

Adam Stinoniaris,

Professor of Technological Applications, Dept of Pollution Prevention, TEIWM.

I. PERSONAL DATA

Birth date: 16/04/1961
Birth place: Kozani, Greece
E-mail: astim@teiwmm.gr
Marital Status: Married with three children.
Military service: November 1984 - November 1985 (1 year)

II. EDUCATION

- a)** Degree in Applied Chemistry from the Department of Chemistry (School of Science) of the University of Ioannina (UOI), Ioannina, GREECE, November 1984.
- b)** Masters Degree in "Chemical Environmental Technology" from the Department of Chemistry (School of Science) of the University of Ioannina (UOI), Ioannina, GREECE, March 2005.
- c)** PhD in "Nanocomposites", at the Department of Materials Science and Engineering in the School of Engineering of the University of Ioannina (UOI), Ioannina, GREECE, June 2018.

III. RESEARCH PROJECTS

- a)** Scientifically responsible for the project "Protection of the environment through the promotion of biomass for the substitution of fossil fuels in heating and power generation" (BioFoss), cross-border IPA "Greece - former Yugoslav Republic of Macedonia 2007-2013", 2/2015 - 6/2016.
- b)** Execution of research works in TRC Western Macedonia, the project "Development of innovative technologies Biodiesel and Bioethanol production", 1/2007-05/2008.
- c)** Member of the research team in the project "Polymer matrix materials with emphasis on applications of electrostatic charge" (ARCHIMIDIS II), 1/2005-12/2007.
- d)** Participation in the research group of the project "Advanced Coating Technology - Welding and Applications" (ARCHIMIDIS), 1/2004-03/2007.
- e)** Participation as a researcher in the research program of the Ministry of Education for T.E.I. Kozanis, entitled "Study of physical properties of polyamides in relation to the structure and construction of the macromolecule", 1991-1998.

IV. WORKING EXPERIENCE

- a) 2004 – 2010: Business Consultant** – Consultancy Services on technical analysis and chemical testing on specific production lines.

b) **January 2003 – December 2003: Technical Support** on organizational and functional issues regarding quality control lab (implementation on a concrete enterprise).

c) **1987 – 2010: Self - Employed** as owner and person in charge of the administration and syllabus in a private institution.

V. TEACHING EXPERIENCE

a) **2010 – Present:** Professor of Applications in the Department of Pollution Control Technologies of the TEI of West Macedonia in the subjects: Chemical Technology, Landfills, Environmental Impact Studies, Renewable Energy.

b) **1990 – 2010:** Scientific and Labs associate of the General Department in the subjects: Electrochemistry, Quality Control and Materials Technology, Advanced Chemistry, Chemical Technology, Chemistry. And labs associate in the Department of Pollution Control Technologies in the subjects: Chemistry, Materials Technology, Physicochemical Processes.

c) **1993 – 1996:** Lecturer (and person in charge of the workshops) in the specialty: Technician of Pollution Control and Pollution Control Plant in the subjects: Chemistry, Special Topics in Chemistry, Sources of Pollution Technical Quality-quantitative, Identification Pollution, Practical Exercise.

VI. PUBLICATIONS

International Journals:

Seven papers (7) in International Journals.

Detailed record at the field: A. – Track-record.

International Conferences:

Twenty one (21) papers in Proceedings of International Conferences with reviewers.

Three (3) conference presentations and Eighteen (18) discussion papers in conference proceedings.

Detailed record at the field: B. – Track-record.

VII. Early Achievement Track-Record:

B. International Journals

1. **C.G. Tsanaktsidis, A.Z. Stimoniariis, S.A. Bousios, G. Tzilantonis, A.A. Scaltsoyiannes, M. Taksira and A.V. Scaltsoyiannes**, *“Improvement of the physicochemical properties of distilled products of petroleum (Diesel, JP-8) and mix Diesel-Biodiesel by using European Black Pine oleoresin”*, Journal of Environmental Protection, **2016**, accepted for publication.
2. **Stergiou C.A., Stimoniariis A.Z. and Delides C.G.**, *“Hybrid Nanocomposites With Organoclay and Carbon-Based Fillers for EMI Suppression”*, IEEE Transactions on Electromagnetic Compatibility, vol. 57, 3, **2015**, p.p. 470-476.
3. **H. Zois, E. Patargia, A. Kanapitsas, A.Z. Stimoniariis and C.G. Delides**, *“Thermomechanical properties of epoxy resin / carbon nanotubes / clay nanocomposites”*, Nanotechnology, vol. 1, 1, **2014**, p.p. 400-403.

