

CURRICULUM VITAE

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Polymer Technology lab.
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Working Experience:

1996-1999 : ARGO S.A., Plastics Packaging Materials, Company

2000-2002 Hellenic Petroleum S.A.

Academic Positions

1992-1996: Graduate student in Polymer Technology Lab., School of Chemical Eng., NTUA
PhD title: "Production of Optimized composite materials, reinforced with high modulus fibers", scholarship by Bodossaki Foundation

1999-2000: PostDoc student in Polymer Technology Lab., School of Chemical Eng., NTUA
Title: "Treatment and characterization of aramid fibers and their composites", financed by the State Scholarship Foundation

2003-2008: Lecturer

2008-2013 Assist. Professor

2013-2018 Assoc. Professor

2018 - Professor

2019 - Director of Polymer Technology Lab.

International collaborations

- Spring semester 1993-1994: PhD visiting researcher (Greek British Council grant) at Queen Mary and Westfield College, University of London, London, UK.
- Spring semester 1992-1993: Erasmus student at Université des Sciences et Techniques de Lille-France.
- March & April 2001: "Polypropylene Applicative Training", BASEL Ferrara, Italy
- Member of the editorial board of Dataset Papers in Materials Science, Hindawi Publishing Corporation and reviewer for sixteen international journals.
- Member of the Society of Plastics Engineers (SPE) and of the European Polymer Federation (EPF).

Current Research Interests

- Preparation and characterization of elastomeric matrix (PDMS, EPDM) nanocomposites reinforced with graphite-based (CNTs, graphene) reinforcement.
- Preparation and characterization of epoxy resin nanocomposites reinforced with carbon-based reinforcement for protective coating applications.
- Preparation and study of biodegradable polymer matrix (PLA, PCL) nanocomposites for biomedical applications (tissue engineering, drug release systems).
- Preparation and study of polysiloxane nanocomposites for biomedical applications.
- Preparation and characterization of polyolefin matrix biocomposites containing lignocellulosic waste as reinforcement.
- The effect of biodegradable plastics on the mechanical recycling of non-degradable thermoplastics.
- Recycling and reuse of plastic from wastes of electrical and electronic equipment (mechanical recycling, energy recovery).
- Study of the in-vitro release of model drugs from polymer matrix systems (tablets, films, coatings).
- Study of the effect of ageing on the structure and properties of monolayer and multilayer polymeric flexible packaging materials.
- Surface modification of ultra-high modulus fibers, for use as reinforcement in polymer matrix composites.

Publications in international referred journals

- 1 Andreopoulos A.G. and Tarantili P.A. Treated aramid fibres as reinforcement for epoxies. *Advanced Composites Letters* 1994, 3(3): 93-97
- 2 Andreopoulos A.G., Tarantili P. Preparation and study of aramid/epoxy prepregs. *Journal of Materials Science* 1995, 30(8): 2159-2162
- 3 Tarantili P.A., Koullas D.P., Christakopoulos P., Kekos D., Koukios E.G. and Macris B.J. Cross-synergism in enzymatic hydrolysis of lignocellulosics: Mathematical correlations according to a hyperbolic model. *Biomass and Bioenergy* 1996, 10(4): 213-219
- 4 Tarantili P.A., Andreopoulos A.G. Mechanical properties of epoxies reinforced with chloride-treated aramid fibers. *Journal of Applied Polymer Science* 1997, 65(2): 267-276
- 5 Andreopoulos A.G. and Tarantili P.A. Effect of hygrothermal treatment on the flexural properties of UHMPE fibre/epoxy resin composites. *Advanced Composites Letters* 1997, 6(3): 103-108
- 6 Tarantili P.A., Andreopoulos A.G., and Galiotis C. Real-time micro-Raman measurements on stressed polyethylene fibers. 1. Strain rate effects and molecular stress redistribution. *Macromolecules* 1998, 31(20): 6964-6976
- 7 Andreopoulos A.G., Tarantili P.A. Water sorption characteristics of epoxy resin-UHMPE fibers composites. *Journal of Applied Polymer Science* 1998, 70(4): 747-755
- 8 Andreopoulos A.G. and Tarantili P.A. A review on various treatments of UHMPE fibers. *Journal of Elastomers and Plastics* 1998, 30(2): 118-132
- 9 Andreopoulos A.G., Tarantili P.A. and Anastassakis P. Properties of Low Density Polyethylene/Polypropylene blends. *Journal of Macromolecular Science-Pure and Applied Chemistry* 1998, A35(5): 751-761
- 10 Andreopoulos A.G., Evangelatou M. and Tarantili P.A. Properties of maxillofacial silicone elastomers reinforced with silica powder. *Journal of Biomaterials Applications* 1998, 13(1): 66-73

