

CURRICULUM VITAE

Dimitris Zagklis

Dr. Chemical Engineer

May 2024

First name: Dimitris
Last name: Zagklis
Date of birth: 25/02/1988
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Education

2012-2015: PhD, Department of Chemical Engineering, University of Patras

Thesis title: «SEPARATION, ISOLATION AND ENRICHMENT OF PHENOLIC COMPOUNDS FROM AGRICULTURAL BYPRODUCTS WITH PHYSICOCHEMICAL METHODS»

Thesis language: English, Supervisor: Professor C. Paraskeva

2010-2012: Master's degree, Department of Chemical Engineering, University of Patras

Specialization: Energy and environment

Thesis title: «Treatment of agroindustrial wastes and purification of polyphenols using membrane technology »

Thesis language: Greek, Supervisor: Professor C. Paraskeva

2005-2010: Diploma in Chemical Engineering (5-year program), Department of Chemical Engineering, University of Patras

Thesis title: «Investigation of the precipitation of calcium phosphate on the stabilization of soil, using a rain simulator»

Thesis language: Greek, Supervisor: Professor C. Paraskeva

Achievements

- First poster prize by the European Membrane Society and the Duisburg-Essen University during the 29th EMS Summer School on membrane filtration, Essen, Germany, July 2013.
- Guest editor for the special issue of *Processes* (MDPI), entitled “Wastewater and Waste Treatment: Overview, Challenges and Current Trends”, 34 published papers.

https://www.mdpi.com/journal/processes/special_issues/Wastewater_Waste_Treatment,

Guest editor for the special issue of *Processes* (MDPI), entitled “Wastewater and Waste Treatment: Overview, Challenges and Current Trends (Volume II)”, 11 published papers.

https://www.mdpi.com/journal/processes/special_issues/G630734U50

- National patent: M. Kornaros, C. Zafeiri, K. Tsigkou, P. Tsafrakidou, D. Zagklis, «Waste treatment and pre-treatment unit of disposable diapers for the recovery of reusable materials and the production of gaseous biofuels and soil conditioner», GR1009924B, 01/02/2021
- National patent: M. Kornaros, D. Zagklis, G. Manthos, «Two-phase olive pomace stabilization method by adding a suitable solution of reagents and homogenization», GR1010316, 05/10/2022
- National patent: M. Kornaros, D. Zagklis, K. Tsigkou, G. Manthos, Green Technologies, «Method for the treatment of liquid agroindustrial effluents via a high-rate anaerobic digestion system for biogas production », GR20210100658A, 10/05/2023

Languages

English: Excellent both oral and written (Michigan Proficiency degree)

Greek: Native speaker

Software

SimaPro, Life Cycle Analysis (LCA) software

SuperPro Designer, Technoeconomic Analysis software

Research Topics

- Wastewater treatment processes
- Membrane filtration (ultrafiltration, nanofiltration, reverse osmosis)
- Extraction of constituents from residual biomass
- Adsorption processes
- Coagulation-flocculation
- Anaerobic digestion
- Composting
- Design of waste and wastewater treatment processes
- Life Cycle Assessment (LCA), SimaPro software
- Technoeconomic analysis
- Mathematical modeling of bioprocesses (Anaerobic Digestion Model No.1, ADM1, Bioethanol production, microalgae cultivation)

Work Experience

05/2024-Now: Assistant Professor, Department of Industrial Engineering and Management, School of Engineering, International Hellenic University.

03/2022-11/2022: Postdoctoral researcher, Institute of Chemical Engineering Sciences (FORTH/ICE-HT).

04/2020-04/2023: Postdoctoral researcher, Laboratory of Biochemical Engineering & Environmental Technology, Department of Chemical Engineering, University of Patras, Greece.

03/2018-03/2020: Postdoctoral researcher, Laboratory of Transport Phenomena and Physicochemical Hydrodynamics, Department of Chemical Engineering, University of Patras, Greece.

06/2017-11/2019: Process design, Life cycle, and technoeconomic assessment, Green Technologies Ltd, Patras, Greece.

2010-2015: Research activities for the acquisition of MSc and PhD degrees, Laboratory of Transport Phenomena and Physicochemical Hydrodynamics, Department of Chemical Engineering, University of Patras, Greece.

