

Dimitra Hadjipavlou-Litina , Ph.D. Curriculum Vitae

Born :February, 6, 1957, Kavala.

Education :

1975 Graduation from High School (degree 18 11/12) and entrance in the School of Pharmacy, at the University of Thessaloniki after success in the Panhellenic Entrance Exams for the highest education.

1976, 1977, 1978 Scholarships from the State Scholarship Foundation Grant.

1979 Graduation from School of Pharmacy (degree 7.56)

1980-1989 Ph.D. in Pharm.- Medicinal Chemistry for a synthetic and pharmacochemical study of some 2- hydroxy-amino and diamino-butyroketones with biological interest under the supervision of Prof. P. N. Kourounakis.

1990: Ph.D.

1992-1993 postdoctoral year with Prof. Corwin Hansch in the Chemistry Department, Pomona College, California.

Languages : English outstanding, whereas French and German quite well

Career :

1980 -1990. Research Associate in the Department of Pharm.- Medicinal Chemistry, at the University of Thessaloniki, School of Pharmacy, Greece.

1990- lecturer in the Department of Pharm.- Medicinal Chemistry, at the University of Thessaloniki, School of Pharmacy, Greece

1998-assistant professor, in the Department of Pharm.- Medicinal Chemistry, at the University of Thessaloniki, School of Pharmacy, Greece

2004-associate professor, in the Department of Pharm.- Medicinal Chemistry, at the University of Thessaloniki, School of Pharmacy, Greece

2009- professor, in the Department of Pharm.- Medicinal Chemistry, at the University of Thessaloniki, School of Pharmacy, Greece

Research interests involve synthesis and pharmacochemical studies on anti inflammatory and antioxidant agents and inhibitors of enzymes implicated in the inflammation and cancer and in the coagulation process in general and the relationship between structure and activity of various drug classes (use of Computational Chemistry in Drug Design).

Society memberships and Fellowships:

Member of the Greek Society of Medicinal Chemistry, of the American Chemical Society, of the QSAR and Modelling Society, of Current Drugs Evaluators and of the Hellenic Society of Free radicals.

Editorial board στα περιοδικά

- Anti-inflammatory and Anti-allergy agents in Current Medicinal Chemistry (Bentham Science Publications)
- The open Medicinal Chemistry Journal (on line Bentham Science Publications)
- Current Enzyme inhibition (Bentham Science Publications)
- Journal of Enzyme Inhibition & Medicinal Chemistry (Publisher: Informa Healthcare)

Editor

Current Enzyme inhibition (Bentham Science Publications)

REVIEWER in International JOURNALS

- Internet Electron. J. Mol. Design Current Medicinal Chemistry
- Current Pharmaceutical Design
- Anti-inflammatory, Antiallergy agents in Current Medicinal Chemistry
- Mini Reviews in Medicinal Chemistry
- Letters in Drugs Design and Discovery
- Current Enzyme Inhibition
- Journal of Medicinal Chemistry
- Journal of Organic Chemistry
- European Journal of Medicinal Chemistry
- Bioorganic Medicinal Chemistry
- Bioorganic Medicinal Chemistry Letters
- QSAR and Combinatorial Science
- Journal of Enzyme Inhibition and Medicinal Chemistry
- Journal of Biology Research
- Journal of Inorganic Biochemistry
- Journal of Pharmacy and Pharmacology
- Chemical Reviews
- Medicinal Chemistry
- Medicinal Research Reviews
- Bioinorganic Chemistry and Applications
- ChemBioCnem
- Archive der Pharmazie

RESEARCH

Supervisor in more than 15 MScs and five PhDs.

Scientific Responsible for National Grants

Evaluator for National and International Grants (Italy-Israel)

CONGRESSES

More than 400 participations in National and International congresses.

Awards

Twice by the American Chemical Society for most assessed papers published in Chemical Reviews

2nd and 3rd award for poster presentations in National and International Congresses

LIST OF PUBLICATIONS

1. Hadjipavlou-Litina D., Rekka E., Hadjipetrou Kourounakis L. & Kourounakis P.N. "Synthesis and biological studies of some novel anti inflammatory aryl-hydroxy-amino ketones". *Eur.J.Med.Chem.* 26/1, 85-91 (1991)
2. Gavalas A., Kourounakis L., Litina D. & Kourounakis P.N. "Anti inflammatory and immunomodulating effects of a novel agent -(2'-amino-ethyl-amino)-butyrothienone (γ -ABT). I. Inhibitory effects on mouse paw edema". *Arzneim.Forsch./Drug Res.* 41 (I) 4,423-426 (1991)
3. Kourounakis L., Gavalas A., Karagouni E., Litina D. & Kourounakis P.N. "Anti inflammatory and immunomodulating effects of a novel agent -(2'-amino-ethyl-amino)-butyrothienone (γ -ABT). II. Inhibitory effect on rat adjuvant induced disease (AID)." *Arz.Forsch./Drug Res.* 41 (I) 5, 537-541 (1991)
4. Andreadou I., Rekka E., Hadjipavlou-Litina D. & Kourounakis P.N. "Antioxidant and free radical scavenging activity of some mono- or diamines synthesised as potential anti inflammatory agents, in relation to their structure." *J. Biopharm. Sc.* 2(4), 291-304 (1991)
5. Hadjipavlou-Litina D., Rekka E., Hadjipetrou Kourounakis L. & Kourounakis P.N. "Ionization, lipophilicity and biological studies of some novel aryl-hydroxy-aminoketones with anti inflammatory activity." *Eur.J.Med.Chem.* 27/1, 1-6 (1992)
6. Hadjipavlou-Litina D., Geronikaki A. & Sotiropoulou E. "Anti inflammatory activity of aminoketone derivatives of 2,4-disubstituted thiazoles." *Res.Com.Chem.Path.Pharm.* 79(3), 355-362 (1993)
7. Geronikaki A. & Hadjipavlou-Litina D. "Lipophilicity and biological studies of some 2-(amino-acetylamino)thiazole derivatives with anti inflammatory activity." *Die Pharmazie* 48(H12) 948-949 (1993)
8. Hadjipavlou-Litina D. "Research on the anti inflammatory, analgesic, antiproteolytic and ulcerogenic activities of some new 1-(3-(aryloxy)-propyl)-diamines." *Res. Com. Chem. Path. Pharm.* 81(1), 91-102 (1993).
9. Andreadou I., Rekka E., Hadjipavlou-Litina D. & Kourounakis P.N. "Correlation of the structure of novel mono and diamine derivatives with their effect on drug metabolizing enzymes." *Med. Chem. Res.* 3, 233-239 (1993).
10. Hadjipavlou-Litina D. & Hansch C. "Quantitative Structure-Activity Relationships of the Benzodiazepines. A Review and Reevaluation." *Chem. Rev.* 94 (6), 1483-1505 (1994)
11. Hadjipavlou-Litina D. « QSAR of N² -phenylguanidines as inhibitors of Herpes simplex virus-1 thymidine kinase». *Die Pharmazie* 50, 796-798 (1995).
12. Hadjipavlou-Litina D. & Geronikaki A. « Anti inflammatory activity of some novel 1-[3-(arylo) and one aryloxy-propyl] aminothiazoles in correlation with structure and lipophilicity ». *Arzneim. Forsch. / Drug Res.* 46, 805-808 (1996).

