

GRIGORIS MOUNTRICHAS

PUBLICATIONS

May 2011

A. Ph.D. THESIS

- 1) "Polymer based hybrid materials", Chemistry Department, University of Athens, Greece, (2/2008).

B. CHAPTERS IN BOOKS

- 1) G. Mountrichas, S. Pispas

"Current Developments in Double Hydrophilic Block Copolymers"

"Polymer Aging, Stabilizers and Amphiphilic Block Copolymers", L. Segewicz and M. Petrowsky (Eds), Nova Science Publishers, Inc., 2010, Chapter 9.

- 2) A. Meristoudi, G. Mountrichas, S. Pispas

"Metal nanoparticle synthesis in block copolymer self-assembled nanostructures"

Encyclopedia of Nanoscience and Nanotechnology, H. S. Nalwa (Ed), American Scientific Publishers, 2010.

C. PAPERS IN REFEREED JOURNALS

- 1) "Micelles of star block (PSPI)₈ and PSPI diblock copolymers (PS = polystyrene, PI = polyisoprene): structure and kinetics of micellization", G. Mountrichas, M. Mpiri and S. Pispas, *Macromolecules* 38, 940 (2005).
- 2) "Well-defined flexible polyelectrolytes with two cationic sites per monomeric unit", G. Mountrichas, C. Mantzaridis and S. Pispas, *Macromol. Rapid Commun.* 27, 289 (2006).
- 3) "Synthesis and pH responsive self-assembly of new double hydrophilic block copolymers", G. Mountrichas and S. Pispas, *Macromolecules* 39, 4767 (2006).

- 4) "Hybrid polymer/cobalt chloride humidity sensors based on optical diffraction", A. Tsigara, G. Mountrichas, K. Gatsouli, A. Nichelatti, S. Pispas, N. Madamopoulos, N. A. Vainos, H. L. Du and F. Roubani-Kalantzopoulou, *Sens. Actuators B* *120*, 481 (2007).
- 5) "Aqueous carbon nanotubes—amphiphilic block copolymer nanoensembles: towards realization of charge transfer processes with semiconductor quantum dots", G. Mountrichas, S. Pispas and N. Tagmatarchis, *Small* *3*, 404 (2007).
- 6) "Synthesis and solution behavior of carbon nanotubes decorated with amphiphilic block polyelectrolytes", G. Mountrichas, N. Tagmatarchis and S. Pispas, *J. Phys. Chem. B* *111*, 8369 (2007).
- 7) "Aqueous dispersions of C₆₀ fullerene by the use of amphiphilic block copolymers: preparation and non-linear optical properties", G. Mountrichas, S. Pispas, E. Xenogiannopoulou, P. Aloukos and S. Couris, *J. Phys. Chem. B* *111*, 4315 (2007).
- 8) "Grafting living polymers onto carbon nanohorns", G. Mountrichas, S. Pispas and N. Tagmatarchis, *Chem. Eur. J.* *13*, 7595 (2007).
- 9) "Novel double hydrophilic block copolymers based on poly(p-hydroxystyrene) derivatives and polyethylene oxide", G. Mountrichas and S. Pispas, *J. Polym. Sci., Part A: Polym. Chem.* *45*, 5790 (2007).
- 10) "pH-Dependent self-assembly of polystyrene-block-poly[(sulfamate-carboxylate)isoprene] copolymer in aqueous media", M. Uchman, K. Procházka, M. Štěpánek, G. Mountrichas, S. Pispas, M. Špírková and A. Walther, *Langmuir* *24*, 12017 (2008).
- 11) "Lithium ion induced nanophase ordering and ion mobility in ionic block copolymers", E. F. Ioannou, G. Mountrichas, S. Pispas, E. I. Kamitsosa and G. Floudas, *Macromolecules* *41*, 6183 (2008).
- 12) "Grafting-to approach for the functionalization of carbon nanotubes with polystyrene", G.

Mountrichas, S. Pispas and N. Tagmatarchis, *Mater. Sci. Eng., B* 152, 40 (2008).

