

CURRICULUM VITAE

PERSONAL DATA

Name: Georgia Pagona
Date of Birth: November 3, 1977
Place of Birth: Athens, Greece
Marital Status: Single
Nationality: Greek
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EDUCATION

Sept. 1997 – March 2002 B.Sc. Department of Chemistry, University of Crete, Greece
Oct 2002 – May 2005 M.Sc. Department of Chemistry, University of Crete, Greece.
June 2005 – Present PhD Thesis National Hellenic Research Foundation, Theoretical
and Physical Chemistry Institute / Department of Chemistry,
University of Crete, Greece

SCHOLARSHIPS – FELLOWSHIPS

1/03/2004 – 1/06/2004 Erasmus *Personal* Scholarship

AWARDS - DISTINCTIONS

- The article “Cone-end Functionalization of Carbon Nanohorns”, *Chem. Mater.* **2006**, 18, 3918, was **highlighted** in *MRS Bulletin*, Vol. 31, pp.718, **2006**
- The article “Cone-end Functionalization of Carbon Nanohorns”, *Chem. Mater.* **2006**, 18, 3918, was **highlighted** in at the *Research and Innovation Bulletin*, published by the *Greek General Secretariat for Research and Technology*, Issue 58, pp. 8 **2007**.
- Invited Visiting Researcher at the “Specific Adsorption onto Carbon Nanotubes-Application of CNTs to Hydrogen Storage and Biotechnology -Project” of the SORST Program organized by Japan Science and Technology Agency (JST). Funding by JST. NEC Corporation, Tsukuba, Japan, Sept.- Oct. **2007**

COVER GALLERY AND NEWS

- *Adv. Funct. Mater.*, **2007**, 17, 1705 (Publication # 11) is featured on the cover of issue 10 of *Advanced Functional Materials*, **2007**.

LANGUAGES

- *Greek*
- *English*

ACADEMIC & PROFESSIONAL ACTIVITIES

Sep 2003 – May 2004 Laboratory Assistant to chemistry students, in Inorganic Chemistry Labs.

Sep 2005 – May 2005 Professor Assistant to chemistry students, in Organic Chemistry.

PRESENTATIONS AT INTERNATIONAL CONFERENCES

1. **G. Pagona**, N. Tagmatarchis, M. Yudasaka, S. Iijima, “Functionalization of Carbon Nanohorns”, *ChemOnTubes*, Arcachon, France, **2006**
2. **G. Pagona**, N. Tagmatarchis, M. Yudasaka, S. Iijima, “Carbon Nanohorn-based Donor-Acceptor Nanoensembles for Managing Charge-Transfer Interactions”, *ICSM-2006 (International Conference on Science and Technology of Synthetic Metals)*, Dublin, Ireland, **2006**
3. **G. Pagona**, N. Tagmatarchis, “Photo-induced Electron-transfer Reactions on Water-soluble Carbon Nanohorn—Pyrene—Tetrathiafulvalene Nanoensembles”, 3rd Workshop on *Nanosciences and Nanotechnologies (NN06)*, Thessaloniki, Greece, **2006**
4. **G. Pagona**, N. Tagmatarchis, M. Yudasaka, S. Iijima, “Soluble Carbon Nanohorns in Donor-Acceptor Nanoensembles for Managing Efficient Charge-Transfer Processes”, 17th *European Conference on Diamond, Diamond-Like Materials, Carbon Nanotubes and Nitrides*, Estoril, Portugal, **2006**
5. **G. Pagona**, N. Tagmatarchis, “Chemical Functionalization of Carbon Nanohorns”, 2nd *Organic Chemistry Workshop*, Athens, Greece, **2007**
6. **G. Pagona**, N. Tagmatarchis, “Methodologies for the Functionalization of Carbon Nanohorns”, 9th *Greece-Cyprus Chemistry Conference*, Larnaka, Cyprus, **2007**
7. **G. Pagona**, G. Charalambidis, A. G. Coutsolelos, N. Tagmatarchis, “Electronically Interplaying Carbon Nanohorns—Porphyrin Nanoensembles”, 7th *International Conference on Optical Probes of π -Conjugated Polymers and Functional Self-Assemblies*, Turku, Finland, **2007**
8. C. Ewels, H. El Cheikh, I. Suarez-Martinez, D. Arcon, N. Tagmatarchis, G. van Lier, M. Pregelj, P. Cevc, G. Rotas, **G. Pagona**, P. Geerlings, “Oxidation and Reactivity of Heterofullerenes”, *NanoteC’07 – Nanotechnology in Carbon and Related Materials*, Brighton, England, **2007**
9. **G. Pagona**, G. Charalambidis, A. G. Coutsolelos, N. Tagmatarchis, “Carbon Nanohorns—Porphyrins Charge-Transfer Systems for Photovoltaic Applications” 4th Workshop on *Nanosciences and Nanotechnologies (NN07)*, Thessaloniki, Greece, **2007**
10. **G. Pagona**, S. Sotiropoulou, C. A. Batt, A. Maigne, M. Yudasaka, S. Iijima, O. Ito, N. Tagmatarchis, “Carbon Nanohorn — Ferrocene Hybrids: Synthesis, Characterization and Photoelectron Properties for Applications in Energy Conversion Schemes”, *2007 MRS Fall Meeting*, Boston, USA, **2007**

