639-644.
21.*	M.A. Dareioti, S.N. Dokianakis, K. Stamatelatos , C. Zafiri and M. Kornaros (2010). Exploitation of olive mill wastewater and liquid cow manure for biogas production. <i>Waste Management</i> , 30, 1841–1848.
22.	G. Antonopoulou, K. Stamatelatos , S. Bebelis, and G. Lyberatos (2010). Electricity generation from synthetic substrates and cheese whey using a two chamber microbial fuel cell. <i>Biochemical Engineering Journal</i> , 50, 10–15.
23.	G. Antonopoulou, K. Stamatelatos and G. Lyberatos (2010). Exploitation of rapeseed and sunflower residues for methane generation through anaerobic digestion: The effect of pretreatment. <i>Chemical Engineering Transactions</i> , 20, 253-258.
24.	Ntaikou, C. Kourmentza, E.C. Koutrouli, K. Stamatelatos , A. Zampraka, M. Kornaros and G. Lyberatos (2009). Exploitation of olive oil mill wastewater for combined biohydrogen and biopolymers production. <i>Bioresource Technology</i> , 100, 3724-3730.
25.	C. Pakou, M. Kornaros, K. Stamatelatos and G. Lyberatos (2009). On the fate of LAS, NPEOs and DEHP in municipal sewage sludge during composting. <i>Bioresource Technology</i> , 100, 1634–1642.
26.	N. Venetsaneas, G. Antonopoulou, K. Stamatelatos , M. Kornaros and G. Lyberatos (2009). Using cheese whey for hydrogen and methane generation in a two-stage continuous process with alternative pH controlling approaches. <i>Bioresource Technology</i> , 100, 3713-3737.
27.	E.C. Koutrouli, H. Kalfas, H.N. Gavala, I.V. Skiadas, K. Stamatelatos and G. Lyberatos (2009). Hydrogen and methane production through two-stage mesophilic anaerobic digestion of olive

	pulp. <i>Bioresource Technology</i> ,100, 3718-3723.
28.*	K. Stamatelatou , A. Kopsahelis, P.S. Blika, C.A. Paraskeva and G. Lyberatos (2009). Anaerobic digestion of olive mill wastewater in a periodic anaerobic baffled reactor (PABR) followed by further effluent purification via membrane separation technologies. <i>Chemical Technology and Biotechnology</i> , 84, 909-917
29.*	K. Stamatelatou , C. Kravaris and G. Lyberatos G. (2009). An invariant manifold approach for CSTR model reduction in the presence of multi-step biochemical reaction schemes. Application to anaerobic digestion. <i>Chemical Engineering Journal</i> , 150, 462-475.
30.	P.S. Blika, K. Stamatelatou , M. Kornaros and G. Lyberatos (2009). "Anaerobic digestion of olive mill wastewater", <i>Global Nest</i> , 11(3), 364-372.
31.*	M.A. Dareioti, S.N. Dokianakis, K. Stamatelatou , C. Zafiri and M. Kornaros (2009). Biogas production from anaerobic co-digestion of agroindustrial wastewaters under mesophilic conditions in a two-stage process. <i>Desalination</i> , 248, 891–906.
32.	M. S. Fountoulakis, K. Stamatelatou , and G. Lyberatos (2008). The effect of pharmaceuticals on the kinetics of methanogenesis and acetogenesis. <i>Bioresource Technology</i> . 99(15),7083-7090.
33.	G. Antonopoulou, K. Stamatelatou , N. Venetsaneas, M. Kornaros and G. Lyberatos (2008). Biohydrogen and methane production from cheese whey in a two –stage anaerobic process, <i>Industrial & Engineering Chemistry Research</i> , 47(15), 5227-5233.
34.	Pakou, C., Fountoulakis, M., Drillia, P., Kampioti, A., Stamatelatou, K. , 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. <i>Fresenius Environmental Bulletin</i> , 16 (2), pp. 127-132.
35.	Pakou, C., Stamatelatou, K. , Kornaros, M. and Lyberatos, G. (2007). On the complete aerobic microbial mineralization of linear alkylbenzenesulfonate. <i>Desalination</i> . 215, 198-208.
36.	Fountoulakis, M.S., Stamatelatou, K. , Batstone, D.J., Lyberatos, G. (2006). Simulation of DEHP biodegradation and sorption during the anaerobic digestion of secondary sludge. <i>Water Science and Technology</i> , 54 (4), pp. 119-128.
37.	Kalfas, H., Skiadas, I.V., Gavala, H.N., Stamatelatou, K. , Lyberatos, G. (2006). Application of ADM1 for the simulation of anaerobic digestion of olive pulp under mesophilic and thermophilic conditions. <i>Water Science and Technology</i> , 54 (4), pp. 149-156.
38.	Schmidt, J.E., Christensen, N., Batstone, D.J., Trably, E., Lyberatos, G., Stamatelatou, K. , Kornaros, M., Metzger, L., Amellal, N., Watson, J., García, K., Ayuso, S., Patureau, D. (2006). Safe recycling of sewage sludge on agricultural land-biowaste. <i>Process Safety and Environmental Protection</i> , 84 (4 B), pp. 253-257.
39.	P. Drillia, Stamatelatou K. and Lyberatos G. (2005), Fate and mobility of pharmaceuticals in solid matrices. <i>Chemosphere</i> ,60, 1034-1044.
40.	P.Drillia, S.N.Dokianakis, M.S.Fountoulakis, M.Kornaros, K.Stamatelatou and G. Lyberatos (2005). On the occasional biodegradation of pharmaceuticals in the activated sludge process: the example of the antibiotic sulphamethoxazole. <i>Journal of Hazardous Materials</i> , 122, 259-265.
41.	M. Fountoulakis, P. Drillia, C. Pakou, A. Kampioti, K. Stamatelatou and G. Lyberatos (2005). Analysis of nonylphenol and nonylphenolethoxylates in sewage sludge by high performance liquid chromatography following microwave-assisted extraction. <i>J. Chromatography A</i> , 1089, 45-51

