

CURRICULUM VITAE

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Citizenship Greek
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Education

- 1987-1992: B.Sc. in Chemistry. Dept. of Chemistry, University of Patras, Greece
- 1993-1997: PhD in Chemical Engineering. Department of Chemical Engineering, University of Patras, Greece

Professional Experience

- 2014- : Associate Professor. Department of Materials Science, University of Patras, Greece
- 2011- 2014: Assistant Professor. Department of Materials Science, University of Patras, Greece
- 2007- 2011: Assistant Professor (fixed term). Department of Materials Science, University of Patras, Greece
- 2002- 2007: Lecturer (fixed term). Department of Materials Science, University of Patras, Greece
- 2001-2002 : Adjunct Lecturer. Department of Pharmacy, University of Patras, Greece
- 2000-2001: Research Associate. Center for Craniofacial Molecular. Biology, School of Dentistry, University of Southern California, Los Angeles, USA
- 1999-2000: Postdoctoral Student: Weizmann Institute of Science. Department of Structural Biology, Israel.

Research Interests

1. Allograph materials as bone substitutes: a)Synthesis, characterization and properties of calcium phosphate bone cements and calcium phosphate ceramics. b) Synthesis, structural, textural properties and bioactivity of bioactive glasses.
2. Biological mineralization: a)Pathological calcification (e.g urinary stones, encrustations of urinary biomaterials, meniscal calcification) b)Non pathological calcification (e.g dental enamel formation).
3. Crystal growth and dissolution of sparingly soluble salts (e.g. calcium oxalate, calcium phosphate, calcium carbonate).
4. Molecular and Nanostructured materials. Solubilization and physicochemical properties of carbon nanotubes and fullerenes by using biological molecules
5. Controlled drug delivery systems based on biopolymers.
6. Development, structural and optical characterization of semiconductive Zinc Oxide nanostructures and magnetic or magnetic hybrid nanoparticles with potential use on biomedical applications.

Professional Affiliations

- 1993-: Member of the Hellenic Society of Chemists.
- 2004-: Member of the Hellenic Society of Biomaterials (Founding Member)
- 2005- : Member of Hellenic Research Club for Connective Tissue and Matrix Biology

Prizes/Honors

- 2008-: Staff Visiting Member: Foundation for Research and Technology, Hellas. Institute of Chemical Engineering and High Temperature Chemical Processes.

- 'New Investigator Award', 7th International Conference on the Chemistry and Biology of Mineralized Tissues, November 4-9, 2001 Jacksonville, USA
- 1999-2000: Postdoctoral Fellowship from "The Feinberg Graduate School", Weizmann Institute of Science, Israel.
- 1/3/96 -1/6/96: Erasmus postgraduate student fellowship, Universita di Roma La Sapienza.
- 1993-1997: PhD fellowship: Institute of Chemical Engineering and High Temperature Chemical Processes

Editor in Chief

- "Advanced Chemistry Letters" <http://www.aspbs.com/acl/>

Guest Editor

- "Science of Advanced Materials" A Special Issue on "Advanced Materials for Technological and Biomedical Applications" Guest Editors: Dr. N. Bouropoulos, Dr. S. Baskoutas, (Volume 2, Number 2, June 2010)

Editorial Board Member

- Sensor Letters
- New Journal of Glass and Ceramics
- Journal of Nanoengineering and Nanomanufacturing
- Materials Focus

Author or co-author of Undergraduate Courses Notes and Laboratory Notes (in Greek)

- N. Bouropoulos, O. Pavlou. "Notes on Materials Science IV (Biogenic Materials and Biomaterials)
- N. Bouropoulos, O. Pavlou, A. Papalois. "Notes on Advanced Biomaterials
- N. Bouropoulos, Topoglides "Notes on Advanced Biomaterials
- N. Bouropoulos, "Biomaterials Notes"
- N. Bouropoulos, "Biomaterials Laboratory Guide" (Seven Laboratory Exercises)
- N. Bouropoulos "Chemistry Laboratory Guide" (Twelve Laboratory Exercises)

