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Date and Place of Birth: April 4, 1962, Larisa, Greece.

Marital status: Married, three children.

Citizenship: Greek

Education

1. Diploma in Chemical Engineering, School of Chem. Eng., National Technical University of Athens (1984).
2. Ph.D. Thesis, School of Chem. Eng., National Technical University of Athens (1992).

Career/Employment

1. Research Scientist, R&D Department, Argo SA, Greece (1988 - 1995)
2. Researcher C, Institute of Physical Chemistry, NCSR Demokritos, Greece (1995 - 1998)
3. Researcher B, Institute of Physical Chemistry, NCSR Demokritos, Greece (1998 - 2003)
4. Researcher A, Institute of Physical Chemistry, NCSR Demokritos, Greece (2003 - today)
5. Head of the Laboratory of Functional Nanomaterials of Organized Structure (2007 - today)

Current Research Interests

- Preparation and characterization of liposomes and their application as drug carriers
- Functionalization and characterization of dendrimers and hyperbranched polymers and their application as controlled release and targeted drug delivery systems
- Preparation, functionalization and characterization of carbon dots and their application as imaging agents of cancerous cells
- Development of hybrid organic/inorganic nanoparticles based on an environmentally friendly biomimetic processes employing dendritic polymers
- Development of nano-hydroxyapatite/biopolymer porous three-dimensional scaffolds of complex geometries for bone tissue engineering applications
- Superhydrophobic and oleophobic fluorinated silica nanoparticles and their application as surface coatings
- Synthesis and characterization of liquid crystals and liquid crystal/nanoparticle composites

Bibliometric Indices

Publications in international peer reviewed journals:	128
Number of patents:	4 International; 6 National
Book chapters	2
Presentations (Oral and Poster)	112
Number of citations (December 2021, source Scopus)	4874 (total), 4471 (excluding self-citations).
h-index (December 2021, source Scopus):	37

Students and Post-doctoral fellows supervised

Two (2) post-doctoral fellows

Six (6) Ph.D. students

Six (6) M.Sc. students

Three (3) undergraduate students

Competitive Grants

Participation in 11 European and 12 Greek research projects

Editorial activities

- Editorial board member in *Pharmaceuticals* (ISSN 1424-8247)
- Guest Editor of a Special Issue of the journal *Pharmaceuticals* on “Nano Drug Carriers”
- A. G. Vanakaras, I. Lelidis, D. Tsiourvas, Guest Editors, special issue of the Proceedings of the 12th European Conference on Liquid Crystals (ECLC 2013), *Molecular Crystals and Liquid Crystals*, vol. 615 (2015).

Conferences organization

- Organizing committee member, “European Conference on Liquid Crystals 1999”, Hersonissos, Crete, Greece, 25-30 April 1999.
- Organizing committee member, COST D 27 Workshop on “Prebiotic Chemistry and Early Evolution”, Heraclion, Crete, Greece, Sept. 30 - Oct. 3, 2004.
- Organizing committee member, “European Conference on Liquid Crystals 2013”, Rhodos, Greece, 22-27 September 2013.
- Scientific committee member, 9th Convention of the Hellenic Society of Biomaterials, Athens, Greece, 7-8 November 2014.
- Organizing committee member, 35th Conference of the European Colloid and Interface Society, ECIS 2021, Athens, Greece, 5-10 September 2021.

E. Exploitation of research results

Participation in the establishment of DENDRIGEN SA, a spin-off company for the development of dendritic drug carriers and dendritic nanosponges for the production of ultrapure water.