42.	Fountoulakis, M., Drilla, P., Stamatelatou, K. , Lyberatos, G. (2004). Toxic effect of pharmaceuticals on methanogenesis. <i>Water Science and Technology</i> , 50(5), 335-340.
43.*	Stamatelatou K. , Skiadas I. and Lyberatos G. (2004). On the behaviour of the periodic anaerobic baffled reactor (PABR) during the transition from carbohydrate to protein-based Feedings, <i>Bioresource Technology</i> , 92(3), 321-326
44.*	K. Stamatelatou , K. Dravillas and G. Lyberatos, (2003). Methane production from sweet sorghum residues via a two-stage process. <i>Water Science & Technology</i> , 48 (4), 235–238
45.*	K. Stamatelatou , V. Vavilin and G. Lyberatos, (2003). Performance of a glucose fed periodic anaerobic baffled reactor under increasing organic loading conditions: 1. Experimental results. <i>Bioresource Technology</i> , 88(2), 131-136.
46.*	K. Stamatelatou , L. Lokshina, V. Vavilin and G. Lyberatos, (2003). Performance of a glucose fed periodic anaerobic baffled reactor under increasing organic loading conditions: 2. Model prediction". <i>Bioresource Technology</i> . 88(2), 137-142.
47.*	K. Stamatelatou , C. Frouda, M.S. Fountoulakis, P. Drilla, M. Kornaros and G. Lyberatos, (2003). Pharmaceuticals and health care products in wastewater effluents: the example of carbamazepine. <i>Water Science and Technology:Water Supply</i> , 3 (4), 131–137.
48.*	K. Stamatelatou and G. Lyberatos (2002). Simulation of a Periodic Anaerobic Baffled Reactor (PABR): Steady-state and Dynamic Response. <i>Water Science and Technology</i> , 45(10), 81-86.
49.	H.N. Gavala, H. Kopsinis, I.V. Skiadas, K. Stamatelatou and G. Lyberatos (1999). Treatment of dairy wastewater using a UASBR. <i>Journal of Agricultural Engineering Research</i> , 73, 59-63.
50.	G. Lyberatos, H.N. Gavala and A. Stamatelatou (1997). An integrated approach for management of agricultural industries wastewaters. <i>Nonlinear Analysis, Theory, Methods and Applications</i> , 30, 2341-2351.
51.*	K. Stamatelatou , G. Lyberatos, C. Tsiliogiannis, S. Pavlou, P. Pullammanappallil and S.A. Svoronos (1997). Optimal and Suboptimal Control of Anaerobic Digesters. <i>Environmental Modeling and Assessment</i> , 2, 355-363.

Chapters in books

1. *	Vasiliadou I.A., Gioulounta K. and Stamatelatou K. (2022). Production of Biogas Via Anaerobic Digestion in "Handbook of biofuels production: Processes and technologies (third edition)", Woodhead Publishing Series in Energy, edited by Rafael Luque, Carol Lin, Karen Wilson, Chenyu Du
2.	Weiss, S., Ušćak, S., Guibaud, G., Stamatelatou, K. , Collins, G., Esposito, G., Paulauskas, V.A., Wardak, C., Mucha, A.P., Savić, D., Stres, B., Feroso, F.G., Yekta, S.S., Lenz, M., Hullebusch, E.D., Çalli, B., & Roussel, J. (2018). Trace element supplementation as a management tool for anaerobic digester operation: benefits and risks : eBook. <i>Water intelligence online</i> , 17, 9781780409429.
3. *	K. Stamatelatou (2017) "Novel biological processes for nutrient removal and energy recovery from wastewater" in <i>Wastewater and Biosolids Management</i> , edited by I. Kalavrouziotis, IWA publishing, London, UK.
4.	E.U. Kiran, K Stamatelatou , G Antonopoulou and G Lyberatos (2016) "Production of biogas via anaerobic digestion", in "Handbook of biofuels production: Processes and technologies (second edition)", Woodhead Publishing Series in Energy, edited by Rafael Luque, Carol Sze Ki Lin, Karen Wilson and James Clark
5. *	K. Stamatelatou (2015). "Anaerobic digestion of sewage wastewater and sludge" in: <i>Sewage Treatment Plants: Economic Evaluation of Innovative Technologies for Energy Efficiency</i> ,

