

Curriculum Vitae

Personal Information



Name: **Antigoni G. Margellou**
Date-Place of birth: 30-11-1989, Thessaloniki, Greece
Address: Kimonos Boga 56, 54645, Thessaloniki
Telephone: 6976942069
e-mail: amargel@chem.auth.gr
ORCID: 0000-0002-3184-7656
Scopus: 36659653600
LinkedIn: www.linkedin.com/in/antigoni-margellou-6a917830b

Education

- 2014-2018** PhD, Department of Chemistry, University of Ioannina, *Dissertation*: Synthesis, Characterization and catalytic activity of La(Sr)Fe(Co)O₃ Perovskites (10/10), ND 42492.
- 2011-2014** MSc in Chemical and Biochemical Technologies in Chemical, Environmental, Computational Technology and Modelling, Department of Chemistry, University of Ioannina, Greece, *Dissertation*: Synthesis, Characterization and Catalytic activity of Mn_xCo_{3-x}O₄ Spinel (10/10).
- 2007-2011** BSc, Department of Chemistry, University of Ioannina, Greece, *Dissertation*: Synthesis, Characterization and Catalytic activity of CoAl₂O₄ spinels (7.27/10.00).

Training

- 2022** Fur4Sustain summer school, Polymers and Sustainability Frontiers, 26-28/7, Aveiro, Portugal
- 2016** 3rd Summer School on Thermal Analysis Techniques, 29/5, Ioannina
- 2015** Introduction to Solid State Chemistry, Massachusetts Institute of Technology, USA, online course (4 months) Grade: 82%
- 2015** Introduction to Environmental Science, University of Dartmouth, USA, online course (2 months) Grade: 85%
- 2014** Summer School on Thermal Analysis Techniques, 29/6-12/7, AUTH, Thessaloniki
- 2012** Metrology in Chemistry Workshop, TrainMic, 12/5/2012, Ioannina

Scientific & Research Experience

- Catalyst design, synthesis (Sol-gel, Auto combustion, Hydrothermal, Co-precipitation, Wet/Dry impregnation, Ceramic, Spray-drying Technique) and characterization (XRD, FTIR, UV-Vis, N₂ Porosimetry, SEM/EDS, EDS, DLS, TGA/DSC)
- Lignocellulosic biomass characterization and fractionation (hydrothermal, dilute acid, organosolv)
- (Bio)catalytic conversion of biomass streams towards fuels/chemicals (batch, continuous flow reactors) and characterization of products (GC-FID, GC-TCD, GC-MS, HPLC, etc.)
- Catalytic deNO_x processes (N₂O decomposition, NO/CO reactions in PFR reactors)
- Biodiesel production (homogeneous, heterogeneous, in situ)/ evaluation of quality characteristic

Work Experience

2018-current: Research Associate, Laboratory of Chemical and Environmental Technology, Department of Chemistry, Aristotle University of Thessaloniki

- “Plastic Waste Valorization Towards Marine Fuels (Plastic2Fuels)”, Funding: ELIDEK, “Basic Research Financing (Horizontal support for all Sciences), National Recovery and Resilience Plan (Greece 2.0)”, 2024-2025.
- “Sustainable production of Cellulose-based products and additives to be used in SMEs and rural areas (CELISE)”, Funding: H2020 (H2020-MSCA-RISE-2020), Project No. 101007733, 2021-2025.
- “Electrified conversion of plastic waste into olefins & downstream integration (ELECTRO)”, Funding: Horizon Europe (HORIZON-CL4-2021-TWIN-TRANSITION-01), Project 101058412, 2022-2026.
- “European Sustainable BIObased nanoMAterials Community (BIOMAC)”, Funding: H2020 (H2020-NMBP-TO-IND-2018-2020, DT-NMBP-04-2020, IA), Project No. 952941, 2021-2024.
- “Flexible and resilient integrated biofuel processes for competitive production of green renewable jet and shipping fuels (FLEXI-GREEN FUELS)”, Funding: H2020 (LC-SC3-RES-1-2019-2020), Project No. 101007130, 2021-2023.
- “Isolation and pilot cultivation of local strains of Dunaliella towards β -carotene production (PILOUS)”, Funding: «Special Actions “Aquaculture”-“Industrial Materials”-“Open Innovation In Culture”», Operational Program Competitiveness, Entrepreneurship and Innovation (EPAnEK 2014-2020), Project No: T6YBP-00101, 2020-2023.
- “Development of innovative nanocellulose-reinforced composite wood products with advanced hydrophobic and antimicrobial properties (CELL4GLUE)”, Funding: «Special Actions “Aquaculture”-“Industrial Materials”-“Open Innovation In Culture”», Operational Program Competitiveness, Entrepreneurship and Innovation (EPAnEK 2014-2020), Project No. T6YBP-00341, 2020-2023.
- “Valorization of waste and agro-industrial by-products for saving resources and producing of chemicals, fuels and materials”, within the frame of the “Research Infrastructure for Waste and Sustainable Management of Natural Resources (INVALOR)”, EPANEK 2014-2020, 2017-2020.

2013-2015: Research Associate, Laboratory of Industrial Chemistry, Department of Chemistry, University of Ioannina

- “Production Technologies of Biofuels (biodiesel) in Epirus (BIOEPIRUS)”, Operational Program “THESSALY- MAINLAND GREECE AND EPIRUS-2007-2013” of the National Strategic Reference Framework (NSRF 2007-2013), 2013-2015.
- “Materials of advanced Nano-Architecture at mesoscale for energy and environmental applications (NANOMESO)”, Funding: THALES-Investing in knowledge society, Operational Program “Education and Lifelong Learning” of the National Strategic Reference Framework (NSRF), 2013-2015.

Awards

- Young Talent award, 18th International Congress on Catalysis, Lyon, France, 14-19 July 2024
- 2022 Best Paper award, Catalysts, MDPI
- EFCAT Award for the participation in Europacat XIV, Firenze, Italy, 27-31 August 2017
- New scientist award for the best oral presentation at the 7th Panhellenic Conference on Thermal Analysis, Ioannina, 27-29 May 2016

Patents

●Heterogeneous magnesium oxide catalysts for enhanced biodiesel production, GR1008954 Greek Patent Office, Inventors: A. Margellou, A. Koutsouki, D. Petrakis, M. Kontominas, P. Pomonis.

