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EMPLOYMENT

2015 – today: Professor in University of Patras, Department of Pharmacy,

2015 – today: Affiliated Investigator in Biomedical Research Foundation, Academy of Athens, Greece,

2008 – 2015: Associate Professor in University of Patras, Department of Pharmacy, Pharmaceutics Lab., Rio 26 500, Patras, Greece

2000 - 2008: Assistant Professor in University of Patras, Department of Pharmacy, Pharmaceutics Lab., Rio 26 500, Patras, Greece

1994-2000: Lecturer in the Department of Pharmacy, University of Patras.

1993-1994 : Research assistant in Institute of Radioisotopes and Radiodiagnostic Products, NCSR "Demokritos", Athens, Greece

EDUCATION

1985: BSc in Pharmacy, University of Thessaloniki

1991: Ph.D. in Pharmaceutics/Quality Control of Drugs, University of Thessaloniki

1992: Ph.D. in Pharmaceutics, London University

SCHOLARSHIPS

- University of Thessaloniki (for postgraduate studies, 1986-1989)
- Greek State Scholarships Foundation (for PhD studies abroad, 1989-1992)

AFFILIATIONS

- European Society for Nanomedicine
- Controlled Release Society (CRS)

FIELD OF EXPERTISE

- Pharmaceutics and Biopharmaceutics
- Pharmaceutical Nanotechnology

TEACHING ACTIVITIES

Undergraduate Program (Department of Pharmacy)

- Pharmaceutical Technology I (Industrial Pharmacy)
- Pharmaceutical Technology II (Drug Delivery Systems)
- Chemistry and Technology of Cosmetics

Postgraduate Program (Department of Pharmacy)

- Controlled Drug Delivery Systems-Pharmaceutical Nanotechnology
- Advanced Pharmaceutical Technology
- Basic Pharmaceutical Statistics

POST- GRADUATE STUDENTS SUPERVISION

- 5 Ph.D. and 18 M.Sci. (masters) degrees concluded so far in the subject of controlled drug delivery and pharmaceutical nanotechnology.

EDITORIAL ACTIVITIES:

1. **Assistant Editor for Current Nanoscience** (Bentham Science Publishers).
2. Editorial Board Member for **Current Nanoscience** (Bentham Science Publishers).
3. Editorial Board Member for **Journal of Excipients and Food Chemicals** (Published by International Pharmaceutical Excipients Council)

Guest Editing

- Guest Editor of special issue of Journal *European Journal of Pharmaceutics and Biopharmaceutics* (Elsevier) on “Engineered polymers and polymeric systems in controlled drug delivery and targeting”, 2009

OTHER SCIENTIFIC ACTIVITIES

- Assessor of files for medicines for human use for the Greek National Medicines Organization (EOF) and EMA
- EMA expert (The European Medicines Agency (EMA) maintains a public list containing details on selected European experts who can be involved in the Agency's work in the context of the authorisation, supervision and maintenance of medicinal products for human or veterinary use)

RESEARCH INTERESTS

- Targeted delivery of anticancer drugs based on i) biodegradable, polymeric, long-circulating (“stealth”) nanoparticles and ii) magnetic hybrid organic-inorganic nanoparticles,
- Development of novel prophylactic or therapeutic vaccines based on biodegradable and biocompatible, polymeric nano- and micro-particles,
- Development of formulations for the efficient delivery of drugs with limited aqueous solubility

RESEARCH GRANTS (2010-)

