

CURRICULUM VITAE

FIRST NAME	SOTIRIOS
SURNAME	MARRAS
MAJOR	CHEMICAL ENGINEER
PHONE	6973-796395
MARITAL STATUS	MARRIED with 2 Children
DATE OF BIRTH	23 / 06 / 1972
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ACADEMIC EDUCATION

- 2008 ***PhD in Chemical Engineering Department***
Aristotle University of Thessaloniki, Greece
PhD Topic "Development of Novel Microcellular Polymer Clay Nanocomposites"
Advisor: C. Panayiotou
- 2001 ***MS_c in Mechanical Engineering***
Michigan Technological University, USA
MS_c Thesis: "On Some Experimental and Modeling Aspects of High-Cycle Fatigue"
Thesis Advisors: Prof. E. C. Aifantis and Prof. W.W. Milligan
- 1998 ***Diploma (Master's equivalent) in Chemical Engineering***
Aristotle University of Thessaloniki, Greece
Diploma Thesis: "Effect of Humidity and a Variety of Other Solutes on the Mechanical Properties of Ceramic Bricks"
Thesis Advisor: Prof. E. C. Aifantis

PEDAGOGICAL EDUCATION

- 2003 ***Annual Program of Pedagogical Education***
School of Pedagogical and Technological Education (ASPETE), Volos, Greece

TEACHING EXPERIENCE

- 01/16-6/16 ***Laboratorial Assistant, School of Pedagogical and Technological Education (ASPETE), Volos, Greece***
- 10/14-6/15 ***Laboratorial Assistant, School of Pedagogical and Technological Education (ASPETE), Volos, Greece***
- 11/12-6/13 ***Scientific Assistant, School of Pedagogical and Technological Education (ASPETE), Volos, Greece***
- 2008-09
2010-11
2012-13 ***Laboratorial Assistant in a Postgraduate Program, AUTH, Thessaloniki, Greece***
- 10/04-7/10 ***Laboratorial & Scientific Assistant in TEI of Western Macedonia, Greece***

RESEARCH EXPERIENCE

- 06/07-05/08 **Research Project, TEI of Western Macedonia, Greece**
Program Title: "Simple and economic fabrication of environmentally friendly nanocomposites derived from renewable resources for high (biomedical) and low (packaging) added value products".
- 1/04-12/07 **Research Project, TEI of Western Macedonia, Greece**
Program Title: "Developing of Advanced Polymer Nanocomposites Applying Shear"
- 10/05-12/06 **Research Project, Aristotle University of Thessaloniki**
Program Title: "Developing of ecological composite materials".
- 09/03-12/03 **Research Project, Aristotle University of Thessaloniki**
Program Title: "Development of new Fermentations for the recycling and utilization of oil industries remains, for the production of biopolymers and chemical substances <BIOLIVE>".
- 1/99-6/01 **Research Program, Michigan Technological University (MTU), USA**
Program Title: "High Cycle Fatigue"
- 01/99-12/99 **Research Project, Aristotle University of Thessaloniki, Greece**
Program Title: "REVISA: Reactor Integrity in Severe Accidents".
- Performed Mechanical Tests in Ceramic Materials
 - Studied the Diffusion Effect on the Crack Propagation
- 4/97-3/98 **Research Project, Aristotle University of Thessaloniki, Greece**
Program Title: "Erection of the Bathhouse of the Pazar Hamam Market in Tehssaloniki"
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WORK EXPERIENCE

- 10/01-06/03 **2nd Lieutenant-Chemist, Quality Control Department of Hellenic Air Force**
Petroleum Distribution Command (01/02- 06/03)
General Chemical Laboratory of Hellenic Air Force at Elefsina's Airbase (10/01-12/01)

HONORS

- 1999-2001 Challenge Fellowship, Michigan Technological University.
1999 Award for Academic Excellence in Mathematics, Michigan Technological University.