	edited by K. Stamatelidou and K. Tsagarakis, IWA publishing, London, UK.
6. *	K. Stamatelidou , G. Antonopoulou, and P. Michailides (2014) "Biomethane and biohydrogen production via anaerobic digestion/fermentation" in Advances in biorefineries, Woodhead Publishing Limited, UK
7. *	Κ. Αθανασίου και Κ. Σταματελάτου (2013) "Βιοαέριο" στο "Βιοκαύσιμα – Αειφόρος Ενέργεια", ΕΚΔΟΣΕΙΣ ΤΖΙΟΛΑ, Ν. Κάρναβος, Α. Λάμπας, Γ. Μαρνέλλος (Συντάκτες)
8.	K. Stamatelidou , G. Antonopoulou, I. Ntaikou and G. Lyberatos (2012). "The effect of physical, chemical and biological pretreatments of biomass on its anaerobic digestibility and biogas production" in Biogas Production: Pretreatment Methods in Anaerobic Digestion. Scrivener Publishing, USA.
9.	K. Stamatelidou , C Pakou G Lyberatos (2011) "Occurrence, Toxicity, and Biodegradation of Selected Emerging Priority Pollutants in Municipal Sewage Sludge", Comprehensive Biotechnology (6.42), edited by S. Agathos, Elsevier.
10.	G. Tommaso, R. Ribeiro, C.A.F. de Oliveira, K. Stamatelidou , G. Antonopoulou, G. Lyberatos, C. Hodur and J. Csanadi (2011). 'Clean Strategies for the Management of Residues in Dairy Industries- Anaerobic digestion of cheese whey' in "Novel technologies in food science- The impact on products, consumer trends and environment", Anna McElhatton and Paulo José do Amaral Sobral (Eds) Springer Netherlands,
11.	K. Stamatelidou , P.S. Blika, I Ntaikou and G. Lyberatos (2011). 'Integrated management methods for the treatment and/or valorization of olive mill wastes' in "Novel technologies in food science- Their impact on products, consumer trends and environment". Anna McElhatton and Paulo José do Amaral Sobral (Eds) Springer Netherlands
12.	K. Stamatelidou , D. Turley, R. Laybourn, F. Flenet, A. Quinsac, R. Marriott, G. Antonopoulou, G. Lyberatos, A. Rouilly and C. Vaca-Garcia (2011). "Farming and Harvesting" in "Advanced oil crop biorefineries", edited by Abbas Kazmi, RSC publishing, Green Chemistry Series, Cambridge UK.
13.	K Stamatelidou , G Antonopoulou and G Lyberatos (2010) "Production of biogas via anaerobic digestion", in "Handbook of biofuels production: Processes and technologies", Woodhead Publishing Series in Energy No. 15, edited by R Luque, J Campelo and J Clark
14.	G Antonopoulou, I Ntaikou, K Stamatelidou and G Lyberatos (2010) "Biological and fermentative production of hydrogen" in "Handbook of biofuels production: Processes and technologies", Woodhead Publishing Series in Energy No. 15, edited by R Luque, J Campelo and J Clark
15.	Lyberatos G., Gavala H., Kornaros M., Stamatelidou K. and Angelopoulos K. (2004). "Biological production of hydrogen from waste and biomass", in "Resource Recovery and Reuse in Organic Solid Waste Management", IWA Publishing, Ed. Piet Lens, 459-475.
16.	Pind P.F., I. Angelidaki, B.K. Ahring, K. Stamatelidou , G. Lyberatos (2003). "Monitoring and control of anaerobic reactors". In: Biomethanation II, B.K. Ahring, The Technical University of Denmark, Lyngby, Denmark, Springer eds. Advances in biochemical engineering/biotechnology 82 pp. 135-182

Participations in international conferences

1.	Kalogiannis A, Vasiliadou I.A. and Stamatelidou K. " Development of a two-stage anaerobic digestion system for treating fruit and vegetable wastes from open markets" 1st International Conference on Sustainable Chemical and Environmental Engineering, Rethymno, Greece, 31 August to 4 September 2022.
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2.	Spyridonidis A., Vasiliadou I.A. and Stamatelatou K. "Biogas upgrade via ex-situ technologies" 17th International Conference on Environmental Science and Technology, Athens, Greece, 1 to 4 September 2021.
3.	I.A. Vasiliadou, A. Kalogiannis, A. Spyridonidis, A. Katsaounis, K. Stamatelatou "Bioelectrochemical reduction of carbon dioxide to methane" 2nd Online Symposium on Circular Economy and Sustainability, Online Event, Alexandroupolis, Greece, 14-16 July, 2021
4.	Stamatelatou, K. , Nikolaou, I., Martos, A., Rodriguez-Perez S., Esposito, G. "Making value from wastes: valorization of open market wastes in Mediterranean countries", Online Symposium on Circular Economy and Sustainability Alexandroupolis, Greece, 1-3 July, 2020
5.	Spyridonidis, A., Margellou, A., Vasiliadou, I.A., Triantafyllidis, K.S., Stamatelatou, K. "Evaluation of biochemical methane potential from sunflower residues: effect of hydrothermal pretreatment", Online Symposium on Circular Economy and Sustainability Alexandroupolis, Greece, 1-3 July, 2020
6.	Kalogiannis, A., Spyridonidis, A., Vasiliadou, I.A., Stamatelatou, K. "Biogas production from chicken manure wastes using a two-stage LBR-CSTR system: The effect of zeolite as bulking and adsorbing agent", Online Symposium on Circular Economy and Sustainability Alexandroupolis, Greece, 1-3 July, 2020
7.	Spyridonidis A., Zhurka M., Vasiliadou I.A., Lytra V., Stamatelatou K. "Biogas production from sunflower residues: effect of pretreatment" (oral presentation). 16th International Conference on Environmental Science and Technology. Rhodes, Greece, 4 to 7 September 2019.
8.	A. Spyridonidis, I.A. Vasiliadou, K. Athanasiou, K. Stamatelatou. "Effect of zeolite addition on the biogas production from chicken manure leachate" (oral presentation). 16th World Congress on Anaerobic Digestion, 23-27 June 2019, Delft - The Netherlands.
9.	A. Spyridonidis, I.A. Vasiliadou, S. Antonoudis, C. Kivraki, K. Stamatelatou. "Anaerobic digestion of slaughterhouse wastes after hygienization in a continuous two-stage process" (poster presentation). 16th World Congress on Anaerobic Digestion, 23-27 June 2019, Delft - The Netherlands.
10.	A. Spyridonidis, K. Stamatelatou. "Simulation of biogas production from slaughterhouse wastewater in continuously operated anaerobic digesters" (oral presentation). 7th International Conference on Engineering for Waste and Biomass Valorisation, Prague, Czech Republic, July 2-5, 2018.
11.	A. Spyridonidis, S. Antonoudis, C. Kivraki, K. Stamatelatou «Comparison of two and one stage anaerobic digesters for treatment of slaughterhouse wastewaters» (oral presentation). "7th European Bioremediation Conference (EBC-VII)" Chania, June 25-28, 2018
12.	A. Spyridonidis, K. Stamatelatou «Valorisation of agroindustrial residues and biomass for production of biofuels and materials" (poster presentation). "7th European Bioremediation Conference (EBC-VII)" Chania, June 25-28, 2018
13.	A. Spyridonidis, Th. Skamagkis, L. Lambropoulos, K. Stamatelatou. "Anaerobic digestion of animal wastes after rendering in a CSTR – experimental and modeling results" 1st International Congress on Metals in Anaerobic Biotechnologies (poster presentation), pp 134, Seville, Spain, October 4th – 6th , 2017.
14.	A. Spyridonidis, K. Stamatelatou. "Simulation of biogas production from animal wastes after rendering in an anaerobic contact process" 1st International Congress on Metals in Anaerobic Biotechnologies (poster presentation), pp 135, Seville, Spain, October 4th – 6th,