LIST OF PUBLICATIONS

2004-2005

1. K. Hatzellis, **G. Pagona**, A. Spyros, C. Demetzos, H. E. Katerinopoulos, “Correction of the Structure of a New Sesquiterpene from *Cistus creticus* ssp. *creticus*”, *J. Nat. Prod.*, **2004**, *67*, 1996.
2. H. E. Katerinopoulos, **G. Pagona**, N. Stratigakis, A. Afratis, N. Roditakis, “Composition and Insect Attracting Activity of the Essential Oil of *Rosmarinus Officinalis*”, *J. Chem. Ecol.*, **2005**, *31*, 111.

2006

3. A. Schulze, **G. Pagona**, A. Giannis, “Oxone/Sodium Chloride: A Simple and Efficient Catalytic System for the Oxidation of Alcohols to Symmetric Esters and Ketones” *Synth. Commun.*, **2006**, *36*, 1147.
4. **G. Pagona**, N. Tagmatarchis, “Carbon Nanotubes: Materials for Medicinal Chemistry and Biotechnological Applications”, *Curr. Med. Chem.* **2006**, *13*, 1789.
5. **G. Pagona**, N. Tagmatarchis, J. Fan, M. Yudasaka, S. Iijima, “Cone-end Functionalization of Carbon Nanohorns”, *Chem. Mater.* **2006**, *18*, 3918.
6. I. D. Petsalakis, **G. Pagona**, G. Theodorakopoulos, N. Tagmatarchis, M. Yudasaka, S. Iijima, “Unbalanced Strain-directed Functionalization of Carbon Nanohorns: A Theoretical Investigation Based on Complementary Methods”, *Chem. Phys. Lett.* **2006**, *429*, 194.
7. **G. Pagona**, A. S. D. Sandanayaka, Y. Araki, J. Fan, N. Tagmatarchis, M. Yudasaka, S. Iijima, O. Ito, “Electronic Interplay in Illuminated Aqueous Carbon Nanohorn—Porphyrin Ensembles”, *J. Phys. Chem. B* **2006**, *110*, 20729.