PUBLICATIONS SUMMARY

1.	Papers Published in Referred Journals (www.scopus.com 11/2017)	17
	First author	8
2.	Papers Published in Conference proceedings	69
	International Conferences	41
	Greek Conferences	28
3.	Citations	373
4.	h-index (www.scopus.com 11/2017)	9
5.	Participation on Research Projects	7

REFERRED JOURNAL PUBLICATIONS

- P.1.A. Tsimliaraki, I. Tsivintzelis, **S.I. Marras**, I. Zuburtikudis, C. Panayiotou, "Foaming of PCL/clay nanocomposites with supercritical CO₂ mixtures: The effect of nanocomposite fabrication route on the clay dispersion and the final porous structure", *The Journal of Supercritical Fluids*, 81, 86–93 2013.
- P.2.E. Agnantopoulou, V. Tserki, **S. Marras**, J. Philippou, C. Panayiotou, "Development of biodegradable composites based on wood waste flour and thermoplastic starch" *Journal of Applied Polymer Science* 126(1), E272-E280, 2012.
- P.3. **S.I. Marras**, I. Zuburtikudis, "Structure and Thermal Behavior of Poly(L-lactic acid) Clay Nanocomposites: Effect of Preparation Method as a Function of the Nanofiller Modification Level" *Journal of Applied Polymer Science*, 124(4), 2999–3006, 2012.
- P.4.A. Tsimliaraki, I. Tsivintzelis, **S.I. Marras**, I. Zuburtikudis, C. Panayiotou, "The effect of surface chemistry and nanoclay loading on the microcellular structure of porous poly(D,L lactic acid) nanocomposites", *The Journal of Supercritical Fluids*, 57(3), 278–287 2011.
- P.5.A. Tsimliaraki, I. Zuburtikudis, **S.I. Marras**, C. Panayiotou, "Optimizing the nanofibrous morphology of electrospun PBSA/clay nanocomposites and revealing the role of the fibre nano-dimension on the attained material properties", *Polymer International*, 60(5), 859–871, 2011.
- P.6. **S.I. Marras**, I. Zuburtikudis, C. Panayiotou "Solution casting vs. melt compounding: Effect of fabrication route on the structure and thermal behavior of poly(L-lactic acid) clay nanocomposites" *Journal of Materials Science*, 45, 6474–6480, 2010.
- P.7.A. Tsimliaraki, S. Svinterikos, C. Panayiotou, **S.I. Marras**, I. Zuburtikudis, and L. Papadopoulou, "PBSA/layered silicate nanocomposites and the role of nanoclay on their electrospun fibrous structure" *International Journal of Nanomanufacturing*, 6(1/2/3/4), 291-299, 2010.
- P.8.A. Tsimliaraki, S. Svinterikos, I. Zuburtikudis, **S.I. Marras** and C. Panayiotou, "Nanofibrous structure of non-woven mats of electrospun biodegradable polymer nanocomposites – A Design of Experiments (DoE) study" *Industrial & Engineering Chemistry Research*, 48(9), 4365-4374, 2009.
- P.9. **S.I. Marras**, A. Tsimliaraki, I. Zuburtikudis, C. Panayiotou, "Morphological, thermal and mechanical characteristics of polymer/layered silicate nanocomposites: The role of filler modification level", *Polymer Engineering and Science*, 49(6), 1206-1217, 2009.
- P.10. **S.I. Marras**, K. P. Kladi, I. Tsivintzelis, I. Zuburtikudis, C. Panayiotou "Biodegradable Polymer Nanocomposites: The Role of Nanoclays on the Thermomechanical Characteristics and the Electrospun Fibrous Structure", *Acta Biomaterialia*, 4, 756-765, 2008.
- P.11. I. Tsivintzelis, **S.I. Marras**, I. Zuburtikudis, C. Panayiotou "Porous Poly(L-Lactic Acid) Nanocomposite Scaffolds Prepared by Phase Inversion Using Supercritical CO₂ as Antisolvent", *Polymer*, 48(21), 6311-6318, 2007.
- P.12. **S.I. Marras**, A. Tsimliaraki, I. Zuburtikudis, C. Panayiotou "Thermal and Colloidal Behavior of Amine-Treated Clays: The role of Amphiphilic Organic Cations Concentration", *Journal of Colloid and Interface Science*, 315(2), 520-527, 2007.
- P.13. **S.I. Marras**, I. Zuburtikudis, C. Panayiotou "Nanostructure vs Microstructure: Morphological and Thermomechanical Characterization of Poly(L-lactic acid)/Layered Silicate Hybrids" *European Polymer Journal* 43(6), 2191-2206, 2007.
- P.14. **S.I. Marras**, A. Tsimliaraki, I. Zuburtikudis, C. Panayiotou "Surfactant-Induced Morphology and Thermal Behavior of Polymer Layered Silicate Nanocomposites", *Journal of Physics: Conference Series*, 61(1), 1366-1370, 2007.
- P.15. A. Shyam, S.A. Padula II, **S.I. Marras** and W.W. Milligan, "Fatigue Crack Propagation Thresholds in Nickel-Base Superalloys at High Frequencies and Temperatures", *Metallurgical and Materials Transactions A* 33A, 1949-1962, 2002.
- P.16. M. Zaiser, **S. Marras**, E. Nadgorny, E.C. Aifantis, "Fractal Dislocation Patterning in Plastically Deformed NaCl Polycrystals", *Physica Status Solidi (A)* 185(2), R4-R5, 2001.