- Project NANOBILON 09ΣYN-41-659: “Development of novel ixabepilone nanocarriers and study of their potential in breast cancer treatment” (**Principal Investigator**, Project financed by Greek Secretariat for Research and Technology, budget 1 ME, period 2010-2013)
- Project MIS 380212 “Development of Multi-Functional Magnetic Nanoparticles for Targeted Delivery of Anticancer Drugs” (**Principal Investigator**, Project financed by Greek Secretariat for Research and Technology, budget 600 KE, period 2012-2014)
- Greek-Czech bilateral project 11CZ_026_EPAN2 “Hybrid Magnetic “Stealth” Nano-Structures for the Targeted and Controlled Release of Doxorubicin” (**Principal Investigator**, Project financed by General Secretariat for Research and Technology (GSRT), budget of Greek partner 15 KE, period 2012-2013).
- Post-doctoral fellowship **supervisor** for the project “Combination treatment of hypoxic cancer tumors using radiation and targeting glucose transfer inhibitors” (Fellow Dr. Athina Angelopoulou) National State Scholarships Foundation (IKY) Fellowships of Excellence for Postgraduate Studies in Greece, budget 12KE, period 2015-2016.
- Project EATRIS-GR: Infrastructure for Preclinical and Early-Phase Clinical Development of Drugs, Therapeutics and BioMedical Devices, funding from the “Greek National Program for Research Infrastructures” of the General Secretariat for Research & Technology (GSRT) (**Coordinator for University of Patras**, budget 500 KE, period 2018-2020).
- Project MIS 5025034 “Folic acid-functionalized, structurally-condensed magnetic nanoparticles of doxorubicin for targeted treatment of tumors overexpressing the folate receptor” funded by Greek State and European Social Fund in the context of National Program for Regional Development (**Principal Investigator**, budget 63 KE, period 2018-2020).

PUBLICATIONS/PRESENTATIONS

1. Peer-reviewed journals: 68
2. Biomedical Encyclopedia: 1
3. International Scientific Conferences: 50
4. Greek Scientific Conferences: 31
5. Patents: 2 (European)

Citations (Scopus): over 2500 non-self citations, h-index 25.

PUBLICATIONS (Peer-reviewed journals)

1. Avgoustakis, K. and Nixon, J.R., **Biodegradable controlled release tablets: 1. Preparative variables affecting the properties of poly(lactide-co-glycolide) copolymer as matrix forming material** . Int. J. Pharm., 79 (1991) 77-85.
2. Avgoustakis, K. and Niopas, I., **“Dissolution and bioavailability evaluation of three brands of paracetamol tablets** ”. Epitheorese klinikes Farmacologias Farmakokinetikes, International Edition, 5 (1991) 58-61.
3. Avgoustakis, K., Athanasiou, A. and Georgakopoulos, P.P., **“Effect of helix characteristics on the dissolution rate of hard gelatin capsules** . Int. J. Pharm., 79 (1992) 67-69.
4. Malamataris, S., Goidas, P. and Avgoustakis, K., **“Comparative evaluation of soy polysaccharide as direct compression excipient** ”. Drug Dev. Ind. Pharm., 18 (1992) 1575-1587.
5. Avgoustakis, K. and Nixon, J.R., **Biodegradable controlled release tablets: II. Preparation and properties of poly(lactide-co-glycolide) powders** . Int. J. Pharm., 99 (1993) 239-246.
6. Avgoustakis, K. and Nixon, J.R., **Biodegradable controlled release tablets: III. Effect of polymer characteristics on drug release from heterogeneous poly(lactide-co-glycolide) matrices** . Int. J. Pharm., 99 (1993) 247-252.
7. Panagi, Z., Sawas-Dimopoulou, C., Avgoustakis, K. and Ithakissios, D.S., **Application of ^{99m}Tc-labeling for comparative screening of Preformed liposomes In Vivo** . Drug. Dev. Ind. Pharm. 22 (1996) 217-224.
8. Z. Panagi, K. Avgoustakis, G. Evangelatos and D.S. Ithakissios. **Protein induced CF release kinetics from liposomes in vitro and its correlation with the BLOOD/RES biodistribution of liposomes** . Int. J. Pharm., 163 (1998) 103-114.