Teaching activities in the Department of Materials Science

Undergraduate courses:

- Materials Science IV (Introduction in Biomaterials): 2002-2003, 2003-2004, 2004-2005, 2005-2006, 2006-2007, 2007-2008, 2008-2009, 2009-2010, 2010-2011, 2011-2012, 2012-2013, 2013-2014, 2014-2015
- Laboratory of Materials Science IV (Biomaterials Laboratory): 2002-2003, 2003-2004, 2004-2005, 2005-2006, 2006-2007, 2007-2008, 2008-2009, 2009-2010, 2010-2011, 2011-2012, 2012-2013, 2013-2014, 2014-2015
- Chemistry III (Instrumental Method of Analysis): 2002-2003, 2003-2004, 2004-2005, 2006-2007
- Advanced Biomaterials: 2003-2004, 2004-2005, 2005-2006, 2006-2007, 2007-2008, 2008-2009, 2009-2010, 2010-2011, 2011-2012, 2013-2014, 2014-2015

Postgraduate courses:

- Biomolecular Materials I: 2004-2005, 2005-2006, 2006-2007, 2007-2008, 2008-2009, 2009-2010, 2010-2011, 2011-2012, 2013-2014, 2014-2015
- Biomolecular Materials II: 2004-2005, 2005-2006, 2006-2007, 2007-2008, 2008-2009, 2009-2010, 2010-2011, 2011-2012, 2012-2013, 2013-2014, 2014-2015

Administrative Duties in the Department of Materials Science:

- Member: General Assembly of the Department
- Member: Faculty Committee on Academic Enrichment
- Coordinator: Health and Safety Committee
- Coordinator: Erasmus/Socrates program for student's mobility

Advisor

Undergraduate Students: More than 60

Postgraduate Students: MSc 6 and PhD students 3

Research Projects

As Principal Investigator:

1. *"New methodologies on development of bioactive glasses: Synthesis, structure, properties, applications"*. "Pythagoras II 2005-2007". Funded by the Greek Ministry of Education.
2. *"Studies on mucus degeneration of human menisci. Relationship between dynamic properties and structural lesions"*. Project K. Karatheodoris 2007-2010. Funded by University of Patras Research Committee.

As Group Leader:

1. *"Synthesis and characterization of new nanostructured geopolymers and calcium phosphate based bioceramics and implants"* Project Thales No. 945) 2012-2015
2. *"Development of multi-functional magnetic nanoparticles for targeted delivery of anticancer drugs"* Project Thales No. 288) 2012-2015

As Group Member:

"Feasibility studies on novel nanostructures of ZnO and their applications in nanophotonics and energy conversion: Experimental and theoretical approach" Project Thales No. 1385) 2012-2015

Reviewer in International Journals

- Acta Biomaterialia
- Journal of Biomaterials Science: Polymer Edition
- Journal of Materials Chemistry
- Journal of Biomedical Nanotechnology
- Journal of the American Ceramic Society
- Journal of Colloid and Interface Science
- Crystal Growth and Design
- Applied Surface Science
- Carbohydrate Research
- European Polymer Journal
- Advanced Composites Letters
- Materials Chemistry and Physics
- Journal of Nanostructured Polymers and Nanocomposites
- Journal of Non-Crystalline Solids
- Photonics and Nanostructures
- Sensors and Actuators B
- Crystal Growth and Design
- Colloids and Surfaces A
- Colloids and Surfaces B
- Pharmaceutical Research
- International Journal of Pharmaceutics
- Journal of Pharmacy and Pharmacology
- Drug Development and Industrial Pharmacy
- Journal of Microencapsulation
- Critical Reviews in Biotechnology
- PloS ONE
- Bioinorganic Chemistry and Applications
- Carbohydrate Polymers
- Solid State Sciences
- Modern Physics Letters B
- Sensors Letters
- Powder Technology
- Crystal Research and Technology
- Ceramics International
- Macromolecular Materials and Engineering
- Nanoscale Research Letters
- Drug Delivery Letters