Teaching Experience

●Assistant at Laboratory of Physical and Chemical Processes, Department of Chemistry, University of Ioannina, “Study of friction during the flow of fluids” and “Adsorption of n-hexane on activated carbon”, 2012-2017

●Assistant at Laboratory of Chemical Technology, Department of Chemistry, University of Ioannina, “Specific surface areas of solids” during the academic years 2014-2018

Publications in international peer-reviewed journals

(h-index:11, First author: 53%)

1. Margellou, A. G.; Psochia, E. A.; Torofias, S. A.; Pappa, C. P.; Triantafyllidis, K. S., Isolation of Highly Crystalline Cellulose via Combined Pretreatment/Fractionation and Extraction Procedures within a Biorefinery Concept. *ACS Sustainable Resource Management* **2024**.
2. Iakovou, G.; Kavoukis, S.; Margellou, A.; Torofias, S.; Papapanagiotou, G.; Panou, M.; Giannakopoulos, C.; Florokapi, G.; Zalidis, G.; Gkelis, S.; Triantafyllidis, K., Fractionation and characterization of *Dunaliella* microalgal biomass and extraction of carotenoids. *Sustainable Chemistry for the Environment* **2024**, 7, 100129.
3. Soldatos, P.; Margellou, A.; Pappa, C.; Torofias, S.; Matsakas, L.; Rova, U.; Christakopoulos, P.; Triantafyllidis, K., Conversion of beechwood organosolv lignin via fast pyrolysis and in situ catalytic upgrading towards aromatic and phenolic-rich bio-oil. *Sustainable Chemistry for the Environment* **2024**, 6, 100107.
4. Haj-Yahya, A.; Kouskouki, D.; Margellou, A. G.; Andreou, E. K.; Armatas, G. S.; Lazarides, T., Functionalised Al(iii) metal organic frameworks for fluorescence sensing of nitroaromatic vapours. *Journal of Materials Chemistry C* **2024**, 12 (22), 8014-8023.
5. Margellou, A. G.; Torofias, S. A.; Iakovou, G.; Triantafyllidis, K. S., Valorization of *Chlorella* Microalgae Residual Biomass via Catalytic Acid Hydrolysis/Dehydration and Hydrogenolysis/Hydrogenation. **2024**, 14 (5), 286.
6. Margellou, A. G.; Pomonis, P. J., Exchangeable Quantities and Power Laws: The Case of Pores in Solids. **2024**, 4 (2), 156-174.
7. Zormpa, F. F.; Margellou, A. G.; Karakoulia, S. A.; Delli, E.; Triantafyllidis, K. S., Hydrodeoxygenation of lignin bio-oil model compounds and surrogate mixtures over zeolite supported nickel catalysts. *Catalysis Today* **2024**, 433, 114654.
8. Kammoun, M.; Margellou, A.; Toteva, V. B.; Aladjadjyan, A.; Sousa, A. F.; Luis, S. V.; Garcia-Verdugo, E.; Triantafyllidis, K. S.; Richel, A., The key role of pretreatment for the one-step and multi-step conversions of European lignocellulosic materials into furan compounds. *RSC Advances* **2023**, 13 (31), 21587-21612.
9. Terzopoulou, Z.; Zamboulis, A.; Bikiaris, N. D.; Margellou, A.; Valera, M. A.; Mangas, A.; Koltsakidis, S.; Tsongas, K.; Tzetzis, D.; Triantafyllidis, K., Properties of PLA-co-PBSu Copolymers Rapidly Synthesized by Reactive Processing. *Journal of Polymers and the Environment* **2024**, 32 (1), 316-330.
10. Margellou, A. G.; Vaimakis, T. C.; Pomonis, P. J.; Petrakis, D. E., Investigation of catalytic reduction of NO by CO over A- and B- site substituted La(Sr)Fe(Co)O₃ perovskites. *Applied Catalysis A: General* **2023**, 660, 119231.

11. Margellou, A. G.; Pappa, C. P.; Psochia, E. A.; Petala, M. D.; Triantafyllidis, K. S., Mild isolation and characterization of surface lignin from hydrothermally pretreated lignocellulosic forestry and agro-industrial waste biomass. *Sustainable Chemistry and Pharmacy* **2023**, *33*, 101056.
12. Margellou, A.; Pomonis, P., Pore properties, power laws and Benford's Law. *Journal of Solid State Chemistry* **2023**, *320*, 123866.
13. Ioannidou, S. P.; Margellou, A. G.; Petala, M. D.; Triantafyllidis, K. S., Pretreatment/fractionation and characterization of winery waste streams within an integrated biorefinery concept. *Sustainable Chemistry and Pharmacy* **2022**, *27*, 100670.
14. Giannakoudakis, D. A.; Zormpa, F. F.; Margellou, A. G.; Qayyum, A.; Colmenares-Quintero, R. F.; Len, C.; Colmenares, J. C.; Triantafyllidis, K. S., Carbon-Based Nanocatalysts (CnCs) for Biomass Valorization and Hazardous Organics Remediation. **2022**, *12* (10), 1679.
15. Margellou, A.; Manos, D.; Petrakis, D.; Konstantinou, I., Activation of persulfate by $\text{LaFe}_{1-x}\text{Co}_x\text{O}_3$ perovskite catalysts for the degradation of phenolics: Effect of synthetic method and metal substitution. *Science of The Total Environment* **2022**, *832*, 155063.
16. Margellou, A. G.; Koutsouki, A. A.; Petrakis, D. E.; Kontominas, M. G.; Pomonis, P. J., Catalysis and Inhibition of Transesterification of Rapeseed Oil over MgO-CaO . *BioEnergy Research* **2023**, *16* (1), 528-538.
17. Noli, F.; Kapashi, E.; Pashalidis, I.; Margellou, A.; Karfaridis, D., The effect of chemical and thermal modifications on the biosorption of uranium in aqueous solutions using winery wastes. *Journal of Molecular Liquids* **2022**, *351*, 118665.
18. Manos, D.; Papadopoulou, F.; Margellou, A.; Petrakis, D.; Konstantinou, I., Heterogeneous Activation of Persulfate by LaMO_3 (M=Co, Fe, Cu, Mn, Ni) Perovskite Catalysts for the Degradation of Organic Compounds. **2022**, *12* (2), 187.
19. Margellou, A. G.; Lazaridis, P. A.; Charisteidis, I. D.; Nitsos, C. K.; Pappa, C. P.; Fotopoulos, A. P.; Van den Bosch, S.; Sels, B. F.; Triantafyllidis, K. S., Catalytic fast pyrolysis of beech wood lignin isolated by different biomass (pre)treatment processes: Organosolv, hydrothermal and enzymatic hydrolysis. *Applied Catalysis A: General* **2021**, *623*, 118298.
20. Margellou, A. G.; Pomonis, P. J., Beyond Zipf's law: Pore ranking in solids by Beta distributions. *Microporous and Mesoporous Materials* **2021**, *317*, 110987.
21. Zerva, C.; Karakoulia, S. A.; Kalogiannis, K. G.; Margellou, A.; Iliopoulou, E. F.; Lappas, A. A.; Papayannakos, N.; Triantafyllidis, K. S., Hydrodeoxygenation of phenol and biomass fast pyrolysis oil (bio-oil) over $\text{Ni/WO}_3\text{-ZrO}_2$ catalyst. *Catalysis Today* **2021**, *366*, 57-67.
22. Margellou, A. G.; Pomonis, P. J., Benford's law, Zipf's law and the pore properties in solids. *Microporous and Mesoporous Materials* **2020**, *292*, 109735.
23. Margellou, A. G.; Vaimakis, T. C.; Pomonis, P. J.; Petrakis, D. E., Catalytic N_2O decomposition over La(Sr)FeO_3 perovskites. *Reaction Kinetics, Mechanisms and Catalysis* **2019**, *127* (2), 825-838.
24. Margellou, A.; Triantafyllidis, K. S., Catalytic Transfer Hydrogenolysis Reactions for Lignin Valorization to Fuels and Chemicals. **2019**, *9* (1), 43.
25. Pomonis, P.; Margellou, A., The pore length, the pore number and the pore anisotropy distributions in porous materials. *Microporous and Mesoporous Materials* **2018**, *271*, 41-51.
26. Margellou, A.; Koutsouki, A.; Petrakis, D.; Vaimakis, T.; Manos, G.; Kontominas, M.; Pomonis, P. J., Enhanced production of biodiesel over MgO catalysts synthesized in the presence of Poly-Vinyl-Alcohol (PVA). *Industrial Crops and Products* **2018**, *114*, 146-153.
27. Pomonis, P.; Margellou, A., Zipf's law for pore ranking and pore anisotropy. *Physical Chemistry Chemical Physics* **2017**, *19* (26), 17441-17448.