Annex

A. Publications

128. A. Kaminari, E. Nikoli, A. Athanasopoulos, E. Sakellis, Z. Sideratou, D. Tsiourvas, Engineering mitochondriotropic carbon dots for targeting cancer cells, *Pharmaceuticals*, **14**, 932 (2021); doi:10.3390/ph14090932.
127. E. Chatzipetros, S. Damaskos, K. I. Tosios, P. Christopoulos, C. Donta, E.-M. Kalogirou, Z. Yfanti, D. Tsiourvas, A. Papavasiliou, K. Tsiklakis, The effect of nano-hydroxyapatite/chitosan scaffolds on rat calvarial defects for bone regeneration, *International Journal of Implant Dentistry*, **7**, 40 (2021); doi:10.1186/s40729-021-00327-w.
126. V. Stagni, A. Kaminari, Z. Sideratou, E. Sakellis, S. A. Vlahopoulos, D. Tsiourvas, Targeting breast cancer stem-like cells using chloroquine encapsulated by a triphenylphosphonium-functionalized hyperbranched polymer, *Int. J. Pharmaceutics*, **585**, 119465 (2020); doi:10.1016/j.ijpharm.2020.119465.
125. M. Lykogianni, E.-A. Papadopoulou, A. Sapalidis, D. Tsiourvas, Z. Sideratou, K. A. Aliferis, Metabolomics reveals differential mechanisms of toxicity of hyperbranched poly(ethyleneimine)-derived nanoparticles to the soil-borne fungus *Verticillium Dahliae* Kleb, *Pesticide Biochemistry and Physiology*, **165**, 104535 (2020); doi:j.pestbp.2020.02.001.
124. C. Kyrou, D. Tsiourvas, S. Kralj, I. Lelidis, Effect of superhydrophobic nanoplatelets on the phase behaviour of liquid crystals, *Journal of Molecular Liquids* **298**, 111984 (2020); doi:10.1016/j.molliq.2019.111984.
123. K. Eleftheriou, A. Kaminari, K. N. Panagiotaki, Z. Sideratou, M. Zachariadis, J. Anastassopoulou, D. Tsiourvas, A combination drug delivery system employing thermosensitive liposomes for enhanced cell penetration and improved in vitro efficacy, *Int. J. Pharmaceutics*, **574**, 118912 (2020); doi:10.1016/j.ijpharm.2019.118912.
122. E. Chatzipetros, Z. Yfanti, P. Christopoulos, C. Donta, S. Damaskos, E. Tsiambas, D. Tsiourvas, E.-M. Kalogirou, K. I. Tosios, K. Tsiklakis, Imaging of nano-hydroxyapatite/chitosan scaffolds using a cone beam computed tomography device on rat calvarial defects with histological verification, *Clinical Oral Investigations*, **24**, 437–446 (2020); doi:10.1007/s00784-019-02939-4.
121. E. Chatzipetros, P. Christopoulos, C. Donta, K. I. Tosios, E. Tsiambas, D. Tsiourvas, E.-M. Kalogirou, K. Tsiklakis, Application of nano-hydroxyapatite/chitosan scaffolds on rat calvarial critical-sized defects: A pilot study, *Med. Oral Patol. Oral Cir. Bucal*. **23**, e625–632 (2018); doi:10.4317/medoral.22455.
120. Z. Sideratou, M. Agathokleous, T. A. Theodossiou, D. Tsiourvas, Functionalized hyperbranched polyethylenimines as thermosensitive drug delivery nanocarriers with controlled transition temperatures, *Biomacromolecules*, **19**, 315-328 (2018).
119. D. Tsiourvas, A. Papavasiliou, E. G. Deze, S. K. Papageorgiou, F. K. Katsaros, G. E. Romanos, E. Poulakis, C. J. Philippopoulos, Q. Xin, P. Cool, A green route to copper loaded silica nanoparticles using hyperbranched poly(ethylene imine) as a biomimetic template: application in heterogeneous catalysis, *Catalysts*, **7**, 390 (2017); doi:10.3390/catal7120390.
118. K. N. Panagiotaki, Z. Sideratou, S. A. Vlahopoulos, M. Paravatou-Petsotas, M. Zachariadis, N. Khoury, V. Zoumpourlis, D. Tsiourvas, A triphenylphosphonium-functionalized mitochondriotropic nanocarrier for efficient co-delivery of doxorubicin and chloroquine and enhanced antineoplastic activity, *Pharmaceuticals*, **10**, 91 (2017); doi:10.3390/ph10040091.
117. C. M. Paleos, Z. Sideratou, D. Tsiourvas, Drug Delivery systems based on hydroxyethyl starch, *Bioconjugate Chem.*, **28**, 1611–1624 (2017).
116. L.-A. Tziveleka, E. Ioannou, D. Tsiourvas, P. Berillis, E. Foufa, V. Roussis, Collagen from the marine sponges *axinella cannabina* and *suberites carnosus*: isolation and morphological, biochemical, and

biophysical characterization, *Mar. Drugs*, **15**, 152 (2017); doi:10.3390/md15060152.

