

CURRICULUM VITAE

PERSONAL INFORMATION

SURNAME: PAPPA

NAME: CHRISTINA

DATE OF BIRTH: 25 NOVEMBER 1993

PLACE OF BIRTH: IOANNINA, GREECE

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EDUCATION

7.2018-Today

PhD Student

Department of Chemistry, Aristotle University of Thessaloniki

Thesis title: "Utilization of lignin for the production of new polymers and composites"

Advisory Committee: Prof. K.S. Triantafyllidis (Supervisor), Prof. P. Spathis, Prof. D. Bikiaris

11.2016-07.2018

Master of Science (MSc) in Chemistry and Materials Technology

Department of Materials Science and Engineering, University of Ioannina

Title: "Novel combinational polymeric matrix systems with inorganic substrates towards the production of controlled drug release formulations"

Supervisor: Prof. A. Avgeropoulos

9.2011-11.2016

Bachelor's Degree (B.Sc.) in Materials Science and Engineering

Department of Materials Science and Engineering, University of Ioannina

Title: "Synthesis and characterization of novel scaffolds aimed for implantation in myocardium after acute infraction, based on an alginate-hydrogel/growth-factors delivery system, using as coupling materials meso-porous SBA-15-type materials or magnetic Fe nano-particles"

Supervisor: Prof. S. Agathopoulos

RESEARCH PROJECTS – TRAINING

1.2024 - Today

"European Sustainable BIObased nanoMAterials Community (BIOMAC)"

Project Coordination: AUTH (Prof. D. Bikiaris), AUTH partner 1,101,250 Euros, and other 32 EU academic, research and industry partners. Funding: H2020 (H2020-NMBP-TO-IND-2018-2020, DT-NMBP-04-2020, IA), 2021-2024. Group leader and Main researcher of AUTH team.

3.2023 – 9.2023

"Development of innovative nanocellulose-reinforced composite wood products with advanced hydrophobic and antimicrobial properties (CELL4GLUE)" Aristotle University of Thessaloniki (Coordinator), CHIMAR S.A., NANOTYPOS S.A. Funding: «Special Actions "Aquaculture" - "Industrial

Materials" - "Open Innovation In Culture"», co-financed by EU - European Regional Development Fund and Greek national funds through the Operational Program Competitiveness, Entrepreneurship and Innovation (EPAnEK 2014-2020) (project code: T6YBΠ-00341), 2020-2023. Project Coordinator and Principal Investigator; AUTH. Participation in the *characterization of nanocellulose-reinforced resins*.

- 11.2022 – 11.2023** *"Toxic Free metallization process for plastic surfaces (FreeMe)"* Project coordination: GASER OSSIDO DURO SRL GASER) (Italy), AUTH as partner (Greece; 364,375 Euros) and other 10 EU academic, research and industry partners. Funding: Horizon Europe (HORIZON-CL4-2021-RESILIENCE-01-12), 2022-2026. Principal Investigator of AUTH. Participation in the *analysis and characterization of synthesized bio-based monomers and composite resins*.
- 9.2021 – 6.2022** *"Production of new polymers and composite materials utilizing phenolic and furanic platform molecules from biomass (BIORESOM)"* CHIMAR S.A. (Coordinator), Aristotle University of Thessaloniki (AUTH), Funding: Action "RESEARCH – CREATE – INNOVATE B' CALL" co-financed by EU- RDF and Greek national funds through Operational Program EPAnEK 2014-2020 (project code: T2EΔK-02205), 2020-2023. Principal Investigator: AUTH. Investigation of the *catalytic condensation of phenolic and furan monomers towards polymerization and formation of phenol-formaldehyde resin-type dimers and oligomers*. Participated in the *writing of the proposal*.
- 1.2020 – 3.2023** COST – European Cooperation in the field of Scientific and Technical Research: **Action CA17128**: "Establishment of a Pan-European Network on the Sustainable Valorisation of Lignin (LignoCOST)", 2018-2023 (Member – Participation in *WG3 (Industrial application requirements versus lignin properties)* and *WG4 (Development of value chains for lignin valorization)*).
- 9.2018-10.2019** *"Production of innovative high energy efficiency pipes for underfloor heating-cooling systems (SETHYEA)"*. Co-financed by EU - European Regional Development Fund and Greek national funds through the Operational Program Competitiveness, Entrepreneurship and Innovation (EPAnEK 2014-2020) (project code: T1EΔK-02611), 2014-2020.
- 5.2018 – Today** Research activity in the context of my *PhD thesis*, related to lignin isolation techniques from biomass, synthesis of polymers and resins, i.e., epoxy and phenol-formaldehyde (PF) resins, utilization of lignin, its bio-oils and monomers in the production of polymers and composites, surface chemical modification of lignin, characterization of lignin and polymers and composites with techniques like *FT-IR/ATR, NMR (¹H-, ¹³C-, ³¹P- and HSQC NMR), TGA, DSC, SEM, DMA, GPC, microscopy, study of mechanical properties like tensile and flexural strength, etc.*
- 05.2017-06.2018** Research work on controlled drug release in polymeric and inorganic composites (composite synthesis, characterization using *XRD, FT-IR, SEM, BET porosimetry, TGA/DSC, in-vitro dissolution, release kinetics* for my MSc thesis, at the Chemical and Environmental Technology Laboratory, Chemistry Department, Aristotle University of Thessaloniki in collaboration with Polymer Chemistry and Technology Lab, Department of Chemistry, Aristotle University of Thessaloniki and Polymers Lab, Department of Materials Science and Engineering, University of Ioannina