- 11** Arjyal B.P., Tarantili P.A., Andreopoulos A.G., Galiotis C. Surface and bulk stress/strain measurements in composite laminates with a fibre-optic Raman probe. *Composites Part A: Applied Science and Manufacturing* 1999, 30(10): 1187-1195
- 12** Andreopoulos A.G., Tarantili P.A. Study of the off-axis properties of composites reinforced with ultra-high modulus polyethylene fibres. *European Polymer Journal* 1999, 35(6): 1123-1131
- 13** Andreopoulos A.G., Tarantili P.A., and Anastassakis P. Compatibilizers for Low Density Polyethylene/Polypropylene blends. *Journal of Macromolecular Science-Pure and Applied Chemistry* 1999, A36(9): 1113-1122
- 14** Polyzois G.L., Tarantili P.A., Frangou M.J., Andreopoulos A.G. Physical properties of a silicone prosthetic elastomer stored in simulated skin secretions. *The Journal of Prosthetic Dentistry* 2000, 83(5): 572-577
- 15** Rallis G., Tarantili P.A., Andreopoulos A.G. Epoxy resin composites with surface modified aramid fibres. *Advanced Composites Letters* 2000, 9(2): 127-133
- 16** Vlachou M., Hani N., Efentakis M., Tarantili P.A. and Andreopoulos A.G. Polymers for use in controlled release systems: The effect of surfactants on their swelling properties. *Journal of Biomaterials Applications* 2000, 15(1): 65-77
- 17** Andreopoulos A.G. and Tarantili P.A. Waste leather particles as a filler for poly(vinyl chloride) plastisols. *Journal of Macromolecular Science - Pure and Applied Chemistry* 2000, A37(11): 1353-1362
- 18** Babanas K., Tarantili P.A. and Andreopoulos A.G. Plasticized poly(vinyl chloride) filled with waste leather particles. *Journal of Elastomers and Plastics* 2001, 33(1): 72-85
- 19** Vlachou M., Naseef H., Efentakis M., Tarantili P.A. and Andreopoulos A.G. Swelling properties of various polymers used in controlled release systems. *Journal of Biomaterials Applications* 2001, 15(4): 293-306
- 20** Andreopoulos A.G. and Tarantili P.A. Xanthan gum as a carrier for controlled release of drugs. *Journal of Biomaterials Applications* 2001, 16(1): 34-46
- 21** Polyzois G.L., Tarantili P.A., Frangou M.J., Andreopoulos A.G. Fracture force, deflection at fracture, and toughness of repaired denture resin subjected to microwave polymerization or reinforced with wire or glass fiber. *Journal of prosthetic dentistry* 2001, 86(6): 613-619
- 22** Mamouzelos N.J., Proikakis C.S., Tarantili P.A., Andreopoulos A.G. Release of Propranolol and Diclofenac from low MW DL-poly(lactic acid). *Journal of Biomaterials Applications* 2001, 16(3): 177-190
- 23** Bousoulas J., Tarantili P.A., Andreopoulos A.G. Resole resin as sizing agent for aramid fibres. *Advanced Composites Letters* 2001, 10(5): 239-245
- 24** Proikakis C.S., Tarantili P.A., Andreopoulos A.G. Synthesis and characterization of low molecular weight polylactic acid. *Journal of Elastomers & Plastics* 2002, 34(1): 49-63
- 25** Andreopoulos A.G. and Tarantili P.A. Study of biopolymers as carriers for controlled release. *Journal Macromolecular Science-Physics* 2002, B41(3): 559-578
- 26** Proikakis C.S., Mamouzelos N.J., Tarantili P.A., Andreopoulos A.G. Stability of DL-poly(lactic acid) in aqueous solutions. *Journal of Applied Polymer Science* 2003, 87(5): 795-804
- 27** Frangou M.J., Polyzois G.L., Tarantili P.A., Andreopoulos A.G. Bonding of silicone extra-oral elastomers to acrylic resin: The effect of primer composition. *European journal of prosthodontics and restorative dentistry* 2003, 11(3): 115-118
- 28** Georgopoulos S.Th., Tarantili P.A., Avgerinos E., Andreopoulos A.G., Koukios E.G. Thermoplastic polymers reinforced with fibrous agricultural residues. *Polymer Degradation and Stability* 2005, 90(2): 303-312
- 29** Baroulaki I., Karakasi O., Pappa G., Tarantili P.A., Economides D., Magoulas K. Preparation and study of plastic compounds containing polyolefins and post used newspaper fibers. *Composites Part A: Applied Science and Manufacturing* 2006, 37(10): 1613-1625
- 30** Proikakis C.S., Mamouzelos N.J., Tarantili P.A., Andreopoulos A.G. Swelling and hydrolytic degradation of poly(D,L-lactic acid) in aqueous solutions. *Polymer Degradation and Stability* 2006, 91(3): 614-619
- 31** Proikakis C.S., Tarantili P.A., Andreopoulos A.G. The role of polymer/drug interactions on the sustained release from poly(DL-lactic acid) tablets. *European Polymer Journal* 2006, 42(12): 3269-3276
- 32** Baroulaki I., Mergos J.A., Pappa G., Tarantili P.A., Economides D., Magoulas K., Dervos C.T. Performance