115. A. Papavasiliou, D. Tsiourvas, E. G. Deze, S. K. Papageorgiou, F. K. Katsaros, E. Poulakis, C. J. Philippopoulos, N. Boukos, Q. Xin, P. Cool, Hyperbranched polyethyleneimine towards the development of homogeneous and highly porous CuO–CeO₂–SiO₂ catalytic materials, *Chemical Engineering Journal*, **300**, 343–357(2016).

114. C. M. Paleos, D. Tsiourvas, Z. Sideratou, Triphenylphosphonium decorated liposomes and dendritic polymers: prospective second generation drug delivery systems for targeting mitochondria, *Mol. Pharmaceutics*, **13**, 2233–2241 (2016).

113. K. Eleftheriou, Z. Sideratou, A. Thanassoulas, A. Papakyriakou, D. Tsiourvas, Comparative experimental and computational study of monoalkyl chain phosphatidylcholine-containing thermoresponsive liposomes, *J. Phys. Chem. B*, **120**, 5417–5428 (2016).

112. D. Tsiourvas, A. Sapalidis, T. Papadopoulos, Hydroxyapatite/chitosan-based porous three-dimensional scaffolds with complex geometries, *Materials Today Communications* **7**, 59–66 (2016).

111. D. Tsiourvas, A. Tsetsekou, M.-I. Kammenou, N. Boukos, Biomimetic synthesis of ribbon-like hydroxyapatite employing poly(L-arginine), *Materials Science and Engineering C*, **58**, 1225–1231 (2016).

110. C. M. Paleos, Z. Sideratou, Th. A. Theodossiou, D. Tsiourvas, Carboxylated hydroxyethyl starch: a novel polysaccharide for the delivery of doxorubicin, *Chem. Biol. Drug Des.*, **85**, 653–658 (2015).

109. T. A. Theodossiou, Z. Sideratou, M. E. Katsarou, D. Tsiourvas, Mitochondrial delivery of doxorubicin by triphenylphosphonium-functionalized hyperbranched nanocarriers results in rapid and severe cytotoxicity, *Pharm. Res.*, **30**, 2832–2842 (2013).

108. C. M. Paleos, D. Tsiourvas, Z. Sideratou, A. Pantos, Formation of artificial multicompartement vesosome and dendrosome as prospected drug and gene delivery carriers, *J. Controlled Release*, **170**, 141–152 (2013).

107. D. Tsiourvas, A. Tsetsekou, A. Papavasiliou, M. Arkas, N. Boukos, A novel hybrid sol–gel method for the synthesis of highly porous silica employing hyperbranched poly(ethyleneimine) as a reactive template, *Microporous and Mesoporous Materials*, **175**, 59–66 (2013).

106. C. A. Charitidis, A. Skarmoutsou, A. Tsetsekou, D. Brasinika, D. Tsiourvas, Nanomechanical properties of hydroxyapatite (HAP) with DAB dendrimers (poly-propylene imine) coatings onto titanium surfaces, *Materials Science and Engineering B*, **178**, 391–399 (2013).

105. D. Tsiourvas, M. Arkas, Columnar and smectic self-assembly deriving from non ionic amphiphilic hyperbranched polyethylene imine polymers and induced by hydrogen bonding and segregation into polar and non polar parts, *Polymer*, **54**, 1114–1122 (2013).

104. D. Tsiourvas, Z. Sideratou, N. Sterioti, A. Papadopoulos, G. Nounesis, C. M. Paleos, Insulin complexes with PEGylated basic oligopeptides, *J. Colloid Interface Sci.*, **384** (2012) 61–72.

103. C. M. Paleos, D. Tsiourvas, Z. Sideratou, Preparation of multicompartement lipid-based systems based on vesicle interactions, *Langmuir*, **28**, 2337–2346, (2012); invited feature article,

102. T. A. Theodossiou, Z. Sideratou, D. Tsiourvas, C. M. Paleos, A novel mitotropic oligolysine nanocarrier: Targeted delivery of covalently bound D-luciferin to cell mitochondria, *Mitochondrion*, **11**, 982–986 (2011).

101. D. Tsiourvas, A. Tsetsekou, M.-I. Kammenou, N. Boukos, Controlling the formation of hydroxyapatite nanorods with dendrimers, *J. Am. Ceram. Soc.*, **94**, 2023–2029 (2011).

100. C. M. Paleos, D. Tsiourvas, Z. Sideratou, Interaction of Vesicles: Adhesion, fusion and multicompartement systems formation, *ChemBioChem*, **12**, 510–521 (2011).