Participation in Funded Research Projects

- «AlgaPlas», «Microalgae-based Digestate Valorization towards Sustainable Bioplastics Production» implemented under the Action “2nd Call for H.F.R.I. Research Projects to support Faculty Members and Researchers” funded by Hellenic Foundation for Research and Innovation, Code 4799. **Contract duration: 3 months (20-01-2023 – 30-04-2023)**
- «PPP_Phenolics», «Design of a Pilot Plant Process for the isolation of Phenolic compounds from agroindustrial wastes», implemented under the Action “2nd Call for H.F.R.I. Research Projects to support Faculty Members and Researchers” funded by Hellenic Foundation for Research and Innovation, Code 03828. **Contract duration: 9 months (01-02-2022 – 30-11-2022)**
- «AlgaPHESH», «Production of phenolic compounds from microalgae and characterization of biomass residues for utilization in fish farming facilities», NSRF 2014-2020, Code T6YBII-00034. **Contract duration: 0.5 months (14-02-2022 – 28-02-2022)**
- «OLIVENERGY», «Integrated Environmental Valorization of Olive Oil Byproducts», NSRF 2014-2020, Code ΔEP6-0021057. **Contract duration: 17.5 months (10-07-2020 – 31-12-2021)**
- «Green.BMP», «Development of an innovative integrated system for estimating the biochemical methane potential (BMP) of different biomass sources», «Research - create – innovate» NSRF 2014-2020, Code T1EDK-03148. **Contract duration: 33 months (24-04-2020 – 17-01-2023)**
- «INVALOR», «Research Infrastructure For Waste Valorization And Sustainable Management Of Resources», NSRF 2014-2020, Code: 5002495. **Contract duration: 24 months (15-03-2018 – 14-03-2020)**
- «Waste4think», «Moving towards life cycle thinking by integrating advanced waste management systems», HORIZON 2020, Code: 688995. **Contract duration: 29.5 months (15-06-2017 – 30-11-2019)**
- «NORIA», «Strengthening Innovation Strategy and Improving the Technology Transfer in Water Technology Sector», TEMPUS, Code: 530366. **Contract duration: 3 months (01-11-2013 – 31-01-2014)**
- «MEKKA», «Development of a new generation polymeric membranes with vertical embolization of carbon nanotubes for the purification of wastewaters and water recovery», NSRF 2007-2013, Code: 09SYN-42-620. **Contract duration: 32 months (01-09-2011 – 30-04-2014)**

Peer-reviewer in scientific journals

Critical Reviews in Food Science and Nutrition, ISSN: 1040-8398, Impact factor: 10.2 (2022), Trends in Food Science & Technology, ISSN: 0924-2244, Impact factor: 15.3 (2022), Separation and Purification Technology, ISSN: 1383-5866, Impact factor: 8.6 (2022), Journal of Environmental Chemical Engineering, ISSN: 2213-3437, Impact factor: 7.7 (2022), Cleaner Environmental Systems, ISSN: 2666-7894, Impact factor: 5 (2022), Journal of Chemical Technology & Biotechnology, ISSN: 1097-4660, Impact factor: 3.4 (2022), Journal of Molecular Liquids, ISSN: 0167-7322, Impact factor: 6 (2022), Process Safety and Environmental Protection, ISSN: 0957-5820 Impact factor: 7.8 (2022), Colloid and Interface Science Communications, ISSN: 2215-0382, Impact factor: 4.5 (2022), Cellulose, Electronic ISSN: 1572-882X, Impact factor: 5.7 (2022), International Journal of Food Science & Technology, ISSN:1365-2621, Impact factor: 3.3 (2022), Polymers, ISSN: 2073-4360, Impact factor: 5 (2022), Membranes, ISSN: 2077-0375, Impact factor: 4.2 (2022), Sustainability, ISSN: 2071-1050, Impact factor: 3.9 (2022), Water, ISSN: 2073-4441, Impact factor: 3.4 (2022), Crystals, ISSN: 2073-4352, Impact factor: 2.7 (2022), Foods, ISSN: 2304-8158, Impact factor: 5.2 (2022), Textiles, ISSN: 2673-7248.