- of polyolefin composites containing recycled paper fibers. *Polymers for Advanced Technologies* 2006, 17(11-12): 954-966
- 33** Vassiliadi E., Tarantili P.A. Characterization of metallized biaxially oriented polypropylene film. *Journal of Applied Polymer Science* 2007, 105(4): 1713-1722
- 34** Katsoulotos G., Tarantili P.A. The effect of Matrix Composition on the properties of cellulosic fibers-polyethylene composites. *Journal of Applied Polymer Science* 2008, 107(4): 2385-2393
- 35** Katsoulotos G., Pappa G., Tarantili P.A., Magoulas K. Preparation and characterization of functionalized low density polyethylene matrix biocomposites. *Polymer Engineering and Science* 2008, 48(5): 902-911
- 36** Tarantili P.A. and Koumoulos H. Sustained release of guaifenesin and ipriflavone from biodegradable coatings. *European Polymer Journal* 2008, 44(2): 444-452
- 37** Tarantili P.A. and Kiose V. The effect of accelerated ageing on the structure and properties of mono- and multilayer packaging films. *Journal of Applied Polymer Science* 2008, 109(1): 674-682
- 38** Pandazakos G., Tarantili P.A., Beazi-Katsioti M. A 4-month accelerated aging study of geomembranes exposed to landfill leachate. *Journal of Elastomers and Plastics* 2009, 41(1): 23-39
- 39** Karahaliou E.-K., Tarantili P.A. Preparation of ABS/montmorillonite nanocomposites and degradation studies during extrusion reprocessing. *Journal of Applied Polymer Science* 2009, 113(4): 2271-2281
- 40** Dervos C.T., Tarantili P.A. and Athanassopoulou M.D. Low- κ' dielectric properties of UV-treated bi-axially oriented polypropylene films. *Journal of Physics D: Applied Physics* 2009, 42(13), art. No: 135409
- 41** Karahaliou E.-K., Tarantili P.A. Stability of ABS compounds subjected to repeated cycles of extrusion processing. *Polymer Engineering and Science* 2009, 49(11): 2269-2275
- 42** Tarantili P.A., Mitsakaki A.N. and Petoussi M.A. Processing and properties of engineering plastics recycled from waste electrical and electronic equipment (WEEE). *Polymer Degradation and Stability* 2010, 95: 405-410
- 43** Stathi K., Tarantili P.A., Polyzois G. The effect of accelerated ageing on performance properties of addition type silicone biomaterials. *Journal of Materials Science: Materials in Medicine* 2010, 21(5): 1403-1411
- 44** Voulomenou A., Tarantili P.A. Preparation, characterization and property testing of condensation-type silicone/montmorillonite nanocomposites. *Journal of Applied Polymer Science* 2010, 118(5): 2521-2529
- 45** Vasilakos S., Tarantili P.A. The effect of pigments on the stability of silicone/montmorillonite prosthetic nanocomposites. *Journal of Applied Polymer Science* 2010, 118(5): 2659-2667
- 46** Charitidis C.A., Koumoulos E.P., Tsikourkitoudi V.P., Vasilakos S.P., Tarantili P.A. Adhesive forces and time dependent behaviour (creep and loading rate effects) on nanomechanical properties on polydimethylsiloxane (PDMS) and PDMS nanocomposite. *Journal of Nanostructured Polymers and Nanocomposites* 2011, 7(1): 32-42
- 47** Vasilakos S.P. and Tarantili P.A. Mechanical properties and nanostructure correlation of condensation-type poly(dimethyl siloxane)/layered silicate hybrids. *Journal of Applied Polymers Science* 2012, 125(SUPPL. 1): E548-E560
- 48** Vasilakos S.P. and Tarantili P.A. In vitro drug release studies from organoclay/poly(dimethyl siloxane) nanocomposite matrices. *Journal of Biomedical Materials Research, Part B: Applied Biomaterials* 2012, 100B(7): 1899-1910
- 49** Triantou M.I., Tarantili P.A. Structure and Thermomechanical Evaluation of Melt Processed Organoclay/ABS/PC Nanocomposites. *Macromolecular Symposia* 2012, 321-322(1): 155-160
- 50** Oikonomidou O., Triantou M.I., Tarantili P.A., Anatolaki C., Karnavos N. The effect of extrusion reprocessing on structure and properties of isotactic polypropylene. *Macromolecular Symposia* 2012, 321-322(1): 216-220
- 51** Panou, A.I., Papadokostaki, K.G., Tarantili, P.A., Sanopoulou, M. Effect of hydrophilic inclusions on PDMS crosslinking reaction and its interrelation with mechanical and water sorption properties of cured films. *European Polymer Journal* 2013, 49(7): 1803-1810
- 52** Fousteris Em., Tarantili P.A., Karavas E., Bikiaris D. Poly(vinyl pyrrolidone)-poloxamer-188 solid dispersions prepared by hot melt extrusion: Thermal properties and release behavior. *Journal of Thermal Analysis and Calorimetry* 2013, 113(3): 1037-1047