07.2015-08.2015 Training in synthesis and characterization of porous catalysts, like layered double hydroxides (LDHs), zeolites (ZSM-5) and mesoporous silicates (SBA-15) Chemical Process & Energy Resources Institute (CPERI), Center for Research and Technology Hellas (CERTH)), Themi, Thessaloniki.

RESEARCH VISITS AND TRAINING ABROAD

5.2022 – 6.2022 **Research visit** (Short Term Scientific Mission, STSM) and training on *glycidylation reactions of lignin bio-oils and depolymerized lignins and their utilization towards the production of bio-epoxy resins and composites*. The training took place at the "Flemish Institute for Technological Research (VITO)", Mol, Belgium, in the framework of the European project COST Action CA17128 (LignoCOST).

2.2020 – 3.2020 **Research visit** (Short Term Scientific Mission, STSM) and training on the *characterization of lignin by GPC and NMR*, at the "Department of Molecular Science and Nanosystems", Ca' Foscari University of Venice, Venice, Italy in the framework of the European project COST Action CA17128 (LignoCOST).

FUNDING – GRANDS

2019 - 2022

PhD Fellowship Grand from the Hellenic Foundation for Research and Innovation (H.F.R.I.) for the financial support of my research (Fellowship Number=967)

PROPOSAL DEVELOPMENT/WRITING (Awarded)

Participated on the **development** and **writing** of the below European and National Funded Projects:

1. "Toxic Free metallization process for plastic surfaces (**FreeMe**)" Project coordination: GASER OSSIDO DURO SRL GASER) (Italy), AUTH as partner (Greece; 364,375 Euros) and other 10 EU academic, research and industry partners. Funding: Horizon Europe (HORIZON-CL4-2021-RESILIENCE-01-12), 2022-2026.
2. "Production of new polymers and composite materials utilizing phenolic and furanic platform molecules from biomass (**BIORESOM**)" CHIMAR S.A. (Coordinator), Aristotle University of Thessaloniki (AUTH), Funding: Action "RESEARCH – CREATE – INNOVATE B' CALL" co-financed by EU- RDF and Greek national funds through Operational Program EPAnEK 2014-2020 (project code: T2EAK-02205), 2020-2023.