99. E. Roussi, A. Tsetsekou, D. Tsiourvas, A. Karantonis, Novel hybrid organo-silicate corrosion resistant coatings based on hyperbranched polymers, *Surface & Coatings Technology*, **205**, 3235–3244 (2011).

98. D. Tsiourvas, A. Tsetsekou, M. Arkas, S. Diplas, E. Mastrogianni, Covalent attachment of a bioactive hyperbranched polymeric layer to titanium surface for the biomimetic growth of calcium phosphates, *J. Mater. Sci.: Mater. Med.*, **22**, 85–96 (2011).
97. C. M. Paleos, D. Tsiourvas, Z. Sideratou, L.-A. Tziveleka, Drug delivery using multifunctional dendrimers and hyperbranched polymers, *Expert Opin. Drug Deliv.*, **7**, 1387–1398 (2010).
96. Z. Sideratou, N. Sterioti, D. Tsiourvas, L.-A. Tziveleka, A. Thanassoulas, G. Nounesis, C. M. Paleos, Arginine end-functionalized poly(L-lysine) dendrigrafts for the stabilization and controlled release of insulin, *J. Colloid Interface Sci.*, **351**, 433–441 (2010).
95. M. Arkas, D. Tsiourvas, C. M. Paleos, Functional dendritic polymers for the development of hybrid materials for water purification, *Macromol. Mater. Eng.*, **295**, 883–898 (2010).
94. Z. Sideratou, D. Tsiourvas, Th. Theodossiou, M. Fardis, C. M. Paleos, Synthesis and characterization of multifunctional hyperbranched polyesters as prospective contrast agents for targeted MRI, *Bioorganic & Medicinal Chemistry Letters*, **20**, 4177–4181 (2010).
93. T. A. Theodossiou, D. Tsiourvas, J. S. Hothersall, Hypericin Hydroquinone: Potential as a Red-Far Red Photosensitizer?, *Photochem. Photobiol.*, **86**, 18–22 (2010).
92. Z. Sideratou, N. Sterioti, D. Tsiourvas and C. M. Paleos, Structural features of interacting complementary liposomes promoting the formation of multicompartiment structures, *ChemPhysChem*, **10**, 3083–3089 (2009).
91. M. Arkas, D. Tsiourvas, Organic/inorganic hybrid nanospheres based on hyperbranched poly(ethylene imine) encapsulated into silica for the sorption of toxic metal ions and polycyclic aromatic hydrocarbons from water, *J. Hazardous Mater.*, **170**, 35–42 (2009).
90. C. M. Paleos, L.-A. Tziveleka, Z. Sideratou, D. Tsiourvas, Gene delivery using functional dendritic polymers, *Expert Opin. Drug Delivery*, **6**, 27–38 (2009).
89. C. M. Paleos, D. Tsiourvas, Z. Sideratou, L. Tziveleka, Multifunctional dendritic drug delivery systems: design, synthesis, controlled and triggered release, *Current Topics in Medicinal Chemistry*, **8**, 1204–1224 (2008).
88. M. Vinceković, M. Bujan, I. Šmit; Lj. Tušek-Božić, D. Tsiourvas, M. Dutour Sikirić, Influence of dodecylammonium chloride on the properties of carrageenan gels, *J. Dispersion Sci. Techn.*, **29**, 966–974 (2008).
87. C. Kontoyianni, Z. Sideratou, T. Theodossiou, L.-A. Tziveleka, D. Tsiourvas, C. M. Paleos, A novel micellar PEGylated hyperbranched polyester as prospective drug delivery system for paclitaxel, *Macromolecular Bioscience*, **8**, 871–881 (2008).
86. M. C. Galanou, T. A. Theodossiou, D. Tsiourvas, Z. Sideratou, C. M. Paleos, Interactive transport, subcellular relocation and enhanced phototoxicity of hypericin encapsulated in guanidinylated liposomes via molecular recognition, *Photochemistry and Photobiology*, **84**, 1073–1083 (2008).
85. A. Tsetsekou, M. Arkas, A. Kritikaki, S. Simonetis, D. Tsiourvas, D. Optimization of hybrid hyperbranched polymer/ceramic filters for the efficient absorption of polyaromatic hydrocarbons from water, *Journal of Membrane Science*, **311**, 128–135 (2008).
84. L. A. Tziveleka, A.-M. G. Psarra, D. Tsiourvas, C. M. Paleos, Synthesis and evaluation of functional hyperbranched polyether polyols as prospected gene carriers, *Int. J. Pharm.*, **356**, 314–324 (2008).
83. L. A. Tziveleka, A.-M. G. Psarra, D. Tsiourvas, C. M. Paleos, synthesis and characterization of guanidinylated poly(propylene imine) dendrimers as gene transfection agents, *J. Controlled Release*, **117**, 137–146 (2007).
82. R. Allabashi, M. Arkas, G. Hörmann, D. Tsiourvas, Removal of some organic pollutants in water employing ceramic membranes impregnated with cross-linked silylated dendritic and cyclodextrin polymers, *Water Research*, **41**, 476–486 (2007).