- 53 Triantou M.I., Chatzigiannakis Em.M., Tarantili P.A., Andreopoulos A.G. Compatibilization Mechanism and Property Improvement of Immiscible Engineering Plastic Blends. *Special Issue of Macromolecular Symposia "New Polymeric Materials and Applications"* 2013, 331-332(1): 81-88
- 54 Triantou M.I., Tarantili P.A. Studies on morphology and thermomechanical performance of ABS/PC/organoclay hybrids. *Polymer Composites* 2014, 35(7): 1395-1407
- 55 Stathokostopoulou C., Tarantili P.A. Preparation, Characterization and Drug Release Studies from Poly(D,L-lactic acid)/organoclay Nanocomposite Films. *Journal of macromolecular Science: Pure and Applied Chemistry* 2014, 51(2): 117-124
- 56 Vasilakos S.P., Triantou M.I., Tarantili P.A. The effect of layered silicates on the crosslinking reaction of silanol-terminated polysiloxane. *Polymer Science and Engineering* 2015, 55(4): 957-965
- 57 Triantou M.I., Chatzigiannakis Em., Tarantili P.A. Evaluation of thermal degradation mechanisms and their effect on the gross calorific value of ABS/PC/organoclay nanocomposites. *Journal of thermal analysis and calorimetry* 2015, 119(1): 337-347
- 58 Triantou M.I., Tarantili P.A., Andreopoulos A.G. Melt Processing and Property Testing of a Model System of Plastics Contained in Waste from Electrical and Electronic Equipment (WEEE). *Waste Management & Research* 2015, 33(5): 453-459
- 59 Triantou M.I., Gavriel M., Sakellaris P., Tarantili P.A. The effect of Compatibilizer and organoclay nanoparticles on the morphology and performance properties of polypropylene/poly(acrylonitrile-butadiene-styrene) blends. *Polymer Science and Engineering* 2016, 56(4): 458-468
- 60 Vasilakos S.P., Tarantili P.A. In-situ monitoring and modeling of the curing reaction of vinyl terminated polysiloxane/layered silicate nanocomposites. *Journal of Thermal Analysis and Calorimetry* 2017, 127(3): 2049-2058
- 61 Triantou M.I., Tarantili P.A. The effect of organoclay and graphene on the crystallization of PP in ABS/PP blends. *Journal of Thermal Analysis and Calorimetry* 2017, 129(2): 743-754
- 62 Athanasoulia I.-G., Christoforidis M., Korres D.M., Tarantili P.A. The effect of hydroxyapatite nanoparticles on crystallization and thermomechanical properties of PLLA matrix. *Pure and Applied Chemistry* 2017, 89(1): 125-140
- 63 Athanasoulia I.-G., Tarantili P.A. Preparation and characterization of polyethylene glycol/poly(L-lactic acid) blends. *Pure and Applied Chemistry* 2017, 89(1): 141-152
- 64 Vasilakos S.P., Athanasoulia I.-G., Tarantili P.A., Kyriakidou K., Papadopoulos T. Thermomechanical properties and bioactivity evaluation of silicone rubber composites. *Polymer Composites* 2018, 39(7): 2560-2570
- 65 Athanasoulia I.-G., Mikropoulou M., Karapati S., Tarantili P., Trapalis C. Study of thermomechanical and antibacterial properties of TiO₂/Poly(lactic acid) nanocomposites. *Materials Today: Proceedings* 2018, Volume 5(14) Part 1, 27553-27562
- 66 Triantou M.I., Stathi K., Tarantili P.A. Thermal, Mechanical, and dielectric properties of Injection Molded Graphene Nanocomposites Based on ABS/PC and ABS/PP Blends, *Polymer Composites* 2019 40(S2): E1662-E1672
- 67 Athanasoulia I.-G., Tarantili P.A. Thermal transitions and stability of melt mixed TiO₂/Poly(L-lactic acid) nanocomposites, *Polymer Science and Engineering* 2019, 59(4): 704-713.
- 68 Athanasoulia I.-G.I., Christoforidis M.N., Korres D.M., Tarantili P.A. The effect of poly(ethylene glycol) mixed with poly(l-lactic acid) on the crystallization characteristics and properties of their blends. *Polymer International* 2019, 68(4): 788-804
- 69 Athanasoulia I.-G., Giachalis K., Korres D., Todorova N., Giannakopoulou T., Tarantili P.A., Trapalis C. Study of thermomechanical, structural and antibacterial properties of poly(lactic acid) reinforced with graphene oxide nanoparticles via melt mixing. *Polymer International* 2020, 69(10): 995-1007
- 70 Athanasoulia I.-G., Giachalis K., Todorova N., (...), Tarantili P., Trapalis C. Preparation of hybrid composites of PLLA using GO/PEG masterbatch and their characterization. *Journal of Thermal Analysis and Calorimetry* 2021143(5), pp. 3385-3399
- 71 Ketikis P., Stavrianakou D., Damopoulos E., Pilatos G., Todorova N., Trapalis C., and Tarantili P.A. The effect of graphene oxide on thermomechanical and permeability properties of poly(dimethyl siloxane)

