TPCI (ΙΘΦΧ) 2014

1. Papers in Refereed Journals

1. "Highly efficient and unidirectional energy transfer within a tightly self-assembled host–guest multichromophoric array",
N. Karakostas, I.M. Mavridis, K. Seintis, M. Fakis, E.N. Koini, I.D. Petsalakis, and G. Pistolis,
Chem. Commun. 50, 1362 (2014).
DOI: 10.1039/C3CC48076C

2. "Theoretical study on the electronic structure of triphenyl sulfonium salts: Electronic excitation and charge transfer processes",
I.D. Petsalakis, G. Theodorakopoulos, N.N. Lathiotakis, D.G. Georgiadou, M. Vasilopoulou, and P. Argitis,
Chem. Phys. Lett. 601, 63 (2014).
doi:10.1016/j.cplett.2014.03.086

3. "Theoretical study on a corrole-azafullerene dyad: Electronic structure, spectra and photoinduced electron transfer",
I.D. Petsalakis and G. Theodorakopoulos,
Chem. Phys. Lett. 610-611, 50 (2014).
doi:10.1016/j.cplett.2014.07.019

4. "Benzimidazolium-based new simple ratiometric fluorescent sensor for selective detection of dihydrogenphosphate",
K. Ghosh, D. Kar, A. Panja, I.D. Petsalakis, and G. Theodorakopoulos,
Supramolecular Chemistry 26, 856 (2014).
DOI:10.1080/10610278.2014.884716

5. "The role of the host-guest interactions in the relative stability of compressed encapsulated homodimers and heterodimers of amides and carboxylic acids",
D. Tzeli, I.D. Petsalakis, G. Theodorakopoulos, D. Ajami, and J. Rebek, Jr.,
Theor. Chem. Acc. 133, 1503 (2014).
DOI:10.1007/s00214-014-1503-8

6. "CI and DFT studies of the adsorption of the nerve agent sarin on surfaces",
B. Pappas, I.D. Petsalakis, G. Theodorakopoulos, and J. Whitten,
J. Phys. Chem. C 118, 23042 (2014).
DOI: 10.1021/jp505258k

7. "β-Nitroso-o-quinone methides: Potent intermediates in organic chemistry and biology. The impact of the NO group on their structure and reactivity profile. A theoretical insight",
P. Kozielewicz, P.G. Tsoungas, D. Tzeli, I.D. Petsalakis, and M. Zloh,
Struct. Chem. 25, 1711 (2014).
DOI:10.1007/s11224-014-0454-y

8. "Structural, vibrational, thermodynamic and frontier molecular orbital studies on $(GaN)_2$: A DFT and MP2 approach",
T. Mathavan, G.V. Kumari, M.A. Jothirajan, D. Tzeli, A.M.F. Baniel, and S. Umapathy,
Int. J. Sci. Eng. Res. 5, 29 (2014).
DOI:http://www.ijser.org/(GaN)2

9. "A study on thermochemical properties of ZnS nanomaterial: A computational approach",
T. Mathavan, A. Varghese, G. Vanitha Kumari, M.A. Jothirajan, A.M.F. Beniel, D. Tzeli, and S. Umapathy,
Int. J. Sci. Eng. Res. 5, 33 (2014).
DOI:http://www.ijser.org/ZnS

10. "Arene-fused 1,2-oxazole N-oxides and derivatives. The impact of the N-O dipole and substitution on their aromatic character and reactivity profile. Can it be a useful structure in synthesis? A theoretical insight",
P. Kozielewicz, D. Tzeli, P.G. Tsoungas, and M. Zloh,
Struct. Chem. 25, 1837 (2014).
DOI:10.1007/s11224-014-0459-6

11. "Dynamics of submicron aerosol droplets in a robust optical trap formed by multiple Bessel beams",
I. Thanopulos, D. Luckhaus, T.C. Preston, and R. Signorell,
J. App. Phys. 115, 154304 (2014).
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12. "Kubas complexes extended to four centers; a theoretical prediction of novel dihydrogen coordination in bimetallic tungsten and molybdenum compounds",
E.D. Simandiras, D.G. Liakos, N. Psaroudakis, and K. Mertis,
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DOI:10.1016/j.jorganchem.2014.05.007

13. "Quasi-particle energy spectra in local reduced density matrix functional theory",
N.N. Lathiotakis, N. Helbig, A. Rubio, and N.I. Gidopoulos,
J. Chem. Phys. 141, 164120 (2014).
DOI: 10.1063/1.4899072

14. "Local reduced-density-matrix-functional theory: Incorporating static correlation effects in Kohn-Sham equations",
N.N. Lathiotakis, N. Helbig, A. Rubio, and N.I. Gidopoulos,
Phys. Rev. A 90, 032511 (2014).
DOI: 10.1103/PhysRevA.90.032511

15. "Accurate study for excited atoms (ions): A new variational method",
Z. Xiong, Z.-X. Wang, and N.C. Bacalis,

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DOI:10.7498/aps.63.053104

16. “On- and off-resonance radiation-atom coupling matrix elements involving extended atomic wavefunctions”,
Y. Komninos, Th. Mercouris, and C.A. Nicolaides,
Phys. Rev. A. 89, 013420 (2014).
DOI: 10.1103/PhysRevA.89.013420

17. “Comment on 'Time-resolved resonant photoionization of He using a time-dependent Feshbach method with ultrashort laser pulses'”,
C.A. Nicolaides, Y. Komninos, and Th. Mercouris,
J. Phys. B: At. Mol. Opt. Phys. 47, 138001 (2014).
DOI : 10.1088/0953-4075/47/13/138001

18. “Quantum chemistry and its 'ages'”,
C.A. Nicolaides,
Int. J. Quantum Chem. 114, 963 (2014).
DOI: 10.1002/qua.24640

