

PANAGIOTIS S. MAROULAS

Personal Information

First name / Surname: Panagiotis Maroulas
Address: Therapion 7-9, 14234, New Ionia, Athens, Greece
Phone Number / Email: (0030)6936224831, panagiotis.maroulas@gmail.com
Nationality / Gender: Greek, Male
Date of birth: 1979 June 6
Marital Status: Single
Armed forces obligation: Fulfilled

Education and Training

2005-2009: Ph.D. «**Research and development of structure-property relationship in hybrid and nanocomposite materials based on cyanate ester resins**»
N.T.U.A, School of applied Physics and Mathematics, Physics department.

Principal subjects/occupational skills covered:

Experienced in many material characterization techniques with emphasis in dielectric and thermal analysis, led and organized a chemical laboratory, constructed an apparatus for in situ monitoring polymerization, synthesized and formed polymer/nanocomposite thin films.

2004-2005: Post graduate diploma in ‘Material Science and Technology’ N.T.U.A,
School of Chemical Engineering.

Principal subjects/occupational skills covered:

Familiarized with many material testing and treating techniques and defended the thesis of «**Structure-property relationship of nanostructured advanced technological polymeric materials**» which involves modified polyimides for gas filter applications.

1999-2004: Graduate degree in Chemistry, University of Patras, School of Exact Sciences, Chemistry department.

Principal subjects/occupational skills covered:

Emphasized in synthetic and physical chemistry, have defended the thesis «**Quantum mechanical and physico chemical properties of HKrI**» in the field of quantum mechanical molecular computations.

1998-1999: Computer Programmer, Institute of professional training ‘Korelko’

Principal subjects/occupational skills covered:

Programming basics, Pascal and C languages, Microsoft Office tools.

Professional Experience

1/2011-12/2011: QC and R&D laboratory Manager.

Autofix S.A., Attiki, Greece

Principal subjects/occupational skills covered:

- Planning of QA experiments
- Labeling and marking of new products according to EU regulations
- Control and optimization of production line
- Quality assurance of raw materials and packaging
- Development of novel products

- 9/2009-1/2010: Analytical chemist for lubricants and fuels used in armed forces aircrafts.
Military territory of Megara, Attiki, Greece
Principal subjects/occupational skills covered:
- Atomic emission spectroscopy
- 1-3/2009: Researcher in the field of nanocomposite and nanostructured polymeric materials
- 2-10/2005 (and)
composite polymeric materials with conduction fillers.
N.T.U.A, School of applied Physics and Mathematics
- 9/2005-9/2008: Teaching assistant in laboratory courses.
N.T.U.A, School of applied Physics and Mathematics
- 5-9/2004: Computer network administrator
Bits & Bytes (Internet service company)
- 8/1999-8/2000: Data entry employee
Special Tours (tourist agency)

Personal skills

Mother tongue: Greek

Other languages: English (FCE) with the ability to speak and write fluently.

Technical skills: Well understanding of electrical circuits and experience in soldering.

Computer skills: Experienced in tools such as Labview, Matlab, Mathematica, Gaussian, Chemoffice, Origin.

Driving licence: Type B, applicable for driving a passenger car, acquired in Greece

Participation in seminars

- «**Quality management: ISO-HACCP**», University of Patras, 8 hour seminar
- 4th και 5th conference in clinical chemistry «**Design and development of pharmasuticals**», University of Patras, 12 and 24 hour respectively
- «**Advanced materials summer School**», National Centre of Scientific Research "Demokritos", 48 hour seminar
- «**Methodology and Practice for the Management of Research, Technology and Innovation**», N.T.U.A., 100 hour seminar