9. Z. Panagi, K. Avgoustakis, G. Evangelatos and D.S. Ithakissios. **In vitro binding of HSA, IgG and HDL on liposomes and its correlation with the in vivo BLOOD/RES ratio of liposomes** . Int. J. Pharm., 176(1999) 203-207.
10. A. Beletsi, L. Leontiadis, P. Klepetsanis, D. S. Ithakissios and K. Avgoustakis. **Effect of preparative variables on the properties of PLGA-mPEG copolymers related to their application in controlled drug delivery** . Int. J. Pharm., 182(1999) 187-197.
11. Z. Panagi., A. Beletsi, G. Evangelatos, E. Livaniou, D. S. Ithakissios, and K. Avgoustakis. **Effect of dose on the biodistribution and pharmacokinetics of PLGA and PLGA-mPEG nanoparticles** . Int. J. Pharm., 221(2001) 143-152.
12. V. Koutrafouris, L. Leontiadis, K. Avgoustakis, E. Livaniou, J. Czarnecki, D.S. Ithakissios and G.P. Evangelatos, **Effect of thymosin peptides on the chick chorioallantoic membrane angiogenesis model** , Biochim Biophys Acta, 1568(2001) 60-66.
13. K. Avgoustakis, A. Beletsi, Z. Panagi, P. Klepetsanis, A.G. Karydas, and D.S. Ithakissios, **PLGA-mPEG nanoparticles of cisplatin: in vitro nanoparticle degradation, in vitro drug release and in vivo drug residence in blood properties** , J Control Release, 79(2002) 123-135.
14. V. Koutrafouris, L. Leontiadis, N. Ferderigos, K. Avgoustakis, E. Livaniou, G. P. Evangelatos and D.S. Ithakissios, **Synthesis and angiogenetic activity in the chick chorioallantoic membrane model of thymosin beta 15** , Peptides 24 (2003) 107-115.
15. K. Avgoustakis, A. Beletsi, Z. Panagi, P. Klepetsanis, E. Livaniou, G. Evangelatos and D. S. Ithakissios, **Effect of copolymer composition on the physicochemical characteristics, in vitro stability, and biodistribution of PLGA-mPEG nanoparticles** . Int. J. Pharm., 259 (2003) 115-127.
16. N. Charalampopoulos, K. Avgoustakis, C. Kontoyannis, **Differential pulse polarography: A suitable technique for monitoring drug release from polymeric nanoparticle dispersions.** Analytica Chimica Acta, 491 (2003) 57-62.
17. N. Stivaktakis, K. Nikou, Z. Panagi, A. Beletsi, L. Leontiadis, K. Avgoustakis, **PLA and PLGA microspheres of β -galactosidase: Effect of formulation factors on protein antigenicity and immunogenicity** , J. Biomed. Mater. Res. A., 70 (2004) 139-148.
18. K. Avgoustakis, Pegylated Poly(Lactide) and Poly(lactide-co-glycolide) **Nanoparticles: Preparation, Properties and Possible Applications in Drug Delivery, Current Drug Delivery** , 1 (2004) 321-333.