Publications in peer-reviewed journals

[**a.1**] Kodjapashis, M.P., Zentelis, A.D., Stefanopoulos, A.S., Velissaris, G.A., Zarkada, V.K., **Zagklis, D.P.**, Sygouni, V. and Paraskeva, C.A., 2024. Isolation and identification of olive tree leaf phenols through a resin adsorption/desorption process. *Sustainable Chemistry and Pharmacy*, 38, p.101484.

[**a.2**] Economou, C.N., Manthos, G., **Zagklis, D.** and Kornaros, M., 2024. ADM1-Based Modeling of Biohydrogen Production through Anaerobic Co-Digestion of Agro-Industrial Wastes in a Continuous-Flow Stirred-Tank Reactor System. *Fermentation*, 10(3), p.138.

[**a.3**] Manthos, G., **Zagklis, D.**, Zafiri, C. and Kornaros, M., 2024. Techno-Economic Assessment of Anaerobic Digestion for Olive Oil Industry Effluents in Greece. *Sustainability*, 16(5), p.1886.

[**a.4**] Manthos, G., **Zagklis, D.**, Papavasileiou, V., Gkountou, N.A., Saita, Z., Zafiri, C. and Kornaros, M., 2023. High-rate upflow anaerobic sludge blanket bioreactor for the treatment of olive mill effluents: Laboratory and pilot scale systems investigation. *Renewable Energy*, 217, p.119215.

[**a.5**] Mastropetros, S.G., Pispas, K., **Zagklis, D.**, Tsigkou, K., Ali, S.S., Ariyadasa, T.U. and Kornaros, M., 2023. Effect of a dark-colored substrate on the production of phycocyanin by the cyanobacterium *Phormidium* sp. *Journal of Environmental Chemical Engineering*, 11(5), p.110580.

- [a.6] Manthos, G., **Zagklis, D.**, Zafiri, C. and Kornaros, M., 2023. Comparative life cycle assessment of anaerobic digestion, lagoon evaporation, and direct land application of olive mill wastewater. *Bioresource Technology*, p.129778.
- [a.7] Zentelis, A.D., Kodjapashis, M.P., Kotrotsos, N., **Zagklis, D.P.**, Sygouni, V., Lamari, F.N. and Paraskeva, C.A., 2023. Separation, Isolation, and Enrichment of Samples of Phenolic Compounds from Winemaking By-Products. *Sustainability*, 15(16), p.12221.
- [a.8] Manthos, G., Abbaszadeh, L., **Zagklis, D.** and Kornaros, M., 2023. Mathematical Modeling of Nitrification in Mixed Cultures: Insights into Nitrite-Oxidizing Bacteria Growth and Ammonia Starvation Effect. *Fermentation*, 9(7), p.681.
- [a.9] Manthos, G., Dareioti, M., **Zagklis, D.** and Kornaros, M., 2023. Using biochemical methane potential results for the economic optimization of continuous anaerobic digestion systems: the effect of substrates' synergy. *Renewable Energy*, 211, pp.296-306.
- [a.10] Manthos, G., **Zagklis, D.**, Ali, S.S., Zafiri, C. and Kornaros, M., 2023. Techno-Economic Evaluation of the Thermochemical Energy Valorization of Construction Waste and Algae Biomass: A Case Study for a Biomass Treatment Plant in Northern Greece. *Processes*, 11(5), p.1549.
- [a.11] Kodjapashis, M.P., Zentelis, A.D., **Zagklis, D.P.**, Sygouni, V. and Paraskeva, C.A., 2023. Resin Adsorption of Phenolic Compounds from Olive Leaf and Coffee Residue Extracts: Batch and Packed Column Adsorption Experimental Investigation and Mathematical Modeling. *Separations*, 10(5), p.313.
- [a.12] S.S. Ali, **D. Zagklis**, M. Kornaros, and J. Sun, "Cobalt oxide nanoparticles as a new strategy for enhancing methane production from anaerobic digestion of noxious aquatic weeds." *Bioresource Technology*, 2023 368: 128308.
- [a.13] G. Manthos, E. Koutra, S. G. Mastropetros, **D. Zagklis**, and M. Kornaros "Mathematical Modeling of Microalgal Growth during Anaerobic Digestion Effluent Bioremediation." *Water*, 2022, 14, no. 23: 3938.
- [a.14] **D.P. Zagklis**, G. Bampos, "Tertiary Wastewater Treatment Technologies: a Review of Technical, Economic and Life Cycle Aspects", *Processes*, 2022, 10(11), p.2304.
- [a.15] C.S. Papageorgiou, S. Lymberopoulos, P. Bakas, **D.P. Zagklis**, V. Sygouni, and C.A. Paraskeva, "Hydroxytyrosol Enrichment of Olive Leaf Extracts via Membrane Separation Processes", *Membranes*, 2022, 12(11), p.1027.
- [a.16] G. Manthos, **D. Zagklis**, M. Papapanou, C. Zafiri, and M. Kornaros, "High-rate in-vessel continuous composting of olive mill byproducts", *Waste Management*, 2022, 151, pp.105-112.