- 13) "Solubilization of carbon nanohorns by polyelectrolyte wrapping and templated formation of gold nanoparticles", G. Mountrichas, T. Ichihashi, S. Pispas, M. Yudasaka, S. Iijima and N. Tagmatarchis, *J. Phys. Chem. C* 113, 5444 (2009).
- 14) "Functionalization of carbon nanohorns with polyethylene oxide: synthesis and incorporation in a polymer matrix", G. Mountrichas, N. Tagmatarchis and S. Pispas, *J. Nanosci. Nanotechnol.* 9, 3775 (2009).
- 15) "Synthesis and magnetic properties of Fe₃O₄ nanoparticles coated with biocompatible double hydrophilic block copolymer", G. Basina, G. Mountrichas, E. Devlin, N. Boukos, D. Niarchos, D. Petridis, S. Pispas and V. Tzitzios, *J. Nanosci. Nanotechnol.* 9, 4753 (2009).
- 16) "Photoinduced electron transfer in aqueous carbon nanotubes/block copolymer/CdS hybrids: application in the construction of photoelectrochemical cells", G. Mountrichas, A. S. D. Sandanayaka, S. Economopoulos, S. Pispas, O. Ito, T. Hasobe and N. Tagmatarchis, *J. Mat. Chem.* 19, 8990 (2009).
- 17) "Complexes between high charge density cationic polyelectrolytes and anionic single and double tail surfactants", C. Mantzaridis, G. Mountrichas and S. Pispas, *J. Phys. Chem. B* 113, 7064 (2009).
- 18) "Neutron reflectivity study of free-end distribution in self-assembled polymer brushes", N. Spiliopoulos, Koutsoubas, D. Anastassopoulos, A. Vradis, C. Toprakcioglu, A. Menelle, G. Mountrichas and S. Pispas, *Macromolecules* 42, 6209 (2009).
- 19) "Multicompartment nanoparticles formed by a heparin-mimicing block terpolymer in aqueous solutions", M. Uchman, M. Štěpánek, K. Procházka, G. Mountrichas, S. Pispas, I. K. Voets and A. Walther, *Macromolecules* 42, 5605 (2009).
- 20) "Amphiphilic polystyrene-*b*-poly(*p*-hydroxystyrene-*g*-ethylene oxide) block-graft copolymers via a combination of conventional and metal-free anionic polymerization", J.P. Jao, G. Mountrichas, G.X. Zhang, S. Pispas, *Macromolecules* 42, 8661 (2009).

- 21) "Thermoresponsive core-shell brush copolymers with poly(propylene oxide)-block-poly(ethylene oxide) side chains via a "grafting from" technique", J.P. Jao, G. Mountrichas, G.X. Zhang, S. Pispas, *Macromolecules* *43*, 1771 (2010).
- 22) "Stable responsive diblock copolymer micelles for rheology control", E. van Ruymbeke, A. Pamvouxoglou, D. Vlassopoulos, G. Petekidis, G. Mountrichas, S. Pispas, *Soft Matter* *6*, 881 (2010).
- 23) "Self-assembled nanoparticles from a block polyelectrolyte in aqueous media: structural characterization by SANS", A. Papagiannopoulos, M. Karayianni, G. Mountrichas, S. Pispas, A. Radulescu, *J. Phys. Chem. B* *114*, 7482 (2010).
- 24) "Polymer covalent functionalization of carbon nanohorns using bulk free radical polymerization", G. Mountrichas, S. Pispas, T. Ichihashi, M. Yudasaka, S. Iijima, N. Tagmatarchis, *Chem. Eur. J.* *16*, 5927 (2010).
- 25) "Solution behavior of poly(sodium(sulfamate-carboxylate)isoprene), a pH sensitive and intrinsically hydrophobic polyelectrolyte", M. Karayianni, G. Mountrichas S. Pispas, *J. Phys. Chem. B.* *33*, 10748 (2010).
- 26) "Template-free synthesis, growth mechanism and photoluminescent properties of Ln(OH)₃ and Ln₂O₃ nanorods (Ln: lanthanide ion)", T. Xia, J. Wang, N. Lin, L. Huo, H. Zhao, G. Mountrichas, *J. Alloys Comp* *507*, 245 (2010).
- 27) "Amphiphilic block copolymers by a combination of anionic polymerization and selective post-polymerization functionalization", E. Kaditi, G. Mountrichas, S. Pispas, *Eur. Polym. J.* *47*, 415 (2011).
- 28) "Orientation phenomena in chromophore DR1-containing polymer films and their non-linear optical response", D. Möncke, G. Mountrichas, S. Pispas, E.I. Kamitsos, V. Rodriguez, *Material Mater. Sci. Eng., B* *176*, 515 (2011).
- 29) "Polyelectrolyte - surfactant complexes formed by poly [3,5 – bis (trimethyl ammonium methyl) 4-hydroxystyrene iodide]-block-poly(ethylene oxide) and sodium dodecyl sulfate