28. Margellou, A.; Pomonis, P., The total and the differential mean pore anisotropy in porous solids and the ranking of pores according to Zipf's law. *Physical Chemistry Chemical Physics* **2017**, *19* (2), 1408-1419.
29. Margellou, A. G.; Papadas, I. T.; Petrakis, D. E.; Armatas, G. S., Development of enhanced surface area LaFeO₃ perovskites using amino acids as templating agents. *Materials Research Bulletin* **2016**, *83*, 491-501.
30. Simaioforidou, A.; Papastergiou, M.; Margellou, A.; Petrakis, D.; Louloudi, M., Activated vs. pyrolytic carbon as support matrix for chemical functionalization: Efficient heterogeneous non-heme Mn(II) catalysts for alkene oxidation with H₂O₂. *Journal of Molecular Catalysis A: Chemical* **2017**, *426*, 516-525.

Publications in book chapters

1. "Oilseed valorization for biodiesel production via catalytic transformation" A. G. Margellou, M. G. Kontominas, P. J. Pomonis, Chapter 1 in "Oilseeds Production, Varieties and Management Practices", 1-60, Eds Lindsey Harvey, 2019, Nova Science Publishers, Inc. New York, ISBN: 978-1-53615-636-2
2. "State-of-the-art in biomass fast pyrolysis using acidic catalysts: Direct comparison between microporous zeolites, mesoporous aluminosilicates and hierarchical zeolites" K.S. Triantafyllidis, S.D. Stefanidis, S.A. Karakoulia, A. Pineda, A. Margellou, K.G. Kalogiannis, E.F. Iliopoulou, A.A. Lappas, Chapter 5, in Biomass and Biowaste, New Chemical Products from Old, 113-144, Ed. Balu, Alina M./García Nuñez, Araceli, 2020, De Gruyter

Conferences

2024:

1. A. Margellou, S. Torofias, A.-I. Karras, L. Matsakas, U. Rova, P. Christakopoulos, K. Triantafyllidis, "Hydrodeoxygenation of lignin pyrolysis bio-oils and co-processing with petroleum fractions towards hydrocarbon fuels", 18th International Congress on Catalysis, Lyon, France, 14-19/7 (oral)
2. T. Kristensen, C. Hultheberg, O. Abdelaziz, F. Hallböök, J. Elmroth Nordlander, A. Corrêa de Araujo, A. Funke, A. Margellou, K. Triantafyllidis, S. Blomberg, "Tuning performance of Ni–Mo catalysts for the HDO of lignin oils to fuels", 18th International Congress on Catalysis, Lyon, France, 14-19/7 (oral)
3. P. Soldatos, A. Margellou, S. Torofias, A. Lemonidou, K. Triantafyllidis, "Catalytic upgrading of plastic wastes fast pyrolysis oils towards naphtha range hydrocarbons", 18th International Congress on Catalysis, Lyon, France, 14-19/7 (poster)
4. K. Rekos, A. Margellou, M. Kostoglou, K. Triantafyllidis, "Catalytic hydrogenation of glucose to sorbitol over supported Pt and Ru catalysts – Optimization at gram and kilogram scale", 18th International Congress on Catalysis, Lyon, France, 14-19/7 (poster)
5. A. Margellou, A.-I. Karras, D. Karfaridis, K. Triantafyllidis, "Hydrotreatment of heavy lignin pyrolysis bio-oils and co-processing with petroleum fractions", 14th Panhellenic Scientific Conference Chemical Engineering, Thessaloniki, Greece, 29-31/5 (oral)
6. G. Iakovou, E. Psochia, A. Margellou, K. Triantafyllidis, "Techno-economic analysis (TEA) of nano-cellulose production from lignocellulosic forestry and agricultural residues", 14th Panhellenic Scientific Conference Chemical Engineering, Thessaloniki, Greece, 29-31/5 (poster)
7. E. Mandela, A. Margellou, K. Triantafyllidis, M. Konsolakis, G. Marnellos, "CO₂ hydrogenation towards light olefins over iron-based LDH-derived catalytic systems", 14th Panhellenic Scientific Conference Chemical Engineering, Thessaloniki, Greece, 29-31/5 (poster)

8. E. Psochia, A. Margellou, S. Torofias, K. Triantafyllidis, "Production of cellulose nanoparticles towards functional polymer additives", Polymers 2024, Athens, Greece, 28-31/5 (poster)
9. K. Rekos, A. Margellou, T. Valentin, M. Hartmann, T. Meyer, K. Triantafyllidis, "Valorisation of lignocellulosic biomass-derived glucose-rich streams for the production of bio-based sugar-alcohols as monomers", Polymers 2024, Athens, Greece, 28-31/5 (poster)
10. E. Balla, M. Valera, A. Mangas, N. Bikiaris, A. Margellou, K. Triantafyllidis, Z. Terzopoulou, "Thermal Characterization of PLA-Based Copolymers via Reactive Extrusion with Oligo(butylene succinate) as a Macroinitiator", Polymers 2024, Athens, Greece, 28-31/5 (poster)

2023:

11. C. Pappa, S. Kavoukis, S. Torofias, P. Soldatos, A. Margellou, K. Triantafyllidis, "Lignin-based epoxy and P-F resins: synthesis, properties and chemical recycling", 14th Hellenic Polymer Society Conference, 22-25/11, Thessaloniki, Greece
12. A. Margellou, S. Torofias, C. Pappa, P. Soldatos, A.I. Karras, G. Iakovou, E. Psochia, K. Rekos, S. Ioannidou, K. Triantafyllidis, "Integrated biorefinery of lignocellulosic biomass towards bio-based chemicals, polymers and fuels", 1st Aristotle Conference on Chemistry, Thessaloniki, Greece, 12-15/11 (poster)
13. A. Margellou, E. Psochia, S. Torofias, C. Pappa, E. Salonikidou, D. Giannakoudakis, R.F. Colmenares-Quintero, J.C. Colmenares, K. Triantafyllidis, "Integrated biorefinery of cocoa bean shell wastes towards added-value products, 1st Aristotle Conference on Chemistry, Thessaloniki, Greece, 12-15/11 (poster)
14. A.-I. Karras, A. Margellou, K. Triantafyllidis, "Catalytic Hydrogenation of Furfural towards High-Value added Chemicals and Fuel additives", 1st Aristotle Conference on Chemistry, Thessaloniki, Greece, 12-15/11 (poster)
15. P. Soldatos, A. Margellou, S. Torofias, C. Pappa, K. Triantafyllidis, "Conversion of Kraft and Organosolv Lignin through Fast Pyrolysis and In Situ Catalytic Upgrading Towards Aromatic and Phenolic-Rich Bio-oil", 1st Aristotle Conference on Chemistry, Thessaloniki, Greece, 12-15/11 (poster)
16. S. Ioannidou, F. Stefanis, A. Margellou, K. Triantafyllidis, "Catalytic dehydration of xylose in aqueous and biphasic systems over zeolitic catalysts", 1st Aristotle Conference on Chemistry, Thessaloniki, Greece, 12-15/11 (poster)
17. P. Soldatos, A. Margellou, S. Torofias, V.-L. Yfanti, A. Lemonidou, K. Triantafyllidis, "In-situ catalytic upgrading of plastic waste fast pyrolysis oil", 6th EuChemS Conference on Green and Sustainable Chemistry, Salerno, Italy, 3-6/9 (oral)
18. A. Margellou, E. Mandela, G.E. Marnellos, M. Konsolakis, K. Triantafyllidis, Layered Double Hydroxide derived mixed-oxides as catalysts in CO₂ Hydrogenation to light olefins", 6th EuChemS Conference on Green and Sustainable Chemistry, Salerno, Italy, 3-6/9 (poster)
19. G. Iakovou, S. Kavoukis, A. Margellou, S. Torofias, K. Triantafyllidis, "Catalytic upgrading of microalgae biomass fast pyrolysis oil to added-value chemicals", 6th EuChemS Conference on Green and Sustainable Chemistry, Salerno, Italy, 3-6/9 (poster)
20. K. Rekos, A. Margellou, L. Papadopoulos, N. Malitowski, T. Robert, D. Bikiaris, K. Triantafyllidis, "Hydrogenation/hydrogenolysis of glucose-rich streams towards sugar alcohols and their use in the production of UV-curable polyester resins", 6th EuChemS Conference on Green and Sustainable Chemistry, Salerno, Italy, 3-6/9 (poster)

21. A. Margellou, F. Zormpa, S. Torofias, A. Correa de Araujo, A. Funke, K. Triantafyllidis, "Catalytic hydrodeoxygenation of phenolic compounds and lignin pyrolysis bio-oils towards drop-in aviation fuels", 15th European Congress on Catalysis, Prague, Czech Republic, 27/8-1/9 (oral)
22. V.-L. Yfanti, H. Zoupidis, A. Margellou, K. Triantafyllidis, A. Lemonidou "Catalytic upgrading of waste plastic pyrolysis oil", 15th European Congress on Catalysis, Prague, Czech Republic, 27/8-1/9 (poster)
23. G. Iakovou, A. Margellou, K. Triantafyllidis, "Hydrodeoxygenation of model fatty acid compounds of microalgae oils by Ni catalysts supported on micro/mesoporous aluminosilicates", 15th European Congress on Catalysis, Prague, Czech Republic, 27/8-1/9 (poster)
24. S. Ioannidou, A. Margellou, A. Anukam, L. Matsakas, U. Rova, P. Christakopoulos, K. Triantafyllidis, "Catalytic dehydration of model xylose and real biomass pretreatment hemicellulose streams towards furfural enriched products", 15th European Congress on Catalysis, Prague, Czech Republic, 27/8-1/9 (poster)
25. K. Rekos, A. Margellou, Ch. Wurzer, O. Mašek, A. Anukam, L. Matsakas, U. Rova, P. Christakopoulos, K. Triantafyllidis, "Catalytic hydrogenation/hydrogenolysis of glucose rich streams over biochar/activated carbon supported metal catalysts for the production of sorbitol and smaller diols/glycols", 15th European Congress on Catalysis, Prague, Czech Republic, 27/8-1/9 (poster)
26. A. Margellou, E. Psochia, K. Triantafyllidis, "Isolation of highly crystalline cellulose via combined pretreatment/fractionation and extraction procedures within a biorefinery concept", ACS Fall 2023, San Francisco, USA, 13-17/8 (oral)
27. E. Psochia, A. Margellou, S. Torofias, D. Gkiliopoulos, E. Karagiannidis, E. Athanasiadou, N. Kehagias, K. Triantafyllidis, "Development of nanocellulose-reinforced polymeric adhesives/coatings with nanostructured surfaces", ACS Fall 2023, San Francisco, USA, 13-17/8 (oral)
28. E. Mandela, A. Margellou, G. Varvoutis, A. Lampropoulos, K. Triantafyllidis, M. Konsolakis, G. Marnellos, "Effect of reaction conditions and pretreatment protocol on CO₂ hydrogenation to light olefins over Layered Double Hydroxide catalysts", 8th International Conference on Biorefinery and Biomanufacturing, ICB 2023, Athens, Greece, 23-27/7 (oral)
29. A. Araujo, A. Funke, A. Margellou, K. Triantafyllidis, N. Dahmen, "Overcoming challenges in fast pyrolysis of lignin: Strategies and experiments", Pyroliq II-2023: Pyrolysis and liquefaction of biomass and wastes, Schloss Hernstein, Austria, 7-12/5 (poster)
30. E. Psochia, A. Margellou, S. Torofias, K. Triantafyllidis, "Top-down production of cellulose micro/nanoparticles following an integrated biorefinery approach", 7th Green and Sustainable Chemistry Conference, Dresden, Germany, 22-24/5 (poster)
31. A. Margellou, C. Pappa, S. Ioannidou, F. Zormpa, E. Psochia, Z.-L. Koutsogianni, K. Rekos, S. Torofias, P. Soldatos, G. Iakovou, K. Triantafyllidis "Lignin valorization towards fuels, chemicals and polymers", WIRE meeting, Thessaloniki, Greece, 29-30/3 (poster)
32. A. Margellou, C. Pappa, F. Zormpa, S. Torofias, P. Soldatos, G. Iakovou, K. Triantafyllidis, "Case studies of lignin valorization towards fuels, chemicals and polymers", Lignocost meeting, Pisa, Italy, 2-3/3 (poster)

2022:

33. A. Margellou, F. Zormpa, S. Torofias, K. Triantafyllidis, "Catalytic hydrodeoxygenation of phenolic compounds and lignin pyrolysis bio-oil", 16th Panhellenic Symposium of Catalysis, Chania, Greece, 20-22/10 (oral)