19. N. Stivaktakis, K. Nikou, Z. Panagi, A. Beletsi, L. Leondiadis, K. Avgoustakis, **Immune responses in mice of β -galactosidase adsorbed or encapsulated in PLA and PLGA microspheres**, J. Biomed. Mater. Res. A., 73 (2005) 332-338.
20. A. Beletsi, Z. Panagi and K. Avgoustakis, "**Biodistribution properties of nanoparticles based on mixtures of PLGA with PLGA-PEG diblock copolymers**" Int. J. Pharm., 298 (2005) 233-241.
21. E. Pierri, K. Avgoustakis, '**Poly(lactide)-poly(ethylene glycol) micelles as a carrier for griseofulvin**', J. Biomed. Mater. Res. A., 75 (2005) 639-647.
22. K. Nikou, N. Stivaktakis, K. Avgoustakis, P. A. Sotiropoulou, S. A. Perez, C.N. Baxevanis, M. Papamichail, L. Leondiadis, "**A HER-2/neu peptide admixed with PLA microspheres induces a Th1 biased immune response in mice**" Biochim Biophys Acta, 1725 (2005) 182-189.
23. G. Katsikogianni, K. Avgoustakis, '**PLGA-mPEG nanoparticles: Drug loading and release properties**', J. Nanoscience Nanotechnology, 6 (2006) 3080-3086.
24. E. C. Gryparis, G. Mattheolampakis, D. Bikiaris, K. Avgoustakis, "**Effect of Conditions of Preparation on the Size and Encapsulation Properties of PLGA-mPEG Nanoparticles of Cisplatin**" Drug Delivery, 14 (2007) 371-380.
25. E. C. Gryparis, M. Hatziapostolou, E. Papadimitriou, K. Avgoustakis, "**Anticancer activity of cisplatin-loaded PLGA-mPEG nanoparticles on LNCaP prostate cancer cells**" E.J. Pharm. Biopharm., 67 (2007):1-8.
26. E. Karavas, E. Georganakis, M. P. Sigalas, V. I. Teberekidis, K. Avgoustakis, D. Bikiaris, "**Investigation of the release mechanism of a sparingly water-soluble drug from solid dispersions in hydrophilic carriers based on physical state of drug, particle size distribution and drug-polymer interactions**" E.J. Pharm. Biopharm., 66 (2007) 334-347.
27. M. Efentakis, I. Pagoni, M. Vlachou, K. Avgoustakis, "**Dimensional changes, gel layer evolution and drug release studies in hydrophilic matrices loaded with drugs of different solubility**" Int. J. Pharm. 339 (2007) 66-75.
28. Sofia Papadimitriou, Dimitrios Bikiaris, Konstantinos Avgoustakis. "**Microwave-induced enhancement of dissolution rate of the poorly water-soluble Tibolone from solid dispersions**" J. Appl. Polymer Sci., 108 (2008) 1249-1258.
29. Sofia Papadimitriou, Dimitrios Bikiaris, Konstantinos Avgoustakis, Evangelos Karavas,

- Manolis Georarakis, “ **Chitosan nanoparticles loaded with dorzolamide and pramipexole** ”, Carbohydrate Polymers 73(2008) 44-54.
30. A Beletsi, P. Klepetsanis, D.S. Ithakissios, S. Kounias, A. Stavropoulos and K. Avgoustakis, “ **Simultaneous optimization of cisplatin-loaded PLGA-mPEG nanoparticles with regard to their size and drug encapsulation** ”, Current Nanoscience 4 (2008) 173-178.
31. George Mattheolabakis, Zoi Panagi, Era Taoufik, Michael Roberts, Konstantinos Avgoustakis, “ **In vivo investigation of toxicity and antitumor activity of cisplatin-loaded PLGA-mPEG nanoparticles** ” E.J. Pharm. Biopharm., 71, 2009, 190-195).
32. Dimitrios N. Bikiaris, George Z. Papageorgiou, Sofia A. Papadimitriou, Evangelos Karavas, Konstantinos Avgoustakis, “ **Novel biodegradable polyester poly(propylene succinate): Synthesis and application in the preparation of solid dispersions and nanoparticles of a water soluble drug** ”, AAPS PharmSciTech., 10, 2009, 138-145.
33. K. Avgoustakis, “**Engineered polymers and polymeric systems in controlled drug delivery and targeting** ” E.J. Pharm. Biopharm., 71, 2009, 407-408.
34. George Mattheolabakis, George Lagoumintzis, Zoi Panagi, Evangelia Papadimitriou, Charalambos D. Partidos, Konstantinos Avgoustakis, “ **Immune stimulation after transcutaneous delivery with antigen-loaded PLA nanoparticles** ” Int. J. of Pharm., 385, 2010, 187-193.
35. Aristides Bakandritsos, George Mattheolabakis, Radek Zboril, Nikolaos Bouropoulos, Dimitrios Fatouros, Jiri Tucek, Konstantinos Avgoustakis, “ **Preparation, Stability and Cytocompatibility of Magnetic/PLA-PEG Hybrids** ”, Nanoscale, 2010, 2, 564–572.
36. Konstantinos P. Koutroumanis, Konstantinos Avgoustakis, Dimitrios Bikiaris, “**Synthesis of crosslinked N-(2-carboxybenzyl)chitosan pH sensitive polyelectrolyte and its use for drug controlled delivery** ”, Carbohydrate Polymers, 82, 2010, 181-188.
37. Blatsios G, Tzimas A, George Mattheolabakis, Zoi Panagi, Konstantinos Avgoustakis, Gartaganis SP, “ **Development of biodegradable controlled release scleral systems of Triamcinolone acetonide** ”, Current Eye Research, 35, 2010, 916-924.
38. A.A. Vassiliou, S. A. Papadimitriou, D. N. Bikiaris, G. Mattheolabakis and K. Avgoustakis, “ **Facile synthesis of polyester-PEG triblock copolymers and preparation of amphiphilic nanoparticles as drug carriers** ”, J. Control. Rel., 148 , 2010, 388-395.
39. Dimitra Hadjipavlou-Litina, George E. Magoulas, Stavros E. Bariamis, Denis Drinas, Konstantinos Avgoustakis, Dionissios Papaioannou, “ **Does conjugation of antioxidants improve their antioxidative/anti-inflammatory potential?** ”