PUBLICATIONS

1. **Pappa, C.P.**; Cailotto, S.; Gigli, M.; Crestini, C.; Triantafyllidis, K.S.; Kraft (Nano)Lignin as Reactive Additive in Epoxy Polymer Bio-Composites. *Polymers*, 16 (4), 553. <https://doi.org/10.3390/polym16040553> (2024)
2. **Pappa, C.P.**; Torofias, S.; Triantafyllidis, K.S.; Sub-micro Organosolv lignin as bio-based epoxy polymer component: A sustainable curing agent and additive. *ChemSusChem*, 16, e202300076, <https://doi.org/10.1002/cssc.202300076> (2023)
3. Margellou, A.; **Pappa C.P.**; Psochia, E.; Petala, M.; Triantafyllidis, K.S.; *Mild isolation and characterization of surface lignin from hydrothermally pretreated lignocellulosic forestry and agro-industrial waste biomass*. *Sustain. Chem. Pharm.*, 33, 101056. <https://doi.org/10.1016/j.scp.2023.101056> (2023)
4. Terzopoulou, Z.; Xanthopoulou, E.; Pardalis, N.; **Pappa, C.P.**; Torofias, S.; Triantafyllidis, K.S.; Bikiaris, D.N. *Synthesis and Characterization of Poly(Lactic Acid) Composites with Organosolv Lignin*. *Molecules*, 27, 8143. <https://doi.org/10.3390/molecules27238143> (2022)
5. **Pappa, C.P.**; Feghali, E.; Vanbroekhoven K.; Triantafyllidis, K.S.; *Recent advances in epoxy resins and composites derived from lignin and related bio-oils*. *Curr. Opin. Green Sustain. Chem.*, 38, 100687. <https://doi.org/10.1016/j.cogsc.2022.100687> (2022)
6. Kalampokis, S.; Papamoschou, M.; Kalama, D.M.; **Pappa, C.P.**; Manthos, E.; Triantafyllidis, K.S.; *Investigation of the Characteristic Properties of Lignin-Modified Bitumen*. *CivilEng*, 3, 734-747. <https://doi.org/10.3390/civileng3030042> (2022)
7. Chatz-Giachia, A.; Psalti, A.E.; Pournara, A.D.; Manos, M.J.; **Pappa, C.**; Triantafyllidis, K.; Lazarides, T.; *Detection of nitrophenols with a fluorescent Zr(IV) metal-organic framework functionalized with benzylamino groups*. *J. Mater. Chem. C*, 10, 12307, <https://doi.org/10.1039/D2TC02494B> (2022)
8. Margellou A.; Lazaridis P.; Charisteidis I.; Nitsos C.; **Pappa C.**; Fotopoulos A.; Van den Bosch S.; Sels B.; 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*, 623, 118298. <https://doi.org/10.1016/j.apcata.2021.118298> (2021)
9. Pouroutzidou, G.K.; Liverani, L.; Theocharidou, A.; Tsamesidis, I.; Lazaridou, M.; Christodoulou, E.; Beketova, A.; **Pappa, C.**; Triantafyllidis, K.S.; Anastasiou, A.D.; Papadopoulou, L.; Bikiaris, D.N.; Boccaccini, A.R.; Kontonasaki, E. *Synthesis and Characterization of Mesoporous Mg- and Sr-Doped Nanoparticles for Moxifloxacin Drug Delivery in Promising Tissue Engineering Applications*. *Int. J. Mol. Sci.*, 22, 577. <https://doi.org/10.3390/ijms22020577> (2021)
10. **Pappa, C.**; Nanaki, S.; Giliopoulos, D.; Triantafyllidis, K.; Kostoglou, M.; Avgeropoulos, A.; Bikiaris, D. *Nanostructured Composites of Sodium Montmorillonite Clay and PEO Used in Dissolution Improvement of Aprepitant Drug by Melt Mixing*. *Appl. Sci.*, 8, 786. <https://doi.org/10.3390/app8050786> (2018)