34. K. Rekos, A. Margellou and K. Triantafyllidis, "Glucose hydrogenation/hydrogenolysis towards sugar alcohols over Pt/Ru catalysts supported on micro/mesoporous activated carbon", 16th Panhellenic Symposium of Catalysis, Chania, Greece, 20-22/10 (poster)
35. A. Margellou, I. Tzelepi, S. Torofias, K. Triantafyllidis, "Fast pyrolysis of lignins towards phenolic/aromatic bio-oils", 16th Panhellenic Symposium of Catalysis, Chania, Greece, 20-22/10 (oral)
36. S. Ioannidou, A. Margellou, K. Triantafyllidis, Catalytic dehydration of xylose and hemicellulose streams towards primary hydrocarbons oxygenates, 16th Panhellenic Symposium of Catalysis, Chania, Greece, 20-22/10 (poster)
37. F. Zormpa, A. Margellou, K. Triantafyllidis, "Hydrodeoxygenation of lignin bio-oil model compounds over nickel-based catalysts supported on zeolites", 16th Panhellenic Symposium of Catalysis, Chania, Greece, 20-22/10 (poster)
38. E. Psochia, A. Margellou, K. Triantafyllidis, "Nanocellulose: From biomass to high potential nanomaterials", 10th Journées Méditerranéennes Des Jeunes Chercheurs (JMJC 2022), Nice, France, 13-14/10 (poster)
39. A. Margellou, F. Zormpa, S. Kavoukis, S. Torofias, K. Triantafyllidis, "Micro/mesoporous zeolitic catalysts for lignin valorisation to chemicals and fuels", 8th ENMIX Workshop "Nanoporous Materials for a Sustainable Development", Thessaloniki, Greece, 6-7/10 (oral)
40. A. Margellou, F. Zormpa, S. Torofias, E. Delli, A. Correa de Araujo, A. Funke, L. Matsakas, U. Rova, P. Christakopoulos, K. Triantafyllidis, "Catalytic hydrodeoxygenation of lignin pyrolysis bio-oil towards transportation fuels", 9th IUPAC International Conference on Green Chemistry, Athens, Greece, 5-9/9 (oral)
41. S. Ioannidou, A. Margellou, K. Triantafyllidis, "Xylose and hemicellulose sugar streams dehydration to furfural in aqueous and biphasic", 9th IUPAC International Conference on Green Chemistry, Athens, Greece, 5-9/9 (poster)
42. A. Margellou, E. Psochia, S. Torofias, K. Triantafyllidis, "Tailored pretreatment/fractionation of forest and agricultural biomass towards selective isolation of lignin, hemicellulose and cellulose", 9th IUPAC International Conference on Green Chemistry, Athens, Greece, 5-9/9 (poster)
43. C. Pappa, S. Torofias, A. Margellou, E. Papadopoulou, C. Markessini, K. Triantafyllidis, "Bio-based P-F resins for wood-based panels by substituting phenol and formaldehyde with lignin derived phenolics and biomass-based furfural", 9th IUPAC International Conference on Green Chemistry, Athens, Greece, 5-9/9 (poster)
44. K. Rekos, A. Margellou, K. Triantafyllidis, "Glucose hydrogenation/hydrogenolysis towards sugar alcohols over Pt/Ru catalysts supported on micro/mesoporous activated carbon", 9th IUPAC International Conference on Green Chemistry, Athens, Greece, 5-9/9 (poster)
45. F. Zormpa, A. Margellou, V.-L. Yfanti, K. Triantafyllidis, "Catalytic hydrodeoxygenation (HDO) of lignin-derived phenolic compounds over zeolite-supported nickel catalysts", 9th IUPAC International Conference on Green Chemistry, Athens, Greece, 5-9/9 (poster)
46. G. Iakovou, A. Margellou, K. Triantafyllidis, "Hydrodeoxygenation of oleic acid over Ni catalysts supported on Beta zeolite", 9th IUPAC International Conference on Green Chemistry, Athens, Greece, 5-9/9 (poster)
47. G. Pouroutzidou, E. Deli, C. Papoulia, A. Margellou, D. Gkiliopoulos, G. Vourlias, K. Chrissafis, K. Triantafyllidis, D. Bikiaris, E. Kontonasaki, "The Effect of pH Value on the Properties of MCM-41 Calcium and Cerium Doped Silica-Based Mesoporous Nanoparticles", 32nd Annual Conference of the European Society for Biomaterials, 4-8/9, Bordeaux, France (poster)

48. S. Kavoukis, C. Pappa, A. Margellou, K. Triantafyllidis, Waste particle board valorization via fast (catalytic) pyrolysis towards value-added chemicals and fuels, 9th International Conference on Sustainable Solid Waste Management, Corfu, Greece, 15-17/6 (oral)
49. A. Margellou, E. Psochia, K. Triantafyllidis, “Integrated biorefinery approach towards (nano)cellulose, furanics and phenolic value-added chemicals”, International Symposium on Green Chemistry 2022, La Rochelle, France, 16-20/5 (oral)
50. A. Margellou, S. Kavoukis, A. Correa de Araujo, A. Funke, L. Matsakas, U. Rova, P. Christakopoulos, K. Triantafyllidis, “Organosolv lignin valorization via fast pyrolysis towards jet hydrocarbon fuels”, International Symposium on Green Chemistry 2022, La Rochelle, France, 16-20/5 (oral)
51. A. Margellou, E. Psochia, K. Rekos, S. Torofias, C. Pappa, S. Ioannidou, F. Zormpa, S. Kavoukis, K. Triantafyllidis, “Integrated biorefinery for waste lignocellulosic biomass valorization to chemicals, fuels and polymers”, 30rd European Biomass Conference and Exhibition, Marseille, France, 9-12/5, Online (oral)
52. K. Triantafyllidis, A. Margellou, K. Rekos, S. Kavoukis, C. Pappa, A. Fotopoulos, “Fast pyrolysis of lignin towards aromatics, phenolics and crude bio-oils”, 30rd European Biomass Conference and Exhibition, Marseille, France, 9-12/5, Online (oral)
53. L. Baibouti, P. Papamichail, A. Margellou, E. Deliyanni, “Effect of water during the synthesis of g-C₃N₄ from urea and melamine in the degradation of Reactive Black 5”, 5th Conference of under- and post-graduate students, Aristotle University of Thessaloniki, Thessaloniki, Greece, 2-3/4 (poster)
54. E. Psochia, A. Margellou, K. Triantafyllidis, “Production of nanocellulose by lignocellulosic biomass via mechanical and chemical processes for the reinforcement of polymers”, 5th Conference of under- and post-graduate students, Aristotle University of Thessaloniki, Thessaloniki, Greece, 2-3/4 (oral)
55. K. Triantafyllidis, A. Margellou, K. Rekos, S. Kavoukis, C. Pappa, A. Fotopoulos, “Fast pyrolysis of lignin towards aromatics, phenolics and crude bio-oils”, ACS Spring 2022, San Diego, USA, 20-24/3, Online (oral)
56. A. Margellou, E. Psochia, K. Rekos, S. Torofias, C. Pappa, S. Ioannidou, F. Zormpa, S. Kavoukis, K. Triantafyllidis, “Integrated biorefinery for waste lignocellulosic biomass valorization to chemicals, fuels and polymers”, ACS Spring 2022, San Diego, USA, 20-24/3, Online (oral)
57. E. Psochia, A. Margellou, D. Gkiliopoulos, E. Karagiannidis, E. Athanasiadou, N. Kehagias, K. Triantafyllidis, “Production and use of nanocellulose for the reinforcement of epoxy and formaldehyde-based resins”, ACS Spring 2022, San Diego, USA, 20-24/3, Online (oral)

2021:

58. E. Psochia, A. Margellou, K. Triantafyllidis, “Production of (nano)cellulose from agricultural and lignocellulosic biomass”, 13th Hellenic polymer society international conference, 12-16/12, online (poster)
59. C. Pappa, A. Margellou, E. Papadopoulou, C. Markessini, K. Triantafyllidis, “Catalytic condensation of phenolic and furanic biomass-derived monomers in the production of bio-based PF resols”, 6th Green & Sustainable Chemistry Conference, Thessaloniki, Greece, 16-18/11, online (poster)
60. A. Margellou, E. Psochia, K. Triantafyllidis, “Integrated biorefinery approach towards (nano)cellulose and valorization of hemicellulose and lignin streams”, 5th EuChemS Conference on Green and Sustainable Chemistry, Thessaloniki, Greece, 26-29/9, (oral)
61. S. Kavoukis, G. Iakovou, A. Margellou, G. Papapanagiotou, O. Lortou, M. Panou, V. Rousonikolos, D. Gkoutzikostas, N. Korovesis, S. Gkelis, G. Zalidis, K. S. Triantafyllidis, “Biomass characterization and b-carotene extraction from microalgae cultured under stress conditions (*Dunaliella* spp.) towards

- production of high-added value products”, 5th EuChemS Conference on Green and Sustainable Chemistry, Thessaloniki, Greece, 26-29/9 (poster)
62. E. Papadopoulou, E. Athanasiadou, D. Moutousidis, C. Pappa, A. Margellou, K. Triantafyllidis, “Green phenol formaldehyde (PF) resins for plywood production by utilizing lignin fast pyrolysis oils”, 5th EuChemS Conference on Green and Sustainable Chemistry, Thessaloniki, Greece, 26-29/9, (poster)
 63. E. Psochia, A. Margellou, K. Triantafyllidis, “Nanocellulose production by mechanical treatment and utilization as green additive in urea formaldehyde (UF) resins”, 5th EuChemS Conference on Green and Sustainable Chemistry, Thessaloniki, Greece, 26-29/9 (poster)
 64. D. Manos, F. Papadopoulou, A. Margellou, D. Petrakis, I. Konstantinou, “Heterogeneous activation of persulfate by LaMO₃ (M=Co, Fe, Cu, Mn, Ni) perovskite catalysts for SO₄^{•-} based degradation of phenolic compounds”, 5th EuChemS Conference on Green and Sustainable Chemistry, Thessaloniki, Greece, 26-29/9 (poster)
 65. A. Margellou, K. Triantafyllidis, “Reductive depolymerization of various lignin types by metal catalysts supported on micro/mesoporous carbon”, Lignocost meeting, 1-2/9, 2021 (oral)
 66. E. Karagiannidis, E. Athanasiadou, D. Moutousidis, E. Psochia, A. Margellou, K. Triantafyllidis, “Cellulosic materials in adhesive systems for wood-based panels”, 18th International Conference on Nanosciences & Nanotechnologies, Thessaloniki, Greece, 6-9/7 (oral)
 67. S. Ioannidou, A. Margellou, K. Triantafyllidis, “Winery wastes valorization based on the “integrated biorefinery” concept”, THESSALONIKI 2021 8th International Conference on Sustainable Solid Waste Management, Thessaloniki, Greece, 23-25/6 (oral)
 68. K. Rekos, A. Margellou, G. Dedes, A. Karnaouri, E. Topakas, K. Triantafyllidis, “Valorization of waste lignocellulosic biomass towards furanics and organic acids”, THESSALONIKI 2021 8th International Conference on Sustainable Solid Waste Management, Thessaloniki, Greece, 23-25/6 (poster)
 69. A. Margellou, C. Pappa, D. Moutousidis, E. Athanasiadou, K. Triantafyllidis, “Hydrothermal pretreatment and fractionation of agricultural lignocellulosic waste biomass towards furanics and lignin-based chemicals”, THESSALONIKI 2021 8th International Conference on Sustainable Solid Waste Management, Thessaloniki, Greece, 23-25/6 (poster)
 70. K. Triantafyllidis, A. Margellou, K. Rekos, C. Pappa, A. Fotopoulos, “Lignin-Based Biorefinery: Monomers, Polymers and Fuels from Hydrolysis, Organosolv and Kraft Lignin”, EUBCE 2021-29th European Biomass Conference and Exhibition, Marseille, France, 26-29/4, online (poster)
 71. A. Margellou, K. Rekos, A. Fotopoulos, K. Triantafyllidis, “Catalytic hydrogenolysis of lignin towards the production of phenolic bio-oils”, IV Scientific-Technological Symposium Catalytic hydroprocessing in oil refining STS HydroCat, Thessaloniki, Greece, 26-30/4, online (oral)
 72. F. Zormpa, A. Margellou, K. Triantafyllidis, “Catalytic conversion of lignin into phenolic and aromatic compounds”, 4th Conference of under- and post-graduate students, Aristotle University of Thessaloniki, Thessaloniki, Greece, 20-21/3, online (oral)
 73. F. Zormpa, A. Margellou, K. Triantafyllidis, “Valorization of lignocellulosic biomass towards the production of phenolic and aromatic monomers”, 1st Online Conference of New scientists: Fossil sources-Environment-Chemical Engineering, Kozani, Greece, 26-28/2 (oral)
 74. S. Kavoukis, G. Papapanagiotou, G. Iakovou, A. Margellou, O. Lortou, M. Panou, V. Rousonikolos, D. Goutzikostas, N. Korovesis, G. Zalidis, S. Gkelis, K. Triantafyllidis, “Characterization and b- carotene extraction of Dunalliella microalgae towards added value chemicals”, 1st Online Conference of New scientists: Fossil sources-Environment-Chemical Engineering, Kozani, Greece 26-28/2 (oral)

2020:

75. A. Margellou, C. Nitsos, K. Triantafyllidis, "Pretreatment/fractionation and conversion of lignocellulosic biomass towards enhanced furanics production", Fur4Sustain Xmas Meeting, COST action, 17-18/12/2020 (oral)
76. S. Ioannidou, A. Margellou, K. Triantafyllidis, "Biorefinery of winery waste and by-products", 7th Environmental Conference of Macedonia, Thessaloniki, Greece, 30/10-1/11 (oral)
77. C. Pappa, D. Giliopoulos, A. Margellou, A. Fotopoulos, K. Triantafyllidis, "Epoxy resins with paper industry residues as additives: the case of kraft and organosolv lignins", 7th Environmental Conference of Macedonia, Thessaloniki, Greece, 30/10-1/11 (oral)
78. A. Margellou, F. Zormpa, K. Triantafyllidis, "Valorization of agricultural and food industry lignocellulosic wastes towards the production of phenolic monomers", 7th Environmental Conference of Macedonia, Thessaloniki, Greece, 30/10-1/11 (oral)
79. S. Kavoukis, G. Iakovou, A. Margellou, G. Papapanagiotou, O. Lortou, M. Panou, S. Gkelis, G. Zalidis, K. Triantafyllidis, "Utilization of microalgae for the production of added value chemical products", 7th Environmental Conference of Macedonia, Thessaloniki, Greece, 30/10-1/11 (poster)
80. K. Triantafyllidis, A. Margellou, K. Rekos, C. Pappa, A. Fotopoulos, "Valorization of lignin towards chemicals, fuels and polymers", BERSTIC 2020: II International Congress on Biorefineries and Renewable Energies, Colombia, 17-20/2 (oral)

2019:

81. S. Ioannidou, A. Margellou, K. Triantafyllidis, "Winery wastes valorization to value added chemicals", 3rd Conference for under- and post-graduate students of Chemistry, Aristotle University of Thessaloniki, Thessaloniki, Greece, 22-23/11 (oral)
82. C. Pappa, D. Giliopoulos, A. Margellou, A. Fotopoulos, K. Triantafyllidis, "Valorization of lignin as epoxy polymer bio-additive", 3rd Conference for under- and post-graduate students of Chemistry, Aristotle University of Thessaloniki, Thessaloniki, Greece, 22-23/11 (oral)
83. A. Margellou, K. Rekos, K. Triantafyllidis, "Valorization of agricultural and food industry wastes towards the production of fuels and value-added chemicals", Invalor Scientific workshop, Chania, Greece, 15/11 (oral)
84. C. Pappa, D. Giliopoulos, A. Margellou, A. Fotopoulos, K. Triantafyllidis, "Valorization of lignin as epoxy polymer bio-additive", 6th Panhellenic Conference Green Chemistry and Sustainable Development, Athens, Greece, 18-20/10 (poster)
85. A. Margellou, K. Rekos, C. Pappa, A. Fotopoulos, K. Triantafyllidis, "Integrated biorefinery or lignocellulosic biomass valorization to fuels and chemicals", 6th Panhellenic Conference Green Chemistry and Sustainable Development, Athens, Greece, 18-20/10 (oral)
86. A. Margellou, K. Rekos, C. Pappa, K. Triantafyllidis, "Hemicellulose and lignin biomass streams valorization via catalytic hydrogenation/hydrogenolysis reactions", 6th Panhellenic Conference Green Chemistry and Sustainable Development, Athens, Greece, 18-20/11 (oral)
87. A. Margellou, K. Triantafyllidis, "Catalytic hydrogenolysis of kraft lignin towards substituted phenolics", V International Conference CATALYSIS FOR RENEWABLE SOURCES: FUEL, ENERGY, CHEMICALS, Crete, Greece, 2-6/9 (oral)
88. E. Mitsiakou, A. Margellou, K. Rekos, K. Triantafyllidis, "Valorization of hemicellulose-biomass side streams via catalytic hydrogenation into value added chemicals and fuels", 7th International Conference on Sustainable Solid Waste Management Crete Island, Greece, 26-29/6 (oral)

89. A. Margellou, K. Triantafyllidis, "Valorization of agricultural and food industry wastes towards the production of value-added chemicals: A holistic approach", 17th International Conference on Chemistry and the Environment, Thessaloniki, Greece, 16-20/6 (oral)

2018:

90. A. Margellou, P. Lazaridis, I. Charisteidis, A. Fotopoulos, S. Karakoulia, K. Triantafyllidis, "Catalytic valorization of lignin via pyrolysis and hydrogenolysis of processes towards the production of value-added chemicals", 2nd Conference for under- and post-graduate students of Chemistry, Aristotle University of Thessaloniki, Thessaloniki, Greece, 2-3/11 (oral)
91. C. Pappa, R. Kokoli, D. Giliopoulos, K. Karagiannidis, A. Fotopoulos, P. Lazaridis, A. Margellou, K. Triantafyllidis, "Organosolv and Kraft lignin as additive in epoxy resins", 2nd Conference for under- and post-graduate students of Chemistry, Aristotle University of Thessaloniki, Thessaloniki, Greece, 2-3/11 (oral)
92. A. Margellou, P. Lazaridis, I. Charisteidis, A. Fotopoulos, S. Karakoulia, K. Triantafyllidis, "Production of aromatic and phenolic compounds via the pyrolysis and hydrogenolysis of lignin", 15th Panhellenic Symposium of Catalysis, Ioannina, Greece, 18-20/10 (oral)
93. D. Giliopoulos, R. Kokoli, K. Karagiannidis, C. Pappa, A. Fotopoulos, P. Lazaridis, A. Margellou, K. Triantafyllidis, "Epoxy polymer additives derived from lignocellulosic biomass: the case of organosolv and kraft lignin", 12th Hellenic Polymer Society International Conference (POLYCONF12) Ioannina, Greece, 30/9-3/10 (oral)
94. K. Triantafyllidis, A. Margellou, C. Nitsos, P. Lazaridis, E. Mitsiakou, "Selective fractionation and conversion of biomass via thermochemical and (bio)catalytic processes", EBC-VII & ISEB-2018 Joint Conference, Chania, Greece, 25-28/6 (oral)
95. P. Lazaridis, I. Charisteidis, A. Margellou, A. Asteriadis, K. Triantafyllidis, "Catalyst screening in fast pyrolysis of biomass using the Py-GC/MS system", 4th Workshop & 5th MC Meeting, Thessaloniki, Greece 12-14/3 (poster)
96. R. Kokoli, D. Giliopoulos, K. Karagiannidis, X. Pappa, A. Fotopoulos, P. Lazaridis, A. Margellou, K. Triantafyllidis, "Organosolv and kraft lignin as epoxy polymer bio-additive", 4th Workshop & 5th MC Meeting, Thessaloniki, Greece 12-14/3 (poster)

2017:

97. A. Margellou, T. Vaimakis, D. Petrakis, P. Pomonis, "Synthesis and catalytic activity of La(Sr)Fe(Co)O₃ perovskites", 5th Chemistry Conference, Dep. of Chemistry, University of Ioannina, Ioannina, Greece, 29-30/9 (oral)
98. A. Margellou, T. Vaimakis, D. Petrakis, P. Pomonis, "Effect of cation substitution on the catalytic activity of La_{1-x}Sr_xFe_{1-y}Co_yO₃ perovskites for NO reduction by CO", 13th European Congress on Catalysis- EuropaCat-XIII, Florence, Italy, 27-31/8 (poster)

2016:

99. A. Margellou, D. Petrakis, P. Pomonis, "N₂O decomposition over Mn_xCo_{3-x}O₄ spinels", 22nd Panhellenic Chemistry Conference, AUTH, Thessaloniki, Greece, 2-4/12 (oral)
100. E. Tsetsou, A. Margellou, M. Kapnisti, M. Karabela, T. Vaimakis, G. Papageorgiou, "Synthesis and study of thermal properties of biodegradable polymers blends PBTA and PLA", 22nd Panhellenic Chemistry Conference, AUTH, Thessaloniki, Greece, 2-4/12 (poster)

101. E. Tsetsou, A. Margellou, D. Achilias, G. Papageorgiou, "Biodegradable blends of PBS and PBTA", 22nd Panhellenic Chemistry Conference, AUTH, Thessaloniki, Greece, 2-4/12 (poster)
102. A. Margellou, T. Vaimakis, D. Petrakis, P. Pomonis, "Effect of oxygen reverse uptake on N₂O decomposition over La_{1-x}Sr_xFeO₃", Athens International Catalysis Symposium 2016, National and Capodistrian University of Athens, Athens, Greece, 3-4/11 (oral)
103. A. Margellou, I. Papadas, D. Petrakis, G. Armatas, P. Pomonis, "Mesoporous LaFeO₃ perovskites synthesized via templated assembly method using amino acids", 7th Panhellenic Symposium of Porous Materials, Ioannina, Greece, 2-4/6 (oral)
104. A. Margellou, T. Vaimakis, D. Petrakis, "Correlation of perovskite catalytic activity with oxygen thermogravimetric O₂ temperature-programmed reverse uptake experiments", 7th Panhellenic Conference on Thermal Analysis, Ioannina, Greece, 27-29/5 (oral)
105. E. Assanti, E. Tzioli, P. Anagnostakis, E. Tsetsou, A. Margellou, E. Papastergiadis, G. Papageorgiou, "Study of biodegradable PBTA- PBS blends", 7th Panhellenic Conference on Thermal Analysis, Ioannina, Greece, 27-29/5 (poster)
106. E. Assanti, E. Tzioli, P. Anagnostakis, E. Tsetsou, A. Margellou, A. Badeka, M. Kapnisti, G. Papageorgiou, "Thermal properties of biodegradable PBTA-PLA blends", 7th Panhellenic Conference on Thermal Analysis, Ioannina, Greece, 27-29/5 (poster)

