
Βιογραφικό Σημείωμα

Προσωπικά Στοιχεία

Όνοματεπώνυμο : Eleni Efthimiadou
Ημερομηνία Γέννησης: 28 December 1979
Τόπος Γέννησης : Λάρισα, Ελλάδα
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Εκπαίδευση

2005-2010 : Μεταπτυχιακή Εργασία στον τομέα της Κατάλυσης και περιβαλλοντικής Χημείας, Ελληνικό Ανοικτό Παν/μιο
2006-2009 : Διδακτορικό (Ph.D), Σύνθεση και χαρακτηρισμός φαρμακευτικών συμπλόκων και ιατρικών εφαρμογών.
2004-2006 : Μεταπτυχιακό στη Χημεία, Παν/μιο Αθηνών
1999-2004 : Πτυχίο στη Χημεία, Παν/μιο Αθηνών
1998 : Βασική εκπαίδευση (2^ο Γενικό Λύκειο Φαρσάλων), Λάρισα.

Υποτροφίες

2006 : Υποτροφία απο το NCSR "Demokritos" για τη διδακτορική διατριβή (PhD thesis).

Ερευνητική Προπαιρέσια

- 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 Nanobiopharmaceutics, "IDEAS – NANOTHERAPY". A novel nano-container drug carrier for targeted treatment of prostate cancer.
- 2003-2015** : ERC-Proof of Concept. Research in Nanobiopharmaceutics, "IDEAS – NANOTHERAPY". A novel nano-container drug carrier for targeted treatment of prostate cancer.

Εκπαιδευτική Εμπειρία

- 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.

Δημοσιεύσεις Συμμετοχή σε Συνέδρια

- Number of Publications in peer-reviewed journals (Απριλ2015): 39
- Non self-citations (March 2015): 1003 (ISI, Scopus)
- h-index (February 2015): 18
- Number of presentations in national and international conferences: 34
- Number of oral presentations to international conferences: 10

Βραβεία

1. *Crystal structure, spectroscopic, and biological study of the copper(II) complex with third-generation quinolone antibiotic sparfloxacin* βραβεύτηκε ως την περισσότερη αναφερόμενη δημοσίευση για τα έτη 2006-2009 στο περιοδικό *Journal of Bioorganic and Medicinal Chemistry Letters*.
2. Δεύτερο Βραβείο για την καλύτερη έντυπη στο 9^ο Συνέδριο Φαρμακευτικής Χημείας *Drug Discovery and Design*. Μάρτιος 26-28, 2008. Παν/μιο Πάτρας. «*New Contrast Agents for Magnetic Resonance Imaging Targeting Cancer Cells*».
3. Πρώτο Βραβείο για την καλύτερη αναρτημένη ανακοίνωση με τίτλο «*Smart Nanoparticles as new Drug Delivery Systems: Bioapplications*», Διεθνές Συνέδριο: from nanoparticles and nanomaterials to nanodevices and nanosystems. Κρήτη, Ελλάδα, 26-29 Ιουνίου, IC4N 2011.

Δημοσιεύσεις

(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., 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, Kainourgiou, 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. , Fragoageorgi, 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 : 40

h-Index: 18

Προσκεκλειμένες Ομιλίες

- *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.