	2017
15.	K. Stamatelatos "Benefits and risks associated sewage reuse in agriculture", WATER CHALLENGES IN XXI CENTURY. IWA conference, Livorno, Italy, 11-13 September 2017
16.	Christodoulou, K. Stamatelatos (2015). Overview of legislation on sewage sludge management (oral presentation), IWA Balkan Young Water Professionals Conference 2015, 10-12 May 2015 Thessaloniki, Greece
17.	P. Michalides and K. Stamatelatos (2014). Fermentation of cheese whey wastewater: profiles of metabolic products in continuously operated bioreactors, 10th International Conference on Renewable Resources and Biorefineries, 4-5-6 June, 2014 - Valladolid, Spain
18.	N. Symeonides, N. Giantsiou and K. Stamatelatos (2014). Effect of zeolite on the anaerobic digestion of pig manure. International Conference on Anaerobic Digestion, Biogas Science, 26th – 30th October 2014, Vienna, Austria.
19.	K. Stamatelatos , N. Giantsiou, V. Diamantis, C. Alexandridis, A. Alexandridis, and A. Aivasidis (2013) Biogas production from cheese whey wastewater: laboratory and full scale studies, International conference on Asset management for enhancing energy efficiency in water and wastewater systems, 24-26 April 2013, Marbella, Spain
20.	Alexandridis, N. Giantsiou, A. Alexandridis and K. Stamatelatos , (2013) Application of a two-phase anaerobic digestion process for energy valorisation of cheese whey wastewater on full scale, 13 th World Congress on Anaerobic Digestion, 25-28 June 2013, Santiago de Compostella, Spain.
21.	K. Stamatelatos , N. Giantsiou, V. Diamantis, C. Alexandridis, A. Alexandridis and A. Aivasidis (2012) Anaerobic digestion of cheese whey wastewater through a two stage system (oral presentation), 3rd International Conference on Industrial and Hazardous Waste Management, 12-14 September 2012 Chania, Greece.
22.	T. Vlassis, K. Stamatelatos , G. Antonopoulou and G. Lyberatos. <i>Anaerobic treatment of glycerol for methane and hydrogen production</i> . Oral presentation, Proceedings (CD) in 12 th International Conference on the Environmental Science and Technology (CEST2011), Rhodes island, 8-10 September 2011, book of abstracts p247.
23.	G. Antonopoulou, K. Stamatelatos and G. Lyberatos. <i>Exploitation of rapeseed and Sunflower residues for methane generation: The effect of pretreatment</i> . Oral presentation. Proceedings (CD) of the 2 nd International conference on Industrial Biotechnology (IBIC 2010), Pradua, Italy, 11-14 April 2010.
24.	T. Vlassis, K. Stamatelatos , G. Antonopoulou, C. Marazioti and G. Lyberatos. <i>Methane production via anaerobic digestion of glycerol</i> . Oral presentation. Proceedings (CD) 3 rd International Conference on Engineering for Waste Valorization, Beijing, China, 17-19 May 2010. Book of abstracts: page 163.
25.	G. Antonopoulou, K. Stamatelatos and G. Lyberatos. <i>Exploitation of sunflower and reseeded crops residues for methane production</i> . Poster presentation. 5 th International Conference on Renewable Resources & Biorefineries (RRB5), Ghent, Belgium, 10 th - 12 th June 2009, Book of abstracts, page 58.
26.	G. Antonopoulou, K. Stamatelatos and G. Lyberatos. <i>Methane potential from oil-rich crop residues</i> . Oral presentation in International Conference on Waste and Biomass Valorization in Developing Countries. Burgina Faso, 9-11 July 2009.
27.	G. Antonopoulou, K. Stamatelatos , S. Bebelis, G. Lyberatos. <i>Using cheese whey as a source of energy in a microbial fuel cell</i> . Oral presentation. Proceedings (CD) of the 11 th International Conference on the Environmental Science and Technology (CEST2009), Chania,