PARTICIPATION IN NATIONAL/INTERNATIONAL CONFERENCES

- 1st Aristotle Conference on Chemistry-Advances and Challenges in Chemistry (ACC2023), "Lignin derived alternative to BPA: Guaiacol-based epoxy resins", Pappa C.P., Giliopoulos D., Boukas F., Efstathiadis D., Polychroniadis I., Raska G, Triantafyllidis K.S., 12-15 November 2023, Thessaloniki, Greece
- 1st Aristotle Conference on Chemistry-Advances and Challenges in Chemistry (ACC2023), "Synthesis and characterization of sugar-derived epoxy prepolymers: a potential bio-based substitute of BPA-based epoxy resins", Koutsogianni Z.L., Pappa C.P., Triantafyllidis K.S., 12-15 November 2023, Thessaloniki, Greece
- 1st Aristotle Conference on Chemistry-Advances and Challenges in Chemistry (ACC2023), "conversion of kraft and organosolv lignin through fast pyrolysis and in situ catalytic upgrading towards aromatic and phenolic-rich bio-oil", P. Soldatos, A. Margellou, S. Torofias, C.P. Pappa, K. Triantafyllidis, 12-15 November 2023, Thessaloniki, Greece
- 1st Aristotle Conference on Chemistry-Advances and Challenges in Chemistry (ACC2023), "Integrated biorefinery of lignocellulosic biomass towards bio-based chemicals, polymers and fuels", A. Margellou, S. Torofias, C.P. Pappa, P. Soldatos, A. I. Karras, G. Iakovou, E. Psochia, K. Rekos, S. Ioannidou, K. Triantafyllidis, 12-15 November 2023, Thessaloniki, Greece
- 1st Aristotle Conference on Chemistry-Advances and Challenges in Chemistry (ACC2023), "Integrated biorefinery of cocoa bean shell wastes towards added-value products", A. Margellou, E. Psochia, S. Torofias, C.P. Pappa, E. Salonikidou D. Giannakoudakis, R. F. Colmenares-Quintero, J. C. Colmenares, K. Triantafyllidis, 12-15 November 2023, Thessaloniki, Greece
- 9th IUPAC International Conference on Green Chemistry, "European Sustainable Biobased Nanomaterials Community (BIOMAC). From biomass pretreatment for monomers and additives extraction to the synthesis of biobased composites", Dimitrios N. Bikiaris, Katerina Papadopoulou, Panagiotis A. Klonos, Eleftheria Xanthopoulou, Zoi Terzopoulou, Alexandra Zamboulis, Ondřej Mašek, Anjali Jayakumar, Christian Wurzer, Sofia Makri, Ioanna Deligkiozi, Alexandros Zoikis Karathanasis, Christina Pappa, Antigoni Margellou, Stylianos Torofias, Konstantinos Triantafyllidis, 5-9 September 2022, Athens, Greece
- 9th IUPAC International Conference on Green Chemistry, "Bio-based P-F resins for wood-based panels by substituting phenol and formaldehyde with lignin derived phenolics and biomass-based furfural", Christina P. Pappa, Stylianos A. Torofias, Antigoni G. Margellou, Electra Papadopoulou, Charles Markessini, Konstantinos S. Triantafyllidis, 5-9 September 2022, Athens, Greece
- 9th IUPAC International Conference on Green Chemistry, "Life cycle costing for the production of lignin-based adhesives from softwood kraft lignin via base-catalysed depolymerization", Dimitrios Ladakis, Sofia Maria Ioannidou, Ioannis K. Kookos, Christina P. Pappa, Konstantinos S. Triantafyllidis, Apostolis Koutinas, 5-9 September 2022, Athens, Greece
- 9th IUPAC International Conference on Green Chemistry, "Epoxy - Organosolv lignin composites with enhanced properties", Christina P. Pappa, Stylianos A. Torofias, Konstantinos S. Triantafyllidis, 5-9 September 2022, Athens, Greece
- 9th International Conference on Sustainable Solid Waste Management, "Waste particle board valorization via fast (catalytic) pyrolysis towards value-added chemicals and fuels", S. Kavoukis, C. Pappa, A. Margellou, K.S. Triantafyllidis, 15-17 June 2022, Corfu, Greece,
- Lignin Conference 2022, "Utilization of Kraft and Organosolv lignin towards bio-based epoxy polymer composites", Christina Pappa, Simone Cailotto, Matteo Gigli, Claudia Crestini, Elias Feghali, Karolien Vanbroekhoven, Konstantinos Triantafyllidis, 31 May – 3 June 2022, Wageningen, The Netherlands
- 30th European Biomass Conference & Exhibition, "Fast pyrolysis of lignin towards aromatics, phenolics and crude bio-oils", K. Triantafyllidis, A. Margellou, K. Rekos, S. Kavoukis, C. Pappa, A. Fotopoulos, 9-12 May 2022, Online