13. Hadjipavlou-Litina D.

«QSAR of Thiosemicarbazones derived from formyl- and acyl- diazines designed as antiviral agents ». *Die Pharmazie* 51, 468-470 (1996).

14. Nicolaides D., Fylaktakidou K, Litinas K. & Hadjipavlou-Litina-D.

«Synthesis and Biological Evaluation of some 4-Isoxazolinylyl or 1,2,4-Oxadiazolyl)-coumarins». *J. Heterocyclic Chem.* 33, 967-971 (1996)

15. Hadjipavlou-Litina D.

«QSAR studies of some sulphonamidobenzophenone oximes with antiviral activity ». *J. Pharm. Pharmacol.* 48, 125-1217 (1996)

16. Geronikaki A. & Hadjipavlou-Litina D.

« In vitro Studies of some new 2,4-disubstituted thiazolyl-aminoketones with anti inflammatory activity. Correlation with lipophilicity and structural characteristics ». *Arzneim. Forsch. /Drug Res.* 46, 1134-1137 (1996).

17. Hadjipavlou-Litina D.

« 1-[3- (aryloxy)propyl]-diamines: a new class of non steroidal basic anti inflammatory agents, enzymes inhibitors. Correlation of the structure with their effect. Part II ». *Res. Com. Mol. Path. Pharm.* 95 (3), 308-319 (1997)

18. Hadjipavlou-Litina D.

« Quantitative structure activity study in anti inflammatory drugs ». *Res. Com. Mol. Path. Pharm* 95 (3), 319-329 (1997)

19. Hadjipavlou-Litina D. & Geronikaki A.

« Effect of 2,4-disubstituted thiazol-5yl-aminoketones on inflammation . In vitro and in vivo biological studies. A QSAR approach ». *Res. Com. Mol. Path. Pharm* 96 (3), 307-318 (1998)

20. Geronikaki A. & Hadjipavlou-Litina D.

« Synthesis of some new aryloxy/aroyl-2- amino-1,3-thiazole derivatives with anti inflammatory activity ». *Arzneim. Forsch./ Drug Res.* 48, 261, (1998)

21. Hadjipavlou-Litina D.

“ Quantitative structure activity relationships of anticonvulsants .” *Med. Res. Rev.* 18(2), 91-119 (1998)

22. Nicolaides D., Fylaktakidou K., Litinas K. & Hadjipavlou-Litina D.

“ Synthesis and Biological Evaluation of several coumarin-4-carboxamidoxime and 3-(coumarin -4-yl)-1,2,4-oxadiazole Derivatives”. *Eur. J. Med. Chem.* 33, 715-724 (1998)

23. Nicolaides D., Fylaktakidou K., Litinas K., Papageorgiou G. & Hadjipavlou-Litina D.

«1,3-Cycloaddition reactions of 2-oxo-2H-[1]-benzopyran-4-carbonitrile N-oxide. Synthesis of several new 4-substituted coumarins », *J. Heterocyclic Chemistry* 35, 619-625, (1998)

24. Hadjipavlou-Litina D. & Geronikaki A.

«Thiazolyl and Benzothiazolyl Schiff bases as novel Lipoxygenase's inhibitors and anti-inflammatory agents. synthesis and biological evaluation », *Drug Design & Discovery* 15, 199-206, (1998)

25. Geronikaki A., Poroikov V.V., Hadjipavlou-Litina D., Filimonov D.A. Lagunin A. & Mgonzo R.

“Synthesis, computer assisted prediction of biological activity spectra and experimental testing of new thiazole derivatives ”. *Quant.- Struct. Act. Rel.* 18 (1), 16-25, (1999)