4. **H. Zois, A.Z. Stimoniariis, A. Kanapitsas and C.G. Delides**, “*Influence of Nanoclay’s incorporation on mechanical and thermogravimetric properties of ER/MWCNT Composites*”, *Nanotechnology*, vol. 1, 1, **2013**, p.p. 63-66.
5. **A.Z. Stimoniariis, C.A. Stergiou and C.G. Delides**, “*A detailed study of α -relaxation in epoxy/carbon nanoparticles composites using computational analysis*”, *eXPRESS Polymer Letters*, vol. 4, 2, **2012**, p.p. 120-128.
6. **A. Kanapitsas, H. Zois, A.Z. Stimoniariis and C.G. Delides**, “*Thermal and Thermomechanical Properties of Epoxy Resin/Carbon Black Nanocomposites*”, *Nanotechnology*, vol. 1, 6, **2012**, p.p. 582-585.
7. **T.V. Kosmidou, E. Nikolaidou, A.Z. Stimoniariis, A.S. Vatalis and C.G. Delides**, “*Thermal and Dynamical Investigation on the Effect of Aminofunctionalized Carbon Nanotubes Embedded in an Epoxy Matrix*”, *Journal of Engineering Science and Technology Review*, vol. 4, 2, **2011**, p.p. 169-173.

B. International Conferences with Reviewers

Conference Presentations

1. **A.Z. Stimoniariis, C.A. Stergiou and C.G. Delides**, “*A study of diluents’ absorption though the analysis of α - relaxation in polymer nanocomposites*”, 9th International Conference on Durability of Composite Systems – **DURACOSYS 2010**, Patra, Greece, September 12–15, **2010**, p.p. 114.
2. **A.Z. Stimoniariis, C.A. Stergiou and C.G. Delides**, “*A detailed analysis of α -relaxation in epoxy/carbon nanoparticles composites*”, 9th International Conference on Durability of Composite Systems – **DURACOSYS 2010**, Patra, Greece, September 12–15, **2010**, p.p. 116.
3. **A.Z. Stimoniariis, C.G. Vatalis, C.G. Delides, A. Kanapitsas and P. Pissis**, “*Dielectric and Mechanical studies of Epoxy Resin filled with Carbon Black subjected to various curing conditions*”, International Conference on Structural Analysis of Advanced Materials – **ICSAM 2007**, Patras, Greece, September 2–6, **2007**, p.p. 84.

Discussion papers in conference proceedings

4. **A. Stimoniariis, H. Zois, A. Kanapitsas, M. Karakassides and C. Delides**, “*Monitoring the fly ash dispersion in epoxy matrix and its effect on the thermomechanical properties of the obtained composites*”, **ICSAAM 2015**, The 6th International Conference on Structural Analysis of Advanced Materials, **08 - 11 September 2015, Porto, Portugal**.
5. **A. Stimoniariis, D. Gournis, M. Karakassides and C. Delides**, “*Thermomechanical characterization of epoxy/carbon black/graphene oxide hybrid nanocomposites*”, **ICSAAM 2015**, The 6th International Conference on Structural Analysis of Advanced Materials, **08 - 11 September 2015, Porto, Portugal**.
6. **C. A. Stergiou, A. Z. Stimoniariis and C. G. Delides**, “*Microwave attenuation and dielectric properties of hybrid nanocomposites co-filled with organomodified graphene oxide*”, 31th Panhellenic Conference on Solid State Physics and Materials Science **20-23 September, 2015, Thessaloniki, Greece**.
7. **A. Z. Stimoniariis, C. A. Stergiou, M. A. Karakassides, D. Gournis and C. G. Delides**, “*Thermomechanical characterization of hybrid epoxy composites with Carbon-based nanofillers*”, 31th Panhellenic Conference on Solid State Physics and Materials Science, **20-23 September, 2015, Thessaloniki, Greece**.
8. **A. Stimoniariis, H. Zois, A. Kanapitsas and C. Delides**, “*Epoxy resin / fly ash composites: Effect of sonication time on thermo-mechanical behaviour*”, 30th Panhellenic Conference on Solid State Physics and Materials Science **21-23 September, 2014, Heraklion, Crete, Greece**.