- [a.17] K. Tsigkou, **D. Zagklis**, M. Parasoglou, C. Zafiri, and M. Kornaros, “Proposed protocol for rate-limiting step determination during anaerobic digestion of complex substrates”, *Bioresource Technology*, 2022, 361, p.127660.
- [a.18] G. Manthos, **D. Zagklis**, and M. Kornaros, “Mathematical modeling of the effect of pH on 4-ethylphenol formation during two-phase olive pomace storage”, *Biochemical Engineering Journal*, 2022, 186, p.108552.
- [a.19] K. Tsigkou, **D. Zagklis**, A. Vasileiadi, C. Kostagiannakopoulou, G. Sotiriadis, I. Anastopoulos, V. Kostopoulos, C. Zafiri, M. Kornaros, “Used Disposable Nappies: environmental burden or resource for biofuel production and material recovery?”, *Resources, Conservation & Recycling*, In Press.
- [a.20] S.G. Mastropetros, K. Pispas, **D. Zagklis**, S.S. Ali, M. Kornaros, “Biopolymers production from microalgae and cyanobacteria cultivated in wastewater: Recent advances”, *Biotechnology Advances*, 2022 Jun 3:107999.
- [a.21] C.S. Papageorgiou, P. Lyri, I. Xintaropoulou, I. Diamantopoulos, **D.P. Zagklis**, and C.A. Paraskeva, “High-Yield Production of a Rich-in-Hydroxytyrosol Extract from Olive (*Olea europaea*) Leaves”, *Antioxidants*, 2022, 11(6), p.1042.
- [a.22] P. Tsafrakidou, G. Manthos, **D. Zagklis**, J. Mema, M. Kornaros, “Assessment of substrate load and process pH for bioethanol production–Development of a kinetic model”, *Fuel*, 2022, 313, 123007.
- [a.23] **D. Zagklis**, F. K. Katrivesis, V. Sygouni, L. Tsarouchi, K. Tsigkou, M. Kornaros, C. A. Paraskeva, “Recovery of Water from Secondary Effluent through Pilot Scale Ultrafiltration Membranes: Implementation at Patras’ Wastewater Treatment Plant”, *Membranes*, 2021, 11:663.
- [a.24] G Manthos, **D. Zagklis**, K Mesisklis, M Kornaros, “Effect of two-phase olive pomace acidification on odor prevention and kernel oil acidity reduction as a function of storage duration”, *Journal of Environmental Management*, 2021, 298:113453.
- [a.25] **D. Zagklis**, M. Papadionysiou, K. Tsigkou, P. Tsafrakidou, C. Zafiri, M. Kornaros, “Effect of pH on the Economic Potential of Dark Fermentation Products from Used Disposable Nappies and Expired Food Products”, *Applied Sciences*, 2021, 11:4099.
- [a.26] **D. Zagklis**, K. Tsigkou, P. Tsafrakidou, C. Zafiri, M. Kornaros, “Life cycle assessment of the anaerobic co-digestion of used disposable nappies and expired food products”, *Journal of Cleaner Production*, 2021, 127118.