26. Padron J. C., Martin V.S., Hadjipavlou-Litina D., Noula C., Constantinou-Kokotou V., Peters G.J. & Kokotos G. "Synthesis in vitro cytotoxicity and in vivo activity of long chain 3-amino-1,2-diols ». *Bioorg. Med. Chem. Lett.* 9, 821-826 (1999)
27. Kokotos G., Hadjipavlou-Litina D., Constantinou-Kokotou V., Noula C., Nicolaou A. & Gibbons W.A. «Synthetic Routes to lipidic diamines and amino alcohols. In vivo study of their anti-inflammatory activity ». *Lipids* 34, 307-311, (1999)
28. Hadjipavlou-Litina D., Geronikaki A., Mgonzo R. and Doytchinova I.
"Thiazolyl-N-substituted Amides : A group of effective Anesthetic Properties. Synthesis biological evaluation and a QSAR approach", *Drug Development Research*, 48, 53-60, (1999)
29. Geronikaki A., Hadjipavlou-Litina D. & Tzaki M.
«Synthesis of some new thienyl and thiazolyl- amino ketones with anti-inflammatory activity». *Arzneim. Forsch. / Drug Res.*, 50, 266-71, (2000)
30. Hadjipavlou-Litina D. "New Diaminoether Coumarinic derivatives with anti-inflammatory activity", *Arzneim. Forsch. / Drug Res.*, 50, 631-635, (2000)
31. Kontogiorgis C., Hadjipavlou-Litina D. and Schulz E.
"Antioxidant activity of DL- ω - phenyl Amino octyl esters with anti-inflammatory activity. Correlation of the structure with lipophilicity ", *Arzneim. Forsch. / Drug Res.* 51, 485-488, (2001)
32. Emmanuel-Giota A., Fylaktakidou K.C., Hadjipavlou-Litina D., Litinas K., Nicolaides D.
"Synthesis and Biological evaluation of several 3-(coumarin-4-yl)-tetrahydroisoxazole and 3-(coumarin-4-yl)dihydropyrazole derivatives", *J. Heterocyclic Chemistry*, 38, 717-723, (2001)
33. Fylaktakidou K.C., Gautam D., Hadjipavlou-Litina D., Kontogiorgis C., Litinas K., Nicolaides D. "Reactions of 4-methylchromene-2,7,8-trione with phosphonium ylides. Synthesis and evaluation of fused 1,3-dioxolaneocoumarins as antioxidants and anti-inflammatories". *J. Chem. Soc. Perkin Trans.*, 1, 3073-3079, (2001)
34. Kontogiorgis C., Hadjipavlou-Litina D.
"Nitric oxide release from coumarin-4-carboxamidoximes in the presence of thiols". *Arzneim.Forsch./Drug Res.* 52, 205-210, (2002)
35. Hadjipavlou-Litina D. & Pontiki E.
"Quantitative Structure Activity Relationships On Lipoxygenase Inhibitors", *Internet Electron. J. Mol.Design*, 1, 134-141, (2002)
36. Kontogiorgis C.A. & Hadjipavlou-Litina D.J.
"Current trends in QSAR on NO donors and Inhibitors of nitric oxide synthase (NOS)" *Med. Res. Rev.*, 22(4), 385-418, (2002)
37. Geronikaki A., Lagunin A., Poroikov V., Filimonov D., Hadjipavlou-Litina D. & Vicini P.
"Computer aided prediction of biological activity spectra: evaluating versus known and predicting of new activities for thiazole derivatives", *SAR and QSAR in Environ. Res.* 13(3-4), 457-471, (2002)
38. Kontogiorgis C.A. & Hadjipavlou-Litina D.J. "Quantitative Structure Activity Relationships On thromboxane Inhibitors», *Internet Electron. J. Mol.Design*, 1, 134-141, (2002)
39. Pontiki E.A. & Hadjipavlou-Litina D. "Synthesis, antioxidant and anti-inflammatoary activity of novel aryl-acetic and aryl-hydroxamic acids". *Arzneim. Forsch./Drug Res.* 53, 780-785, (2003)

40. Pontiki E. & Hadjipavlou-Litina D. "Review in QSARs on LOX inhibitors", *Mini Reviews in Medicinal Chemistry*, 3, 487-499, (2003)

41. Constantinou V., Magrioti V. & Hadjipavlou-Litina D. «Synthesis and in vivo anti-inflammatory activity of long chain 2-amino-alcohols», *Bioorg Med Chem Lett* 13, 375-377, (2003)

42. Kontogiorgis C. & Hadjipavlou-Litina D. "Biological evaluation of several coumarin derivatives designed as possible anti-inflammatory/antioxidants agents ", *J. Enzym Inh Med Chem*, 18, 63-69, (2003)

43. Kontogiorgis C. & Hadjipavlou-Litina D.

"Quantitative Structure-Activity Relationships (QSARs) for Thrombin Inhibitors. Review, Evaluation and Comparative Analysis ", *Curr.Med. Chem.* 10, 1241-1253, (2003)

44. Michaelidou A. & Hadjipavlou-Litina D.

"Anti-inflammatory, Antioxidant and analgesic amides" *J. Enzym Inh Med Chem* 18, 537-544, (2003)

45. Geronikaki A., Hadjipavlou-Litina D. & Amourgianou M.

"Novel thiazolyl, thiazoliny and benzothiazolyl Schiff bases as possible lipoxygenase's inhibitors and anti-inflammatory agents" *Il Farmaco*, 58, 489-495, (2003)

46. Geronikaki A., Hadjipavlou-Litina D., Chatziopoulos C. & Soloupis G.

« Synthesis and biological Evaluation of new 4,5-disubstituted –thiazolyl amides, derivatives of 4-hydroxy piperidine or of 4-N-methyl –piperazine », *Molecules*, 8, 472-479, (2003)

47. Vrakas D., Tsantili-Kakoulidou A. & Hadjipavlou-Litina D.

"Exploring the consistency of logP estimation for substituted coumarins", *QSAR comb Sci* 22, 622-629, (2003)

48. Kontogiorgis C. & Hadjipavlou-Litina D."Synthesis and biological evaluation of novel coumarin derivatives with a 7-azomethine linkage", *Bioorg Med Chem Lett*14, 611-614 (2004)

49. Kontogiorgis C. & Hadjipavlou-Litina D.

"Quantitative Structure-Activity Relationships (QSARs) for Fxa Inhibitors. Review, Evaluation and Comparative Analysis ", *Med. Chem. Rev.* 24(6), 687-747, (2004)

50. Nicolaides D., Gautam D., Litinas K., Hadjipavlou-Litina D.& Fylaktakidou K.

"Synthesis and evaluation of the antioxidant and anti-inflammatory activities of some benzo[1] khellactone derivatives and analogues", *Eur. J. Med. Chem.* 39, 323-332 (2004)

51. Nicolaides D., Gautam D., Litinas K., Hadjipavlou-Litina D.& Kontogiorgis C.

"Synthesis and biological evaluation of benzo[7,8]chromeno[5,6][1,4]oxazin-3-ones", *J. Heterocyclic Chemistry* 41, 605-617, (2004)

52. Leventis I., Andreadou I., Papalois A., Sfiniadakis I., Gorgoulis V., Korkolis D., Hadjipavlou-Litina D., Kourounakis P. & Fotiadis C.