Publications in international Journals

- Kyritsis A, Vikelis G, Maroulas P, Pissis P, Milosheva B, Kotsilkova R, et al. Polymer dynamics in epoxy/alumina nanocomposites studied by various techniques. J Appl Polym Sci. 2011;121(6):3613-27
- Tsamasphyros G, Kalkanis K, Maroulas P, Anthoulis GI, Grigoryeva O. Formulation and evaluation of a novel adhesive film for use in composite patch repair. Macromolecular Symposia. 2009;286(1):42-8
- Maroulas P, Kripotou S, Pissis P, Fainleib A, Bei I, Bershtein V, et al. Molecular mobility in polycyanurate/clay nanocomposites studied by dielectric techniques. J Composite Mater. 2009;43(9):943-58.
- Bershtein VA, Fainleib AM, Pissis P, Bei IM, Dalmas F, Egorova LM, et al. Polycyanurate-organically modified montmorillonite nanocomposites: Structure-dynamics-properties relationships. Journal of Macromolecular Science, Part B: Physics. 2008;47(3):555-75

- Maroulas P, Kriptomou S, Sysel P, Hobzova R, Kotek J, Pissis P. Molecular dynamics in hyperbranched polyimides cross-linked with ethylene glycol diglycidyl ether. *J Non Cryst Solids*. 2006;352(42-49 SPEC. ISS.):4800-3
- Bershtein VA, Egorova LM, Yakushev PN, Sysel P, Hobzova R, Kotek J, et al. Hyperbranched polyimides crosslinked with ethylene glycol diglycidyl ether: Glass transition dynamics and permeability. *Polymer*. 2006;47(19):6765-72

Publications in conference proceedings

- Tsamasphyros G, Kalkanis K, Maroulas P, Anthoulis GI, Grigoryeva O. In: Formulation and evaluation of a novel adhesive film for use in composite patch repair. AIP conference proceedings; ; 2008. p. 35-7

Poster Presentations

- *4th IDS & DRP 2006, Poznan, Poland*, ‘Investigation of kinetics, morphology, and molecular mobility in PCN/MMT nanocomposite systems’ P. Maroulas, S. Kriptomou, P. Pissis, A. Fainleib, I. Bei, V. Bershtein, Y Gomza
- *46th Microsymposium of Nanostructured Polymers and Polymer Nanocomposites 2007, Prague, Czech Republic* ‘Molecular mobility and glass transition dynamics of PCN/organoclay nanocomposites’ P. Maroulas, S.kriptomou, P.Pissis, G. Anthoulis, E. Kontou, A. Fainleib, I. Bei
- *6th International Symposium on Advanced Composites (COMP07), Corfu (Greece), May 16-18, 2007* ‘Effects of MMT dispersion in PCN/PTMG matrices’ P. Maroulas, S. Kriptomou, P. Pissis, A. Fainleib, I. Bei, V. Bershtein, Y. Gomza
- *5th International Conference on “Broadband Dielectric Spectroscopy and Its Applications” (BDS-2008), August 2008, Lyon, France* ‘Molecular Mobility Studies in PCN/PUMA clay nanocomposites’, P. Maroulas, S. Kriptomou, P. Pissis, A. Fainleib, K. Gusakova
- *3th Hellenic Conference of thermal analysis (THERMA 2007), 7-9 December 2007, Athens* ‘Molecular mobility and glass transition of PCN/MMT nanocomposites.
- *7th Hellenic Polymer Conference, Ioannina 28 September 2008*, ‘Molecular Mobility studies in hybrid PCN clay nanocomposites’, P. Maroulas, S. Kriptomou, P. Pissis, A. Fainleib, K. Gusakova

References

Evaluable if needed through communication concerned with the following:

- **Pissis Polycarpus** (Prof.), N.T.U.A, School of applied Physics and Mathematics, Physics department, email: ppissis@central.ntua.gr
- **Simitzis Ioannis** (Prof.), N.T.U.A, School of Chemical Engineering, email: simj@orfeas.chemeng.ntua.gr
- **Maroulis Georgios** (Prof.), University of Patras, School of Exact Sciences, Chemistry department, email: maroulis@upatras.gr