- [**α.27**] **D. P. Zagklis**, C. S. Papageorgiou, C. A. Paraskeva, “Technoeconomic Analysis of the Recovery of Phenols from Olive Mill Wastewater through Membrane Filtration and Resin Adsorption/Desorption”, *Sustainability*, 2021, 13: 2376.
- [**α.28**] K. Tsigkou, **D. Zagklis**, P. Tsafrakidou, P. Zapanti, G. Manthos, K. Karamitou, C. Zafiri, M. Kornaros, “Expired food products and used disposable adult nappies mesophilic anaerobic co-digestion: biochemical methane potential, feedstock pretreatment and two-stage system performance”, *Renewable Energy*, 2021, 168: 309-318.
- [**α.29**] K. Tsigkou, P. Tsafrakidou, **D. Zagklis**, A. Panagiotouros, D. Sionakidis, D. Zontos, C. Zafiri, M. Kornaros, “Used disposable nappies and expired food products co-digestion: A pilot-scale system assessment”, *Renewable Energy*, 2021, 165: 109-117.
- [**α.30**] K. Tsigkou, **D. Zagklis**, P. Tsafrakidou, C. Zafiri, M. Kornaros, “Composting of anaerobic sludge from the co-digestion of used disposable nappies and expired food products”, *Waste Management*, 2020, 118: 655-666.
- [**α.31**] **D. Zagklis**, E. Konstantinidou, C. Zafiri, M. Kornaros, “Assessing the Economic Viability of an Animal Byproduct Rendering Plant: Case Study of a Slaughterhouse in Greece”, *Sustainability*, 2020, 12: 5870.
- [**α.32**] **D. P. Zagklis**, and C. A. Paraskeva, “Preliminary design of a phenols purification plant”, *Journal of Chemical Technology and Biotechnology*, 2020, 95(2): p. 373-383.
- [**α.33**] K. Tsigkou, P. Tsafrakidou, A. Kopsahelis, **D. Zagklis**, C. Zafiri, and M. Kornaros, “Used disposable nappies and expired food products valorisation through one- & two-stage anaerobic co-digestion”, *Renewable Energy*, 2020, 147: p.610-619.
- [**α.34**] **D. P. Zagklis**, and C. A. Paraskeva, “Isolation of organic compounds with high added values from agro-industrial solid wastes”, *Journal of Environmental Management*, 2018, 216: p. 183-191.
- [**α.35**] C. Iakovides, A. G. Pantziaros, **D. P. Zagklis**, C. A. Paraskeva, “Effect of electrolytes/polyelectrolytes on the removal of solids and organics from olive mill wastewater”, *Journal of Chemical Technology and Biotechnology*, 2016, 91(1), 204–211.
- [**α.36**] **D. P. Zagklis**, C. A. Paraskeva, “Purification of grape marc phenolic compounds through solvent extraction, membrane filtration and resin adsorption/desorption”, *Separation and Purification Technology*, 2015, 156, Part 2, 328-335.

[a.37] **D. P. Zagklis**, A. I. Vavouraki, M. E. Kornaros, and C. A. Paraskeva, “Purification of olive mill wastewater phenols through membrane filtration and resin adsorption/desorption”, *Journal of Hazardous Materials*, 2015, 285 (0), 69-76.

[a.38] **D. P. Zagklis**, C. A. Paraskeva, “Membrane filtration of agro-industrial wastewaters and isolation of organic compounds with high added values”, *Water Science & Technology* 2014, 69(1), 202-207.

[a.39] K. Pelendridou, M. K. Michailides, **D. P. Zagklis**, A. G. Tekerlekopoulou, C. A. Paraskeva, D. V. Vayenas, “Treatment of olive mill wastewater using a coagulation–flocculation process either as a single step or as post-treatment after aerobic biological treatment”, *Journal of Chemical Technology and Biotechnology* 2014, 89(12), 1866–1874.

[a.41] **D. P. Zagklis**, E. C. Arvaniti, V. G. Papadakis, C. A. Paraskeva, “Sustainability analysis and benchmarking of olive mill wastewater treatment methods”, *Journal of Chemical Technology and Biotechnology* 2013, 88(5), 742-750.