- in aqueous solutions” M. Stepanek, P. Matejicek, K. Prochazka, S. K. Filippov, B. Angelov, M. Slouf, G. Mountrichas, S. Pispas, *Langmuir* 27, 5275 (2011).
- 30) “SHG and orientation phenomena in chromophore DR1-containing polymer films” D. Möncke, G. Mountrichas, S. Pispas, E.I. Kamitsos, V. Rodriguez, *Photonics Nanostruct. Fundam. Appl.* 9, 119 (2011).
- 31) “Crystallization and second harmonic generation of lithium niobium silicate glass ceramics” H. Vigouroux, E. Fargin, A. Fargues, B.L. Garrec, M. Dussauze, V. Rodriguez, F. Adamietz, G. Mountrichas, E. I. Kamitsos, S. Lotarev, V. Sigaev, *J. Am. Cer. Soc.* 94, 2080 (2011).
- 32) “Synthesis and characterization of ultralong $\text{La}_2\text{O}_3:\text{Eu}^{3+}$ photoluminescent nanowires” T. Xia, J. Wang, N. Lin, H. Zhao, L. Huo, G. Mountrichas, *RSC Adv.* 1, 440, (2011).
- 33) “Association of poly(4-hydroxystyrene)- block -poly(ethylene oxide) in aqueous solutions: Block copolymer nanoparticles with intermixed blocks” M. Štěpánek, J. Hajduová, K. Procházka, M. Šlouf, J. Nebesářová, G. Mountrichas, C. Mantzaridis, S. Pispas, *Langmuir* 28, 307 (2012).
- 34) “Polyplexes based on cationic polymers with strong nucleic acid binding properties” A. K. Varkouhi, G. Mountrichas, R. M. Schiffelers, T. Lammers, G. Storm, S. Pispas, W.E. Hennink, *Eur. J. Pharm. Sci.* 45, 459 (2012).
- 35) “Synthesis and multiscale evaluation of LiNbO_3 - Containing silicate glass-ceramics with efficient isotropic SHG response” H. Vigouroux, E. Fargin, S. Gomez, B. Le Garrec, G. Mountrichas, E. Kamitsos, F. Adamietz, M. Dussauze, V. Rodriguez, *Adv. Funct. Mat.* 22, 3985 (2012).
- 36) “Polyelectrolyte-surfactant complexes of poly[3,5-bis(dimethylaminomethyl)- 4-hydroxystyrene]- block -poly(ethylene oxide) and sodium dodecyl sulfate: Anomalous self-assembly behavior” J. Hajduová, K. Procházka, M. Šlouf, B. Angelov, G. Mountrichas, S. Pispas, M. Štěpánek, *Langmuir* 29, 5443 (2013).

- 37) "Quaternized poly[3,5-bis(dimethylaminomethylene)hydroxystyrene]/DNA complexes: Structure formation as a function of solution ionic strength" F. Delisavva, G. Mountrichas, S. Pispas, *J. Phys. Chem. B* 117, 7790 (2013).
- 38) "Calcium carbonate microparticle templates using a PHOS-b-PMAA double hydrophilic copolymer" M. Mihai, G. Mountrichas, S. Pispas, I. Stoica, M. Aflori, M. Auf Der Landwehr, I. Neda, S. Schwarz, *J. Appl. Cryst.* 46, 1455 (2013).

D. PAPERS IN PROCEEDINGS OF INTERNATIONAL CONFERENCES

- 1) "Stable aqueous dispersions of C₆₀ fullerene by the use of a block copolymer", G. Mountrichas, S. Pispas, E. I. Kamitsos, E. Xenogiannopoulou and S. Couris, *J. of Phys.: Conf. Series* 10, 163 (2005).
- 2) "Polymer based photonic sensors for physicochemical monitoring", N. Madamopoulos, S. Pispas, L. Athanesakos, A. Tsigara, G. Mountrichas, K. Gatsouli, N. A. Vainos and K. Kibasi, *Proc. of SPIE* 5993, 599308 (2006).
- 3) "Light scattering study of well-defined flexible polyelectrolytes with two cationic sites per monomeric unit", M. Osa, G. Mountrichas, K. Hong, S. Pispas, P. F. Britt and J. W. Mays, *Polym. Mat.: Sci. & Eng.* 97, 930 (2007).

