
Curriculum Vitae

Personal Data

Name : Eleni Efthimiadou
Date of birth : 28 December 1979
Place of birth : Larisa, Greece
Nationality : Greek
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Education

2005-2010 : Master in Catalysis and Environmental Chemistry, Department of Natural Sciences
2006-2009 : Doctor of Philosophy (Ph.D), Synthesis and characterization of complexes with medical and medicinal applications.
2004-2006 : Master in Chemistry, Department of Natural Sciences, University of Athens in Greece.
1999-2004 : Diploma in Chemistry, Department of Natural Sciences, University of Athens in Greece.
1998 : Higher school certificate (2nd High School of Farsala, Larisa, Greece).

Scholarships

2006 : Scholarship from the Institute of Physical Chemistry of the NCSR "Demokritos" for postgraduate studies (PhD thesis).

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Research Experience

- 1-3-04 to 30-6-04:** Research in Paramagnetic Organometallic Compounds of Rare Earth Elements and study of these compound in health, Program Frame: "E-1094"
- 2007 -2009** : Research in MRI Contrast Agents, Program Frame: «PEP Attikis, 1.2, Action 1.2.1».
- 2007-2009** : Research in Drug Delivery Systems, "Nanoscale Functionalities for Targeted Delivery of Biopharmaceutics", 'NMP' INTEGRATED PROJECT, Contract No NMP4-CT-2006-026723. European Union Program Frame.
- 2009-2013** : ERC- Advanced grand. Research in Nanobiophrmaceutics, "IDEAS – NANOTHERAPY". A novel nano-container drug carrier for targeted treatment of prostate cancer.
- 2003-2015** : ERC-Proof of Concept. Research in Nanobiophrmaceutics, "IDEAS – NANOTHERAPY". A novel nano-container drug carrier for targeted treatment of prostate cancer.

Teaching Experience

- 2012- 2013** : Seminar in the Master class of the National Technical University of Athens, School of Chemical Engineering, of Material Science and Engineering Section.
- 2004-2009** : University of Athens, Chemistry Department, laboratory assistant.
- 2004-2009** : Sivitanidios School in the domain of technical in medicals, cosmetics and similar products.

Publications – Conference participation

- Number of Publications in peer-reviewed journals (February 2014): 39
- Non self-citations (March 2015): 1003 (ISI, Scopus)
- h-index (February 2015): 18
- Number of presentations in national and international conferences: 33
- Number of oral presentations to international conferences: 9

Journal Reviewer

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- Journal of Nanoparticle research
- European journal of Medicinal Chemistry
- Materials Science and Engineering C
- Journal of Surfaces and Interfaces B: Biointerfaces

Awards

1. *Crystal structure, spectroscopic, and biological study of the copper(II) complex with third-generation quinolone antibiotic sparfloxacin* was awarded as **the most cited paper** in the 2006-2009 period of the Journal of Bioorganic and Medicinal Chemistry Letters .
2. The work on the MRI contrast agents gains the second award at the Conference of Medicinal Chemistry as promising derivatives for MRI application.
Second place Award for better poster presented at *The 9th Conference of Medicinal Chemistry: Drug Discovery and Design. March 26-28, 2008. University of Patras, Patras, Greece. «New Contrast Agents for Magnetic Resonance Imaging Targeting Cancer Cells».*
3. The work Smart Nanoparticles as new Drug Delivery Systems: Bioapplications, was selected as the **first awarded** presentation in the International conference: from nanoparticles and nanomaterials to nanodevices and nanosystems. Crete, Greece, 26-29 June, IC4N 2011.

Publications in peer-reviewed journal

(Notation: [†]corresponding author; [§]co-corresponding authors)

Selected recent publications and impact factors

1. A Novel Copper(II) Complex of N-propyl-norfloxacin and 1,10-phenanthroline with enhanced Antileukemic and DNA nuclease activities. Katsarou M.E., Efthimiadou E.K., Psomas G.L and Vourloumis* D. Journal of Medicinal Chemistry, **2008**, 51(3). 470-478. [Citations: 31].
2. Metal complexes of the third-generation quinolone antimicrobial drug sparfloxacin: Structure and biological evaluation". Journal of Inorganic Biochemistry, E. K. Efthimiadou*, A. Karaliota , G. Psomas, J. Inorg. Biochem, **2010**, 104, (4), pp. 455-466. [Citations: 44].
3. Sacrificial Template-Directed Fabrication of Superparamagnetic Polymer Microcontainers for pH-Activated Controlled Release of Daunorubicin. Chatzipavlidis A., Bilalis P., Efthimiadou E.K., Boukos N., and Kordas G. Langmuir, **2011**, 27 (13) pp. 8478–8485, [Citations: 18].
4. Novel PLA modification of organic microcontainers based on ring opening polymerization: Synthesis, characterization, biocompatibility and drug loading/release properties, Efthimiadou[§], E.K., Tziveleka, L.-A., Bilalis, P.,