[a.42] **D. P. Zagklis**, P. G. Koutsoukos, C. A. Paraskeva, “A Combined Coagulation/Flocculation and Membrane Filtration Process for the Treatment of Paint Industry Wastewaters”, *Industrial & Engineering Chemistry Research* 2012, 51(47), 15456-15462.

[a.43] E. C. Arvaniti, **D. P. Zagklis**, V. G. Papadakis, C. A. Paraskeva, “High-Added Value Materials Production from OMW: A Technical and Economical Optimization”, *International Journal of Chemical Engineering* 2012, 2012.

Book Chapters

[b.1] E. Koutra, **D. Zagklis**, K. Tsigkou, S. Ali, M. Kornaros, “Valorization of microalgal biomass for biofuels”, in “Valorization of Microalgal Biomass and Wastewater Treatment”, (pp. 53-79), Elsevier, 2023.

[b.2] S. Ali, M.A. Dar, M. El-Sheekh, T. Elsamahy, A. Abdelfattah, E. Abdelkarim, K. Pispas, S.G. Mastropetros, **D. Zagklis**, M. Kornaros, and J. Sun, “Microalgae as a Renewable Resource for Bioplastic Production”, In “Handbook of Research on Algae as a Sustainable Solution for Food, Energy, and the Environment”, (pp. 471-500), IGI Global, 2022.

[b.3] S.G. Mastropetros, K. Pispas, **D. Zagklis**, T. Elsamahy, S. Ali, J. Sun, and M. Kornaros, “Polyhydroxyalkanoates (PHAs) Production From Microalgae Cultivated in Wastewater”, In “Handbook of Research on Algae as a Sustainable Solution for Food, Energy, and the Environment”, (pp. 585-609). IGI Global, 2022.

[b.4] D. Zagklis, C. Papageorgiou, C. Paraskeva, “18 - Valorization of phenolic extracts from *Olea europaea* L. by membrane operations”, In “Membrane Engineering in the Circular Economy”, Iulianelli, A., Cassano, A., Conidi, C., Petrotos, K.B.T.-M.E. in the C.E., Eds.; Elsevier, 2022; pp. 495–524 ISBN 978-0-323-85253-1.

Participation in International Conferences

[c.1] G. Manthos, D. Zagklis, C. Zafiri, M. Kornaros, “Technoeconomic and environmental sustainability assessment of anaerobic digestion of olive mill wastewater”, Venice2022, 9th international symposium on energy from biomass and waste, Venice, Italy, November 2022

[c.2] K. Tsigkou, D. Zagklis, C. Zafeiri, M. Kornaros, “ANAEROBIC DIGESTION RATE-LIMITING STEP DETERMINATION: A PROPOSED PROTOCOL FOR COMPLEX SUBSTRATES”, 9th International Conference on Engineering for Waste and Biomass Valorisation, Wasteeng2022, hybrid, Copenhagen, Denmark, June 2022

[c.3] G. Manthos, M. Dareioti, D. Zagklis, C. Zafeiri, M. Kornaros, “MODELING OF THE SYNERGISTIC EFFECTS OF OLIVE MILL WASTEWATER, CHEESE WHEY, AND LIQUID COW MANURE CO-DIGESTION”, 9th International Conference on Engineering for Waste and Biomass Valorisation, Wasteeng2022, hybrid, Copenhagen, Denmark, June 2022

[c.4] K. Tsigkou, D. Zagklis, C. Zafeiri, M. Kornaros, “A PROPOSED PROTOCOL FOR THE RATE-LIMITING STEP DETERMINATION OF SIMPLE SUBSTRATE ANAEROBIC DIGESTION”, 8th International Conference on Engineering for Waste and Biomass Valorisation, Wasteeng2020, virtual, May 2021

[c.5] G. Manthos, D. Zagklis, C. Zafeiri, M. Kornaros, “HIGH-RATE UP-FLOW ANAEROBIC SLUDGE BLANKET (UASB) BIOREACTOR FOR THE TREATMENT OF OLIVE MILL EFFLUENTS”, 8th International Conference on Engineering for Waste and Biomass Valorisation, Wasteeng2020, virtual, May 2021