[Pappa Christina]

- 30th European Biomass Conference & Exhibition, “Integrated biorefinery for waste lignocellulosic biomass valorization to chemicals, fuels and polymers”, A. Margellou, E. Psochia, K. Rekos, S. Torofias, C. Pappa, S. Ioannidou, F. Zormpa, S. Kavoukis, K. Triantafyllidis, 9-12 May 2022, online.
- ACS Spring 2022, “Catalytic upgrading of lignin fast pyrolysis oil towards alkyl-phenols, BTX aromatics and cyclo-alkanes”, K. Triantafyllidis, A. Margellou, F. Zormpa, S. Kavoukis, C. Pappa, A. Fotopoulos, 20 – 24 March 2022, San Diego, CA, USA
- ACS Spring 2022, “Integrated biorefinery approaches for lignocellulosic biomass valorization to fuels, chemicals and polymers”, K. Triantafyllidis, A. Margellou, C. Pappa, E. Psochia, S. Ioannidou, S. Torofias, K. Rekos, 20 – 24 March 2022, San Diego, CA, USA
- 13th Hellenic Polymer Society International Conference, “Bio-based thermosetting epoxy composites utilizing kraft lignin”, C. Pappa, K.S. Triantafyllidis, 12-16 December 2021, Athens, Greece, Online
- 6th Green and Sustainable Chemistry Conference, “Catalytic condensation of phenolic and furanic biomass-derived monomers in the production of bio-based PF resols”, C. Pappa, A. Margellou, E. Papadopoulou, C. Markessini, K. Triantafyllidis, 16-18 November 2021, Online
- 5th EuChemS Conference on Green and Sustainable Chemistry (EuGSC), “Lignin as reactive additive in epoxy polymers”, Christina P. Pappa, Konstantinos S. Triantafyllidis, Thessaloniki, Greece, 26-29 September 2021, Online.
- 5th EuChemS Conference on Green and Sustainable Chemistry, “Green phenol formaldehyde (PF) resins for plywood production by utilizing lignin fast pyrolysis oils”, Electra Papadopoulou, Eleftheria Athanasiadou, Dimitris Moutousidis, Christina P. Pappa, Antigoni G. Margellou, Konstantinos S. Triantafyllidis, Thessaloniki, Greece, 26-29 September 2021.
- CA17128 LignoCOST Conference on Lignin, “Utilization of Kraft lignin for the production of thermosetting bio-based epoxy polymer composites”, C. P. Pappa, D. Valasiadis, S. Cailotto, M. Gigli, C. Crestini, K. S. Triantafyllidis, 1-2 September 2021, Pisa, Italy, Online
- 13th Green Chemistry Postgraduate Summer School, “Adding value to pulp industry waste: Bio-based thermosetting epoxy resins using Kraft lignin”, C. Pappa, K. S. Triantafyllidis, 4-10 July 2021, Venice, Italy, Online
- 8th International Conference on Sustainable Waste Management, “Utilization of pulp and paper industry waste (Kraft lignin) for the production of bio-based epoxy composites”, C. Pappa, K.S. Triantafyllidis, 23-26 June 2021, Thessaloniki, Online
- 8th International Conference on Sustainable Waste Management, “Hydrothermal pretreatment and fractionation of agricultural lignocellulosic waste biomass towards furanics and lignin based chemicals”, A. G. Margellou, C. P. Pappa, D. Moutousidis, E. Athanasiadou, K. S. Triantafyllidis, 23-26 June 2021, Thessaloniki, Online
- 29th European Biomass Conference & Exhibition, “Lignin-based biorefinery: Monomers, Polymers and Fuels from Hydrolysis, Organosolv and Kraft Lignin”, K. Triantafyllidis, A. Margellou, K. Rekos, C. Pappa, A. Fotopoulos, 26-29 April 2021, Online
- 7th Environmental Conference of Macedonia, “Epoxy resins with paper industry residues as additives: the case of kraft and organosolv lignins”, C. Pappa, D. Giliopoulos, A. Margellou, A. Fotopoulos, K. Triantafyllidis, 30-1 November 2020, Thessaloniki, Greece
- 7th Environmental Conference of Macedonia, “Lignin valorization as an epoxy polymer additive”, M. M. Roussou, D. Gkiliopoulos, C. Pappa, K. Triantafyllidis, 30-1 November 2020, Thessaloniki, Greece
- International Symposium on Advanced Catalyst Design and Molecular Catalysis, “Catalytic fast pyrolysis of lignin towards aromatics and phenolics”, K. Triantafyllidis, I. Charisteidis, P. Lazaridis, A. Fotopoulos, C. Pappa, A. Margellou, August 31-September 4, 2020, Xi'an, China (Online)
- 2nd International Congress on Biorefineries and Renewable Energies Supported by ICT: Business opportunities based on technologies and innovation (BERTSIC-II), “Valorization of lignin towards chemicals, fuels and polymers”, K. Triantafyllidis, A. Margellou, K. Rekos, C. Pappa, A. Fotopoulos, 17-20 February 2020, Bucaramanga, Colombia