81. I. Tsogas, Z. Sideratou, D. Tsiourvas, T. A. Theodossiou, C. M. Paleos, Interactive transport of guanidinylated poly(propylene imine) based dendrimers through liposomal and cellular membranes, *ChemBioChem*, **15**, 1865–1876 (2007).
80. C. M. Paleos, D. Tsiourvas, Z. Sideratou, Developing and applying a drug delivery model for liposomal and dendritic multifunctional nanoparticles, *Gene Therapy and Molecular Biology*, **11**, 117–131 (2007).
79. C. M. Paleos, D. Tsiourvas, Z. Sideratou, Molecular engineering of dendritic polymers and their application as drug and gene delivery systems, *Mol. Pharm.*, **4**, 169–188 (2007).
78. I. Tsogas, D. Tsiourvas, G. Nounesis and C. M. Paleos, Modeling cell membrane transport: interaction of guanidinylated poly(propylene imine) dendrimers with a liposomal membrane consisting of phosphate based lipids, *Langmuir*, **22**, 11322 (2006).
77. M. Arkas, R. Allabashi, D. Tsiourvas, E.-M. Mattausch, R. Perfler, Organic/inorganic hybrid filters based on dendritic and cyclodextrin nanosponges for the removal of organic pollutants from water, *Environ. Sci. Technol.*, **40**, 2771 (2006).
76. Z. Sideratou, L.-A. Tziveleka, C. Kontoyianni, D. Tsiourvas, C. M. Paleos, Design of functional dendritic polymers for application as drug and gene delivery systems, *Gene Therapy and Molecular Biology*, **10**, 71 (2006).
75. L. A. Tziveleka, C. Kontoyianni, Z. Sideratou, D. Tsiourvas and C. M. Paleos, Novel functional hyperbranched polyether polyols as prospected drug delivery systems, *Macromolecular Bioscience*, **6**, 161 (2006).
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73. A. Pantos, D. Tsiourvas, G. Nounesis, C. M. Paleos, Interaction of functional dendrimers with multilamellar liposomes: Design of a model system for studying drug delivery, *Langmuir*, **21**, 7483 (2005).
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68. I. Tsogas, D. Tsiourvas, C. M. Paleos, S. Giatrellis, G. Nounesis, Interaction of L-arginine with dihexadecylphosphate unilamellar liposomes: The effect of the lipid phase organization, *Chem. Phys. Lipids*, **134**, 59 (2005).
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66. T. Felekis, D. Tsiourvas, L. Tziveleka, C. M. Paleos, Hydrogen-bonded liquid crystals derived from supramolecular complexes of pyridylated poly(propylene imine) dendrimers and a cholesterol-based carboxylic acid, *Liq. Cryst.*, **32**, 39 (2005).
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62. D. Tsiourvas, T. Felekis, Z. Sideratou, C. M. Paleos, Ionic liquid crystals derived from the protonation of poly(propylene imine) dendrimers with a cholesterol based carboxylic acid, *Liq. Cryst.*, **31**, 739 (2004).
61. D. Haristoy, D. Tsiourvas, Effect of counterions on the thermotropic and thermochromic properties of ionic liquid crystals, *Liq. Cryst.*, **31**, 697 (2004).
60. A. Nikokavoura, D. Tsiourvas, M. Arkas, Z. Sideratou, C. M. Paleos, Liquid crystals derived from multi-cationic azamacrocyclic alkylsulphates, *Liq. Cryst.*, **31**, 207 (2004).
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58. D. Tsiourvas, C. M. Paleos, A. Skoulios, Effect of chirality on the structural behaviour of hydrogen-bonded *n*-alkylammonium pyrrolidates in the crystalline and smectic state, *Chem. Eur. J.*, **9**, 5250, (2003).
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56. D. Haristoy, D. Tsiourvas, Novel ionic liquid-crystalline compounds bearing oxadiazole and pyridinium moieties as prospective materials for optoelectronic applications, *Chem. Mater.*, **15**, 2079 (2003).
55. C. M. Paleos, D. Tsiourvas, Molecular recognition and hydrogen-bonded amphiphiles, *Topics in Current Chemistry, Colloid Chemistry II*, Ed. M. Antonietti, Springer, Berlin, vol. **227**, p. 1 (2003).
54. A. Nikokavoura, D. Tsiourvas, M. Arkas, Z. Sideratou, C. M. Paleos, Thermotropic liquid crystalline behaviour of piperazinium and homopiperazinium alkylsulphates, *Liq. Cryst.*, **29**, 1547 (2002).
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49. Z. Sideratou, D. Tsiourvas, C. M. Paleos, Solubilization and release properties of PEGylated diaminobutane poly(propylene imine) dendrimers, *J. Colloid Interface Sci.*, **242**, 272 (2001).
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B. Book chapters