	Crete, 3-5 September 2009, pages, 40-47. Volume of abstracts: page 8.
28.	K. Stamatelatos , G. Antonopoulou, A. Tremouli and G. Lyberatos. <i>Production of gaseous biofuels and electricity from cheese whey</i> . Oral presentation. Proceedings (CD) of the Symposium on 'New Frontiers in chemical and Biochemical Engineering' 26-27 November 2009, CERTH, Thessaloniki, Greece
29.	Pakou C., Stamatelatos K. , Kornaros M. AND Lyberatos. "On the removal of xenobiotics during the composting of different sludge types". International Conference on Xenobiotics in the Urban Water Cycle, 11th – 13th March 2009, Cyprus
30.	M.A. Dareioti, S.N. Dokianakis, K. Stamatelatos , C. Zafiri and M. Kornaros. "Methane production from anaerobic co-digestion of agroindustrial wastewaters under mesophilic conditions in a two phase process". Small and Decentralised Waster and Wastewater Treatment Plants, Skiathos 2008.
31.	N. Venetsaneas, G. Antonopoulou, K. Stamatelatos , M. Kornaros and G. Lyberatos. "Production of hydrogen and methane from dairy wastewater in a two-stage anaerobic process". 2 nd International Conference on Engineering for Waste Valorisation, June 3-5, Patras, 2008
32.	E.C. Koutrouli, H. Kalfas, H.N. Gavala, I.V. Skiadas, K. Stamatelatos and G. Lyberatos. "Hydrogen and methane production through two-stage mesophilic anaerobic digestion of olive pulp". 2 nd International Conference on Engineering for Waste Valorisation, June 3-5, Patras, 2008
33.	Kourmentza, E.C. Koutrouli, I. Ntaikou, K. Stamatelatos , M. Kornaros and G. Lyberatos. "Exploitation of olive oil mill wastewater for combined bio-fuels and biopolymers production". 2 nd International Conference on Engineering for Waste Valorisation, June 3-5, Patras, 2008
34.	P.S. Blika, K. Stamatelatos , M. Kornaros, G. Lyberatos (2008). Anaerobic digestion of olive mill wastewater. Proceedings of the 9 th international conference PRE9: Protection and Restoration of the Environment, Kefalonia, Greece, June 30 – July 3, 2008
35.	G. Antonopoulou, K. Stamatelatos , S. Bebelis, G. Lyberatos. Electricity generation from cheese whey using a microbial fuel cell. 18th International Congress of Chemical and Process Engineering, Prague, Czech Republic, 24-28 August 2008, pages: 155-165.
36.	K. Stamatelatos , A. Kopsahelis, P. Blika and G. Lyberatos (2008). Anaerobic digestion of olive mill wastewater in a periodic anaerobic baffled reactor (PABR). 4 th European Bioremediation Conference, Chania, September 3-6, 2008.
37.	G. Antonopoulou, K. Stamatelatos , S. Bebelis, G. Lyberatos. <i>Electricity generation from cheese whey using a microbial fuel cell</i> . Oral presentation in 18 th International Congress of Chemical and Process Engineering, Prague, Czech Republic, 24-28 August 2008, Proceedings of 8 th European Symposium of Electrochemical Engineering, pages: 155-165.
38.	G. Antonopoulou, K. Stamatelatos , G. Lyberatos. <i>Biofuel generation from cheese whey in a two – stage anaerobic process</i> . Oral presentation in AIChE Annual meeting 2008 in Pennsylvania, CA. November 16-21, CD Proceedings.
39.	Blika P.S., K. Stamatelatos , H.N. Gavala, I.V. Skiadas and G. Lyberatos. "Aerobic post treatment of anaerobically digested sludge". Specialist conference on "Facing Sludge Diversities: Challenges, Risks and Opportunities", Antalya, Turkey, 28-30 March 2007.
40.	Lyberatos G., Stamatelatos K. , Fountoulakis M., Pakou C., Kornaros M. "On the Fate of Xenobiotic Compounds during Alternative Methods of Municipal Sludge Treatment", paper 497a, Proc. AIChE Annual meeting, San Francisco, 2006.

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42.	P.S. Blika, G. Constantinidou, K. Stamatelatou, M. Kornaros, D.V. Vayenas, G.I. Zervakis and G. Lyberatos (2006). Pretreatment of olive mill wastewater in a fungal trickling filter. Proceedings of the 3rd International Conference on the "Water Resources in the Mediterranean Basin" WATMED 3, Tripoli (Lebanon), 1- 3 November 2006.
43.	Dravillas K., Stamatelatou K. and Lyberatos G., “Anaerobic Digestion of Sweet Sorghum for Biogas Production in a Two-Stage Bioreactor System” Proceedings of the 1 st International Conference on Engineering for Waste Treatment. WasteEng2005, Albi, France, 17-19 May 2005
44.	Fountoulakis M., Stamatelatou K. , Batstone D. J. and Lyberatos G., “Modelling of Anaerobic Digestion Kinetics of Secondary Sludge Contaminated with Xenobiotic Compounds” Proceedings of the 1 st International Conference on Engineering for Waste Treatment. WasteEng2005, Albi, France, 17-19 May 2005
45.	Pakou C., Kornaros M., Stamatelatou K. and Lyberatos G., “Fate of Linear Alkylbenzene Sulfonate (LAS) during Composting.” Proceedings of the 1 st International Conference on Engineering for Waste Treatment. WasteEng2005, Albi, France, 17-19 May 2005
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47.	Schmidt J.S, Christensen N., Angelidaki I. Batstone D. J., Trably E., Lyberatos G., Stamatelatou K. , Kornaros M., Metzger L., Ameal N., Watson J. , García K., Ayuso S. and Patureau D., “Safe Recycling of Sewage Sludge on Agricultural Land Biowaste”. Proceedings of the 1 st International Conference on Engineering for Waste Treatment. WasteEng2005, Albi, France, 17-19 May 2005
48.	Syrou L., Stamatelatou K. , Lyberatos G. and Kravaris C., “Model Reduction for the Anaerobic Digestion of Solid Wastes”. Proceedings of the 1 st International Conference on Engineering for Waste Treatment. WasteEng2005, Albi, France, 17-19 May 2005
49.	Batstone D.J., Trably E. , Christensen N. , Patureau D, Stamatelatou K. , Pakou C., Kornaros M., Lyberatos G., Schmidt J.E. “Assessing Microbial Potential for Degradation of Complex Organic Compounds”. 15 th Annual meeting, SETAC Europe, Lille, France, 22-26 May 2005
50.	Christensen N., Mosbæk H., Garcia H., Lyberatos G., Stamatelatou K. , Drillia P., Fountoulakis M., Pakou C., Kampioti A., Patureau D., Caria G., Schmidt J. E. “Comparative Analysis of Trace Amounts of Toxic Organic Compounds in Sewage Sludge”. 15 th Annual meeting, SETAC Europe, Lille, France, 22-26 May 2005
51.	Fountoulakis M., Stamatelatou K. , Batstone D. J. and Lyberatos G., “Modelling of Anaerobic Digestion of Sludge Contaminated with Xenobiotic Compounds”. 15 th Annual meeting, SETAC Europe, Lille, France, 22-26 May 2005
52.	Pakou C., Kornaros M., Stamatelatou K. and Lyberatos G., “Fate of NPEO, DEHP and PAHs during Composting of Raw and Anaerobically Digested Sludge”. 15 th Annual meeting, SETAC Europe, Lille, France, 22-26 May 2005
53.	Fountoulakis M., Stamatelatou K. , Batstone D.J. and Lyberatos G., “Modelling of Anaerobic Digesters Treating Primary and Mixed Primary and Secondary Sludge Contaminated with Xenobiotic Compounds”, 4 th International Symposium on Anaerobic Digestion of Solid Waste