19. “Thermal denaturation of A-DNA”,
J. Valle-Orero, A. Wildes, N. Theodorakopoulos, S. Cuesta-Lopez, J-L Garden, S. Danilkin, and M. Peyrard,
New J. Phys. 16, 113017 (2014).
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21. “Partitioning and structural role of Mn and Fe ions in ionic sulfophosphate glasses”,
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J. Chem. Phys. 141, 224509 (2014).
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22. “Raman-spectroscopic study of structural changes induced by micro-indentation in low alkali borosilicate glasses”,
A. Winterstein-Beckmann, D. Moencke, D. Palles, E.I. Kamitsos, and L. Wondraczek,
J. Non-Cryst. Solids 401, 110 (2014).
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23. “Vibrational study of thermally ion-exchanged sodium aluminoborosilicate glasses”,
E. Stavrou, D. Palles, E.I. Kamitsos, A. Lipovskii, D. Tagantsev, Y. Svirko, and S. Honkanen,
J. Non-Cryst. Solids 401, 232 (2014).
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24. “Effect of temperature on the direct synthesis of gold nanoparticles mediated by poly(dimethyl aminoethyl methacrylate) homopolymer”,
G. Mountrichas, S. Pispas, and E.I. Kamitsos,
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26. “Comment to the paper: Identification of indigoid compounds present in archaeological Maya blue by pyrolysis-silylation-gas chromatography–mass spectrometry (M.T. Doménech-Carbó, L. Osete-Cortina, A. Doménech-Carbó, M.L. Vázquez de Agredos-Pascual and C. Vidal-Lorenzo, J. Anal. Appl. Pyrol. 105 (2014) 355–362)”,
C. Tsiantos, M. Tsampodimou, G.H. Kacandes, M. Sánchez del Río, V. Gionis, and G.D. Chryssikos,
J. Anal. Appl. Pyrol. 108, 327 (2014).
DOI: 10.1016/j.jaap.2014.04.004

27. “Optical and structural properties of nanostructured $CuIn_{0.7}Ga_{0.3}(Se_{(1-x)}Te_x)_2$ chalcopyrite thin films - effect of stoichiometry and annealing”,
S. Fiat, I. Polat, E. Bacaksiz, G. Kankaya, P. Koralli, D.E. Manolakos, and M. Kompitsas,
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28. “Nanocomposite NiO:Au hydrogen sensors with high sensitivity and low operating temperature”,
M. Kandyla, C. Chatzimanolis-Moustakas, E.P. Koumoulos, C. Charitidis, and M. Kompitsas,
Mater. Res. Bull. 49, 552 (2014); arXiv:1312.0433.
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S. Fiat, E. Bacaksiz, M. Kompitsas, and G. Kankaya,
J. Alloy. Compd. 585, 178 (2014).
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30. “Nanocomposite NiO:Pd hydrogen sensors with sub-ppm detection limit and low operating temperature”,
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31. “The impact of different ZnO growth methods on the electrical and optical properties of a n-ZnO/p-GaN:Mg/c-plane sapphire UV LED”,
S. Fiat Varol, D. Sahin, M. Kompitsas, and G. Çankaya,
RSC Adv. 4 13593 (2014).
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32. “Structural and optical properties of TiO_2 thin films prepared by spin coating”,
I. Sta, M. Jlassi, M. Hajji, M.F. Boujmil, R. Jerbi, M. Kandyla, M. Kompitsas, and H. Ezzaouia,
J. Sol-Gel Sci. Technol. 72, 421 (2014).
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33. “Scalable fabrication of nanostructured p-Si/n-ZnO heterojunctions by femtosecond-laser processing”,
D.G. Georgiadou, M. Ulmeanu, M. Kompitsas, P. Argitis, and M. Kandyla,
Mater. Res. Express 1, 045902 (2014); arXiv:1410.6184.
DOI: 10.1088/2053-1591/1/4/045902

34. “Synthesis, characterization and theoretical studies of novel phthalocyanine complexes”,
N. Psaroudakis, A. Thimiopoulos, A. Vogiatzi, E.D. Simandiras, and G.A Mousdis,
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35. “Chemical properties and fluorescence of DOM in relation to biodegradation in the interconnected Marmara–North Aegean Seas during August 2008”,
C. Zeri, S. Besiktepe, A. Giannakourou, E. Krasakopoulou, M. Tzortziou, D. Tsoliakos, A. Pavlidou, G. Mousdis, E. Pitta, M. Scoullos, and E. Papathanassiou,
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36. “Food adulteration analysis without laboratory prepared or determined reference food adulterant values”,
J.H. Kalivas, C.A. Georgiou, M. Moira, I. Tsafaras, E.A. Petrakis, and G.A. Mousdis,
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37. “Room temperature enhanced blue-green, yellow-orange and red phosphorescence from some compounds of the type $(CH_3NH_3)_{n-1}$(1-naphthylmethyl ammonium)$_2Pb_n(Cl_xBr_{1-x})_{3n+1}$ (with n=1,2 and $0\leq x\leq 1$)and related observations from similar compounds”,
G.C. Papavassiliou, G.A. Mousdis, G. Pagona, N. Karousis, and M.-S. Vidali,
J. Lumines. 149, 287 (2014).
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H. Aizawa1, K. Kuroki, H. Yoshino, G.A. Mousdis, G.C. Papavassiliou, and K. Murata,
J. Phys. Soc. Jpn. 83, 104705 (2014).
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S. Kuhri, G. Charalambidis, P.A. Angaridis, T. Lazarides, G. Pagona, N. Tagmatarchis, A.G. Coutsolelos, and D. M. Guldi,
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40. “Supramolecular association of oligophenylenevinylene-based Hamilton receptor and fullerene-based cyanurate via multiple hydrogen bonding”,
G. Pagona, G. Rotas, and N. Tagmatarchis,
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DOI: 10.1080/1536383X.2013.794341