9. **A. Z. Stimoniariis, C. A. Stergiou, M. A. Karakassides and C.G. Delides**, “*The synergistic effect of hybrid fillers on the thermomechanical properties of epoxy nanocomposites*”, 30th Panhellenic Conference on Solid State Physics and Materials Science 21-23 September, 2014, Heraklion, Crete, Greece.
 10. **H. Zois, E. Patargia, A. Kanapitsas, A.Z. Stimoniariis and C.G. Delides**, “*Thermomechanical properties of epoxy resin / carbon nanotubes / clay nanocomposites*”, Nanotech Conference 2014, Washington, DC, USA, June 15-18, 2014, p.p. 400-403.
 11. **C.A. Stergiou, A.Z. Stimoniariis and C.G. Delides**, “*Microwave Reflection Reduction and Shielding Effectiveness of Carbon Black, Multiwalled Carbon Nanotube and Nanoclay Loaded Epoxy Composites*”, XXIX PanHellenic Conference on Solid-State Physics and Materials Science, Athens, Greece, September 22-25, 2013, p.
 12. **A.Z. Stimoniariis, A.P. Karadiakos, C.A. Stergiou, A.E. Domopoulou, M.A. Karakassides and C.G. Delides**, “*Effect of Sonication on the Structural Changes and the Thermomechanical Properties of Epoxy/Fly Ash Composites*”, XXIX PanHellenic Conference on Solid-State Physics and Materials Science, Athens, Greece, September 22-25, 2013, p.
 13. **H. Zois, A.Z. Stimoniariis, A. Kanapitsas and C.G. Delides**, “*Influence of Nanoclay’s incorporation on mechanical and thermogravimetric properties of ER/MWCNT Composites*”, *Nanotechnology*, vol. 1, 1, 2013, p.p. 63-66.
 14. **A. Stimoniariis, M. Papadopoulou, H. Zois, A. Kanapitsas and C. Delides**, “*The effect of fillers’ synergy on the activation energies of α -(glass transition) and β -(local) relaxations in epoxy nanocomposites*”, 11th Mediterranean Conference on Calorimetry and Thermal Analysis – **MEDICTA 2013**, National Hellenic Research Foundation, Athens, Greece, June 12-15, 2013, p. 75.
 15. **A. Kanapitsas, H. Zois, A. Stimoniariis, and C. Delides**, “*Thermomechanical Characterization and Decomposition Kinetics Study of Epoxy Resin Nanocomposites*”, 11th Mediterranean Conference on Calorimetry and Thermal Analysis – **MEDICTA 2013**, National Hellenic Research Foundation, Athens, Greece, June 12-15, 2013, p. 76.
 16. **D. Piromalis, A. Stimoniariis, D. Tseles, H. Zois, A. Kanapitsas and C. Delides**, “*Electromagnetic Shielding of Microelectronics Based on Polymer nanocomposites*”, 11th Mediterranean Conference on Calorimetry and Thermal Analysis – **MEDICTA 2013**, National Hellenic Research Foundation, Athens, Greece, June 12-15, 2013, p. 120.
 17. **A. Kanapitsas, H. Zois, A.Z. Stimoniariis and C.G. Delides**, “*Thermal and Thermomechanical Properties of Epoxy Resin/Carbon Black Nanocomposites*”, **Nanotech** Conference 2012, Santa Clara, USA, June 18-21, 2012, p.p. 582-585.
 18. **A. Kanapitsas, H. Zois, A. Stimoniariis and C. Delides**, “*Degradation Behavior and Stability Properties of Epoxy Resin/Carbon Black Nanocomposites*”, **EUROfillers 2011**, Dresden, Germany, August 21-25, 2011, p.p. 164
 19. **H. Zois, A. Kanapitsas, A. Stimoniariis and C. Delides**, “*Characterization of Epoxy Resin Nanocomposites by Thermomechanical Techniques*” 10th Mediterranean Conference on Calorimetry and Thermal Analysis – **MEDICTA 2011**, University of Porto, Portugal, June 24-27, 2011, p. 6.6.
 20. **E. Nikolaidou, A.Z. Stimoniariis and C.G. Delides**, “*Similarities and differences in thermomechanical properties of ER/CNTs and ER/CB nanocomposites*”, 9th International Conference on Durability of Composite Systems – **DURACOSYS 2010**, Patra, Greece, September 12–15, 2010, p.p. 100.
 21. **T.V. Kosmidou, E. Nikolaidou, A.Z. Stimoniariis and C.G. Delides**, “*The effect of amino-functionalized multi-walled carbon nanotubes on the dynamic mechanical properties of epoxy composites*”, 9th Mediterranean Conference on Calorimetry and Thermal Analysis – **MEDICTA 2009**, Marseille, France, June 15-18, 2009, p.p. 462.
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