, Bioorganic & Medicinal Chemistry 18, 2010, 8204-8217.

40. Spiridoula Kyriakopoulou, George Mattheolabakis, Sofia Papadimitriou, Evangelos Karavas, Dimitrios Bikiaris, Konstantinos Avgoustakis, “ **PPSu-PEG copolymers and their application in the preparation of cisplatin-loaded nanoparticles** ”, Current Nanoscience, 7, 2011, 503-509.

41. Aristides Bakandritsos, George Mattheolabakis, George Chatzikyriakos, Tamas Szabo, Vasilis Tzitzios, Dimitris Kouzoudis, Stelios Couris, Konstantinos Avgoustakis, “ **Doxorubicin Nanocarriers Based on Magnetic Colloids with a bio-Polyelectrolyte Corona and High non-linear Optical Response: Synthesis, Characterization and Properties** ”, Advanced Functional Materials, 21, 2011, 1465-1475.

42. Zacharoula Iatridi, George Mattheolabakis, Konstantinos Avgoustakis, and Constantinos Tsitsilianis, “ **Self-assembly and drug delivery studies of pH/thermo-sensitive polyampholytic (A-co-B)-b-C-b-(A-co-B) segmented terpolymers** ”, Soft Matter, 2011, 7, 11160-11168.

43. Mingguang Li, Zoi Panagi, Konstantinos Avgoustakis, Joshua Reineke, “ **Physiological y Based Pharmacokinetic modeling of PLGA Nanoparticles with varied mPEG content** ”, Int. J. Nanosc., 2012, 7, 1345-56.

44. Aristides Bakandritsos, Aristeidis Papagiannopoulos, Eleni N. Anagnostou, Konstantinos Avgoustakis, Radek Zboril, Stergios Pispas, Jiri Tucek, Vasyi Ryukhtin, Nikolaos Bouropoulos, Argiris Kolokithas-Ntoukas, Theodore A. Steriotis, “ **Uwe Keiderling and Frank Winnefeld, Merging High Doxorubicin Loading with Pronounced Magnetic Response and Bio-repellent Properties in Hybrid Drug Nanocarriers** ”, Small, 8 (2012) 2381-2393.

45. G.E. Magoulas, T. Garnelis, C.M. Garnelis, C.M. Athanassopoulos, D. Papaioannou, G. Mattheolabakis, K. Avgoustakis, D. Hatzipavlou-Litina, “ **Synthesis and antioxidative/anti-inflammatory activity of novel fullerene-polyamine conjugates, Tetrahedron** ”, 68 (2012) 7041-7049.