E. REVIEW ARTICLES

- 1) "Methodologies for the chemical functionalization of carbon nanohorns", G. Mountrichas, G. Pagona, G. Rotas, N. Karousis, S. Pispas and N. Tagmatarchis, *J. Nanostruct. Polym. and Nanocomp.* 4, 28 (2007).
- 2) "Properties, applications and functionalization of carbon nanohorns", G. Pagona, G. Mountrichas, G. Rotas, N. Karousis, S. Pispas and N. Tagmatarchis, *Int. J. of Nanotech.* 6, 176 (2009).
- 3) "Amphiphilic block copolymers by a combination of anionic polymerization and selective post-polymerization functionalization", E. Kaditi, G. Mountrichas, S. Pispas, *Eur. Polym.*

J. 44, 415 (2011)

- 4) "Block copolymers for Drug Delivery nano Systems (DDnSs)", E. Kaditi, G. Mountrichas, S. Pispas, C. Demetzos, *Curr. Med. Chem.* 19, 5088 (2012).

F. ANNOUNCEMENTS IN CONFERENCES

(The presenter is denoted by the asterisk)

- 1) HUSC Conference "Colloids and Polymeric Assemblies near to and far from equilibrium" (Crete, June 2004)
K. Gatsouli, G. Mountrichas, S. Pispas*, "Non-Equilibrium Block Copolymer Based Aggregates as Intermediates to Organic-Inorganic Hybrid Materials", poster
- 2) Laser Olympics 2004 (Athens, Greece, October 2004)
N. Madamopoulos*, A. Tsigara, G. Mountrichas, G. Manasis, J. Giahos, A. Nichellati, G. Mousdis, S. Pispas, N. A. Vainos, "Photonic Humidity Sensor Using Nanocomposite Materials", poster.
- 3) 2nd conference on Microelectronics Microsystems and Nanotechnology, (Athens, November 2004)
G. Mountrichas*, S. Pispas, "Poly(hydroxystyrene-b-methacrylic acid) Double Hydrophilic Block Copolymers: Synthesis and pH Sensitive Self-Organization in Solution.", poster
- 4) 2nd conference on Microelectronics Microsystems and Nanotechnology, (Athens, November 2004)
G. Mountrichas*, S. Pispas, E. I. Kamitsos, E. Xenogiannopoulou, S. Couris, "Stable Aqueous Dispersions of C60 Fullerene by the Use of a Block Copolymer", poster
- 5) E-MRS Fall Meeting, Symposium A (Warsaw, Poland, November 2004)
P. Aloukos, E. Xenogiannopoulou, S. Couris, * G. Mountrichas, S. Pispas, N. Vainos, "Nonlinear Optical Properties of Stable Aqueous Dispersions of C60 by the Use of a Block Copolymer", poster
- 6) The 2nd International Conference on Nanomaterials and Nanotechnologies (Crete June 2005)
G. Mountrichas, S. Pispas*, E. I. Kamitsos, "Nanoscale pH Responsive Block Copolymer

Micelles with Potential Use in Water Purification Methodologies”, poster

- 7) Conference on Lasers and Electro-optics, CLEO/Europe (Munich, Germany, June 2005)
A. Tsigara*, G. Mountrichas, G. Mousdis, S. Pispas, N. Madamopoulos, N. Vainos,
“Photonic Humidity Integrated Sensor Based on Hybrid Polymer/Cobalt Chloride
Systems”, poster.
- 8) Conference on Lasers and Electro-optics, CLEO/Europe (Munich, Germany, June 2005)
A. Tsigara*, G. Mountrichas, G. Mousdis, S. Pispas, N. Madamopoulos, N. Vainos,
“Photonic Humidity Integrated Sensor Based on Hybrid Polymer/Cobalt Chloride
Systems”, poster.
- 9) OpticsEast “Sensors and Photonics for Applications in Industry, Life Science and
Communications” (Boston, USA, October 2005)
N. Madamopoulos,* S. Pispas, L. Athanesakos, A. Tsigara, G. Mountrichas, K. Gatsouli,
N. A. Vainos, K. Kibasi, “Polymer Based Photonic Sensors for Physicochemical
Monitoring”, oral
- 10) 45th Microsymposium “Structure and dynamics of self-organized macromolecular
systems” (Prague, Czech Republic, July 2006)
G. Mountrichas, S. Pispas*, “Novel Double Hydrophilic Block Copolymers via Anionic
Polymerization: Self-Assembly and Complexes with Biomacromolecules”, oral
- 11) International Conference on Synthetic Metal (Dublin, July 2006)
G. Mountrichas,* N. Tagmatarchis, S. Pispas, “Intramolecular Electronic Interactions On
Soluble Carbon Nanotubes/Semiconductor Nanoparticles Ensembles”, poster.
- 12) *3rd Workshop on Nanoscience and Nanotechnologies (Thessaloniki, July 2006)
G. Mountrichas,* N. Tagmatarchis, S. Pispas, “Polymer Decorated Carbon Nanotubes
Templating the Growth of CdS Nanoparticles: Towards Intramolecular Charge Transfer
Processes”, poster. (Young Scientist Poster Award)
- 13) 9th European Symposium on Thermal Analysis and Calorimetry (Poland, August 2006)
C. Vasilaki, G. Mountrichas, C. Matsingou, S. Pispas, C. Demetzos*, “Design and
Develop of Steritically Stabilized Liposomes Based on Polymer Interactions with DPPC
Membrane Bilayers. A DSC Study”, poster
- 14) 6th International Symposium on Polyelectrolytes (Dresden, September 2006)