1. C. M. Paleos and D. Tsiourvas, Non-Covalent Interactions of Liposomes, in "Bottom-up Nanofabrication: Supramolecules, Self-Assemblies and Organized Films", edited by Katsuhiko Ariga, and Hari Singh Nalwa, vol. 2, Chapter 9, pp. 245-262, American Scientific Publishers, 2009.
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C. Patents

International Patents

1. C. M. Paleos, D. Tsiourvas, Z. Sideratou, I. Tsogas, T. Theodossiou, Molecular dendritic transporters. International Application Number: PCT/GR2007/000038. Publication number: WO2008010000, Publication date: 24-1-2008.
2. C. M. Paleos, D. Tsiourvas, Z. Sideratou, Multifunctional Dendrimers and Hyperbranched Polymers as Drug and Gene Delivery Systems, International Application Filing No.: PCT/GR2004/000009, Publication number: WO2004072153, Publication date: 26-8-2004.
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D. Research projects

European Projects

11. “Antimicrobial Nano-Functionalization of Peptide-enriched Silk Fibroin matrices to prevent bone infections and to enhance implant osseointegration in orthopaedics and dentistry”-ANNAFIB (EuroNanoMed III-Joint Transnational Call-2018), Contract No: 00058. Total budget: 943,500 €. 01/03/2019-28/02/2022.
10. “Synthesis of advanced top nanocoatings with improved aerodynamic and de-icing behavior” – SANAD (FP7-PEOPLE-2012-IAPP), Contract No: 324443. NCSR budget: 522,156 €. 1/1/2013 – 31/12/2016.
9. “Development of NEXT GENERATION cost efficient automotive CATalysts” – NEXT-GEN-CAT (FP7-NMP-2011-SMALL-5), Contract No: 280890. NCSR budget: 629,899 €. 1/2/2012 – 31/1/2016.
8. “Nanoscale Functionalities for Targeted Delivery of Biopharmaceutics” – NANOBIPHARMACEUTICS, ‘NMP’ INTEGRATED PROJECT, Contract No NMP4-CT-2006-026723. NCSR budget: 538 K€. 1/10/2006 – 30/9/2010.
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Selected National Projects

1. “Development of hybrid nanostructured bioimplants” – BIOMINY, Action «Cooperation», EPAN-II: 09SYN-41-757. Budget: 29,150 €. 17/02/2011-17/02/2014.
2. “Development of ceramic based nanostructured composites with nanoparticle inclusions” – NAMCO, PRAXIS «THALIS» 380143, NCSR budget: 70,000 €. 1/02/2012-1/02/2016;

E. Exploitation of research results

Participation in the establishment of DENDRIGEN SA, a spin-off company for the development of dendritic drug carriers and dendritic nanosponges for the production of ultrapure water. The initiative was originally funded by the GSRT PRAXE 01 23 program entitled “Development and production of functional dendrimeric and hyperbranched polymers with applications in the pharmaceuticals technology and in the production of ultrapure water”, Budget: 44,000 €, 2002-2004. Following the establishment of the spin-off company in 2005, further funding was obtained from the Greek Ministry of Development (PRAXE B program, Budget 836,381 €, 2006-2009).