PUBLICATIONS IN PEERED REVIEWED JOURNALS

1. C. Kontoyannis, N. Bouropoulos, P. Koutsoukos 'Quantitative Analysis of Impurities in ϵ -caprolactam by Raman Spectroscopy' *The Analyst*, 120 (1995)347
2. E. Dalas, D. Tsamouras, N. Bouropoulos 'Primary Solid State Batteries' *Ionics*, 1 (1995)235
3. N. Bouropoulos, D. Karavias, P. Koutsoukos 'Determination of Heavy Metals in Human Gallstones by Anodic Stripping Voltametry' *Analisis*, 24 (1996)89
4. N. Bouropoulos, C. Bouropoulos, P. Klepetsanis, M. Melekos, G. Barbalias, P. Koutsoukos 'A Model System for the Study Urinary Stone Formation' *Br J Urology*, 78 (1996)169
5. N. Bouropoulos, C. Kontoyannis, P. Koutsoukos 'Nucleation Kinetics of ϵ -caprolactam Melts in the Presence of Water Impurity' *J.Crystal Growth*, 171 (1997)538
6. N. Bouropoulos, C. Kontoyannis, P.Koutsoukos 'Influence of Operational Variables on the Crystallization of ϵ -caprolactam from Melts' *J.Crystal Growth*, 177 (1997)119
7. C. Kontoyannis, N. Bouropoulos, P. Koutsoukos 'Use of Raman Spectroscopy for the Quantitative Analysis of Calcium Oxalate Hydrates: Application for the Analysis of Urinary stones' *Appl. Spectroscopy*, 51 (1997)64
8. C. Kontoyannis, N. Bouropoulos, P. Koutsoukos 'Urinary Stone Layer Analysis of Mineral Components by Raman Spectroscopy, IR Spectroscopy and X-Ray Powder Diffraction. A Comparative study' *Appl. Spectroscopy*, 51 (1997)1205
9. C. Kontoyannis, N. Bouropoulos, P. Koutsoukos 'Raman Spectroscopy: A Tool for the Quantitative Analysis of Mineral Components of Solid Mixtures. The Case of Calcium Oxalate Monohydrate and Hydroxyapatite' *Vibr. Spectroscopy*, 15 (1997)53
10. C. Bouropoulos, N. Bouropoulos, M. Melekos, P. Koutsoukos, G. Chitanu, A. Angelescu-Dogaru, A. Carpov 'The Inhibition of Calcium Oxalate Monohydrate Crystallization by Maleic acid Copolymers' *J. Urology*, 159 (1998)1755
11. C. Kontoyannis, N. Bouropoulos, H. Dauaer, C. Bouropoulos, N. Vagenas 'Analysis of Prostatic Stent Encrustation and of Entrapped Urinary Stone Using FT-IR and FT-Raman Spectroscopy' *Appl. Spectroscopy*, 54 (2000)1205
12. G. Barbalias, C. Bouropoulos, N.Vagenas, N.Bouropoulos, D. Siablis, E. Liatsikos, D. Karabatidis, P. Koutsoukos 'Encrustation of a Metal Alloy Urinary Stent. A Mechanistic Investigation' *Eur. Urology*, 38 (2000)144
13. N. Bouropoulos, P. Koutsoukos 'Spontaneous Precipitation of Struvite from Aqueous Solutions' *J Crystal Growth*, 213 (2000)381
14. N. Bouropoulos, S.Weiner, L. Addadi 'Calcium Oxalate Crystals in Tomato and Tobacco Plants: Morphology and in Vitro Interactions of Crystal Associated Macromolecules' *Chemistry-A European Journal* 7(2001)1881
15. J Moradian-Oldak, N. Bouropoulos, L. Wang, N. Gharakhanian. 'Analysis of Self-Assembly and Apatite Binding Properties of Amelogenin Protein Lacking the Hydrophylic C-terminal' *Matrix Biology*, 21 (2002)197
16. N. Bouropoulos J Moradian-Oldak, 'Analysis of Hydroxyapatite Surface Coverage by Amelogenin Nanospheres Following the Langmuir Model for Protein Adsorption' *Calcified Tissue International* 72(2003)59
17. J Moradian-Oldak, Iijima M, N. Bouropoulos, Wen H.B. "Assembly of amelogenin proteolytic products and control of octacalcium phosphate crystal morphology" *Connective Tissue Research* 44(2003)58
18. N. Bouropoulos, J. Moradian-Oldak "Induction of apatite by the cooperative effect of amelogenin and the 32KDa enamelin" *Journal of Dental Research* 83(2004)284
19. Bithelis G., Bouropoulos N., Liatsikos E., Perimenis P., Koutsoukos P., Barbalias G. "Assesment of encrustations in polyurethane ureteral stents" *Journal of Endourology* 18 (2004)550