composites. *Materials Today: Proceedings 2021*, 54, pp. 80-90.

72 Ketikis P., Damopoulos E., Pilatos G., and Tarantili P.A. Preparation by direct mixing and characterization of graphene nanoplatelet filled poly(dimethyl siloxane) composites. *Materials Today: Proceedings*, 2021, 54, pp. 113-117

73 Ketikis P., Damopoulos E., Pilatos G., (...), Kyritsis A., Tarantili P.A. Preparation by solution mixing and characterization of condensation type poly(dimethyl siloxane)/graphene nanoplatelets composites. *Journal of Composite Materials* 2022, 56(2), pp. 251-266

74 Athanasoulia I.-G., Louli V., Schinas P., Rinotas V., Douni E., Tarantili P., Magoulas K. The effect of foaming process with supercritical CO₂ on the morphology and properties of 3-D porous Polylactic acid scaffolds. *Polymer Science and Engineering* 2022, 62(8), pp. 2459-2475

75 Papachristou E., Korres D., Mamma D., (...), Tarantili P.A., Polyzois G. Titanium Dioxide/Polysiloxane Composites: Preparation, Characterization and Study of Their Color Stability Using Thermochromic Pigments. *Journal of Composites Science* 2022, 6(7), 195

76 Triantou M.I., Gavriel M., Tarantili P.A. Effect of compatibilizer and organoclay reinforcement on morphology and properties of styrene copolymers blends. *Journal of Composites Science* 2023, 7(1)36

77 Ketikis P., Ketikis I., Klonos P.A., Giannakopoulou T., Kyritsis A., Trapalis C., Tarantili P.A. The effect of MWCNTs on the properties of peroxide vulcanized ethylene propylene diene monomer (EPDM) composites. *Journal of Composite Materials* 2023, 57(12): 2043-2058

78 Ketikis P., Ketikis I., Tarantili P.A. The effect of cross-linking system and reinforcement on the cross-linking reaction of peroxide vulcanized ethylene-propylene-diene terpolymer (EPDM) matrix. *Journal Macromol Sci: Part A* 2023, 60(11): 801–815

79 Ketikis P., Syrmos A., Klonos P., Pilatos G., Giannakopoulou T., Kyritsis A., Trapalis C., Tarantili P.A. Preparation and characterization of Carbon nanotube/Polydimethylsiloxane nanocomposites with enhanced O₂ impermeability, dielectric and EMI shielding properties. Submitted to *J. Compos. Mater.*

80 Ketikis P., Tsalas I., Klonos P., Pilatos G., Giannakopoulou T., Kyritsis A., Trapalis C. and Tarantili P.A. Preparation and characterization of graphene and carbon nanotubes hybrid polydimethylsiloxane composites for protective coatings applications. Submitted to *J. Compos. Sci.*

Oral presentations in International Conferences

1 Andreopoulos A.G., Tarantili P.A. & Milioti E.C. "Effect of treatment of UHMPE Fibres on their performance as reinforcement", 6th European Polymer Federation Symposium on Polymeric Materials, 7-11 October 1996, Crete, Greece

2 Polyzois G.L., Tarantili P.A., Frangou M.J., Andreopoulos A.G. "Physical properties of a silicone prosthetic elastomer stored in simulated skin secretions", 15th Annual Conference, American Anaplastology Association, 3-6 May 2000, Washington D.C., USA

3 Bousoulas J.D., Tarantili P.A., Andreopoulos A.G. "A comparative study of various surface treatments on aramid fibres", Polymer Processing Society: Europe/Africa Regional Meeting, 14-17 September 2003, Athens