[c.6] G. Manthos, D. Zagklis, M. Kornaros, “EFFECT OF 2-PHASE OLIVE WASTE ACIDIFICATION IN 4-ETHYLPHENOL FORMATION AND KERNEL OIL ACIDITY AS A FUNCTION OF WASTE STORAGE DURATION”, 8th International Conference on Engineering for Waste and Biomass Valorisation, Wasteeng2020, virtual, May 2021

- [c.7] K. Tsigkou, P. Tsafrakidou, D. Zagklis, “Two-stage Anaerobic co-digestion of Used Disposable Diapers’ hydrolysate and Expired Food Products: The effect of pretreatment on the system’s performance”, Summer School on Wastewater and Biosolids Management, Patras, July 2019
- [c.8] D.P. Zagklis, C.A. Paraskeva, “Preliminary Design of Phenols Purification Plant”, 6th International Conference on Sustainable Solid Waste Management, Naxos, June 2018
- [c.9] K. Tsigkou, P. Tsafrakidou, A. Kopsahelis, D. Zagklis, C. Zafeiri, M. Kornaros, “USED DISPOSABLE NAPPIES AND EXPIRED FOOD PRODUCTS VALORIZATION THROUGH ONE- & TWO-STAGE ANAEROBIC CO-DIGESTION”, Venice2018, 7th international symposium on energy from biomass and waste, Venice, Italy, October 2018
- [c.10] D. P. Zagklis, C.A. Paraskeva, “Isolation of organic compounds with high added values from agro-industrial solid wastes”, SESSION XVIII Agricultural Waste, 4th International Conference on Sustainable Solid Waste Management, Limassol, Cyprus, June 2016
- [c.11] G.D. Peppas, E.C. Pyrgioti, E. Polidoropoulos, D.P. Zagklis, C.A. Paraskeva, V.P Charalampakos, “Dielectric properties of Natural ester Nanofluid with surface modified Fe₂O₃ nanoparticles”, MedPower 2014 Conference, Athens, November 2014
- [c.12] D.P. Zagklis, E.C. Arvaniti, V.G. Papadakis, C.A. Paraskeva, “A review and sustainability analysis of olive mill wastewater treatment methods”, Conference on Social Responsibility in Asia (CORSA 2014), Hiroshima, Japan, October 2014.
- [c.13] D.P. Zagklis, P.G Koutsoukos, C.A. Paraskeva, “Alternative Systems for Wastewater Treatment”, Program Tempus Noria, Casablanca, Morocco, November 2013
- [c.14] D.P Zagklis, C.A. Paraskeva, “Agro-industrial Wastewaters”, Program Tempus Noria, Casablanca, Morocco, November 2013.
- [c.15] D.P. Zagklis, C.A. Paraskeva, “Implementation of Membrane Technology for the Isolation of the Olive Mill Wastewater Phenolic Content”, European Membrane Society Summer School, Essen, Germany, July 2013.
- [c.16] D.P. Zagklis, C.A. Paraskeva, “Membrane filtration of agro-industrial wastewaters and isolation of organic compounds with high added values”, IWA Regional Conference on Waste and Wastewater Management, Science and Technology, WWMST2013, Limassol, Cyprus, June 2013.

[c.17] C.A. Paraskeva, D.P. Zagklis, E.C. Arvaniti, V.G. Papadakis “OLIVE MILL WASTEWATER TREATMENT METHODS: SUSTAINABILITY AND BENCHMARKING”, International Symposium, PROSODOL, ‘Olive Oil Mill Wastes and Environmental Protection’, Chania, Greece, October 2012.

[c.18] C.A. Paraskeva, V.G. Papadakis, D.P. Zagklis, S.S. Kontos, E.C. Arvaniti, P.G. Koutsoukos, K.C. Aggelopoulos, “High-added value materials production from Olive Mill Wastewater – A technical and economical optimization”, Horizon 2020 Capacity Building/Mediterranean Environment Programme, “Best environmental practices in olive mill waste management and new technologies”, Athens, March 2012.

[c.19] D.P. Zagklis, S.S. Kontos, E.C. Arvaniti, V.G. Papadakis, C.A. Paraskeva, “Implementation of membrane filtration in the treatment of Olive Mill Wastewaters and a techno-economical study”, BioNexGen Workshop, Sfax, Tunisia, March 2012.