[Pappa Christina]

- 3rd Chemistry Conference of Graduate, Postgraduate students and PhD candidates in the Aristotle University of Thessaloniki “Research as development perspective”, “Sequential solvent fractionation of Kraft lignin and its use as additive in epoxy polymer composites”, D. Karta, C. Pappa, D.S. Argyropoulos, K. Triantafyllidis, 22-23 November 2019, Thessaloniki, Greece.
- 3rd Chemistry Conference of Graduate, Postgraduate students and PhD candidates in the Aristotle University of Thessaloniki “Research as development perspective”, “Lignin valorization as additive in epoxy polymer composites”, C. Pappa, D. Giliopoulos, A. Margellou, A. Fotopoulos, K. Triantafyllidis, 22-23 November 2019, Thessaloniki, Greece.
- 6th Panhellenic Symposium “Green Chemistry and Sustainable Development”, «Valorization of lignin as epoxy polymer bio-additive», C. Pappa, D. Giliopoulos, A. Margellou, A. Fotopoulos, K. Triantafyllidis, 18-20 October 2019, Athens, Greece.
- 6th Panhellenic Conference “Green Chemistry and Sustainable Development”, «Hemicellulose and lignin biomass streams valorization via catalytic hydrogenation/hydrogenolysis reactions», A. Margellou, K. Rekos, C. Pappa, K. Triantafyllidis, 18-20 October 2019, Athens, Greece.
- 6th Panhellenic Conference “Green Chemistry and Sustainable Development”, «“Integrated biorefinery” for lignocellulosic biomass valorization to fuels and chemicals», A. Margellou, K. Rekos, C. Pappa, A. Fotopoulos, K. Triantafyllidis, 18-20 October 2019, Athens, Greece.
- 30th Annual Conference of the European Society for Biomaterials (ESB 2019) together with the 26th Annual Conference of the German Society for Biomaterials (DGBM), “The effect of different CTAB-assisted sol–gel derived silica-based mesoporous nanoparticles on structure, antibacterial properties and hemolytic activity”, G. Pouroutzidou, I. Tsamesidis, G. Theodorou, E. Likotrafiti, J. Rhoades, C. Pappa, K.S. Triantafyllidis, E. Kontonasaki, K. Paraskevopoulos, 9–13 September, 2019, Dresden, Germany.
- 2nd Chemistry Conference of Graduate, Postgraduate students and PhD candidates in the Aristotle University of Thessaloniki “Research as development perspective”, “Organosolv and Kraft lignin as additives in epoxy polymer composites”, C. Pappa, D. Giliopoulos, A. Margellou, A. Fotopoulos, K. Triantafyllidis, 2 – 3 November 2018, Thessaloniki, Greece
- 12th Hellenic Polymer Society International Conference, “Epoxy polymer additives derived from lignocellulosic biomass: The case of organosolv and kraft lignin”, D. Giliopoulos, R. Kokoli, K. Karagiannidis, C. Pappa, A. Fotopoulos, P. Lazaridis, A. Margellou, K.S. Triantafyllidis, 30 September-3 October 2018, Ioannina, Greece
- 255th ACS National Meeting, “Organosolv lignin as epoxy polymer reinforcing agent”, R.Kokoli, D. Giliopoulos, P. Lazaridis, A. Fotopoulos, K. Karagiannidis, C. Pappa, K.S. Triantafyllidis, 18-22 March 2018, New Orleans, USA.
- COST Action FP1306, 4th Workshop & 5th MC Meeting, “Organosolv and kraft lignin as epoxy polymer bio-additive”, R. Kokoli, D. Giliopoulos, K. Karagiannidis, C. Pappa, A. Fotopoulos, P. Lazaridis, A. Margellou, K.S. Triantafyllidis, 12-14 March 2018, Thessaloniki, Greece.
- 2nd ICSS Conference “Physical Education and Sports”, “Synthesis and characterization of novel scaffolds aimed for implantation in myocardium after acute infraction, based on an alginate-hydrogel/growth-factors delivery system, using as coupling materials meso-porous SBA-15-type materials or magnetic Fe nano-particles”, C. Pappa, E. Barka, D. Papayannis, K.S. Triantafyllidis, S. Agathopoulos, 25-27 November 2016, Thessaloniki, Greece.