41. “Heavily nitrogen-doped suspended graphene flakes: Annealing effects and selectivity of sp^2 nitrogen species”,
M. Scardamaglia, B. Aleman Llorente, M. Amati, C. Ewels, P. Pochet, N. Reckinger, J.-F Colomer, T. Skaltsas, N. Tagmatarchis, R. Snyders, L. Gregoratti, and C. Bittencourt,
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42. “Photocatalytic application of nanosized CdS immobilized onto functionalized MWCNTs”,
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A. Stergiou, G. Pagona, and N. Tagmatarchis,
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Y. Maeda, M. Kimura, C. Ueda, M. Yamada, T. Kikuchi, M. Suzuki, W.-W. Wang, N. Mizorogi, N. Karousis, N. Tagmatarchis, T. Hasegawa, M.M. Olmstead, A.L. Balch, S. Nagase, and T. Akasaka,
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45. “Fullerene-proline hybrids: Synthesis, characterization and organocatalytic properties in aldol reactions”,
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46. “Photocatalytic applications with CdS•block copolymer/exfoliated graphene nanoensembles: hydrogen generation and degradation of rhodamine B”,
Th. Skaltsas, N. Karousis, S. Pispas, and N. Tagmatarchis,
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G. Rotas, N. Tkachenko, S. Zhao, H. Shinohara, and N. Tagmatarchis,
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J. Skvala, M. Uchman, K. Prochazka, Z. Tosner, V. M. Garamus, S. Pispas, and M. Stepanek,
Colloids Surf. A: Physicochem. Eng. Aspects 443, 209 (2014).
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50. “Polystyrene-b-poly(2-vinyl phenacyl pyridinium) salts as photoinitiators for free radical and cationic polymerizations and their photoinduced molecular associations”,
O.S. Taskin, I. Erel-Goktepe, M.A.A. Khan, S. Pispas, and Y. Yagci,
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51. “Thermoresponsive aggregation of PS-PNIPAM-PS triblock copolymer: A combined study of light scattering and small angle neutron scattering”,
A. Papagiannopoulos, J. Zhao, G. Zhang, S. Pispas, and A. Radulescu,
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53. “Enhanced gene expression promoted by hybrid magnetic/cationic block copolymer micelles”,
E. Haladjova, S. Rangelov, Ch.B. Tsvetanov, V. Posheva, E. Peycheva, V. Maximova, D. Momekova, G. Mountrichas, S. Pispas, and A. Bakandritsos,
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J. Xu, W. Lian, S. Pispas, and G. Zhang,
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J. Skvarla, J. Zednik, M. Slouf, S. Pispas, and M. Stepanek,
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56. "Morphologically tunable coassembly of double hydrophilic block polyelectrolyte with oppositely charged fluorosurfactant",
M. Uchman, S. Pispas, L. Kovacik, and M. Stepanek,
Macromolecules 47, 7081 (2014).
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57. "Preparation, development and in vitro release evaluation of amphotericin B-loaded amphiphilic block copolymer vectors",
N. Pippa, M. Mariaki, S. Pispas, and C. Demetzos,
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58. "The interplay between the rate of the release from polymer grafted liposomes and their fractal morphology",
N. Pippa, A. Dokoumetzidis, S. Pispas, and C. Demetzos,
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N. Pippa, S. Pispas, and C. Demetzos,
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N. Pippa, E. Kaditi, S. Pispas, and C. Demetzos,
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N. Pippa, E. Deli, E. Mentzali, S. Pispas, and C. Demetzos,
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63. "The effect of silica nanoparticles on the thermomechanical properties and degradation behavior of polylactic acid",
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V. Sereti, M. Zoumpanioti, V. Papadimitriou, S. Pispas, and A. Xenakis,
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E. Sarantopoulou, A. Stefi, Z. Kollia, D. Palles, P. S. Petrou, A. Bourkoula, G. Koukouvinos, A.D. Velentzas, S. Kakabakos and A.C. Cefalas,
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A.V. Kukhta, A.E. Pochtenny, A.V. Misevich, I.N. Kukhta, E.M. Semenova, S.A. Vorobyova and E. Sarantopoulou,
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2. "Identifying authentic and/or adulterated food products followed by adulterant quantitation without reference samples: application to Fava Santorinis and extra virgin olive oil", J.H. Kalivas, K. Higgins, C.A. Georgiou, M. Mira, I. Tsafaras, G.A. Mousdis, E.A. Petrakis, S.A. Drivelos, and S.A. Haroutounian,
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3. "Coloring vitreous materials: pigments, colloids and ions in glasses and glazes from the Mycenaen to medival periods probed by spectroscopic techniques",
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7. “Autonomous and wireless-enabled multiagent chemical and biological sensors based on polymer optical fibers”,
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Proceedings of 23rd International Conference on Plastic Optical Fibers, Hiyoshi, Yokohama, Japan, October 8-10 2014. Proc. POF2014, 111005, 219-221 (2014).

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L. Athanasekos, M. Vasileiadis, A. El Sachat, N.A. Vainos and C. Riziotis,
Proceedings of 23rd International Conference on Plastic Optical Fibers, Hiyoshi Yokohama, Japan, October 8-10, 2014. Proc. POF2014, 111005, 56-60 (2014).

10. “Development of hybrid solid and hollow core photonic crystal fiber with soft glass deposition for infrared light manipulation”,
K. Vlachos, T. Vasileiadis, V. Dracopoulos, C. Markos, G. Kakarantzas, and S.N. Yannopoulos,
Proceedings of International Conference on Trasparent Optical Networks (ICTON) 2014, Gratz, Austria, July 6-10, 2014. Proc. ICTON 2014, 1-6 (2014).
DOI:10.1109/ICTON.2014.6876463

3. Book

1. “Polymer and polymer-hybrid nanoparticles: From synthesis to biomedical applications”,
S. Rangelov and S. Pispas,
CRC Press, Taylor & Francis Group, Boca Raton, USA; 2014. ISBN 978-1-4398-6907-9.

4. Publications in Technical Journals / Miscellaneous Publications

1. “Optimization of plasmonic slot nano-resonators embedded in gold-coated optical fiber tapers for biosensing applications”,
A. Petropoulou, M.N. Zervas and C. Riziotis,
Short Term Scientific Mission (STSM) Report, COST ACTION TD1001.
Reference Number: COST-STSM-TD1001-18735, (2014).

5. Books Editing

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6. Patents

1. "Nanocarrier compositions",
N. Pippa, S. Pispas, C. Demetzos and G. Sivolapenko,
Greek Patent, GR1008332 (October 21, 2014).

7. Dissertations

a. PhD theses

1. "Design, synthesis, characterization and applications of organocatalysts immobilized onto carbon nanostructures",
D. Chronopoulos,
Supervisor Dr. N. Tagmatarchis, National and Kapodistrian University of Athens, Department of Chemistry (2014).

2. "Self-assembly in solutions of amphiphilic block copolymers based on poly(ethylene oxide)",
E. Kaditi,
Supervisor Dr. S. Pispas, National and Kapodistrian University of Athens, Department of Chemistry (2014).

3. "Novel quantum dot and nano-entity photonic structures",
M. Vasileiadis,
Supervisors Prof. N. Vainos and Dr. S. Pispas, University of Patras, Department of Materials Science (2014).

4. "Development and investigation of microstructures by use of laser for photonic applications",
L. Athanasekos,
Supervisors Prof. N. Vainos and Dr. S. Pispas, University of Patras, Department of Materials Science (2014).

5. "Electrical properties of nanostructured metal nitrides"
N. Spyropoulos-Antonakakis,
Supervisors Dr. A. C. Cefalas, Dr. E. Sarantopoulou, Aristotle University of Thessaloniki, School of Chemical Engineering (2014).

b. MSc theses

1. "Minimization Principle for Excited State Wave Functions",
H. Dellaportas,

Supervisors N.C. Bacalis and C. Paraskevaides, National Technical University of Athens, School of Applied Mathematical and Physical Science (March 2014).

2. "Rapid analytical technologies for identifying adulteration of argan oil: synchronous scanning fluorimetry",
F. Mellou,
Supervisors Dr. G.A. Mousdis and Prof. C. Georgiou, Argicultural University of Athens (2014).