4 Frangou Mary J., Polyzois Gregory L., Tarantili Petroula A. Andreopoulos Andreas G. "Bonding of silicone extra-oral elastomers to acrylic resin: The effect of primer composition", 27th Annual Conference of European Prosthodontic Association, 4-6 September 2003, Geneva, Switzerland

5 Georgopoulos S.Th., Tarantili P.A., Avgerinos E.S., Andreopoulos A.G. Koukios E.G. "Lignocellulosic agricultural residues as fillers of thermoplastic polymers", 4th International Symposium: Materials from Renewable Resources, 11-12 September 2003, Erfurt, Germany

6 Proiakakis C., Mamouzelos N., Tarantili P.A., Andreopoulos A.G. "Swelling and hydrolytic degradation of poly(D,L-lactic acid) in aqueous solutions", MoDeSt 3, 29/8-2/9/2004, Lyon, France

7 Gavela S., Karakosta C., Nydriotis C., Kaselouri-Rigopoulou V., Kolias S., Tarantili P.A., Magoulas C., Tassios D., Andreopoulos A. "A study of concretes containing thermoplastic wastes as aggregates", International RILEM Conference on the Use of Recycled Materials in Buildings and Structures, 2004, Volume 2, 911-918

- 8** Tarantili P.A., Andreopoulos A.G. "Design of biodegradable polymer systems for drug release applications", 8th International Symposium: Polymers for Advanced Technologies, 13-16 September 2005, Budapest, Hungary
- 9** Tarantili P.A., Andreopoulos A.G. "Biodegradable polymeric carriers for controlled release systems", 1st South East European Congress of Chemical Engineering (SEECChE 1), 25-28 September 2005, Belgrade, Serbia and Montenegro
- 10** Katsoulotos G., Pappa G., Tarantili P.A., Magoulas K., Andreopoulos A.G. "Modified polyethylene as a matrix for paper fiber reinforced composites", 1st South East European Congress of Chemical Engineering (SEECChE 1), 25-28 September 2005, Belgrade, Serbia and Montenegro
- 11** Tarantili P.A., Mitsakaki A.N. and Petoussi M.A. "Processing and properties of engineering plastics recycled from waste electrical and electronic equipment (WEEE)", MoDeSt 2008, 07/9-11/9/2008, Liège, Belgium
- 12** Tarantili P.A., Andreopoulos A.G. "Recycling of engineering plastics deriving from waste electrical and electronic equipment (EEE)", 2nd International Conference on Environmental Management, Engineering, Planning and Economics (CEMEPE 2009) & SECOTOX Conference, 21-26 June 2009, Mykonos
- 13** Tarantili P., Vasilakos S. "Preparation of Silicone elastomer/montmorillonite Nanocomposites and their performance as carriers for drug release", 22nd European Conference on Biomaterials, 7-11/9/2009, Lausanne, Switzerland
- 14** Tarantili P.A., Andreopoulos A.G. "Management of High Value-Added Waste Plastics", 3rd International conference of Hellenic Solid Waste Management Association (HSWMA), 30-31/10/2009, Athens