20. C. Bouropoulos, N. Vagenas, P. Klepetsanis, N. Stavropoulos, N. Bouropoulos * “Growth of calcium oxalate monohydrate on uric acid crystals at sustained supersaturation” *Crystal Research and Technology* 39(2004)699
21. N. Bouropoulos, D. Kouzoudis, C. Grimes “The Real-time, in-situ monitoring of calcium oxalate and brushite precipitation using magneto elastic sensors” *Sensors and Actuators B Chem* 109(2005)227
22. D. Fatouros, N. Bouropoulos, P. Ioannou, S. Antimisiaris “Stability and aggregation studies of non-sonicated arsonolipid containing vesicles” *Cell Mol Biol Lett.* 10(2005)173
23. D. E. Mouzakis, N. Bouropoulos, G. Bithelis, E. Liatsikos, and G. Barbalias “Ageing assessment by dynamic mechanical analysis of in-vivo encrusted polymeric urinary stents” *Journal of Endourology* 20(2006)64
24. N. Bouropoulos, D. E. Mouzakis, G. Bithelis, E. Liatsikos and G. Barbalias “Vickers hardness studies of calcium oxalate monohydrate and brushite urinary stones” *Journal of Endourology* 20(2006)59
25. V. Petta, J. Moradian-Oldak, S. N. Yannopoulos and N. Bouropoulos * “Dynamic light scattering study of an amelogenin gel-like matrix” *European Journal of Oral Sciences* 114 Suppl 1(2006)308
26. G. Pasparakis, N. Bouropoulos*, “Swelling studies and in vitro release of verapamil from calcium alginate and calcium alginate–chitosan beads” *International Journal of Pharmaceutics* 323(2006)34
27. D. Tasis, D. Kastanis, C. Galiotis, N. Bouropoulos*, Growth of calcium phosphate mineral on carbon nanotube buckypapers *Physica Status Solidi B*, 243(2006)3230
28. D. Douroumis, N. Bouropoulos, A. Fahr, «Physicochemical characterization of solid dispersions of three antiepileptic drugs prepared by solvent evaporation method» *J Pharm Pharmacol.* 59(2007)645
29. A. Chrissanthopoulos, S. Baskoutas, N. Bouropoulos, V. Dracopoulos, D. Tasis, S. N. Yannopoulos “Novel ZnO nanostructures grown on carbon nanotubes by thermal evaporation” *Thin Solid Films*, 515(2007)8524
30. S. Baskoutas, P. Giabouranis, S. Yannopoulos, V. Dracopoulos, L. Toth, A. Chrissanthopoulos, N. Bouropoulos *. “Preparation of ZnO nanoparticles by thermal decomposition of zinc alginate” *Thin Solid Films* 515(2007)8461
31. D. Tasis, S. Pispas, C. Galiotis, N. Bouropoulos* “Growth of calcium carbonate on non-covalently modified carbon nanotubes” *Materials Letters*, 61(2007)5044
32. D. Douroumis, D. Fatouros, N. Bouropoulos, K. Papagelis, D. Tasis “Colloidal stability of carbon nanotubes in an aqueous dispersion of phospholipids” *Int J Nanomedicine.* 4(2007)761
33. A. G. Kalampounias, N. Bouropoulos*, K. Katerinopoulou, S. N. Yannopoulos “Textural and structural studies of sol-gel derived CaO- and MgO silica glasses” *Journal of Non Crystalline Solids* 354(2008)749
34. D. Tasis, K. Papagelis, D. Douroumis, J. Smith, N. Bouropoulos, D. Fatouros. “Diameter-Selective Solubilization of Carbon Nanotubes by Lipid Micelles” *Journal of Nanoscience and Nanotechnology*, 8(2008)420
35. A. Bakandritsos, N. Bouropoulos, R. Zboril, K. Iliopoulos, N. Boukos, G. Chatzikyriakos, S. Couris. “Optically Active Spherical Polyelectrolyte Brushes with a Nanocrystalline Magnetic Core” *Advanced Functional Materials* 18(2008)1694
36. N. Bouropoulos, G. C. Psarras, N. Moustakas, A. Chrissanthopoulos, S. Baskoutas “Optical and Dielectric Properties of ZnO-PVA Nanocomposites” *Physica Status Solidi a.* 205(2008)2033
37. A.J. Wise, J.R. Smith, N. Bouropoulos, S. N. Yannopoulos, S.M. van der Merwe, D. Fatouros “Single wall carbon nanotubes dispersions stabilized with n-trimethyl-chitosan”. *Journal of Biomedical Nanotechnology*, 4(2008) 67
38. N. Bouropoulos, I. Tsiaoussis, P. Pouloupoulos, P. Reditis, S. Baskoutas “ZnO controllable sized quantum dots produced by polyol method: An experimental and theoretical study” *Materials Letters* 62(2008)3533