	(ADSW), Copenhagen, Denmark, September 2005.
54.	Fountoulakis M., Stamatelatos K. and Lyberatos G., <i>“Simulation of DEHP biodegradation and sorption during the anaerobic digestion of secondary sludge”</i> , 1st international ADM1 workshop, Copenhagen, Denmark, September 2005.
55.	Kalfas H., Skiadas I.V., Gavala H.N., Stamatelatos K. and Lyberatos G. <i>“Application of ADM1 for the Simulation Anaerobic Digestion of Olive Pulp under Mesophilic and Thermophilic Conditions”</i> , 1st international ADM1 workshop, Copenhagen, Denmark, September 2005.
56.	Fountoulakis M., Stamatelatos K. , Gavala H.N., Skiadas I.V., Kampioti A. and Lyberatos G., <i>“Anaerobic Digestion of Secondary Sludge: Effect of Pretreatment and Post Treatment with the Presence of Xenobiotics”</i> . Proceedings 10th World Congress on Anaerobic Digestion, Montreal Aug.29-Sep.1 2004
57.	Stamatelatos K. , S.N. Dokianakis, M. Fountoulakis, K. Frounda, M.E. Kornaros and G. Lyberatos <i>“On the effect of pharmaceuticals on biological processes”</i> . ENVIRPHARMA ,European conference on human and veterinary pharmaceuticals in the Environment in Lyon, FRANCE, 14-16 April 2003
58.	Drillia P., Stamatelatos K. and G.Lyberatos <i>“The Fate of Pharmaceuticals on soil”</i> .ENVIRPHARMA ,European conference on human and veterinary pharmaceuticals in the Environment in Lyon, FRANCE, 14-16 April 2003
59.	Lyberatos G., K. Stamatelatos , M. Kornaros, P. Drillia, S. Dokianakis, C. Frouda, and M.S. Fountoulakis <i>“Impact and fate of the antibiotic sulfamethoxazole in wastewater treatment and disposal”</i> EMCC-3, 3 rd Chemical Engineering Conference for Collaboration Research in Eastern Mediterranean, Thessaloniki, Greece, 13-15 May 2003
60.	Stamatelatos K. , K. Dravillas and G. Lyberatos. <i>“A two-stage process for the anaerobic digestion of sludge generated during the Production of Bioethanol from Sweet Sorghum”</i> . BIOSOLIDS 2003: Wastewater sludge as a resource, Trondheim, Norway 23-25 June 2003
61.	Schmidt J. E., I.Angelidaki, N. Christensen, D.J. Batstone, G. Lyberatos, K. Stamatelatos , E.Lichtfouse, B. Elbisser , K. Rogers, V. Sappin-Didier, L.Denaix, G.Caria, L. Metzger, V. Borghi and E.Montcada, <i>“Bioprocessing of sewage sludge for safe recycling on agricultural land – BIOWASTE”</i> . BIOSOLIDS 2003: Wastewater sludge as a resource, Trondheim, Norway 23-25 June 2003
62.	Stamatelatos K. , S.N. Dokianakis, M. Fountoulakis, C. Frouda, M.E. Kornaros and G. Lyberatos <i>«The effect of a common antibacterial pharmaceutical (triclosan) on biological wastewater treatment processes»</i> .8thConference on Environmental Science and Technology, Lemnos – Greece, 8-10 September 2003
63.	Drillia P., Stamatelatos K. and G.Lyberatos <i>“Mobility of Pharmaceuticals in soil”</i> . , 8th Conference on Environmental Science and Technology, Lemnos Greece, 8-10 September 2003
64.	Fountoulakis M., Stamatelatos K. and G.Lyberatos, <i>“Toxic Effects of Pharmaceuticals on Methanogenesis”</i> .Ecohazard 2003 Aachen, Germany September 14-16 2003
65.	Stamatelatos K. ,C.Dravillas, and G. Lyberatos, <i>“A novel two-stage bioreactor system for the production of biogas from a bioethanol process sludge”</i> . Ninth International Waste Management and Landfill Symposium, Sardinia, October 6 – 10 2003
66.	Foundoulakis M., Stamatelatos K. and G.Lyberatos, <i>“Impact of Pharmaceuticals on the Anaerobic Digestion Process”</i> . SETAC Europe 12 th Annual Meeting, Vienna, Austria, 73-14, May 12-16 2002
67.	K. Stamatelatos , K. Dravillas and G. Lyberatos, <i>“Methane production from sweet sorghum</i>

	<i>residues via a two-stage process</i> ". Proc. 3rd IWA International Symposium on "Anaerobic Digestion of Solid Waste", Garching/Munich, Germany, 11-13 September 2002
68.	K. Stamatelatu , Frouda C., Fountoulakis M.S., Drillia P., Kornaros M. and Lyberatos G. "Pharmaceuticals and health care products in wastewater effluents: the example of carbamazepine". Proceedings of IWA Regional Symposium on Water Recycling in Mediterranean Region, ,203-210, Iraklio, Crete, 26-29 September 2002
69.	K. Dravillas, K. Stamatelatu , G. Lyberatos. "Solid Waste treatment of Sludge from Alcohol Fermentation of Energetic Plants (Sweet Sorghum) Using Biological Methods". Proc. 7 th International Conference on Environmental Science and Technology, Ermoupolis, Syros Island, Greece, v.A, pp 166-173, September 2001.
70.	K. Stamatelatu and G.Lyberatos, "Simulation of a Periodic Anaerobic Baffled Reactor (PABR): Steady-state and Dynamic Response" Proc.9 th World Congress Anaerobic Digestion 2001, Antwerpen, Belgium, Part 1, pp.129-134, September 2001.