- P.17. **S.I. Marras**, I.A. Ihtiaris, N.K. Hatzitrifon, K. Sicalidis and E.C.Aifantis, "A Preliminary Study of Stress-Assisted Fluid Penetration in Ceramic Bricks", *Journal of the European Ceramic Society* 20, 489-495, 2000

CONFERENCE PROCEEDINGS

- C.1. E. Panayotidou, A. Kroustalli, A. Baklavariadis, **S.I. Marras**, I. Zuburtikudis, D.S. Achilias and D. Deligianinni, "Nanocomposites of Poly(3-hydroxybutyrate) with Layered Silicates: Characterization and Biocompatibility" Proceedings of the 8th Panhellenic Chemical Engineering Conference, Thessaloniki, 26-28/5/2011, cd rom.
- C.2. A. Baklavariadis, I. Zuburtikudis, E. Panayotidou, **S.I. Marras** and C. Panayiotou, " Porous Nanocomposite Materials Prepared by Polymer Mixtures and Montmorillonite for Tissue Engineering Applications" Proceedings of the 8th Panhellenic Chemical Engineering Conference, Thessaloniki, 26-28/5/2011, cd rom.
- C.3. A. Tsimpliaraki, I. Tsvintzelis, **S.I. Marras**, I. Zuburtikudis, C. Panayiotou, "Tailoring the porous structure of polymer/ clay nanocomposites by proper modification of the nanoclay's surface chemistry" in Book of Abstracts of COST Action 868: Understanding polymer (bio)functionalization at the nanoscale, Crete, Greece, 2-3/9/2010.
- C.4. E. Panayotidou, D.S. Achilias, **S.I. Marras**, I. Zuburtikudis "The role of the organo-modified nano-reinforcement on the thermal properties of Poly(3-hydroxybutyrate)-based hybrid materials", in Book of Abstracts of COST Action 868: Understanding polymer (bio)functionalization at the nanoscale, Crete, Greece, 2-3/9/2010.
- C.5. A. Tsimpliaraki, I. Tsvintzelis, **S.I. Marras**, I. Zuburtikudis, C. Panayiotou, "Foaming of PLA/clay nanocomposites in supercritical CO₂: The effect of clay surface chemistry on the final porous structure", accepted in the 19th International Conference on Durability of Composite Systems, Patra, 12-15/9/2010.
- C.6. A. Tsimpliaraki, I. Tsvintzelis, **S.I. Marras**, I. Zuburtikudis, C. Panayiotou, "Foaming of PCL/clay nanocomposites in supercritical CO₂: The effect of nanocomposite fabrication route on the final porous structure", accepted in the 19th International Conference on Durability of Composite Systems, Patra, 12-15/9/2010.
- C.7. A. Tsimpliaraki, I. Tsvintzelis, **S.I. Marras**, I. Zuburtikudis, C. Panayiotou, "Preparation of Microcellular Scaffolds of Poly (lactic acid) Nanocomposites with Controlled Porous Structure" in Proceeding of the 4th Panellenic Panhellenic Conference of the Hellenic Society of Biomechanics, EAEMBIO, Ioannina, 4-6/6/2010, p. 155.
- C.8. E. Panayotidou, A. Kroustalli, **S.I. Marras**, I. Zuburtikudis, D.S. Achilias, D. Deligianinni and D. Maurilas, "Nanocomposite materials of Biopolymer Poly(3-hydroxybutyrate): Preparation, Characterization and Biocompatibility" in Proceeding of the 4th Panellenic Panhellenic Conference of the Hellenic Society of Biomechanics, EAEMBIO, Ioannina, 4-6/6/2010, p. 155.
- C.9. A. Tsimpliaraki, **S.I. Marras**, P. Manoudis, I. Zuburtikudis, C. Panayiotou, "Pre- and post-spinning characterization of polymer/clay nanocomposites", in Abstract Book of the 4th International Technical Textiles Congress, Istanbul, 16-18 May 2010.
- C.10. A. Tsimpliaraki, P. Manoudis, **S.I. Marras**, I. Zuburtikudis, "Surface topography of nanocomposite fibrous electrospun mats using AFM", in Abstract Book of the 4th International Technical Textiles Congress, Istanbul, 16-18 May 2010.
- C.11. A. Tsimpliaraki, I. Tsvintzelis, **S.I. Marras**, I. Zuburtikudis, C. Panayiotou, "Preparation and Foaming of Nanocomposites in Supercritical CO₂", in Abstract Book of the 12th European Meeting SCF, Graz, 9-12 May 2010A.
- C.12. Tsimpliaraki, I. Zuburtikudis, **S.I. Marras**, C. Panayiotou, "Optimizing the nanofibrous structure of non-woven mats of electrospun bio-degradable polymer nanocomposites, in Proceedings of 6th international Conference on Textile and Polymer Biotechnology, Het Pand, Ghent, Belgium, 23-25/9/2009.
- C.13. A. Tsimpliaraki, I. Tsvintzelis, **S.I. Marras**, I. Zuburtikudis, C. Panayiotou, "Organomodification of nanoclays and its role on the porous structure of polymer nanocomposites produced by supercritical CO₂", in Abstract Book of the XXV Panhellenic