2007

8. **G. Pagona**, G. Rotas, I. D. Petsalakis, G. Theodorakopoulos, A. Maigné, J. Fan, M. Yudasaka, S. Iijima, N. Tagmatarchis, “Soluble Functionalized Carbon Nanohorns”, *J. Nanosci. Nanotechn.* **2007**, *7*, 3468.
9. **G. Pagona**, J. Fan, A. Maignè, M. Yudasaka, S. Iijima, N. Tagmatarchis “Aqueous Carbon Nanohorn—Pyrene—Porphyrin Nanoensembles: Controlling Charge-Transfer Interactions”, *Diam. Relat. Mater.* **2007**, *16*, 1150.
10. H. Kuzmany, F. Hasi, W. Plank, Ch. Schaman, R. Pfeiffer, F. Simon, G. Rotas, **G. Pagona**, N. Tagmatarchis, “Raman Scattering from Nanomaterials Encapsulated into Single Wall Carbon Nanotubes”, *J. Raman Spectrosc.* **2007**, *38*, 704.
11. **G. Pagona**, A. S. D. Sandanayaka, Y. Araki, J. Fan, N. Tagmatarchis, G. Charalambidis, A. G. Coutsolelos, B. Boitrel, M. Yudasaka, S. Iijima, O. Ito, “Covalent association of Carbon Nanohorns with Porphyrin: Nanohybrid Formation and Photo-Induced Electron and Energy Transfer”, *Adv. Funct. Mater.* **2007**, *17*, 1705.
12. A. S. D. Sandanayaka, **G. Pagona**, N. Tagmatarchis, M. Yudasaka, S. Iijima, Y. Araki, O. Ito, “Photoinduced Electron Transfer Processes of Carbon Nanohorns with Covalently Linked Pyrene Chromophores: Charge-Separation and Electron-Migration Systems”, *J. Mater. Chem.*

2007, 17, 2540.

13. D. Arcon, M. Pregelj, P. Cevc, G. Rotas, **G. Pagona**, N. Tagmatarchis, C. Ewels, “Stability, Thermal Homolysis and Intermediate Phases of Solid Hydroazafullerene C₅₉HN”, *Chem. Commun.* **2007**, 3386.
14. **G. Pagona**, A. S. D. Sandanayaka, A. Maigné, J. Fan, G. C. Papavassiliou, I. D. Petsalakis, B. R. Steele, N. Tagmatarchis, M. Yudasaka, S. Iijima, O. Ito, “Electron-Transfer on Aqueous Photoactive Carbon Nanohorn—Pyrene—Tetrathiafulvalene Hybrids”, *Chem. Eur. J.* **2007**, 13, 7600.
15. W. Plank, H. Kuzmany, F. Simon, T. Saito, G. Rotas, **G. Pagona**, N. Tagmatarchis, “Fullerene Derivatives Encapsulated in Carbon Nanotubes”, *Phys. Status Sol. B.*, **2007**, 244, 4074.
16. I. D. Petsalakis, **G. Pagona**, N. Tagmatarchis, G. Theodorokapoulos, “Theoretical Study in Donor-Acceptor Carbon Nanohorn-based Hybrids”, *Chem. Phys. Lett.* **2007**, 448, 115.

2008

17. **G. Pagona**, N. Karousis, N. Tagmatarchis, “Aryl Diazonium functionalization of Carbon Nanohorns” *Carbon*, **2008**, 46, 604.
18. **G. Pagona**, G. Rotas, A. N. Khlobystov, T. W. Chamberlain, K. Porfyrakis, N. Tagmatarchis, “Azafullerenes Encapsulated within Single-Walled Carbon Nanotubes”, *J. Am. Chem. Soc.* **2008**, 130, 6062.
19. **G. Pagona**, G. Mountrichas, G. Rotas, N. Karousis, S. Pispas, N. Tagmatarchis, “Properties, Applications and Functionalization of Carbon Nanohorns”, *Int. J. Nanotechn.* **2008**, **In Press**
20. G. Mountrichas, **G. Pagona**, G. Rotas, N. Karousis, S. Pispas, N. Tagmatarchis, “Methodologies for the Chemical Functionalization of Carbon Nanohorns”, *J. Nanostruct. Polym. Nanocomp.*, 2008, **In Press**
21. C. Ehli, I. Kriegel, D. M. Guldi, G. Pagona, **N. Tagmatarchis**, “Carbon Nanohorn / Pyrene Nanoconjugates Revisited – Three Different Conjugates Three Different Photoproducts”, *Energy Environm. Sci.*, **2008**, **Submitted**.
22. G. Pagona, A. S. D. Sandanayaka, T. Hasobe, G. Charalambidis, A. G. Coutsolelos, M. Yudasaka, S. Iijima, **N. Tagmatarchis**, “Characterization and Photoelectrochemical Properties of Nanostructured Thin Film Composed of Carbon Nanohorns Covalently Functionalized with Porphyrins”, *J. Phys. Chem. C* **2008**, **Submitted**