Participation in projects

Leader on behalf of DUTH

1	Project title	REINFORCEMENT OF RENEWABLE ENERGY ECONOMY THROUGH BIOPROCESSING OF BIOGAS TO BIOMETHANE (SUN-UpCH ₄) (3209)
	Duration	από 15/06/2022 έως 14/06/2025
	Budget	100.799,40 €
	Funder	ΕΛΙΔΕΚ, ΕΛ.ΙΔ.Ε.Κ. ΓΙΑ ΤΗΝ ΕΝΙΣΧΥΣΗ ΜΕΛΩΝ ΔΕΠ ΚΑΙ ΕΡΕΥΝΗΤΩΝ/ΤΡΙΩΝ
1	Project title	«ΒΙΟ-ΗΛΕΚΤΡΟΧΗΜΙΚΗ ΑΝΑΒΑΘΜΙΣΗ ΒΙΟΑΕΡΙΟΥ ΣΕ ΜΕΘΑΝΙΟ (CH ₄): ΜΙΑ ΚΑΙΝΟΤΟΜΑ ΜΕΘΟΔΟΣ ΜΕΤΑΤΡΟΠΗΣ ΤΟΥ ΔΙΟΞΕΙΔΙΟΥ ΤΟΥ ΑΝΘΡΑΚΑ (CO ₂)» (ΚΕ 82484)
	Duration	από 10/03/2020 έως 04/01/2022
	Budget	€ 41.541,50
	Funder	ΥΠΟΥΡΓΕΙΟ ΕΘΝΙΚΗΣ ΠΑΙΔΕΙΑΣ ΚΑΙ ΘΡΗΣΚΕΥΜΑΤΩΝ
2	Project title	«ΧΟΡΗΓΗΣΗ ΥΠΟΤΡΟΦΙΑΣ ΣΤΟ ΠΛΑΙΣΙΟ ΤΗΣ ΔΡΑΣΗΣ: "2Η ΠΡΟΚΗΡΥΞΗ ΥΠΟΤΡΟΦΙΩΝ ΕΛΙΔΕΚ ΓΙΑ ΥΠΟΨΗΦΙΟΥΣ ΔΙΔΑΚΤΟΡΕΣ"-ΣΠΥΡΙΔΩΝΙΔΗΣ ΑΠΟΣΤΟΛΟΣ (1585)» (ΚΕ 82375)
	Duration	από 16/10/2019 έως 15/07/2022
	Budget	€ 29.700,00
	Funder	ΕΛΛΗΝΙΚΟ ΙΔΡΥΜΑ ΕΡΕΥΝΑΣ ΚΑΙ ΚΑΙΝΟΤΟΜΙΑΣ
3	Project title	«ΕΦΑΡΜΟΓΗ ΤΩΝ ΑΡΧΩΝ ΤΗΣ ΚΥΚΛΙΚΗΣ ΟΙΚΟΝΟΜΙΑΣ ΣΤΗ ΔΙΑΧΕΙΡΙΣΗ ΤΟΥ ΟΡΓΑΝΙΚΟΥ ΚΛΑΣΜΑΤΟΣ ΤΩΝ ΑΣΤΙΚΩΝ ΑΠΟΡΡΙΜΜΑΤΩΝ ΣΤΙΣ ΜΕΣΟΓΕΙΑΚΕΣ ΧΩΡΕΣ (CEOMED)» (ΚΕ 82346)
	Duration	18/09/2019 έως 31/08/2022
	Budget	€ 312.762,07
	Funder	ΥΠΟΥΡΓΕΙΟ ΕΘΝΙΚΗΣ ΠΑΙΔΕΙΑΣ ΚΑΙ ΘΡΗΣΚΕΥΜΑΤΩΝ και ΕΥΡΩΠΑΪΚΟΣ ΜΗΧΑΝΙΣΜΟΣ ΓΕΙΤΟΝΙΑΣ (ENI)
4	Project title	«ΠΑΡΑΚΟΛΟΥΘΗΣΗ ΜΟΝΑΔΑΣ ΒΙΟΑΕΡΙΟΥ ΑΒΑΞ» (ΚΕ 82066)