3. "Development and characterization of nanocomposite ZnO:Au and ZnO:Pd thin-film acetone sensors",
M. Alexiadou,
Supervisors Dr. M. Kandyla and Prof. C. Charitidis, National Technical University of Athens, Joint Master's Program in Materials Science and Technology (2014).

4. "Design and construction of a Pulsed Laser micro/nano maching system"
E.K. Koussi,
Supervisors Dr. E. Sarantopoulou, Prof. L. Varani,
Universite Montepellier 2, Faculte des Sciences (2014).

c. Honors theses

1. "Synthesis of dithiolene Ni complexes with aromatic extension groups",
F. Bechraki,
Supervisors Dr. G.A. Mousdis and Assist. Prof. N. Psaroudakis, National and Kapodistrian University of Athens, Department of Chemistry (2014).

8. Conference Presentations

1. "A study on thermochemical properties of ZnS nanomaterial: A computational approach",
T. Mathavan, A. Varghese, G. Vanitha Kumari, M.A. Jothirajan, A.M.F. Beniel, D. Tzeli*, and S. Umapathy,
International Conference on Recent Advances in Physics for Interdisciplinary Developments (ICRAPID-14), Sathyabama University, India, 23 -24/1/2014 (poster).

2. "First principles modeling of the structural and mechanical properties of graphene-based nanostructures",
G. Chatzidakis, N.N. Lathiotakis*, G. Kalosakas, C. Galiotis, and K. Papagelis,
International Conference, "Nanotechnology 2014", 5-12/7/2014, Thessaloniki, Greece (poster).

3. "First principles modeling of the structural and mechanical properties of graphene-based nanostructures",
G. Chatzidakis, N.N. Lathiotakis*, G. Kalosakas, C. Galiotis, and K. Papagelis,
Summer School, "10 years from the discovery of Graphene", 14-18/07/2014, Patras, Greece (poster).

4. “Constraining optimal local potentials to remove self-interactions in DFT and RDMFT”, N.N. Lathiotakis,
International Workshop: Theory Days on Self-Interaction Corrections, Toulouse, France, 26-28/11, 2014 (invited talk).

5. “Study of a luxurious Roman vessel glass collection from Patras, Greece. An interdisciplinary characterization, use and provenance by p-XRF, SEM/EDS, Raman and IR”,
E. Palamara*, N. Zacharias, L. Papakosta, D. Palles, and E.I. Kamitsos,
40th International Symposium on Archaeometry – ISA 2014, Los Angeles, California, USA; May 19-23, 2014 (poster).

6. “Late bronze age borosilicate glass layers: Borax as adhesive for gold covers on Mycenaean vitreous relief fragments”,
D. Möncke, F. Drünert, E. Palamara*, M. Kaparou, N. Zacharias, D. Palles, and E.I. Kamitsos,
40th International Symposium on Archaeometry – ISA 2014, Los Angeles, California, USA; May 19-23, 2014 (poster).

7. “Short and medium range order in borosilicate glasses probed by vibrational and NMR spectroscopy”,
D. Möncke*, E.I. Kamitsos, G. Tricot, A. Winterstein-Beckmann, L. Wondraczek, and D. Ehrt,
1st Joint Meeting of the German Society of Glass Technology and the American Ceramic Society, Glass & Optical Materials Division (DGG-ACerS GOMD), Aachen, Germany; May 25-30, 2014 (oral).

8. “Structure of densified Na_2O-B_2O_3-SiO_2 glasses”,
A. Winterstein-Beckmann*, D. Möncke, D. Palles, E.I. Kamitsos, and L. Wondraczek,
1st Joint Meeting of the German Society of Glass Technology and the American Ceramic Society, Glass & Optical Materials Division (DGG-ACerS GOMD), Aachen, Germany; May 25-30, 2014 (oral).

9. “Antimonates as colorants and opacifiers in mosaic tesserae, glasses, and glazes from antiquity to modernity”,
F. Drünert*, D. Möncke, E. Palamara, O. Mecking, D. Palles, E.I. Kamitsos, L. Wondraczek, and N. Zacharias,
1st Joint Meeting of the German Society of Glass Technology and the American Ceramic Society, Glass & Optical Materials Division (DGG-ACerS GOMD), Aachen, Germany; May 25-30, 2014 (poster; 3rd best poster award).

10. “Structural investigation of highly modified Eu-Sr borate glasses”,
A. Winterstein-Beckmann*, D. Möncke, D. Palles, E.I. Kamitsos, and L. Wondraczek,
8th International Conference on Borate Glasses, Crystals and Melts and International Conference on Phosphate Glasses, Pardubice, Czech Republic; June 30-July 4, 2014 (oral).

11. “Contamination of phosphate melts and glasses prepared in alumina crucibles. The case of AgI-$AgPO_3$ as studied by IR, Raman and NMR spectroscopy”,
D. Palles*, G. Tricot, and E.I. Kamitsos,

8th International Conference on Borate Glasses, Crystals and Melts and International Conference on Phosphate Glasses, Pardubice, Czech Republic; June 30-July 4, 2014 (poster).

12. "Electro-thermal-poling-induced nonlinear optical properties in tellurite glasses and correlations with structure by vibrational spectroscopy and ab intio studies",
N.S. Tagiara*, N.K. Nasikas, D. Palles, E.D. Simandiras, A. Kyritsis, and E.I. Kamitsos,
E-MRS 2014 Fall Meeting, Advances on Functional Doped Glasses: Technologies, Properties and Applications, Warsaw, Poland; September 15-19, 2014 (poster).

13. "Ion-exchanged oxide glasses by vibrational spectroscopy",
E. Stavrou*, D. Palles, E.I. Kamitsos, A. Lipovskii, and D. Tagantsev,
E-MRS 2014 Fall Meeting, Advances on Functional Doped Glasses: Technologies, Properties and Applications, Warsaw, Poland; September 15-19, 2014 (oral).

14. "Glass-metal nanocomposites: Materials, fabrication and applications",
S. Honkanen*, Y. Svirko, S. Chervinskii, A. Matikainen, A. Lipovskii, V. Zhurikhina, E. Stavrou, D. Palles, and E. I. Kamitsos,
E-MRS 2014 Fall Meeting, Advances on Functional Doped Glasses: Technologies, Properties and Applications, Warsaw, Poland; September 15-19, 2014 (invited talk).

15. "A multi-technique physicochemical study of byzantine glazed pottery from Corinth Greece",
E. Palamara*, N. Zacharias, M. Xanthopoulou, D. Palles, and E.I. Kamitsos,
4th Symposium on Archaeological Research & New Technologies (ARCH-RNT), Kalamata, Greece; October 1-3, 2014 (oral).