- G. Mountrichas,* S. Pispas, N. Tagmatarchis, “Solubilization of Carbon Nanotubes in Water Using Amphiphilic Block Polyelectrolytes”, poster.
- 15) 6th Panhellenic Conference on Polymers (Patra, November 2006)
G. Mountrichas,* S. Pispas, “Synthesis of pH Responsive Double Hydrophilic Block Copolymers”, poster.
- 16) 6th Panhellenic Conference on Polymers (Patra, November 2006)
C. Mantzaridis,* G. Mountrichas, S. Pispas “Novel High Charge Cationic Polyelectrolytes and their Complexes with Oppositely Charged Surfactants”, poster.
- 17) 6th Panhellenic Conference on Polymers (Patra, November 2006)
E. Ioannou,* G. Mountrichas, S. Pispas, E. I. Kamitsos, P. Papadopoulos, G. Floudas, “Structure and Dynamics of Lithium Naturalized Ionic Block Copolymers”, poster.
- 18) 9th Greece-Cyprus Conference in Chemistry (Larnaka, April 2007)
G. Mountrichas,* S. Pispas, N. Tagmatarchis, “Polymer and Carbon Nanostructures: Advanced Hybrid Materials Toward Nanotechnological Applications”, oral.
- 19) 2nd Hellenic Symposium on Organic Synthesis, (Athens, April 2007)
G. Mountrichas,* S. Pispas, N. Tagmatarchis, “Hybrid Materials Based on Polymers and Carbon Nanostructures”, poster.
- 20) NanoSmat2007, International Conference on Surface, Coatings and Nanostructured Materials (Algarve, Portugal, July 2007)
G. Mountrichas,* N. Tagmatarchis, S. Pispas, “Functionalization of Carbon Nanohorns with Polyethylene Oxide”, poster.
- 21) EPF 2007, European Polymer Congress (Portoroz, Slovenia, July, 2007)
M. Uchman,* M. Stepanek, K. Prochazka, M. Spirkova, M. Urbanova, G. Mountrichas, S. Pispas, "Self-assembly of Multifunctional Block Polyelectrolytes in Aqueous Solutions", poster.
- 22) NN07, 4th Workshop on Nanosciences and Nanotechnologies (Thessaloniki, Greece, July, 2007)
G. Mountrichas,* S. Pispas, N. Tagmatarchis, “Synthesis and Applications of Polymer Functionalized Carbon Nanostructures”, oral.