HONORS & AWARDS

- **First Place Award (Poster)** at “6th Panhellenic Symposium, Green Chemistry and Sustainable Development”: «Valorization of lignin as epoxy polymer bio-additive», 18-20 October 2019, Athens, Greece.
- **First Place Award (Oral Presentation)** at “2nd ICSS Conference, Physical Education and Sports”, 25-27 November 2016, Thessaloniki, Greece.

PARTICIPATION IN INTERNATIONAL SUMMER SCHOOLS

- **ZELCOR Summer School** - 2nd edition - Postponed to 8-11 February 2021 (online), “**Zero waste biorefineries: value chain approach, methods, and processes for lignin up-grading**”, **Organizing and hosting partner:** INRAE / AgroParisTech and Nova-Institute
Scientific committee: S. Baumberger (AgroParisTech), C. Faulds (Aix Marseille University), R. Gosselink (WFBR), M. Osterberg (Aalto University)
- **13th Green Chemistry Postgraduate Summer School**, 4-10 July 2021, Venice, Italy.
Chairman: Prof. Pietro Tundo, Online, Presented Poster Title: “**Adding value to pulp industry waste: Bio-based thermosetting epoxy resins using Kraft lignin**”, C. Pappa, K. S. Triantafyllidis

PERSONAL SKILLS & COMPETENCES

- Greek (mother language)
- English, fluent (MCCE) MICHIGAN CERTIFICATE OF COMPETENCY IN ENGLISH, University of Michigan (C2 Certificate)

COMPUTER SKILLS

- Microsoft Office (Word, Excel, Power Point and Outlook), Origin, EndNote, ChemDraw, MestReNova, Photoshop

ADDITIONAL STUDIES

Course	University	Year	Course outline/ web page
3.091x: Introduction to Solid State Chemistry	MIT (USA)	2013	Electronic structure, chemical bonding, atomic order, characterization of atomic arrangements in crystalline and amorphous solids, topical coverage of organic chemistry, solution chemistry, acid-base equilibria, electrochemistry, biochemistry, chemical kinetics, diffusion and phase diagrams (https://www.edx.org/course/introduction-solid-state-chemistry-mitx-3-091x-0#!)
ET3034Tux: Solar Energy	Delft (Netherlands)	2013	Photovoltaic system, technology that converts solar energy into electricity, heat and solar fuels, semiconductor devices that deliver electricity directly from sunlight, working principle of a solar cell, fabrication of solar cells, PV module construction and the design of a PV system, principles of the photovoltaic conversion (https://www.edx.org/course/solar-energy-delftx-et-3034tu#!)