39. A. Chrissanthopoulos, N. Bouropoulos, S.N. Yannopoulos «Vibrational spectroscopic and computational studies of sol-gel derived CaO-MgO-SiO₂ binary and ternary bioactive glasses» *Vibrational Spectroscopy*, 48(2008)118
40. A. Nochos, D. Douroumis, N. Bouropoulos * “In vitro release of bovine serum albumin from alginate/HPMC alginate beads” *Carbohydrate Polymers* 74(2008)451
41. A. Bakandritsos, N. Bouropoulos, A. Koutoulogenis, N. Boukos, D.G. Fatouros “Synthesis and Characterization of Iron oxide Nanoparticles Encapsulated in Lipid Membranes” *Journal of Biomedical Nanotechnology*, 4(2008)313
42. D. Mouzakis, N. Bouropoulos, D. Kallidonis, D. Karnabatidis, K. Katsanos, C. Constantinidis, P. Perimenis, D. Siambliis, E. Liatsikos “Viscoelastic property mapping along encrusted polymeric urinary catheters” *Journal of Endourology* 22(2008)1761
43. S. Green, M. Roldo, D. Douroumis, N. Bouropoulos, D. Lamprou, D. Fatouros, “Chitosan derivatives alter release profiles of model compounds from calcium phosphate implants” *Carbohydrate Research*, 344(2009)901
44. O. Katsamenis, N. Bouropoulos, D. Fatouros “Interaction of fullerenes C₆₀ with Large Unilamellar Vesicles” *Journal of Biomedical Nanotechnology* 5(2009)416
45. M. Roldo, K. Power, J. Smith, P. Cox, K. Papagelis, N. Bouropoulos, D. Fatouros “N-octyl-O-sulphate chitosan stabilises single wall carbon nanotubes in aqueous media and bestows biocompatibility” *Nanoscale* 1(2009)366-373
46. A. Bakandritsos, R. Zboril, N. Bouropoulos, P. Kallinteri, M. Favretto, T. Parker, A. Mullertz, D. Fatouros “The preparation of stable magnetically guided lipid based nanoemulsions using self-emulsifying technology” *Nanotechnology* 21 (5): Art. No. 055104 (2010)
47. S. Yannopoulos, G. Zouganelis, S. Nurmohamed, J. Smith, N. Bouropoulos, G. Calabrese, D. Fatouros, J. Tsibouklis “Physisorbed *o*-carborane onto lyso-phosphatidylcholine-functionalised single-walled carbon nanotubes: a potential carrier system for the therapeutic delivery of boron” *Nanotechnology*, 21 (8): Art. No. 085101 (2010)