16. "Electro-thermal-poling-induced nonlinear optical properties in oxide glasses and correlations with glass structure",
E.I. Kamitsos,
Sixth Balkan Conference on Glass Science and Technology and 18th Conference on Glass and Ceramics, Nessebar, Bulgaria; October 1-4, 2014 (invited talk).

17. "Connectivities and boron speciation in borosilicate glasses probed by IR, Raman and NMR spectroscopy",
D. Möncke*, E.I. Kamitsos, and G. Tricot,
Sixth Balkan Conference on Glass Science and Technology and 18th Conference on Glass and Ceramics, Nessebar, Bulgaria; October 1-4, 2014 (invited talk).

18. "Structural changes through indentation in alkali-borosilicate glasses",
A. Winterstein-Beckmann*, D. Möncke, D. Palles, P. Malchow, K. Durst, E.I. Kamitsos, and L. Wondraczek,
FFAG, Weimar, Germany; October 7-10, 2014 (oral).

19. "Near and medium range order in borosilicate glasses probed by vibrational and NMR spectroscopy",
D. Möncke*, G. Tricot, and E.I. Kamitsos,

International Seminar on Glasses and Other Functional Materials (ISGMF), Acharya Nagarjuna University, Andhra Pradesh, India; December 11-13, 2014 (invited talk).

20. "Research and development activities at TPCI",
E.I. Kamitsos,
Greek Innovation Forum, Research-Design-Technology, Athens, Greece; December 19-21, 2014 (invited talk).

21. "Systematics of bentonite by near-infrared spectroscopy",
A. Deligianni, V. Gionis*, and G.D. Chryssikos,
51st CMS Annual Meeting, Texas, USA; May 17-21, 2014 (poster).

22. "A forgotten band – Infrared signature of the interlayer water in smectites",
A. Kuligiewicz*, M. Szczerba, A. Derkowski, V. Gionis, and G.D. Chryssikos,
51st CMS Annual Meeting, Texas, USA; May 17-21, 2014 (oral).

23. "Clay-based hybrid materials by spectroscopy: The case of Maya Blue",
G.D. Chryssikos,
11th Conference on Solid State Chemistry, Trencianske Teplice, Slovakia; July 6-11, 2014 (invited talk).

24. "Vibrational spectroscopic investigation of sepiolite-indigo hybrids",
V. Gionis*, C. Tsiantos, and G.D. Chryssikos,
11th Conference on Solid State Chemistry, Trencianske Teplice, Slovakia; July 6-11, 2014 (oral).

25. "Low temperature NIR spectroscopic characterization of Palygorskite and indigo in synthetic Maya Blue",
C. Tsiantos, V. Gionis, and G.D. Chryssikos*,
7th Mid European Clay Conference, Dresden, Germany; September 16-19, 2014 (poster).

26. "Freezing H_2O inside the tunnels of sepiolite: A cryo-NIR spectroscopic investigation",
V. Gionis*, C. Tsiantos, and G.D. Chryssikos,
7th Mid European Clay Conference, Dresden, Germany; September 16-19, 2014 (poster).

27. "Reactive pulsed laser deposition of amorphous hydrogenated silicon thin films for solar cell applications",
M. Kandyla*, A. Mellos, and M. Kompitsas,
SPIE Photonics Europe, Brussels, Belgium; April 14-17, 2014 (poster).

28. "Low cost and high efficiency, second generation thin film solar cells",
M. Kompitsas*, P. Koralli, M. Kandyla, G. Mousdis, and M. Girtan,
10th International Conference on Physics of Advanced Materials (ICPAM-10), Iasi, Romania; September 22-27, 2014 (oral).

29. "Thin-film, metal oxide electrochemical gas sensors, functionalized with noble metal nanoparticles",

M. Kompitsas*, M. Kandyla, P. Koralli, and G. Mousdis,
1st Autumn School on Physics of Advanced Materials (PAMS-1), Iasi, Romania; September 22-27, 2014 (oral).

30. "Sol-gel grown compound ZnO and doped ZnO thin films for photovoltaic applications",
P. Koralli, M. Kompitsas*, G. Mousdis, M. Kandyla, M. Girtan, and D.E. Manolakos,
5th International Symposium on Transparent Conductive Materials (IS-TCM14), Chania, Greece; October 12-17, 2014 (poster).

31. "On the structural, morphological and optical properties of ITO, ZnO, ZnO:Al and NiO thin films obtained by thermal oxidation",
S. Iftimie*, R. Mallet, L. Ion, S. Antohe, J. Merigeon, M. Kompitsas, G. Sakellariou, G. Vougioukalakis, and M. Girtan,
NN14, Thessaloniki, Greece; July 8-11, 2014 (poster).

32. "On the properties of ITO, ZnO, ZnO:Al and NiO thin films obtained by thermal oxidation",
S. Iftimie, R. Mallet, L. Ion, S. Antohe, J. Merigeon, M. Kompitsas, G. Sakellariou, G. Vougioukalakis, and M. Girtan*,
5th International Symposium on Transparent Conductive Materials (IS-TCM14), Chania, Greece; October 12-17, 2014 (poster).

33. "Sensing characteristics of NiO and NiO:Li thin films deposited by the sol-gel method on glass substrates",
I. Sta, M. Jlassi, M. Kandyla*, M. Hajji, P. Koralli, M. Kompitsas, and H. Ezzaouia, 30th Panhellenic Conference on Solid-State Physics and Materials Science, Heraclion, Greece; September 21-24, 2014 (poster).

34. "Effect of palladium doping on the structural, optical, and electrical properties of NiO films prepared by spin coating",
I. Sta, M. Jlassi, P. Koralli, M. Hajji, M. Kandyla, G. Mousdis, M. Kompitsas*, and H. Ezzaouia,
5th International Symposium on Transparent Conductive Materials (IS-TCM14), Chania, Greece; October 12-17, 2014 (poster).

35. "Synchronous fluorescence spectroscopy for the determination of argan oil adulteration with corn oil",
F. Mellou*, G. Mousdis, J. Kalivas, A. Amine, and C. Georgiou,
3rd International ISEKI Food Conference, Athens, Greece; May 21-23, 2014 (poster).

36. "Biocompatible nickel dithiolene complexes/amphiphilic diblock copolymers hybrid nanosystems",
G. Mousdis*, E. Vlassi, and S. Pispas,
Cost Action CM 1304 Meeting Syschem20, San Sebastian – Donostia, Spain; June 9-12, 2014 (oral).