46. Bariamis, S.E., Marin, M., Athanassopoulos, C.M., Kontogiorgis, C., Tsimali, Z., Papaioannou, D., Sindona, G., Romeo, G., Avgoustakis, K., Hadjipavlou-Litina, D. “ **Syntheses and evaluation of the antioxidant activity of novel methoxypsoralen derivatives** ”, European Journal of Medicinal Chemistry 60 (2013) 155-169.

47. Dimitra Hadjipavlou-Litina, George E. Magoulas, Stavros E. Bariamis, Zinovia Tsimali, Konstantinos Avgoustakis, Christos A. Kontogiorgis, Constantinos M. Athanassopoulos, Dionissios Papaioannou, “ **Synthesis and evaluation of the antioxidative potential of minoxidil-polyamine conjugates** ”, Biochimie 95 (2013) 1437-1449.

48. Athanassios Giarmoukakis, Georgios Labiris, Haris Sideroudi, Zinovia Tsimali,

Nefeli Koutsospyrou, Konstantinos Avgoustakis, Vassilios Kozobolis, **Biodegradable nanoparticles for controlled subconjunctival delivery of latanoprost acid: In vitro and in vivo evaluation. Preliminary results**

, Experimental Eye Research 112 (2013) 29-36.

49. Giorgio Zoppellaro, Argiris Kolokithas-Ntoukas, Katerina Polakova, Jiri Tucek, Radek Zboril, George Loudos, Eirini Fragogeorgi, Clemens Diwoy, Katerina Tomankova, Konstantinos Avgoustakis, Dimitris Kouzoudis, and Aristides Bakandritsos, **Theranostics of Epitaxially Condensed Colloidal Nanocrystal Clusters through a Soft Biomineralization Route**

, Chemistry of Materials 26 (2014) 2062-2074.

50. Vassilios Karavelidis, Dimitrios Bikiaris, Konstantinos Avgoustakis, **New thermosensitive nanoparticles prepared by biocompatible pegylated aliphatic polyester block copolymers for local cancer treatment**

, Journal of Pharmacy and Pharmacology, 67 (2015) 215-230.

51. George E. Magoulas, Marina Bantzi, Danai Messari, Efstathia Voulgari, Chrisostomi Gialeli, Despoina Barbouri, Athanassios Giannis, Nikos K. Karamanos, Dionissios Papaioannou, and Konstantinos Avgoustakis, **Synthesis and Evaluation of Anticancer Activity in Cells of Novel Stoichiometric Pegylated Fullerene-Doxorubicin Conjugates**

, Pharmaceutical Research, 32 (2015) 1676-1693.

52. P.Mehta, L.Justo, S.Walsh, M.S.Arshad, C. G. Wilson, C.K.O'Sullivan, S.M. Moghimi, I.S. Vizirianakis, K. Avgoustakis, D.G.Fatouros and Z. Ahmad, **New Platforms For Multi-Functional Ocular Lenses: Engineering Double Sided Functionalised Nano Coatings**

, Journal of Drug Targeting, 23 (2015) 305-310

53. Athina Angelopoulou, Efstathia Voulgari, Evmorfia K Diamanti, Dimitris Gournis, Konstantinos Avgoustakis, **Graphene oxide stabilized by PLA-PEG copolymers for the controlled delivery of paclitaxel,**

E. J. Pharm. Biopharm., 93 (2015) 18-26.

54. P Sifaka, M Betsiou, A Tsolou, E Angelou, B Agianian, M Koffa, S Chaitidou, E Karavas, K Avgoustakis, D Bikiaris, **Synthesis of folate-pegylated polyester nanoparticles encapsulating ixabepilone for targeting folate receptor overexpressing breast cancer cells**

, Journal of Materials Science: Materials in Medicine, 26 (2015) 1-14.