- 15** Vasilakos S.P., Tarantili P.A. "Preparation and property testing of organoclay/polysiloxane nanocomposites for maxillofacial prostheses", European Conference on Medical Polymers, SPE, Belfast, 7-9/9/2010, p. 49-54
- 16** Tarantili P., Vasilakos S. "Accelerated ageing of pigmented silicone elastomer nanocomposites, suitable for biomedical applications", 23rd European Conference on Biomaterials, 11-15/9/2010, Tampere, Finland
- 17** Vasilakos S.P., Tarantili P.A. "Curing mechanism of condensation type Poly(dimethyl siloxane)-organoclay nanocomposites", Polymers for Advanced Technologies, 2-5 October 2011, Lodz, Poland
- 18** Vasilakos S., Tarantili P.A. "Polysiloxane/layered Silicate Hybrids: Modelling of Mechanical Performance in Relation with the Nanocomposite structure", SPE Eurotec, 14-15 November 2011, Barcelona, Spain
- 19** Athanasoulia I.-G., Tarantili P.A. "Characterization of TiO₂/Poly(L-lactic acid) nanocomposites processed by melt mixing", 11th Hellenic Polymer Society International Conference, 3-5 November 2016, Heraklion Crete
- 20** Triantou M.I., Tarantili P.A. "Structure and thermomechanical evaluation of melt processed organoclay/ABS/PC nanocomposites", 11th European Symposium on Polymer Blends, 25th-28th March 2012, Donostia - San Sebastian, Spain
- 21** Triantou M.I., Chatzigiannakis Em., Tarantili P.A., Andreopoulos A.G. "Immiscible blends of engineering plastics stabilized with organoclay nanoparticles", "NANO2012" XI International Conference on Nanostructured Materials, August 26-31, 2012, Rhodes, Greece
- 22** Vasilakos S.P., Tarantili P.A. "The effect of inorganic nanoparticles on curing mechanism and functional properties of vinyl terminated polysiloxane nanocomposites", "NANO2012" XI International Conference on Nanostructured Materials, 26-31 August 2012, Rhodes, Greece
- 23** Triantou M.I., Chatzigiannakis Em., Deligiannis A., Tarantili P.A., Karonis D., Andreopoulos A.G. "Mechanical recycling and Energy recovery of plastic Wastes from Electrical and Electronic Equipment (WEEE)", 4^o Διεθνές Συνέδριο της ΕΕΔΣΑ "Διαχείριση στερεών αποβλήτων σε κρίση: Νέες προκλήσεις και προοπτικές", 30/11-1/12 2012, ΕΜΠ, Αθήνα
- 24** Gavela S., Babou E., Tarantili P.A., Kaselouri-Rigopoulou V. "Plastic waste as aggregates in light weight concrete: The effect of simulated hydration process on their properties", UKIERI Concrete Congress, Innovations in Concrete Construction, 5-8 March 2013, Jalandhar Punjab, India
- 25** Marianna I. Triantou, Marios Gavriel, Panagiotis Sakellaris, Petroula A. Tarantili, "The effect of compatibilization method on the morphology and thermomechanical properties of