37. "Azafullerene-based hybrids",

N. Tagmatarchis,
NanoTP, Nantes, France; April 2-5, 2014 (invited talk).

38. "Exfoliated graphene and ensembles with photoactive electron donors for diverse applications",
N. Tagmatarchis,
225th ECS Meeting, Orlando, USA; May 11-16, 2014 (invited talk).

39. "Liquid exfoliation of graphite leading to graphene as functional material",
Th. Skaltsas*, N. Karousis, S. Pispas, and N. Tagmatarchis,
ChemOnTubes, Riva del Garda, Italy; March 30 - April 3, 2014 (poster).

40. "Multichromophores onto graphene: Covalent vs supramolecular approaches for efficient photoconversion",
S.P. Economopoulos* and N. Tagmatarchis,
MRS Spring Meeting, San Francisco, California, USA; April 21-25, 2014 (oral).

41. "Oligothiophene-graphene hybrids",
A. Stergiou* and N. Tagmatarchis,
GDR-I GNT – Graphene and Nanotubes: Science and Applications, Strasbourg, France; September 20-24, 2014 (poster).

42. "Graphene-based hybrid materials incorporating multichromophores",
S.P. Economopoulos* and N. Tagmatarchis,
226th ECS Meeting, Cancun, Mexico; October 5-10, 2014 (oral).

43. "Perylenediimide–graphene donor-acceptor nanoensembles: Synthesis, characterization and photophysics",
N. Karousis*, L. Martin-Gomis, K. Ohkubo, T. Hasobe, A. Sastre-Santos, S. Fukuzumi, and N. Tagmatarchis,
226th ECS Meeting, Cancun, Mexico; October 5-10, 2014 (oral).

44. "Exfoliated graphene and ensembles with photoactive electron donors",
N. Tagmatarchis,
MRS Autumn Meeting, Boston, USA; November 30 - December 5, 2014 (poster).

45. "Block copolymer based nanocarriers for proteins and DNA",
S. Pispas,
1st International Congress: From drug discovery to drug delivery, Athens, Greece; November 13-15, 2014 (invited talk).

46. "Chimeric block copolymer/protein nanostructures via electrostatic self-assembly",
S. Pispas,
30th Panhellenic Conference on Solid Phase Physics and Materials Science, Heraklion, Crete, Greece; September 21-24, 2014 (invited talk).

47. “Thermal analysis and calorimetry in the study of polymeric nanosystems”,
S. Pispas,
6th Panhellenic Conference on Thermal Analysis and Calorimetry, Larissa, Greece; September 26-28, 2014 (invited talk).

48. “Block copolymer / protein chimeric nanostructures in solutions”,
S. Pispas,
10th Hellenic Polymer Society Conference, Patras, Greece; December 4-6, 2014 (invited talk).

49. “Complexation of lysozyme with triblock polyelectrolyte micelles with different coronal structure”,
M. Karayianni, A. Papagiannopoulos, and S. Pispas*,
78th PMM Frontiers of Polymer Colloids: From Synthesis to Macro-Scale and Nano-Scale Applications, Prague, Czech Republic; July 20-24, 2014 (oral).

50. “PnBA-b-PAA/lysozyme complexes studied by light scattering”,
A Papagiannopoulos*, A. Meristoudi, and S. Pispas,
Strategic pipeline planning: from sample preparation to 3D structure determination with bio SAXS and other biophysical techniques, Athens, Greece; April 5-10, 2014 (poster selected for oral presentation).

51. “Light scattering study of PnBA-b-PAA/lysozyme complexes”,
A. Papagiannopoulos*, A. Meristoudi, and S. Pispas,
2nd International Conference on Bio-based Polymers and Composites, Visegrad, Hungary; August 24-28, 2014 (oral).

52. “Isothermal titration calorimetry studies on block polyelectrolyte complexes with proteins and surfactants”,
A. Meristoudi, M. Uchman, and S. Pispas*,
6th Panhellenic Conference on Thermal Analysis and Calorimetry, Larissa, Greece; September 26-28, 2014 (poster).

53. “Construction of virus-like nano-assemblies by interacting peripherally functionalized block copolymer micelles with proteins”,
A. Meristoudi* and S. Pispas,
2nd International Conference on Bioinspired and Biobased Chemistry and Materials, Nice, France; October 15-17, 2014 (oral).

54. “Responsive nanoassemblies as protein nanocarriers”,
A. Meristoudi* and S. Pispas,
10th Hellenic Polymer Society Conference, Patras, Greece; December 4-6, 2014 (poster).

55. “Temperature-dependent drug release from DPPC:PNIPAM chimeric liposomes”,
N. Pippa*, A. Meristoudi, N. Naziris, C. Demetzos, and S. Pispas,
10th Hellenic Polymer Society Conference, Patras, Greece; December 4-6, 2014 (poster).

56. “Kinetic Study of the Temperature Response of PEO-b-PNIPAM-b-PAA Triblock Terpolymer Aggregates and their Complexes with Lysozyme”,
A. Papagiannopoulos*, A. Meristoudi, K. Hong, and S. Pispas,
10th Hellenic Polymer Society Conference, Patras, Greece; December 4-6, 2014 (poster).

57. “In and ex situ adsorption studies of lysozyme onto polyelectrolyte amphiphilic block copolymer layers”,
M. Karayianni*, G.D. Chryssikos, V. Gionis, and S. Pispas,
10th Hellenic Polymer Society Conference, Patras, Greece; December 4-6, 2014 (poster).

58. “Surface plasmon resonance study of interactions of lysozyme with adsorded diblock polyelectrolyte micelles”,
A. Papagiannopoulos*, A. Christoulaki, N. Spiliopoulos, C. Toprakcioglu, S. Pispas, and A. Vradis,
20th International Symposium on Surfactants in Solution (SIS 2014), Coimbra, Portugal; June 22-27, 2014 (oral).

59. “Lysozyme complexation with block polyelectrolyte micellar nanoparticles probed by small angle neutron scattering”,
A. Papagiannopoulos*, A. Meristoudi, S. Pispas, and A. Radulescu,
1st International Conference: From Drug Discovery to Drug Delivery, Athens, Greece; November 13-15, 2014 (poster and oral presentation after selection for Best Poster Award).

60. “Adsorption of PtBS-b-SCPI block polyelectrolyte micelles and their interactions with lysozyme at the silver/water interface”,
A. Papagiannopoulos*, A. Christoulaki, N. Spiliopoulos, A. Vradis, C. Toprakcioglu, and S. Pispas,
10th Hellenic Polymer Society Conference, Patras, Greece; December 4-6, 2014 (oral).