	Duration	από 14/03/2018 έως 30/11/2022
	Budget	€ 25.880,00
	Funder	ΑΒΑΤΟ ΒΙΟΑΕΡΙΟ ΞΑΝΘΗΣ ΑΝΩΝΥΜΗ ΕΤΑΙΡΕΙΑ
5	Project title	«ΕΡΕΥΝΗΤΙΚΗ ΥΠΟΔΟΜΗ ΓΙΑ ΤΗΝ ΑΞΙΟΠΟΙΗΣΗ ΑΠΟΒΛΗΤΩΝ ΚΑΙ ΑΕΙΦΟΡΟΥ ΔΙΑΧΕΙΡΙΣΗΣ ΦΥΣΙΚΩΝ ΠΟΡΩΝ - "ΑΞΙΟΠΟΙΗΣΗ ΑΓΡΟΤΟΒΙΟΜΗΧΑΝΙΚΩΝ ΥΠΟΛΕΙΜΜΑΤΩΝ ΚΑΙ ΒΙΟΜΑΖΑΣ ΓΙΑ ΠΑΡΑΓΩΓΗ ΒΙΟΚΑΥΣΙΜΩΝ ΚΑΙ ΥΛΙΚΩΝ" (ΥΠΟΕΡΓΟ 7)» (ΚΕ 82039)
	Duration	από 20/12/2017 έως 31/05/2021
	Budget	€ 180.000,00
	Funder	ΥΠΟΥΡΓΕΙΟ ΑΝΑΠΤΥΞΗΣ ΚΑΙ ΕΠΕΝΔΥΣΕΩΝ
6	Project title	«ΠΑΡΑΚΟΛΟΥΘΗΣΗ ΚΑΙ ΥΠΟΣΤΗΡΙΞΗ ΜΟΝΑΔΑΣ ΑΝΑΕΡΟΒΙΑΣ ΧΩΝΕΥΣΗΣ ΣΤΟ ΑΒΑΤΟ ΞΑΝΘΗΣ» (ΚΕ 81913)
	Duration	από 31/05/2017 έως 29/11/2017
	Budget	: € 4.000,00
	Funder	ΑΒΑΤΟ ΒΙΟΑΕΡΙΟ ΞΑΝΘΗΣ ΑΝΩΝΥΜΗ ΕΤΑΙΡΕΙΑ
7	Project title	«ΜΕΛΕΤΗ ΚΙΝΗΤΙΚΗΣ ΑΝΑΕΡΟΒΙΑΣ ΧΩΝΕΥΣΗΣ ΘΕΡΜΙΚΑ ΚΑΤΕΡΓΑΣΜΕΝΩΝ ΖΩΙΚΩΝ ΑΠΟΒΛΗΤΩΝ (RENDERING)» (ΚΕ 81853)
	Duration	από 21/12/2016 έως 21/12/2020
	Budget	€ 8.878,14
	Funder	Ε.Τ.Α.Α. ΤΟΜΕΙΣ ΜΗΧΑΝΙΚΩΝ ΚΑΙ Ε.Δ.Ε
8	Project title	«ΕΚΚΙΝΗΣΗ ΜΟΝΑΔΑΣ ΑΝΑΕΡΟΒΙΑΣ ΧΩΝΕΥΣΗΣ ΣΤΟ ΑΒΑΤΟ ΞΑΝΘΗΣ» (ΚΕ81774)
	Duration	από 20/07/2016 έως 19/01/2017
	Budget	€ 4.960,00
	Funder	ΑΕΙΦΟΡΟΣ ΤΕΧΝΙΚΗ ΠΕΡΙΒΑΛΛΟΝΤΙΚΗ ΕΝΕΡΓΕΙΑΚΗ ΕΠΕ
9	Project title	ΑΞΙΟΠΟΙΗΣΗ ΑΠΟΒΛΗΤΩΝ ΓΙΑ ΠΑΡΑΓΩΓΗ ΕΝΕΡΓΕΙΑΣ» (ΚΕ 81262)
	Duration	από 10/11/2013 έως 09/11/2016
	Budget	€ 9.629,18
	Funder	φορέας χρηματοδότησης: Ε.Τ.Α.Α. ΤΟΜΕΙΣ ΜΗΧΑΝΙΚΩΝ ΚΑΙ Ε.Δ.Ε.
10	Project title	«ΠΑΡΑΓΩΓΗ ΒΙΟΚΑΥΣΙΜΩΝ ΑΠΟ ΑΠΟΒΛΗΤΑ ΜΕΣΩ ΒΙΟ-ΔΙΕΡΓΑΣΙΩΝ» (ΚΕ2026/80706)
	Duration	από 10/11/2010 έως 09/11/2013
	Budget	€ 15.673,90
	Funder	Ε.Τ.Α.Α. ΤΟΜΕΙΣ ΜΗΧΑΝΙΚΩΝ ΚΑΙ Ε.Δ.Ε.

Main investigator

- «Developing advanced Biorefinery schemes for integration into existing oil production/transesterification plants», 7th framework programme – Energy theme, Support Action, EU (SUSTOIL) 2008-2010 (επιστημονικά υπεύθυνος: Γεράσιμος Λυμπεράτος)

<ul style="list-style-type: none"> • «Valorization of cheese whey for the biotechnological production of energy», GSRT «Consortia of Research and Technological Development in National Priorities» (PEP – DEL 15) 2006 – 2008 (επιστημονικά υπεύθυνος: Γεράσιμος Λυμπεράτος)
<ul style="list-style-type: none"> • «Development of a viable solution for the management of olive mill wastewaters, emphasizing on the valorization of the by-products » GSRT «Consortia of Research and Technological Development in National Priorities» (Activity A11) 2006 – 2008 (επιστημονικά υπεύθυνος: Γεράσιμος Λυμπεράτος)
<ul style="list-style-type: none"> • «Automatic control and optimization of the operation of anaerobic digesters for biogas production » GSRT – PENED03 (03ED605) 2005 - 2011 (επιστημονικά υπεύθυνος: Γεράσιμος Λυμπεράτος).
<ul style="list-style-type: none"> • «Biological Treatment and valorization of olive mill wastewater: mechanisms and integrated applications». GSRT – FP66 («Consortia of Research and Technological Development in National Priorities») 2003 – 2007 (επιστημονικά υπεύθυνος: Γεράσιμος Λυμπεράτος)
<ul style="list-style-type: none"> • «Bioprocessing of sewage sludge for safe recycling on agricultural land – BIOWASTE». EU (QLKS-CT2002-01138) 2002 – 2005 (επιστημονικά υπεύθυνος: Γεράσιμος Λυμπεράτος)
<ul style="list-style-type: none"> • «Ecotoxicological Assessments and Removal Technologies for Pharmaceuticals in Wastewaters (REMPHARMAWATER)». EU (EVK1-2000-0048) 2000 – 2003 (επιστημονικά υπεύθυνος: Γεράσιμος Λυμπεράτος)