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- Kordas*, G. International Journal of Pharmaceutics, **2012**, 428 (1-2) , pp. 134-142, [Citations: 19].
5. New approach in synthesis, characterization and release study of pH-sensitive polymeric micelles, based on PLA-Lys-*b*-PEGm, conjugated with doxorubicin. §Efthimiadou, E.K., Tapeinos, C., Bilalis, P., Kordas*, G. Journal of Nanoparticle Research **2011**, 13 (12) , pp. 6725-6736. [Citations: 11].
 6. Polysaccharides as Source of Advanced Materials: Cellulose Hollow Microspheres for drug delivery in cancer therapy, Metaxa A.-F., §Efthimiadou E.K., Boukos N., Kordas* G. Journal of Colloid and Interface Science **2012**, 384 (1), 198-206. [Citations: 11].
 7. Microspheres as therapeutic delivery agents: Synthesis and Biological evaluation of pH responsiveness. Tapeinos C., Efthimiadou* E.K., Boukos N., Koklioti A., Charitidis C., Kordas* G. Journal of Materials Chemistry B. **2013**, 1 (2), 194-203. [Citations: 6].
 8. Thermodynamic and structural destabilization of apolipoprotein E3 by hereditary mutations associated with the development of Lipoprotein Glomerulopathy, Georgiadou D, Stamatakis K, Efthimiadou E.K., Kordas G., Gantz D., Chroni A, Stratikos S. Journal of Lipid Research, **2013**, 54 (1) , 164-176. [Citations: 0],
 9. Comparative study of LbL and crosslinked pH sensitive PEGylated LbL microspheres: Synthesis, characterization and biological evaluation, Kainourgios, P., Efthimiadou*E.K., Tziveleka, L.-A., Pappas, G.S., Boukos, N., Kordas, G. Colloids and Surfaces B: Biointerfaces 104, **2013**, pp. 91-98. [Citations: 5],
 10. Dynamic *in vivo* imaging of dual-triggered microspheres for sustained release applications: Synthesis, characterization and cytotoxicity study. Efthimiadou, E.K., Tapeinos, C., Chatzipavlidis, A., Boukos, N. , Fragozeorgi, E., Palamaris, L., Loudos, G., Kordas, G. International Journal of Pharmaceutics Volume 461, Issue 1-2, **2014**, pp. 54-63. [Citations: 0]
 11. pH- and Thermo- Responsive Microcontainers as Potential Drug Delivery Systems: Morphological characteristic, Release and Cytotoxicity Studies. Efthimiadou, E.K., Tapeinos, C., Tziveleka, L.-A., Boukos, N., G., Kordas, G. Materials Science and Engineering C, **2014**, 37 (1) pp. 271 – 277. [Citations: 0]
 12. A new approach for the one-step synthesis of bioactive PS vs. PMMA silica hybrid microspheres as potential drug delivery systems. Angelopoulou, A., Efthimiadou, E.K., Boukos, N., Kordas, G., Colloids and Surfaces B: Biointerfaces. **2014**, Volume 117, pp. 322-329. [Citations: 1]
 13. Extending the electron spin coherence time of atomic hydrogen by dynamical decoupling. Mitrikas, G., Efthimiadou, E.K., Kordas, G. Physical Chemistry Chemical Physics, **2014**, 16 (6), pp. 2378 – 2383. [Citations: 0]
 14. A new approach to fabricate bioactive silica binary and ternary hybrid microspheres. A. Angelopoulou, E. Efthimiadou, G. Kordas, G. Materials Science and Engineering C, [doi:10.1016/j.msec.2015.04.014](https://doi.org/10.1016/j.msec.2015.04.014), **2015**, in press.

Total number of Papers : 39

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• *Invited presentations to peer-reviewed, internationally established conferences*

- *Paramagnetism in Drug Delivery Systems: Bioapplications*. 4th North America-Greece-Cyprus Workshop on Paramagnetic Materials, 14-18 June **2011**, Patras, Greece. (15 min)
- Smart Nanoparticles as new Drug Delivery Systems: Bioapplications, IC4N, 26-29 June, **2011**, Crete, Greece.
- *Multi responsive targeting microcontainers as drug delivery systems: Release and cytotoxicity studies*. Nano 2012 XI International Conference on Nanostructured Materials, 26-31 August **2012**, Rhodes, Greece.
- In-vitro release study and dynamic in-vivo imaging of pH- and Magnetic field sensitive hybrid microspheres. Eleni Efthimiadou, NCSR Demokritos, Greece. International Conference on Nanotheranostics (ICoN 2013), 27-29 September, **2013**, Cyprus.

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