"Novel Antioxidant non-steroidal anti-inflammatory agent protects rat liver against ischemia –reperfusion injury", *In vivo* 18, 161-170, (2004)

53. Pontiki E. & Hadjipavlou-Litina D.

"QSARs on LOX inhibitors", *Curr. Med. Chem. –Anti-inflammatory & antiallergy agents* 3, 139-156, (2004)

54. Vrakas D., Tsantili-Kakoulidou A. & Hadjipavlou-Litina D.

"Analysis of the Interaction of substituted Coumarins with the DPPH Free Radical by means of Multivariate Statistics" *J. Pharm. Pharmacol.* 56(9), 1191-4, (2004)

55. Geronikaki A., Vicini P., Incerti M. & Hadjipavlou-Litina D.

"Thiazolyl and isothiazolyl azomethine derivatives with anti-inflammatory and antioxidant activities. synthesis, biological evaluation and structure- activity relationships study". *Arzn.Forsch. Drug Res.* 54(9), 530-7, (2004)

56. Hadjipavlou-Litina D., Garg R. & Hansch C.

"Comparative quantitative structure-activity relationship studies (QSARs) on non-benzodiazepines compounds binding to BZR", *Chem. Rev.* 8, 104(9), 3751-3794, (2004)

57. Kokotos, G. Six D. A., Loukas V, Smith T., Constantinou-Kokotou V, Hadjipavlou-Litina D., Kotsovolou S, Chiou A., Beltzner C. & Dennis E.

"Inhibition of Group IVA cytosolic phospholipase A₂ by novel 2-oxoamides *in vitro*, in cells, and *in vivo*", *J. Med. Chem.* 1, 47(14), 3615-28, (2004)

58. Karioti A., Hadjipavlou-Litina D., Mensah M.L.,Fleischer T.C, Skaltsa H.

"Composition and antioxidant activity of the essential oils of *Xylopia aethiopica* (Dun) A. Rich. (Annonaceae) leaves, stem bark, root bark, and fresh and dried fruits, growing in Ghana", *J. Agric. Food Chem.*, 29, 52(26), 8094-8, (2004)

59. Pontiki E, Hadjipavlou-Litina D., Demertzis A., Hadjidakis I. & Kovala-Demertzi D.

"Quantitative Structure Activity Relationships (QSAR) of Substituted (S)-Phenylpiperidines as Preferential Dopamine Autoreceptor Antagonists", *J. Enzym Inh Med Chem* 20, 5-12, (2005)

60. Vrakas D., Panderi I., Hadjipavlou-Litina D. & Tsantili-Kakoulidou A.

"Investigation of the Relationships Between logP and Various Chromatographic Indices for a Series of Substituted Coumarins. Evaluation of their similarity /Dissimilarity using Multivariate Statistics", *QSAR & Comb. Sci.*, 24, 254-260, (2005)

61. Vrakas D., Hadjipavlou-Litina D. & Tsantili-Kakoulidou A. "Retention of substituted coumarins using immobilized artificial membrane (IAM) chromatography: A comparative study with n-octanol partitioning and reversed-phase HPLC and TLC", *J. Pharm. Biomed. Anal.* 4,39(5), 908-13, (2005)

62. Varnavas A., Lassiani L., Valenta V, Mennuni L, Makovec F.& Hadjipavlou -Litina D. "Anthranilic acid based CCK1 receptor antagonists: preliminary investigation on their second touch point", *Eur. J. Med. Chem.*, 40(6), 563-81, (2005)

63. Kontogiorgis, A.C. & Hadjipavlou-Litina, J.D. "Synthesis and antiinflammatory activity of coumarin derivatives", *J. Med. Chem.* 6, 48(20), 6400-8, (2005)

64. Michaelidou A. & Hadjipavlou-Litina D.

“Nonsteroidal anti-inflammatory drugs (NSAIDs): a comparative QSAR study”, *Chem Rev.*, 105(9), 3235-71, (2005)

65. Chaviara A.T., Christidis P.C., Papageorgiou A., Chrysogelou E., Hadjipavlou-Litina D.J. & Bolos C.A. “In vivo anticancer, anti-inflammatory, and toxicity studies of mixed-ligand Cu(II) complexes of dien and its Schiff dibases with heterocyclic aldehydes and 2-amino-2-thiazoline. Crystal structure of [Cu(dien)(Br)(2a-2tzn)](Br)(H₂O)”, *J. Inorg. Biochem.*, 99(11), 2102-9, 3 (2005)

66. Papadopoulou C., Geronikaki A. & Hadjipavlou-Litina D.J
“Synthesis and biological evaluation of new thiazolyl/benzothiazolyl-amides, derivatives of 4-phenyl-piperazine”, *Il Farmaco*, 60(11-12),969-73, (2005)

67. Yaksh T.L., Kokotos G., Svensson C.I., Stephens D., Kokotos C.G., Fitzsimmons B., Hadjipavlou-Litina D., Hua X.Y. & Dennis E.A. “Systemic and intrathecal effects of a novel series of phospholipase A2 inhibitors on hyperalgesia and spinal PGE₂ release”, *J. Pharmacol. Exp. Ther.*, 316(1), 466-75, (2006)

68. Pontiki E., Hadjipavlou-Litina D., Chaviara A.T. & Bolos C.A.
“Evaluation of anti-inflammatory and antioxidant activities of mixed-ligand Cu(II) complexes of dien and its Schiff dibases with heterocyclic aldehydes and 2-amino-2-Thiazoline”, *Bioorg Med Chem Lett*, 15,16(8), 2234-7, (2006)

69. Kontogiorgis C.A., Savvoglou K. & Hadjipavlou-Litina D.J.
“Antiinflammatory and antioxidant evaluation of novel coumarin derivatives”, *J Enzym Inh Med Chem*, 21(1), 21-9, (2006)

70. Koukoulitsa C., Zika C., Hadjipavlou-Litina D., Demopoulos V.J. & Skaltsa H.
“Inhibitory effect of polar oregano extracts on aldose reductase and soybean lipoxygenase *in vitro*”, *Phytother. Res.* 20 (7), 605–606 (2006)