Conference on Solid State Physics and Materials Science, Thessaloniki, 20-23/9/2009, pp 312.

- C.14. Tsimliaraki, I. Tsivintzelis, I. Zuburtikudis, **S.I. Marras**, L. Papadopoulou, C. Panayiotou, "Porous microcellular nanocomposites of poly(DL-lactic acid)/organically modified montmorillonite – The role of alkyammonium type and its cation concentration during the filler's modification", in Abstract Book of the 6th International Conference on Nanosciences & Nanotechnologies, Thessaloniki (NN09), 13-15/7/2009.
- C.15. I. Zuburtikudis, **S.I. Marras**, E. Panayotidou and K. Tornikidou, "Fabrication of Poly(3-hydroxybutyrate)/Layered Silicate Nanocomposites Through Melt Intercalation", Proceedings of the 7th Panhellenic Chemical Engineering Conference, Patras, Greece, 3-5/6/2009, cd rom.
- C.16. **S.I. Marras**, I. Zuburtikudis, E. Panayotidou, C. Panayiotou, "Morphology and Thermo-mechanical Properties of Poly(ϵ -caprolactone)/Clay Nanocomposites: Effect of clay modification level" Proceedings of the 7th Panhellenic Chemical Engineering Conference, Patras, Greece, 3-5/6/2009, cd rom.
- C.17. A. Tsimliaraki, I. Zuburtikudis, **S.I. Marras**, C. Panayiotou, "Production of biodegradable polymer nanocomposite membranes and optimization of their nanofibrous morphology", Proceedings of the 7th Panhellenic Chemical Engineering Conference, Patras, Greece, 3-5/6/2009, cd rom.
- C.18. I. Zuburtikudis, **S.I. Marras**, E. Panayotidou and K. Tornikidou, "Biodegradable Poly(3-hydroxybutyrate)/Layered Silicate Nanocomposites through melt intercalation", in Book of Abstracts of COST Action 868: Biotechnology and Biopolymers in Textile Packaging, Cosmetics and Medical Applications, Istanbul, Turkiye, 19-20/2/2009.
- C.19. I. Zuburtikudis, K. Tornikidou, **S.I. Marras**, E. Panayotidou, G. Christofidou, "Environmentally-benign Polymer/Silicate Nanocomposites for Biomedical and Packaging Applications" AIChE Annual Meeting, Philadelphia, 16-21/11/2008.
- C.20. I. Zuburtikudis, **S.I. Marras**, K. Tornikidou, E. Panayotidou and G. Christofidou, "Enhanced Thermal Stability of Biodegradable Poly(3-hydroxybutyrate)/Layered Silicate Nanocomposites", AIChE Annual Meeting, Philadelphia, 16-21/11/2008.
- C.21. **S.I. Marras**, I. Zuburtikudis, A. Tsimliaraki, K. Tornikidou, E. Panayotidou, G. Christofidou, "The Extent of Filler's Organo-modification and the Resulting Morphology and Thermo-mechanical Properties of Poly(ϵ -caprolactone)/Clay Nanocomposites", AIChE Annual Meeting, Philadelphia, 16-21/11/2008.
- C.22. **S.I. Marras**, I. Zuburtikudis, K. Tornikidou, A. Tsimliaraki, E. Panayotidou, G. Christofidou "Structural and Thermo-mechanical Characteristics of high-amylose Starch/Bionolle Nanocomposite Blends", AIChE Annual Meeting, Philadelphia, 16-21/11/2008.
- C.23. A. Tsimliaraki, S. Svinterikos, **S.I. Marras**, I. Zuburtikudis and C. Panayiotou, "Optimization of the nanofibrous structure of non-woven mats of electrospun biodegradable nanocomposites using Response Surface Methodology", AIChE Annual Meeting, Philadelphia, 16-21/11/2008.
- C.24. A. Tsimliaraki, S. Svinterikos, **S.I. Marras**, I. Zuburtikudis, L. Papadopoulou, C. Panayiotou, "PBSA/Layered Silicate Nanocomposites and the Role of Nanoclay on Their Electrospun Fibrous Structure, 6th International Symposium On Nanomanufacturing, Athens, 12-14/11/2008, pp15.
- C.25. A. Tsimliaraki, S. Svinterikos, **S.I. Marras**, I. Zuburtikudis, C. Panayiotou, "Nanofibrous structure of electrospun mats based on biopolymer nanocomposites", in Book of Abstracts of COST Action 868: Biotechnical Functionalization of Renewable Polymeric Materials. Joint Working Group and MC Meeting, Varna, Bulgaria, 18-19/11/2008.
- C.26. E. Panayotidou, **S.I. Marras**, I. Zuburtikudis and D.S. Achilias "Nanofiller Effect on the Thermal Response of Poly(3-hydroxybutyrate) Nanocomposite and Isoconversional Kinetic Analysis of the Thermal Degradation", in Book of Abstracts of the 7th Hellenic Polymer Conference, Ioannina, 28/9/-1/10/2008, p.p. 174-175.
- C.27. I. Tsivintzelis, **S.I. Marras**, I. Zuburtikudis and C. Panayiotou, "Microcellular Nanocomposite Polymers Prepared with Supercritical CO₂: The Role of Nanoclays on Porous Structure", in Book of Abstracts of the 7th Hellenic Polymer Conference, Ioannina, 28/9/-1/10/2008, p.p. 274-275.