55. Ioannis S Vizirianakis, George A Mystridis, Konstantinos Avgoustakis, Dimitrios G Fatouros, Marios Spanakis, **Enabling personalized cancer medicine decisions: The challenging pharmacological approach of PBPK models for nanomedicine and pharmacogenomics**

, Oncology reports, 35 (2016) 1891-1904.

56. Thalia Liargkova, Dimitra J. Hadjipavlou-Litina, Caterina Koukoulitsa, Efstathia Voulgari,

and Constantinos Avgoustakis, **Simple chalcones and bis-chalcones ethers as possible pleiotropic agents**, Journal of Enzyme Inhibition and Medicinal Chemistry, 31 (2016) 302-313.

57. Yiannis Sarigiannis, Argiris Kolokithas-Ntoukas, Nicolas Beziere, Radek Zboril, Evangelia Papadimitriou, Konstantinos Avgoustakis, Margarita Lamprou, Zdenka Medrikova, Elias Rousalis, Vasilis Ntziachristos, Aristides Bakandritsos, **Synthesis and evaluation of condensed magnetic nanocrystal clusters with in vivo multispectral optoacoustic tomography for tumour targeting**, Biomaterials 91 (2016) 128-139.

58. Popescu, M.-T., Lontos, G., Avgeropoulos, A., Voulgari, E., Avgoustakis, K., Tsitsilianis, C., **Injectable Hydrogel: Amplifying the pH Sensitivity of a Triblock Copolyptide by Conjugating the N-Termini via Dynamic Covalent Bonding**, ACS Applied Materials and Interfaces, 8 (2016) 17539-17548.

59. Voulgari Efstathia, Bakandritsos Aristides, Galtsidis Sotiris, Zoumpourlis Vassilis, Burke Benjamin P., Clemente Gonçalo S., Cawthorne Christopher, Archibald Stephen J., Tucek Jiri, Zboril Radek, Kantarelou Vasiliki, Karydas Andreas, Avgoustakis Konstantinos, **Synthesis, characterization and in vivo evaluation of a magnetic cisplatin delivery nanosystem based on PMAA-graft-PEG copolymers**, Journal of Controlled Release 243 (2016) 342-356.

60. Koutsiouki, K., Angelopoulou, A., Ioannou, E., Voulgari, E., Sergides, A., Magoulas, G.E., Bakandritsos, A., Avgoustakis, K. **TAT Peptide-Conjugated Magnetic PLA-PEG Nanocapsules for the Targeted Delivery of Paclitaxel: In Vitro and Cell Studies**, AAPS AAPS PharmSciTech., 18 (2017) 769-781.

61. Peperidou, A., Pontiki, E., Hadjipavlou-Litina, D., Voulgari, E., Avgoustakis, K. **Multifunctional cinnamic acid derivatives**, Molecules, 22 (2017) 1247.

62. Angelopoulou, A., Voulgari, E., Kolokithas-Ntoukas, A., Bakandritsos, A., Avgoustakis, K. **Magnetic Nanoparticles for the Delivery of Dapagliflozin to Hypoxic Tumors: Physicochemical Characterization and Cell Studies**, AAPS PharmSciTech., 2018 19 (2018) 621-633.

63. Athina Liaskoni, Athina Angelopoulou, Efstathia Voulgari, Maria-Teodora Popescu, Constantinos Tsitsilianis, Konstantinos Avgoustakis, **Paclitaxel controlled delivery using a pH-responsive functional-AuNP/block-copolymer vesicular nanocarrier composite system**, E. J. Pharm. Sci., 117 (2018) 177-186.

64. Z Iatridi, A Angelopoulou, E Voulgari, K Avgoustakis, C Tsitsilianis, **Star-Graft Quarterpolymer-Based Polymersomes as Nanocarriers for Co-Delivery of Hydrophilic/Hydrophobic Chemotherapeutic Agents**, ACS omega 3 (2018) 11896-11908.