48. O. Andriotis, O. Katsamenis, D. Mouzakis, N. Bouropoulos*, “Preparation and characterization of bioceramics produced from calcium phosphate cements” *Crystal Research and Technology* 3(2010)239-243
49. A. Bakandritsos, G. Mattheolabakis, R. Zboril, N. Bouropoulos, J. Tucek, D. G. Fatouros, K. Avgoustakis “Preparation, stability and cytocompatibility of magnetic/PLA-PEG hybrids”, *Nanoscale* 2(2010)564-572
50. N. Bouropoulos, A. Stampoulakis, and D. E. Mouzakis “Dynamic Mechanical Properties of Calcium Alginate-Hydroxyapatite Nanocomposite Hydrogels”, *Science of Advanced Materials* 2(2010)239-242
51. A. Chrissanthopoulos, S. Baskoutas, N. Bouropoulos, V. Dracopoulos, P. Pouloupoulos and S. Yannopoulos «Synthesis and characterization of ZnO/NiO p-n heterojunctions: ZnO nanorods grown on NiO thin film by thermal evaporation» *Photonics and Nanostructures* 9 (2011) 132–139
52. H. Nazar, D. Fatouros, S.M. van der Merwe, N. Bouropoulos, G. Avgouropoulos, J. Tsibouklis, M. Roldo, «Thermosensitive hydrogels for nasal drug delivery: the formulation and characterization of systems based on *N*-trimethyl chitosan chloride» *European Journal of Pharmaceutics and Biopharmaceutics* 77(2011)225-232
53. D. Fatouros, K. Power, O. Kadir, I. Dekany, S.N. Yannopoulos, N. Bouropoulos, A. Bakandritsos, M. Antonijevic, G. Zouganelis, M. Roldo «Stabilisation of SWNTs by alkyl-sulphate chitosan derivatives of different molecular weight: towards the preparation of hybrids with anticoagulant properties” *Nanoscale* 3(2011)1218-1224
54. N. K. Nasikas, A. Chrissanthopoulos, N. Bouropoulos, S. Sen, G.N. Papatheodorou “Silicate Glasses at the Ionic Limit: Alkaline-Earth Sub-Orthosilicates” *Chemistry of Materials* 23(2011) 3692-3697
55. D. Mouzakis, S. Zaoutsos, N. Bouropoulos, C. Bouropoulos, N. Ferakis, H. Poulias “Comprehensive Modeling of the Viscoelastic Relaxation Behavior of Polypropylene Tension Free Urinary Incontinence Tapes” *Adv. Sci. Eng. Med.* 3 (2011) 183-187