- C.28. A. Tsimpliaraki, S. Svinterikos, **S.I. Marras**, I. Zuburtikudis, L. Papadopoulou, C. Panayiotou, "Preparation and Characterization of Biodegradable Polymer Nanocomposites and Their Nanofibrous Nonwoven Mats", in Book of Abstracts of the 5th International Conference on Nanosciences & Nanotechnologies, Thessaloniki, 14-16/7/2008, p.p. 246.
- C.29. **S.I. Marras**, I. Zuburtikudis, K. Tornikidou, E. Panayotidou, G. Christofidou, "Morphology and Thermomechanical Behavior of Poly(ϵ -caprolactone) Clay Nanocomposites: The Role of Filler Modification Level", in Book of Abstracts of the 5th International Conference on Nanosciences & Nanotechnologies, Thessaloniki, 14-16/7/2008, p.p. 231.
- C.30. **S.I. Marras**, I. Zuburtikudis, K. Tornikidou, E. Panayotidou, G. Christofidou, "Thermal Behavior of Biodegradable Poly(3-hydroxybutyrate)/Layered Silicate Nanocomposites", in Book of Abstracts of the 5th International Conference on Nanosciences & Nanotechnologies, Thessaloniki, 14-16/7/2008, p.p. 232.
- C.31. A. Tsimpliaraki, S. Svinterikos, **S.I. Marras**, I. Zuburtikudis, L. Papadopoulou, C. Panayiotou, "Nanofibrous Structure of Non-Woven Mats of Electrospun Polymer Nanocomposites" in Book of Abstracts of 1st International Conference from nanoparticles & Nanomaterials to Nanodevices and Nanosystems (1st IC4N – 2008), Halkidiki, Greece, 16-18/6/2008, p. 376.
- C.32. **S.I. Marras**, I. Zuburtikudis, K. Tornikidou, E. Panayotidou, G. Christofidou, "Effect of Surfactant Concentration on Poly(ϵ -caprolactone)/Clay Nanocomposite Properties" in Book of Abstracts of 1st International Conference from nanoparticles & Nanomaterials to Nanodevices and Nanosystems (1st IC4N – 2008), Halkidiki, Greece, 16-18/6/2008, p. 375.
- C.33. I. Zuburtikudis, **S.I. Marras**, K. Tornikidou, E. Panayotidou, G. Christofidou, "Effect of Nanoclays on the Thermal Response of Poly(3-hydroxybutyrate) Nanocomposites" in Book of Abstracts of 1st International Conference from nanoparticles & Nanomaterials to Nanodevices and Nanosystems (1st IC4N – 2008), Halkidiki, Greece, 16-18/6/2008, p. 386.