71. Pontiki, E. & Hadjipavlou-Litina, D.
“Antioxidant and Anti-inflammatory activity of aryl-acetic and hydroxamic acids as Novel Lipoxygenase Inhibitors”, *Med. Chem.*, 2(3), 251-264, (2006)

72. Geronikaki A., Vasilevsky S., Hadjipavlou-Litina D., Lagunin A. & Poroikov V.
“Synthesis and anti-inflammatory activity of ethynyl thiazoles”, *HGS*, N5 769-775, (2006)

73. Karioti A, Vrahimi-Hadjilouca T, Droushiotis D, Rancic A, Hadjipavlou-Litina D & Skaltsa H. “Analysis of the Essential Oil of *Origanum dubium* Growing Wild in Cyprus. Investigation of its Antioxidant Capacity and Antimicrobial Activity”, *Planta Med.*, 72(14), 1330-4, (2006)

74. Pontiki, E.& Hadjipavlou-Litina, D.
“Synthesis of phenyl-substituted amides with antioxidant and anti-inflammatory activity as Novel Lipoxygenase Inhibitors”, *Med. Chem.*, 3(2), 175-86, (2007)

75. Kontogiorgis C.A. & Hadjipavlou-Litina D.J. “Nitric Oxide Release from Coumarin-7-azomethine Derivatives in the Presence of Thiols”, *Arzneim.Forch/ Drug Research.*, 57(3),143-146, (2007)

76. Georgousis Z.D., Christidis P.C., Hadjipavlou- Litina D. & Bolos C.A. “Synthesis and structural characterization of pentacoordinated bis (isoselenocyanato) and

bis(isothiocyanato) Cu(II) and Ni(II) complexes with Me₅dien. Crystal structure of [Cu(Me₅dien)(NCSe)₂] “, *J Mol Struct*, 837 (1-3), 30-37, (2007)

77. Hadjipavlou-Litina D., Kontogiorgis C., Pontiki E., Dakanali M., Akoumianaki A. & Katerinopoulos H.E. “Anti-inflammatory and antioxidant activity of coumarins designed as potential fluorescent zinc sensors”, *J Enzym Inh Med Chem*, 22(3), 287-92, (2007)

78. Koukoulitsa D., Hadjipavlou–Litina D., Geromichalos G.D. & Skaltsa H. “Inhibitory effect on soybean lipoxygenase and docking studies of some secondary metabolites, isolated from *Origanum vulgare* L. ssp. *hirtum* “, *J Enzym Inh Med Chem*, 22(1), 99-104, (2007)

79. Michaelidou A., Hadjipavlou-Litina D., Matsini I. & Tsitsogianni E. “Heterocyclic aryl(phenyl)acetic acid and aryl acetohydroxamic acids as antiinflammatory–antioxidant agents and inhibitors of lipoxygenase and serine proteases”, *Med. Chem.*, 3(5), 439-45, (2007)

80. Panagoulis D., Pontiki E., Skeva E, Raptopoulou C., Girousi S., Hadjipavlou-Litina D. & Dendrinou-Samara C. “Synthesis and pharmacochemical study of new Cu(II) complexes with thiophen-2-yl saturated and α,β -unsaturated substituted carboxylic acids”, *J. Inorg. Biochem.*, 101(4),623-34, (2007)

81. Tsoukka M., Litinas K.E., Nicolaidis D.N. & Hadjipavlou-Litina D., “Synthesis and Biological evaluation of new Benzo[f]furo[2,3-h]-and Benzo[f]pyrano[2,3-h] coumarin derivatives”, *J.Heterocyclic Chemistry*, 44, 529-534, (2007)

82. Papaioannou P., Lazari D., Karioti A., Souleles C, Heilmann J., Hadjipavlou-Litina D. & Skaltsa H. "Phenolic compounds with antioxidant activity from *Anthemis tinctoria* L. subsp. *tinctoria* var. *pallida* DC. (Asteraceae)", *Zeitschrift für Naturforschung C.*, 62(5-6), 326-30, (2007)

83. Detsi A., Bouloumbasi D., Prousis K.C, Koufaki M., Athanasellis G., Melagraki G., Afantitis A., Igglessi-Markopoulou O., Kontogiorgis C. & Hadjipavlou-Litina D. "Design and Synthesis of Novel Quinolinone-3-aminoamides and their -Lipoic Acid Adducts as Antioxidant and Antiinflammatory Agents", *J. Med. Chem.*, 17,50(10), 2450-8, (2007)

84. Pontiki E. & Hadjipavlou-Litina D. “Synthesis and pharmacochemical evaluation of novel aryl-acetic acid inhibitors of lipoxygenase, antioxidants and anti-inflammatory agents”, *Bioorg Med Chem*, 15(17), 5819-27, (2007)

85. Michael A., Alexopoulos C., Pontiki E., Hadjipavlou-Litina D., Saratsis P. & Boscoc S. “Effect of antioxidant supplementation on semen quality and reactive oxygen species of frozen-thawed canine spermatozoa”, *Theriogenology*, 15, 68(2), 204-12, (2007)

86. Geronikaki A., Hadjipavlou-Litina D., Zablotzkaya A., & Segal I. "Organosilicon Containing Thiazole Derivatives as Potential Lipoxygenase Inhibitors and Anti-Inflammatory Agents", *Bioinorg Chem Applic*, 101155, 92145-52,(2007).

87. Six D.A., Barbayianni E., Loukas V., Constantinou-Kokotou V.,Hadjipavlou-Litina D., Stephens D., Wong A.C., Magrioti V., Moutevelis-Minakakis P., Baker S.F, Dennis E.D. & Kokotos G. “Structure-Activity Relationship of 2-Oxoamide Inhibition of Group IVA Cytosolic

Phospholipase A₂ and Group V Secreted Phospholipase A₂", *J Med Chem.*, 50(17), 4222-35, (2007)

88. Kontogiorgis C.A., Xu Y., Hadjipavlou-Litina D. & Luo Y.

"Coumarin derivatives protection against ROS production in cellular models of Abeta toxicities", *Free Radic Res.*, 41(10), 1168-80, (2007)

89. Burguete A., Pontiki E., Hadjipavlou-Litina D., Villar R., Vicente E., Solano B., Ancizu S., Pérez-Silanes S., Aldana I. & Monge A.