65. A Angelopoulou, A Kolokithas-Ntoukas, L Papaioannou, Z Kakazanis, **Canagliflozin-loaded magnetic nanoparticles as potential treatment of hypoxic tumors in combination with radiotherapy**

, A Angelopoulou, A Kolokithas-Ntoukas, L Papaioannou, Z Kakazanis, N Khoury, V Zoumpourlis, S Papatheodorou, D Kardamakis, A Bakandritsos, S Hatziantoniou, K Avgoustakis, *Nanomedicine* 13 (2018) 2435-2454.

66. L Papaioannou, A Angelopoulou, S Hatziantoniou, M Papadimitriou, P Apostolou, I Papisotiriou, K Avgoustakis **Folic Acid-Functionalized Gold Nanorods for Controlled Paclitaxel Delivery: In Vitro Evaluation and Cell Studies**

, *AAPS PharmSciTech* 20 (2019) 13, doi: 10.1208/s12249-018-1226-6.

67. K Bourika, A Koutras, H Kalofonos, A Vicha, E Tsiata, E Papadimitriou, K Avgoustakis, Z Panagi, **Improvement of Chemotherapy Solutions Production Procedure in a Hospital Central Chemotherapy Preparation Unit: A Systematic Risk Assessment to Prevent Avoidable Harm in Cancer Patients**

, *Clin Med Insights Oncol.* 13 (2019) 1179554919852933, doi: 10.1177/1179554919852933.

68. E Gianni, K Avgoustakis, M Pšenička, M Pospíšil, D Papoulis, **Halloysite nanotubes as carriers for irinotecan: Synthesis and characterization by experimental and molecular simulation methods**

, *Journal of Drug Delivery Science and Technology* 52 (2019) 568-576.

PUBLICATIONS (Encyclopedia)

1. K. Avgoustakis, 'Poly(lactic-co-glycolic acid)', *Encyclopedia of Biomaterials and Biomedical Engineering*, G. Wnek and G. Bowlin Eds., Marcel Dekker, New York, 2005, Vol. 1, No1, p. 1 (invited contribution). Patents (1) European Patent Application EP 1 698 327 A1 (2006) "Stable pharmaceutical compositions of itraconazole in aqueous environment" (Inventor Konstantinos Avgoustakis).

2. European Patent Application EP 1 739 086 B1 "Pharmaceutical compositions of risperidone in aqueous solution" (Inventor Konstantinos Avgoustakis). PRESENTATIONS (international conferences) (1) Avgoustakis, K. and Georgakopoulos, P.P., "A study of possible improvements of USP XX dissolution test of hard gelatin capsules". Proceedings of the 5th International Conference on Pharmaceutical Technology, APGI, Paris 1989, Vol. V, p. 460-468. (2) Z. Panagi, C. Sawas-Dimopoulou, K. Avgoustakis, D.S. Ithakissios. A quick labelling method for evaluating liposomes with regard their biodistribution properties. World Congress of Pharmacy 1994, Lisbon, Portugal, 4-9 September, 1994. Abstracts Book of the 54th International Congress of FIP:146 (P175) (1994).

3. Panagi, Z., Avgoustakis, K., Evangelatos, G. and Ithakissios, D.S., In vitro binding kinetics of serum proteins on selected liposomal types. *Eur. J. Drug Metab. Pharmacokinet.*,

Special Issue containing the abstracts of papers presented on 6th European Congress of Biopharmaceutics and Pharmacokinetics, Athens 1996.

4. Panagi, Z., Avgoustakis, K., Evangelatos, G. and Ithakissios, D.S., Carboxyfluorescein leakage kinetics from liposomes due to liposome-protein interaction in vitro. *Eur. J. Drug Metab. Pharmacokinet.*, Special Issue containing the abstracts of papers presented on 6th European Congress of Biopharmaceutics and Pharmacokinetics, Athens 1996.

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