61. “Chimeric biocompatible block copolymer/lipid nanostructures as drug nanocarriers: from bio-inspiration to in vitro evaluation”,
N. Pippa*, S. Pispas, and C. Demetzos,
1st International Congress: from drug discovery to drug delivery, Athens, Greece; November 13-15, 2014 (poster).

62. “Bio-inspired chimeric Drug Delivery nano Systems (chi-DDnSs): their fractal hologram and regulatory aspects”,
N. Pippa*, S. Pispas, and C. Demetzos,
1st World Congress on Geriatrics and Neurodegenerative Disease Research, Corfu, Greece; April 10-13, 2014 (oral).

63. “The thermotropic behavior of chimeric DPPC:PAMAM G-4 liposomes: their fractal morphology and drug encapsulation”,
N. Pippa*, S. Pispas, and C. Demetzos,
1st International Congress: from drug discovery to drug delivery, Athens, Greece; November13-15, 2014 (poster).

64. “Design and development of amphotericin B-loaded amphiphilic block copolymer vectors”,
N. Pippa*, M. Mariaki, S. Pispas, and C. Demetzos,
1st International Congress: from drug discovery to drug delivery, Athens, Greece; November 13-15, 2014 (poster).

65. “Complexation of cationic amphiphilic block polyelectrolyte aggregates with insulin. *In vitro* release studies”,
N. Pippa*, M. Karayianni, S. Pispas, and C. Demetzos,
NN14, 11th International Conference on Nanosciences & Nanotechnologies, Thessaloniki, Greece; July 8-11, 2014 (poster).

66. “Preparation, development and *in vitro* release evaluation of amphotericin B–loaded amphiphilic block copolymer vectors”,
N. Pippa*, M. Mariaki, S. Pispas, and C. Demetzos,
NN14, 11th International Conference on Nanosciences & Nanotechnologies, Thessaloniki, Greece; July 8-11, 2014 (poster).

67. “The fractal morphology and thermal behavior of DPPC:PAMAM G4 chimeric liposomes”,
N. Pippa*, S. Pispas, and C. Demetzos,
Biodendrimer 2014, 4th International Symposium on Biomedical Applications of Dendrimers, Lugano, Switzerland; June 18-20, 2014 (poster).

68. “Development of stealth cationic amphiphilic block polyelectrolyte complexes incorporating antitumor peptide”,
N. Pippa*, S. Pispas, C. Demetzos, and G. Sivolapenko,
10th Hellenic Polymer Society Conference, Patras, Greece; December 4-6, 2014 (poster).

69 “Complexation of cationic amphiphilic block polyelectrolyte aggregates with insulin. In vitro release studies”,
N. Pippa*, S. Pispas, and C. Demetzos,
Convention of the Hellenic Society of Biomaterials, Athens, Greece; November 7-8, 2014 (oral).

70. “Preparation, development and in vitro release evaluation of amphotericin B-loaded amphiphilic block copolymer vectors”,
N. Pippa*, M. Mariaki, S. Pispas, and C. Demetzos,
Convention of the Hellenic Society of Biomaterials, Athens, Greece; November 7-8, 2014 (poster).

71. “DPPC/poly(2-methyl-2-oxazoline)-grad-poly(2-phenyl-2-oxazoline) chimeric nanostructures as drug delivery systems”,
N. Pippa*, S. Pispas, and C. Demetzos,
Convention of the Hellenic Society of Biometerials, Athens, Greece; November 7-8, 2014 (poster).

72. “The metastable phases as modulators of functionality in chimeric liposomes”,
C. Demetzos, N. Pippa*, and S. Pispas,
6th Panhellenic Conference on Thermal Analysis and Calorimetry, Larissa, Greece; September 26-28, 2014 (poster).

73. “The thermotropic behavior of DPPC:PAMAM G-4 chimeric liposomes”,
N. Pippa*, S. Pispas, and C. Demetzos,
6th Panhellenic Conference on Thermal Analysis and Calorimetry, Larissa, Greece; September 26-28, 2014 (poster).

74. “DNA complexation with methyloxazoline/phenyloxazoline/ethyleneimine copolymers”,
E. Vlassi* and S. Pispas,
9th Convention of Hellenic Society of Biomaterials, Athens, Greece; November 7-8, 2014 (oral).

75. “Novel imidazolium quaternized polymers based on PCMS and their potential as DNA nanocarriers”,
E. Vlassi* and S. Pispas,
10th Hellenic Polymer Society Conference, Patras, Greece; December 4-6, 2014 (poster).

76. “Derivatization of magnetic nanoparticles with poly(methacrylic acid)-graft-poly(ethylene glycol), and the effects of the molecular structure on drug delivery”,
Y. Sarigiannis*, A. Bakandritsos, M. Labropoulou, E. Papadimitriou, E. Voulgari, K. Avgoustakis, F. Winnefeld, A. Meristoudi, S. Pispas, R. Zboril, and J. Tucek,
International Conference on Nanotechnology in Medicine-NanoMed 2014, London, UK; February 26-28, 2014 (poster).

77. “Highly magnetoresponsive theranostics based on epitaxially condensed colloidal nanocrystal clusters”,
A. Kolokithas-Ntoukas*, G. Mountrichas, S. Pispas, K. Polakova, R. Zboril, C. Diwoky, G. Loudos, E. Fragogeorgi, and A. Bakandritsos,
International Conference on Nanotechnology in Medicine-NanoMed 2014, London, UK; February 26-28, 2014 (poster).

78. “Core-shell brush copolymers with poly(propylene oxide)-b-poly(ethylene oxide) side chains”,
C. Psylla*, K. Kyriakos, J. Zhao, S. Pispas, and C.M. Papadakis,
DPG Frühjahrstagung (Spring Meeting) of the Condensed Matter Section, Dresden, Germany; March 30-April 4, 2014 (poster).

79. “Towards effective functionalization of condensed colloidal magnetite nanocrystal clusters for imaging and drug delivery”,
Y. Sarigiannis*, A. Kolokithas-Ntoukas*, G. Mountrichas, S. Pispas, K. Polakova, G. Loudos, E. Fragogeorgi, C. Diwoky, R. Zboril, and A. Bakandritsos,
4th International Colloids Conference (poster).

80. “Self-healing polymer materials based on multifunctional furan and maleimide compounds”,
A. Meristoudi*, S. Pispas, A. Christopoulos, and G. Tsamasphyros,
10th Hellenic Polymer Society Conference, Patras, Greece; December 4-6, 2014 (poster).