"Synthesis and anti-inflammatory/antioxidant activities of some new ring substituted 3-PHENYL-1-(1,4-DI-N-OXIDE QUINOXALIN-2-YL)-2-PROPEN-1-ONE derivatives and of their 4,5-DIHYDRO-(1H)-PYRAZOLE analogues", *Bioorg Med Chem Lett*, 1,17(23), 6439-43, (2007)

90. Saroglou, V., Arfan, M., Shabir, A., Hadjipavlou-Litina, D., Skaltsa, H. "Composition and antioxidant activity of the essential oil of *Teucrium royleanum* Wall. ex Benth growing in Pakistan", *Flavour and Fragrance Journal* 22 (2), 154-157, (2007)

91. Pontiki E. & Hadjipavlou-Litina D. "Lipoxygenase inhibitors: a comparative QSAR study, Review & evaluation of new QSARs", *Med.Res.Rev*, 28(1), 39-117, (2008).

92. Christidis P.C., Georgousis Z.D., Hadjipavlou-Litina D. & Bolos C.A. "Mixed-ligand Cu^{II} complexes with Me₅dien and heterocyclic acids. Synthesis, antioxidant and anti-inflammatory activity. Crystal structure of [Cu(Me₅dien)(tpaa)(H₂O)](ClO₄)", *J Mol Struct*, 872 (2-3), 73-80, (2008)

93. Pontiki E., Hadjipavlou-Litina D. & Chaviara A.T. "Evaluation of anti-inflammatory and antioxidant activities of Copper (II) Schiff mono-base and Copper(II) Schiff base coordination compounds of dien with heterocyclic aldehydes and 2-amino-5-methyl-thiazole", *J Enzym Inh Med Chem*, 2008,23, 6, 1011-1017

94. Kontogiorgis C., Litinas K.E., Makri A., Nicolaides D.N., Vronteli A., Hadjipavlou-Litina D.J., Pontiki E. & Siohou A. "Synthesis and biological evaluation of novel angularly fused Pyrrolocoumarins", *J Enzym Inh Med Chem* 23(1), 43-49, 2008

95. Charami M.T., Lazari D, Souleles C., Hadjipavlou-Litina D., Karioti A., Skaltsa H. "Antioxidant and anti-inflammatory constituents of *SIDERITIS PERFOLIATA* SUBSP. *PERFOLIATA* (LAMIACEAE)", *Phytotherapy Research*, 22(4),450-4, (2008)

96. Geronikaki A., Lagunin A.A., Hadjipavlou-Litina D., Eleftheriou Ph., Filimonov D., Poroikov V., Alam I. & Saxena A.K. "Computer-Aided Discovery of Anti-inflammatory thiazolidinones with dual cyclooxygenase/lipoxygenase inhibition", *J MedChem*, 51(6), 1601-9, (2008)

97. Hadjipavlou-Litina D.

"Quantitative structure- activity relationship (QSAR) studies on non steroidal anti-inflammatory drugs (NSAIDS)". *Curr. Med. Chem.*, 7, 375-388, (2000)

98. Kontogiorgis C.A. and Hadjipavlou-Litina D.J.

"Non Steroidal Anti-Inflammatory and Anti-Allergy Agents", *Curr. Med. Chem.* 9, 89-98, (2002)

99. Fylaktakidou, K.C., Hadjipavlou-Litina, D., Litinas, K.E. & Nicolaides, D.N.

"Natural and Synthetic Coumarin Derivatives with Antiinflammatory/Antioxidant Activities", *Curr. Pharm. Des.*, 10(30), 3813-3833, (2004)

100. Kontogiorgis, A.C., Papaioannou, P. & Hadjipavlou-Litina, J.D.

"MATRIX METALLOPROTEINASE INHIBITORS: A review on pharmacophore mapping and (Q)SARs results", *Curr. Med. Chem.* 12(3), 339-55, (2005)

101. Kontogiorgis A.C., Pontiki A. E. & Hadjipavlou-Litina D. "A Review on Quantitative Structure-Activity Relationships (QSARs) of natural and synthetic antioxidants compounds", *Mini Rev. Med. Chem.* 5(6),563-74, (2005)

102. Pontiki E. & Hadjipavlou-Litina D.

"Lipoxygenases superfamily (LOX): An interesting target for the development of inhibitors-promising drugs against cell differentiation, inflammation and carcinogenesis", *Curr. Enz. Inh.* 1, 309-328, (2005)

103. Hadjipavlou-Litina D.J., Litinas K.E. & Kontogiorgis C. "The anti-inflammatory effect of coumarin and its derivatives", *Anti-inflammatory & antiallergy agents in Current Medicinal Chemistry*, 6(4), 293-306, (2007)

104. Fylaktakidou K.C, Hadjipavlou-Litina D.J., Litinas K.E., Varella E.A. & Nicolaidis D.N. "Recent developments in the chemistry and the biological applications of amidoximes", *Curr Pharm Des*, 14(10), 1001-47, (2008)

105. Kontogiorgis C., Mantzanidou M. & Hadjipavlou-Litina D "Chalcones and their potential role in inflammation", *Mini Rev. Med. Chem.* 2008, 8(12):1224-42

106. Kouskoura M., Hadjipavlou-Litina D. and Giakoumakou M. "Synthesis and Anti-Inflammatory Activity of Chalcones and Related Mannich Bases", *Med. Chem.* 4, 586-596, (2008)

107. Magrioti, VB, Naxakis, G., Hadjipavlou-Litina, D., Makriyannis A., Kokotos G. "A novel monoacylglycerol lipase inhibitor with analgesic and anti-inflammatory activity", *Biorg Med Chem Lett*, 18, 5424-7, (2008)

108. Melagraki G., Afantitis A., Igglessi-Markopoulou O., Detsi A., Koufaki M., Kontogiorgis C., Hadjipavlou-Litina D. "Synthesis and evaluation of the antioxidant and antinflammatory