- C.34. **S.I. Marras**, I. Zuburtikudis, K. Tornikidou, E. Panayotidou, G. Christofidou, "Effect of Filler Modification Level on the Structural and Thermomechanical Characteristics of Poly(ϵ -caprolactone) Clay Nanocomposites", in Nano – 2008 – 9th International Conference on Nanostructured Materials, Rio de Janeiro, Brazil, 1-6/6/2008.
- C.35. I. Zuburtikudis, K. Tornikidou, **S.I. Marras**, E. Panayotidou, G. Christofidou, "Green Polymer/Layered Silicate Nanocomposites for Biomedical and Packaging Applications", in Nano – 2008 – 9th International Conference on Nanostructured Materials, Rio de Janeiro, Brazil, 1-6/6/2008.
- C.36. A. Spanoudaki, P. Pisis, I. Zuburtikudis, **S.I. Marras** and C. Panayiotou, "Effect of Montmorillonite Nano inclusions on the molecular Dynamic and Thermal Properties of Polylactic acid", in Proceedings of the 1st Panhellenic Conference in Packaging, Athens, 17-18/03/2008, cd rom.
- C.37. C. Panayiotou, **S. Marras**, I. Tsvintzelis, K. Kladi, and I. Zuburtikoudis, "Electrospinning of Poly(ϵ -caprolactone) Clay Nanocomposites", in 2007 AIChE Annual Meeting, Salt Lake City, USA 4-9/11/2007.
- C.38. I. Zuburtikudis, **S.I. Marras**, A. Tsimpliaraki, "Nanocomposite Materials with Matrix of Biodegradable Copolymer of Boutanodiol 1,4 and Succinic & Adipic Acid", Proceedings of the 6th Panhellenic Chemical Engineering Conference, Athens, Greece, 31/5-2/6-2007, pp. 461-464.
- C.39. **S.I. Marras**, I. Zuburtikudis, A. Tsimpliaraki, C. Panayiotou, "The role of Surfactant on the Structure and the Thermal Properties of Nanocomposite Materials of Poly(L-lactic acid) Clay Nanocomposites", Proceedings of the 6th Panhellenic Chemical Engineering Conference, Athens, Greece, 31/5-2/6-2007, pp. 237-240.
- C.40. I. Tsvintzelis, K. Tsiopias, **S.I. Marras**, C. Panayiotou I. Filippou, "Preparation of cellulose Fibrous Structure by Electrospinning Process", Proceedings of the 6th Panhellenic Chemical Engineering Conference, Athens, Greece, 31/5-2/6-2007, pp. 381-384.
- C.41. A. Tsimpliaraki, **S.I. Marras**, I. Zuburtikudis, "Fabrication of Polymer clay nanocomposites using solvent and applying shear: A Comparative Study", Proceedings of the 6th Panhellenic Chemical Engineering Conference, Athens, Greece, 31/5-2/6-2007, pp. 465-468.