- 23) 234th ACS National Meeting, Polymeric Materials Science & Engineering Division, (Boston, USA, August, 2007)
M. Osa,* G. Mountrichas, K. Hong, S. Pispas, P.F. Britt, J.W. Mays, “Light Scattering Study of Well-Defined Flexible Polyelectrolytes with Two Cationic Sites per Monomeric Unit”, poster.
- 24) ICSAM 2007, International Conference on Structural Analysis of Advanced materials (Patra, September 2007)
G. Mountrichas,* N. Tagmatarchis, S. Pispas, “Advanced Hybrid Materials of Carbon Nanostructures and Polymers”, oral.
- 25) XXIII Hellenic Conference on Solid State Physics and Materials Science (Athens, Greece, September, 2007)
G. Mountrichas,* S. Pispas, N. Tagmatarchis, “Polymer Based Hybrid Materials: Synthesis and Applications of Materials Containing Carbon Nanostructures”, poster.
- 26) XXIII Hellenic Conference on Solid State Physics and Materials Science (Athens, Greece, September, 2007)
A. Pamvouxoglou,* E. Van Ruymbeke, G. Petekidis, D. Vlassopoulos, G. Mountrichas, S. Pispas, “Viscoelastic Response of Micelles with Chemically Cross-Linked Cores”, oral.
- 27) ISPAC 2007, 20th International Symposium on Polymer Analysis and Characterization (Crete, Greece, September, 2007)
G. Mountrichas,* S. Pispas, N. Tagmatarchis, “Solubilization of Carbon Nanostructures in Organic and Aqueous Media by Decoration with Polymers”, poster.
- 28) ISPAC 2007, 20th International Symposium on Polymer Analysis and Characterization (Agios Nikolaos, Crete, Greece, September, 2007)
G. Mountrichas,* S. Pispas, “Solution Properties of Novel Double Hydrophilic Block Copolymers Based on poly(p-hydroxystyrene) Derivatives and poly(ethylene oxide)”, poster.
- 29) International Symposium on Nanomedicine (Chalkidiki, Greece, September, 2007)
T. S. Levchenko, G. Mountrichas, V. P. Torchilin, S. Pispas*, “Poly(isoprene-b-ethylene oxide) Block Copolymer Micelles as Nanocarriers for Poorly Water Soluble Drugs”, poster.

- 30) ECIS 2007, 21st Conference of the European Colloid and Interface Society (Geneva, Switzerland, September, 2007)
M. Uchman,* M. Stepanek, K. Prochazka, M. Spirkova, M. Urbanova, G. Mountrichas, S. Pispas, “Novel Multifunction Block Polyelectrolytes in Aqueous Solutions and on Surface”, poster.
- 31) The Society of Rheology 79th Annual Meeting (Salt Lake City, USA, October, 2007)
E. Van Ruymbeke,* A. Pamvouksoglou, D. Vlassopoulos, G. Petekidis, G. Mountrichas, S. Pispas, “Rheological Properties of Stable Responsive Block Copolymer Micelles”, oral.
- 32) Micro & Nano 2007, 3rd International Conference on Microelectronics, Microsystems and Nanotechnology (Athens, Greece, November, 2007)
G. Mountrichas,* N. Tagmatarchis, S. Pispas, “Covalent and Non-Covalent Functionalization of Carbon Nanotubes and Carbon Nanohorns with Polymers”, poster.
- 33) 3rd Hellenic Conference on Thermal Analysis (Athens, Greece, December, 2007)
G. Mountrichas, N. Tagmatarchis, S. Pispas*, “Thermogravimetric Analysis for the Characterization of Hybrid Materials Based on Polymers and Carbon Nanostructures”, poster.
- 34) 3rd Hellenic Conference on Thermal Analysis (Athens, Greece, December, 2007)
G. Mountrichas, M. Talelli, G. D. Chryssikos, V. Gionis, C. Eforakopoulou, S. Pispas*, “Qualitative and Quantitative Analysis of Aramide Fibers Using Thermal Analysis and Vibrational Spectroscopy”, poster.
- 35) *PPC10, Pacific Polymer Conference (Kobe, Japan, December, 2007)
M. Uchman,* K. Prochazka, G. Mountrichas, S. Pispas, “Multifunctional Polyelectrolyte Triblock Copolymers in Aqueous Solution and CdS Quantum Dots Templated on Copolymer Nanoparticles”, poster. (Young Scientist Poster Award)
- 36) First International Conference on Multifunctional, Hybrid and Nanomaterials (Tours, France, March 2009)
G. Mountrichas*, N. Tagmatarchis, S. Pispas, “Covalent and Non-Covalent Functionalization of Carbon Nanohorns with Polymers”, oral.
- 37) ESOE 2010, Euroscience Open Forum 2010 (Torino, Italy, July, 2010)
G. Mountrichas,* “Amorphous Materials with Non-Linear Optical Properties”, poster.

38) BBBB International conf. (Athens, Greece, September, 2013)

G. Mountrichas, A. Kolokithas-Ntoukas, A. Bakandritsos, S. Pispas, “Complexation of Magnetic Nanoparticles with a Pegylated High Charge Density Block Polyelectrolyte”, poster.