56. N. Bouropoulos, O. L. Katsamenis, P. A. Cox, S. Norman, P. Kallinteri, M. E. Farvetto, S. N. Yannopoulos, A. Bakandritsos, D. G. Fatouros “Probing the perturbation of lecithin bilayers by unmodified C60 fullerenes using experimental methods and computational modeling” *J Phys Chem C* 116 (2012) 3867-3874
57. Bakandritsos, A. Papagiannopoulos, E. Anagnostou, K. Avgoustakis, R. Zboril, S. Pispas, J. Tucek, V. Ryukhtin, N. Bouropoulos, A. Kolokithas-Ntoukas, T. Steriotis, U. Keiderling, and F. Winnefeld “Merging High Doxorubicin Loading with Pronounced Magnetic Response and Biorepellent Properties in Hybrid Drug Nanocarriers” *Small*, 8 (2012) 2381-2393
58. O. Katsamenis, V. Karoutsos, K. Kontostanos, E. Panagiotopoulos, H. Papadaki, N. Bouropoulos*. “Microstructural Characterization of CPPD and Hydroxyapatite Crystal Depositions on Human Menisci” *Cr Res Technology*, 47 (2012) 1201-1209
59. N. Bouropoulos* “Characterization of Pathological Deposits on Indwelling Double J Ureteral Stents” *Advanced Science, Engineering and Medicine* 5 (2013) 641-644
60. N. Bouropoulos* “Formation and Characterization of ZnO Nanoparticles in the Ionic Liquid 1-butyl-3-methylimidazolium chloride” *Science of Advanced Materials* 5 (2013) 46-50
61. Knychala J., Bouropoulos N., Catt C.J., Katsamenis O.L., Please C.P., Sengers B.G. “Pore Geometry Regulates Early Stage Human Bone Marrow Cell Tissue Formation and Organisation” *Annals of Biomedical Engineering*, February 41(2013)917-930
62. Faklaris, I; Bouropoulos, N*; Vainos, NA “Composition and morphological characteristics of sialoliths” *Crystal Research and Technology* 48(2013)632-640
63. Rasekh, M; Karavasili, C; Soong, YL; Bouropoulos, N; Morris, M; Armitage, D; Li, X; Fatouros, DG; Ahmad, Z. “Electrospun PVP-indomethacin constituents for transdermal dressings and drug delivery devices” *International Journal of Pharmaceutics* 473(2014)95-104
64. Chrissanthopoulos, A; Kyriazis, F; Nikolakis, V; Giannakopoulos, IG; Dracopoulos, V; Baskoutas, S; Bouropoulos, N; Yannopoulos, SN. “ZnO/zeolite hybrid nanostructures: synthesis, structure, optical properties, and simulation” *Thin Solid Films* 555(2014)21-27
65. Spanakis, M; Bouropoulos, N; Theodoropoulos, D; Sygellou, L; Ewart, S; Moschovi, A; Siokou, A; Niopas, I; Kachrimanis, K; Nikolakis, V; Cox, P; Vizirianakis, I; Fatouros, D “Controlled release of 5-fluorouracil from microporous zeolites” *Nanomedicine-Nanotechnology Biology and Medicine* 10(2014)197-205
66. Karavasili, C; Bouropoulos, N ; Kontopoulou, I; Smith; van der Merwe, SM; Rehman, IUR; Ahmad, Z; Fatouros, D. “Preparation and characterization of multiactive electrospun fibers: Poly-epsilon-caprolactone fibers loaded with hydroxyapatite and selected NSAIDs” *Journal of Biomedical Materials Research Part A* 102(2014) 2583-2589
67. C.Karavasili, O. Katsamenis, N. Bouropoulos, H. Nazar, P. Thurner, SM van der Mreve, D. Fatouros. “Preparation and Characterization of Bioadhesive Microparticles Comprised of Low Degree of Quaternization Trimethylated Chitosan for Nasal Administration: Effect of Concentration and Molecular Weight” *Langmuir* 30(2014)12337

Notes:

- Asterisk denotes “corresponding author”
- *Analusis*: renamed to *Analytical and Bioanalytical Chemistry* from 2002. (<http://www.springer.com>)
- *British Journal of Urology*: renamed to *British Journal of Urology International*. (<http://www3.interscience.wiley.com>)

Book Chapters

- F. Kyriazis, S.N. Yannopoulos, A. Chrissanthopoulos, S. Baskoutas, N. Bouropoulos. “ZnO nanostructures grown by thermal evaporation and thermal decomposition” J.P. Reithmaier et al.

(Eds.), *Nanostructured Materials for Advanced Technological Applications*, 211-214 Springer Science, 2009, ISBN 978-1-4020-9914-4

Publications in Scientific Conferences: 103

- **Greek Conferences:** 48
- **International Conferences:** 55

Total Citations : 1022 (994 without self-citations).
(Source: Web of Science). h index: 19

Citations in Books: 29 (Source: <http://books.google.com>)