- C.42. K. Tsiopias, I. Tsvintzelis, **S.I. Marras**, Ch. Ritzoulis, C. Panayiotou, "Porous Hydrogels of Chitin: A New Preparation Method", Proceedings of the 6th Panhellenic Chemical Engineering Conference, Athens, Greece, 31/5-2/6-2007, pp. 457-460.
- C.43. K.Vartzeli-Nikaki, V. Fotopoulos, S. Christopoulos, A. Spanoudaki, P. Pissis, **I. Zuburtikudis**, S. I. Marras and C. Panayiotou, "Crystallisation and Dielectric Properties of Poly(lactic acid)/montmorillonite Composites", in Proceedings of the *MRS Fall Meeting*, Boston, MA, USA, 26-30/11/2007.
- C.44. **S.I. Marras**, I. Zuburtikudis, S. Kokkou and C. Panayiotou, "Influence of Nanostructure on the Thermo-Mechanical Response of Poly(L-lactic acid) Clay Nanocomposites", in Proceedings of the 3rd Workshop Nanosciences & Nanotechnologies, Thessaloniki, 10-12/7/2006, pp 102.
- C.45. **S. Marras**, I. Tsvintzelis, E. Pavlidou, I. Zuburtikudis, C. Panayiotou, "Morphology and Thermal Behaviour of Poly(L-lactic acid) Nanocomposite Scaffolds" in Proceedings of the 3rd Workshop Nanosciences & Nanotechnologies, Thessaloniki, 10-12/7/2006, pp 98.
- C.46. **S.I. Marras**, A. Tsimliaraki, I. Zuburtikudis, C. Panayiotou, "Morphology and Thermal Behavior of Polymer Layered Silicate Nanocomposites", in Book of Abstracts of International Conference on Nanoscience and Technology, Basel/Switzerland, 30/7-4/8/2006 pp 305.
- C.47. I. Tsvintzelis, **S.I. Marras**, I. Zuburtikudis, C. Panayiotou, "Preparation of Porous Structures of Biodegradable Polymer Nanocomposites" in Book of Abstracts of XX Panhellenic Solid State Physics and Material Science Conference, Patras, Greece, 24-27/9/2006, pp. 181.
- C.48. **S.I. Marras**, I. Zuburtikudis, A. Tsimliaraki, C. Panayiotou, "Influence of the Degree of Clay Modification on the Structure and the Thermomechanical Characteristics of Poly(L-lactic acid) Nanocomposite" in Book of Abstracts of XX Panhellenic Solid State Physics and Material Science Conference, Patras, Greece, 24-27/9/2006, pp. 158.
- C.49. E.D. Agnantopoulou, V. Tserki, **S.I. Marras**, I. Filippou and C. Panayiotou "Development of Biodegradable Polymer Composites from Wooden Micro-particles in a Matrix of Plasticized Starch" in Book of Abstracts of XX Panhellenic Solid State Physics and Material Science Conference, Patras, Greece, 24-27/9/2006, pp. 125.
- C.50. **S.I. Marras**, I. Zuburtikudis, C. Panayiotou, "A Comparison between the Thermo-Mechanical Properties of Poly(L-lactic acid)/Montmorillonite Nanocomposites and Those of the Corresponding Conventional Composites" in Book of Abstracts of the 6th Hellenic Conference on Polymers, Patras, 3-5/11/2006, pp.293-295.
- C.51. I. Tsvintzelis, **S.I. Marras**, I. Zuburtikudis, C. Panayiotou, "Preparation of Nanocomposite Micro-cellular Structures for Biomedical Applications", 1st Two-day Meeting of the Hellenic Society of Biomaterials on "Biomaterials Today", Athens, 7-8/10/2006.
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