81. “Synthesis and solution properties of poly(oligoethylene glycol methacrylate-b-vinyl benzyl trimethylammonium chloride)”,
G. Mountrichas* and S. Pispas,
10th Hellenic Polymer Society Conference, Patras, Greece; December 4-6, 2014 (oral).

82. “Optical nanotrapping”,
D. Kotsifaki, P. Lagoudakis, and M. Kandyla*,
2nd International Conference on Research Infrastructures, Athens, Greece; April 2-4, 2014 (video).

83. “Near-field enhanced optical nanotweezers based on laser-structured substrates”,
D. Kotsifaki, P. Lagoudakis, and M. Kandyla*,
SPIE Photonics Europe, Brussels, Belgium; April 14-17, 2014 (oral).

84. “Optical forces in nanostructure-enhanced plasmonic tweezers”,
D. Kotsifaki*, M. Kandyla, and P. Lagoudakis,
European Materials Research Society (E-MRS) 2014 Spring Meeting, Lille, France; May 26-30, 2014 (oral).

85. “Plasmonic nanotweezers based on femtosecond-laser nanostructured substrates”,
D. Kotsifaki, M. Kandyla*, and P. Lagoudakis,
30th Panhellenic Conference on Solid-State Physics and Materials Science, Heraclion, Greece; September 21-24, 2014 (oral).

86. “Integrins for targeting cell lines in vivo”,
A.L. Stefi, E. Sarantopoulou, Z. Kollia, N. Spyropoulos-Antonakakis, A.C. Cefalas*, A. Bourkoula, P.S. Petrou, S. Kakabakos, and P.N. Trohopoulos,
EUROPT(R)ODE XII Conference on Optical Chemical Sensors & Biosensors, Athens, Greece, 13-16 April, 2014 (poster).

87. “Nanothermodynamic sensors: Novel devices to probe polar-entropic competition and energy flow at the nanoscale”,
E. Sarantopoulou , K. Kalitsounaki, A. Reskou, M. Chatzichristidi, Z. Kollia, N. Spyropoulos-Antonakakis, and A.C. Cefalas*,
EUROPT(R)ODE XII Conference on Optical Chemical Sensors & Biosensors, Athens, Greece, 13-16 April, 2014 (poster).

88. “Nano-thermodynamics mediates drug delivery”,
A. Stefi*, E. Sarantopoulou, Z. Kollia, N. Spyropoulos-Antonakakis, A. Bourkoula, P. S. Petrou, S. Kakabakos, G. Soras, P.N. Trohopoulos, and A.C. Cefalas,
GeNeDis 2014 Conference, Corfu, Greece, 10-13 April, 2014 (oral).

89. “Size distribution and agglomeration studies of the CosmoPHOS – PAMAM dendrimersbased NIR PBNs on human atherosclerotic plaques and other surfaces”,
A. C. Cefalas* and E. Sarantopoulou,
4th General Assembly & 4th Workshop Agenda of CosmoPhos-nano project, Athens, Greece, 27-28 November 2014 (oral).

90. “Hybrid photonic crystal fibres and functionalized micro-nano-fibres: The role of new materials”,
G. Kakarantzas,
The Nonlinear Meeting, Edinburg, UK, May 17-22, 2014 (invited talk).

91. “Flexible glass flat-fibre chips and femtosecond laser inscription as enabling technologies for photonic devices”,
C. Riziotis*, K. Kalli, C. Markos, A. Posporis, C. Koutsides, A.S.Webb, J.K. Sahu, C. Holmes, J.C. Gates, and P.G.R. Smith,
SPIE Photonics West 2014. SPIE OPTO. Optical Components and Materials Conference XI Conference, The Moscone Center, San Francisco California, USA, February 1-6, 2014 (oral).

92. “Proteins detection by polymer optical fibers sensitised with overlayers of block or random copolymers”,
A. El Sachat, C. Markos, A. Meristoudi, S. Pispas, and C. Riziotis*,
SPIE Photonics West 2014. SPIE OPTO. Organic Photonic Materials and Devices XVI Conference, The Moscone Center, San Francisco California, USA, February 1-6, 2014 (oral).

93. “Enhanced second harmonic generation in lithium niobate hexagonal micro-resonator via total internal reflection quasi-phase-matching”,
C. Riziotis*, T.J. Sono, S. Mailis and R.W. Eason,
SPIE Photonics West 2014. SPIE LASE. Nonlinear Frequency Generation and Conversion Materials, Devices and Applications XIII Conference, The Moscone Center, San Francisco California, USA, February 1-6, 2014 (oral).

94. “Study of irradiation time and laser flux for the synthesis of photocrosslinked PEG based hydrogels”,
V. Aroni*, G. Mountrichas, S. Pispas, A. Petropoulou, C. Riziotis and D. Hatziavramidis, 3rd European Symposium of Photopolymer Science, Vienna, Austria, September 9-12, 2014 (poster).

95. “Autonomous and wireless enabled fiber optic sensors”,
C. Riziotis,
Industrial Technologies 2014 Conference and Exhibition, Smart Growth through Research and Innovation, Athens International Conference Centre Megaron, Athens, Greece, April 9-11, 2014 (poster and exhibition).

96. “Autonomous and wireless-enabled multiagent chemical and biological sensors based on polymer optical fibers”,
C. Riziotis*, L. Athanasekos, A. El Sachat, A. Meristoudi and S. Pispas,

3rd International Conference on Plastic Optical Fibers, Hiyoshi, Yokohama, Japan, October 8-10, 2014 (poster).

97. "Strain monitoring of energetic elastomeric composites by embedded plastic optical fibers",
C. Riziotis*, L. Eineder, L. Bancallari, and G. Tussiwand,
23rd International Conference on Plastic Optical Fibers, Hiyoshi, Yokohama, Japan, October 8-10, 2014 (poster).

98. "ArF excimer laser microprocessing of polymer optical fibers for customized sensors development",
L. Athanasekos, M. Vasileiadis, A. El Sachat, N.A. Vainos, and C. Riziotis*,
23rd International Conference on Plastic Optical Fibers, Hiyoshi, Yokohama, Japan, October 8-10, 2014 (oral).

9. Popular Conference Presentations

1. "Computational and theoretical physics and chemistry"
D. Tzeli,
1st Athens Science Festival, Technopolis Municipality of Athens, 30/4-4-5/2014 (invited talk).

2. "Professional career in natural sciences",
D. Tzeli,
Academic and Professional Careers in Natural Sciences: Opportunities, Challenges and the Role of Gender, ELEGYP, Department of Informatics, NKUA, 30/10/2014 (invited talk).

3. "A game with billionths of millionths of a second",
M. Kandyla,
European Researchers Night, Athens, Greece, September 26-27, 2014 (invited talk).