2015:

107. A. Margellou, D. Petrakis, P. Pomonis, "Effect of the preparation method of La_{1-x}Sr_xFeO₃ perovskites on the N₂O decomposition", 12th European Congress on Catalysis - EuropaCat-XII, Kazan, Russia, 30/8- 5/9 (poster)

2014:

108. A. Margellou, A. Koutsouki, D. Petrakis, G. Manos, M. Kontominas, P. Pomonis, "Biodiesel production using mineral MgO. The role of PVA at the synthesis of catalysts", 22th International Conference on Materials and Technology, Portorož, Slovenia, 20-22/10 (oral)
109. A. Margellou, A. Koutsouki, D. Petrakis, G. Manos, M. Kontominas, P. Pomonis, "Effect of the preparation method of catalyst on the heterogeneous biodiesel production", 13th Panhellenic Catalysis Symposium, Old Saint Athanasios, 16-18/10 (oral)
110. A. Koutsouki, A. Margellou, M. Kontominas, P. Pomonis, G. Manos, "Ultrasound assisted in situ transesterification of cynara cardunculus L. for the production of biodiesel", 1st International Conference on Green Chemistry and Sustainable Engineering, Barcelona, Spain, 29- 31/7 (poster)
111. A. Margellou, A. Koutsouki, D. Petrakis, G. Manos, M. Kontominas, P. Pomonis, "Heterogeneous catalyzed biodiesel production over mineral MgO", 1st International Conference on Green Chemistry and Sustainable Engineering, Barcelona, Spain, 29-31/7 (oral)

2013:

112. A. Margellou, D. Petrakis, P. Pomonis, "Normal or Anomalous Diffusion effects and Pore Connectivity during N₂O decomposition on porous catalysts Al₂O₃/M⁺ⁿ", 11th European Congress on Catalysis - EuropaCat-XI, Lyon, France, 1-6/9 (oral)
113. A. Margellou, D. Petrakis, P. Pomonis, "Determination of the external mass transfer characteristic values during the decomposition of N₂O on spinels CoAl₂O₄", 11th European Congress on Catalysis - EuropaCat-XI, Lyon, France, 1-6/9 (poster)
114. A. Margellou, D. Petrakis, P. Pomonis, "Calculation of mass transfer coefficient of N₂O decomposition on CoAl₂O₄ spinels", 6th Panhellenic Symposium of Porous Materials, Kavala, Greece, 9-10/9 (oral)

115. V. Belessi, A. Margellou, M. Lassithiotaki, D. Petrakis, P. Pomonis, "External Mass transfer phenomena during the catalytic methane oxidation on perovskites $\text{La}_{1-x-y}\text{Sr}_x\text{Ce}_y\text{FeO}_3$ ", 9th Panhellenic Conference of Chemical Engineering, Athens, Greece, 23-25/5 (oral)
116. P. Dragani, A. Margellou, D. Petrakis, P. Pomonis, "Pore Connectivity and transition temperature from chemical reaction to internal diffusion during the catalytic N_2O decomposition", 9th Panhellenic Conference of Chemical Engineering, Athens, Greece, 23-25/5 (oral)
117. A. Margellou, D. Petrakis, P. Pomonis, "Determination of external mass transfer characteristic values during N_2O decomposition over CoAl_2O_4 ", Postgraduate Studies Conference, Department of Chemistry, Ioannina, Greece, 28-30/3 (oral)
118. P. Dragani, A. Margellou, D. Petrakis, P. Pomonis, "Relation between pore connectivity and transition temperature from chemical reaction to internal diffusion in catalytic processes", Postgraduate Studies Conference, Department of Chemistry, Ioannina, Greece, 28-30/3 (oral)

2012:

119. A. Margellou, P. Dragani, D. Petrakis, P. Pomonis, "Effect of pore connectivity on the transition temperature from chemical reaction regime to diffusion regime at chemical processes", 12th Panhellenic Catalysis Symposium, Chania, Greece, 24-27/10 (oral)
120. A. Margellou, D. Petrakis, P. Pomonis, "External Mass transfer phenomena during N_2O decomposition", 12th Panhellenic Catalysis Symposium, Chania, Greece, 24-27/10 (poster)

Seminars (without presentation)

1. Energy crops, an alternative solution for environmental protection, C.E.E Arach, Arta, 15/5/2014
2. Sustainable Development in coastal areas, University of Ioannina and Balkan Environmental Association, 29/6- 01/7/2011
3. Science and Patents, European Patent office, University of Ioannina, 06/04/2011
4. Biodiversity and Productivity at Lake Pamvotis, Department of Biological Applications and Technology, University of Ioannina, 15/01/2011
5. The role of chemist in the society and development, Greek Chemist Association, Ioannina, 07/05/2010
6. Hygiene and safety in laboratories, Department of Chemistry, University of Ioannina, 02/04/2008

Personal Skills

Languages	Greek (mother tongue) English (Lower- University of Michigan, Level B2 and C1-Common European Framework of Reference for Languages)
Computer Skills	ECDL in MS Office (Word, Excel, Internet), Origin Lab, Chem Office, Chem Draw

Journal editorial board and Reviewer

Guest Editor	New Challenges in Lignocellulosic Biomass Conversion, Energies, MDPI Conversion of Biomass into liquid fuels and chemicals, Energies, MDPI Biopolymers, Bio-Based Polymers and Their Composites for Medical and Pharmaceutical Applications, Molecules, MDPI
Review Editor	Catalytic Remediation, Frontiers in Environmental Chemistry Physical Properties of metals, Frontiers in Environmental Chemistry

Reviewer Applied Catalysis, Cell Reports Physical Sciences, Chemistry Select, Current Opinion in Green and Sustainable Chemistry, Industrial & engineering chemistry research, Journal of solid-state chemistry, Sustainable chemistry for the environment, Energies, Molecules, Catalysts, Environments, Processes, Reactions, Reactions Kinetics, Mechanisms and Catalysis

Conferences Organizing committee

- Organizing committee, 9th IUPAC International Conference on Green Chemistry, 5-9/9, 2022, Athens
- Organizing committee, 5th EuChemS Conference on Green and Sustainable Chemistry, 26-29/9, 2021
- Organizing committee, 7th Environmental Conference of Macedonia, 30/10-1/11, 2022, Thessaloniki

Membership

- American Chemical Society, Divisions of Catalysis Science and Technology (CATL), Cellulose and Renewable Materials (CELL), Environmental Chemistry (ENVR)
- Young European Catalysis Network
- Association of Greek Chemists
- Greek Bioeconomy Forum