109. Petrović Z.D., Hadjipavlou-Litina D.J., Petrović V.P. "New Pd(II)–mechlorethamine complex: Synthesis, NMR study of hydrolytic activity and in vitro evaluation of antiradical property of new complex and its alkylating precursor", *J Mol Liqu*, 144, 55–58, (2009)

110. Symeonides T, Chamilos M., Hadjipavlou-Litina D.J., Kallitsakis M., Litinas K.E. "Synthesis of hydroxycoumarins and hydroxybenzo[f]- or [h] coumarins as lipid peroxidation inhibitors", *Biorg Med Chem Lett*, 19, 1139-1142, (2009)

111. Sagnou M., Strongilos A., Hadjipavlou-Litina D., Couladouros E.A. "Synthesis of Novel Benzoquinones with Anti-Inflammatory Activity", *Lett Drug Des Disc* 6, 172-177 (2009)

112. Kovala-Demertzi D., Hadjipavlou-Litina D., Staninska M., Primikiri A., Kotoglou C. and Demertzis M.A. "Anti-Oxidant, Anti-Inflammatory and Antiproliferative Activity of Tolfenamic Acid and Its Metal Complexes", *Chem Biodiv* 6(6):948-60, (2009)

113. Katsori A.-M. and Hadjipavlou-Litina D. "Chalcones in cancer: understanding their role in terms of QSAR", *Curr Med Chem*, 16, 1062-1081, (2009)

114. Hadjipavlou-Litina D., Garnelis T., Athanassopoulos C.M. & Papaioannou D. "Kukoamine A analogues with lipoxygenase inhibitory activity", *J Enzym Inh Med Chem*, 24(5):1188-93, (2009)

- 115.** Rajic Z., Perkovic I., Butula I., Zorc B., Hadjipavlou-Litina D., Pontiki E., Pepeljnjak S. and Kosalec I. "Synthesis and biological evaluation of *O*-methyl and *O*-ethyl NSAID hydroxamic acids", *J Enzyme Inh Med Chem*, 24(5):1179-87, (2009)
- 116.** Hadjipavlou-Litina D., Bariamis S.E., Militopoulou M., Athanassopoulos C.M. Papaioannou D. "Trioxsalen derivatives with lipoxygenase inhibitory activity», *J Enzym Inh Med Chem*, 24 (6) , 1351-1356 , 2009
- 117.** Kouatly O., Geronikaki A., Kamoutsis C., Hadjipavlou-Litina D., Eleftheriou Ph. "Adamantane derivatives of Thiazolyl N-substituted amide, as possible non-steroidal anti-inflammatory agents", *Eur J Med Chem.* 44, 1198-1204, (2009)
- 118.** Michael A.J., Alexopoulos C., Pontiki E.A., Hadjipavlou-Litina D.J., Saratsis P., Ververidis H.N., Boscoc C.M. "Effect of antioxidant supplementation in semen extenders on semen quality and reactive oxygen species of chilled canine spermatozoa", *Anim Reprod Sci.* 12, 119-135, (2009)
- 119.** Kovala-Demertzi D., Hadjipavlou-Litina D., Staninska M., Primikiri A., Kotoglou C. and Demertzis M.A. "Anti-oxidant, *in vitro*, *in vivo* anti-inflammatory activity and antiproliferative activity of mefenamic acid and its metal complexes with manganese(II), cobalt(II), nickel(II), copper(II) and zinc(II)", *J of Enzyme Inhib. Med.Chem*, 24 (3) , 742-752 2009
- 120.** Michael AJ, Alexopoulos C, Pontiki EA, Hadjipavlou-Litina DJ, Saratsis P, Ververidis HN, Boscoc CM. "Quality and reactive oxygen species of extended canine semen after vitamin C supplementation", *Theriogenology.*,70(5), 827-35, (2008)
- 121.** Pontiki E., Hadjipavlou-Litina D., Geromichalos G., Papageorgiou A. "Anticancer activity & Quantitative-Structure Activity Relationships (QSARs) Studies of a series of antioxidant/anti-inflammatory aryl-acetic and hydroxamic acids", *Chem. Biol.Drug Des.* 74(3):266-75, (2009)
- 122.** Hadjipavlou-Litina D., Braiuca P., Lassiani L., Pavan M.V, Varnavas A. "QSAR and 3D-QSAR/CoMFA analyses of the *N*-terminal substituted anthranilic acid based CCK₁ receptor antagonists: "Hic Rhodus, hic saltus"", *Bioorg Med Chem* 17, 5198-5206, (2009)
- 124.** Petrović, Z.D., Hadjipavlou-Litina, D., Pontiki, E., Simijonović, D., Petrović, V.P. "Diethanolamine Pd(II) complexes in bioorganic modeling as model systems of metallopeptidases and soybean lipoxygenase inhibitors", *Bioorganic Chemistry*, 37(5):162-6, (2009)
- 125.** Detsi A, Majdalani M, Kontogiorgis CA, Hadjipavlou-Litina D, Kefalas P. "Natural and synthetic 2'-hydroxy-chalcones and aurones: Synthesis, characterization and evaluation of the antioxidant and soybean lipoxygenase inhibitory activity", *Bioorg Med Chem.* (2009), 17 (23), 8073-8085
- 126.** Thalassitis A, Hadjipavlou-Litina DJ, Litinas KE, Miltiadou P. "Synthesis of modified homo-*N*-nucleosides from the reactions of mesityl nitrile oxide with 9-allylpurines and their influence on lipid peroxidation and thrombin inhibition", *Bioorg Med Chem Lett.* 15;19(22):6433-6, (2009)
- 127.** Symeonidis T, Fylaktakidou KC, Hadjipavlou-Litina DJ, Litinas KE. "Synthesis and anti-inflammatory evaluation of novel angularly or linearly fused coumarins", *Eur J Med Chem.* 2009, Sep 9. [Epub ahead of print]