polypropylene/poly(acrylonitrile-butadiene-styrene) blends reinforced with montmorillonite nanoparticles”, EUROTEC 2013, 4-5 July 2013, Lyon, France

26 Vasilakos, S.P., Tarantili, P.A., Andreopoulos, A.G., Pantelelis, N., Kanarachos, S. Study of curing process of unsaturated polyesters reinforced with glass fibers EUROTEC 2013, 4-5 July 2013, Lyon, France

27 Vasilakos S.P., Athanasoulia I.-G., Tarantili P.A., Kyriakidou K., Papadopoulos Tr. “Modified Silicone Elastomers for Biomedical Prosthetic Applications”, 19th ESB CONGRESS, 25-28 August 2013, Patras, Greece

28 Triantou M.I., Tarantili P.A., Andreopoulos A.G. “Recycling and Reuse of Plastics Contained in Waste from Electrical and Electronic Equipment (WEEE)”, 2nd International Conference on Sustainable Solid Waste Management, 12th-14th June 2014, Athens, Greece

29 Triantou M.I., Tarantili P.A., “Thermal Stability and Crystallization Behaviour of Modified ABS/PP Nanocomposites”, ICPE 2014: XII International Conference on Polymer Engineering, WASET, 26-27 September 2014, London, United Kingdom, International Science Index Vol:8, No:9, Part XII

30 Tarantili P.A. “Preparation and Characterization of Silicone Elastomer Composites for Biomedical Prosthetic Applications”, 27th European Conference on Biomaterials, 30/8-3/9/2015, Krakow, Poland

31 Athanasoulia I.-G., Christoforidis M., Korres D.M., Tarantili P.A. “The effect of hydroxyapatite nanoparticles on crystallization and thermomechanical properties of PLLA matrix”, 16th International Conference 'Polymers and Organic Chemistry', 13-16 June 2016, Crete, Greece

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