- 128.** Malamidou-Xenikaki E, Spyroudis S, Tsanakopoulou M, Hadjipavlou-Litina D. "A convenient approach to fused indeno-1,4-diazepinones through hypervalent iodine chemistry", *J Org Chem.* 74(19):7315-21, (2009)
- 129.** Iranshahi, M., Askari, M., Sahebkar, A., Hadjipavlou-Litina, D. "Evaluation of antioxidant, anti-inflammatory and lipoxygenase inhibitory activities of the prenylated coumarin umbelliprenin", *Daru* 17 (2), 99-103, (2009)
- 130.** Hadjipavlou-Litina D., Magoulas G.E., Krokidis M., Papaioannou D. "Syntheses and evaluation of the antioxidant activity of acitretin analogs with amide bond(s) in the polyene spacer", *Eur J Med Chem.* 45 (1) , pp. 298-310 , 2010
- 131.** Ispikoudi, M., Amvrazis, M., Kontogiorgis, C., Koumbis, A.E., Litinas, K.E., Hadjipavlou-Litina, D., Fylaktakidou, K.C. "Convenient synthesis and biological profile of 5-amino-substituted 1,2,4-oxadiazole derivatives", *Eur J Med Chem* 2010, 45 (12), 5635-5645
- 132.** Perković, I., Butula, I., Rajić, Z., Hadjipavlou-Litina, D., Pontiki, E., Zorc, B. "Novel ureidoamides derived from amino acids: Synthesis and preliminary biological screening", *Croat Chem Acta* 83 (2), 151-161, 2010
- 133.** Roussaki, M., Kontogiorgis, C.A., Hadjipavlou-Litina, D., Hamilakis, S., Detsi, A. "A novel synthesis of 3-aryl coumarins and evaluation of their antioxidant and lipoxygenase inhibitory activity", *Bioorg Med Chem Lett* 2010 (13), 3889-3892
- 134.** Rajić, Z., Hadjipavlou-Litina, D., Pontiki, E., Kralj, M., Šuman, L., Zorc, B. "The novel ketoprofen amides - Synthesis and biological evaluation as antioxidants, lipoxygenase inhibitors and cytostatic agents", *Chem Biol Drug Des* 2010, 75 (6), 641-652
- 135.** Michael, A.J., Alexopoulos, C., Pontiki, E.A., Hadjipavlou-Litina, D.J., Saratsis, P., Ververidis, H.N., Boscov, C.M." Effect of N-acetyl-L-cysteine supplementation in semen extenders on semen quality and reactive oxygen species of chilled canine spermatozoa", *Reproduction in Domestic Animals* 2010, 45 (2), 201-207
- 136.** Kiritsakis, K., Kontominas, M.G., Kontogiorgis, C., Hadjipavlou-Litina, D., Moustakas, A., Kiritsakis, A." Composition and antioxidant activity of olive leaf extracts from Greek olive cultivars", *JAOCs*, 2010, 87 (4), 369-376
- 137.** Hadjipavlou-Litina, D., Magoulas, G.E., Bariamis, S.E., Drainas, D., Avgoustakis, K., Papaioannou, D. "Does conjugation of antioxidants improve their antioxidative/anti-inflammatory potential?", *Bioorg Med Chem* 2010, 18 (23), 8204-8217
- 138.** Balabani, A., Hadjipavlou-Litina, D.J., Litinas, K.E., Mainou, M., Tsironi, C.-C., Vronteli, A.," Synthesis and biological evaluation of (2,5-dihydro-1H-pyrrol-1-yl)-2H-chromen-2-ones as free radical scavengers". *Eur J Med Chem* 46 (12), pp. 5894-5901, 2011
- 139.** Litinas, K.E., Mangos, A., Nikkou, T.E., Hadjipavlou-Litina, D.J., "Synthesis and biological evaluation of fused oxepinocoumarins as free radicals scavenger", *J Enzyme Inh MedChem* 26 (6), 805-812, 2011
- 140.** Eleftheriou, P., Geronikaki, A., Hadjipavlou-Litina, D., Vicini, P., Filz, O., Filimonov, D., Poroikov, V., Saxena, A.K, "Fragment-based design, docking, synthesis, biological evaluation and structure-activity relationships of 2-benzo/benzisothiazolimino-5-arylidene-4-thiazolidinones as cyclooxygenase/lipoxygenase inhibitors". *Eur J Med Chem* Eur J Med Chem. 47(1):111-24, 2012

- 141.** Ilić, M., Kontogiorgis, C., Hadjipavlou-Litina, D., Ilaš, J., Kikelj, D., "Thrombin inhibitors with lipid peroxidation and lipoxygenase inhibitory activities", *Bioorg Med Chem Lett* 21 (16), pp. 4705-4709, 2011
- 142.** Katsori, A.-M., Chatzopoulou, M., Dimas, K., Kontogiorgis, C., Patsilnakos, A., Trangas, T., Hadjipavlou-Litina, "Curcumin analogues as possible anti-proliferative & anti-inflammatory agents", *Eur J Med Chem* 46 (7), pp. 2722-2735, 2011
- 143.** Moutevelis-Minakakis, P., Papavassilopoulou, E., Michas, G., Georgikopoulou, K., Ragoussi, M.-E., Neophytou, N., Zoumpoulakis, P., Hadjipavlou-Litina, D., "Synthesis, in silico docking experiments of new 2-pyrrolidinone derivatives and study of their anti-inflammatory activity", *Bioorg Med Chem* .9, 2888-2902, 2011
- 144.** Trakossas, S., Coutouli-Argyropoulou, E., Hadjipavlou-Litina, D.J., "Synthesis of modified triazole nucleosides possessing one or two base moieties via a click chemistry approach", *Tetrahedron Letters* 52 (14), 1673-1676, 2011
- 145.** Kontogiorgis C, Hadjipavlou-Litina D. "Thromboxane synthase inhibitors and thromboxane A2 receptor antagonists: a quantitative structure activity relationships (QSARs) analysis", *Curr Med Chem*. 2010, 17(28):3162-214
- 146.** Burguete, A., Pontiki, E., Hadjipavlou-Litina, D., Ancizu, S., Villar, R., Solano, B., Moreno, E., (...), Monge, A., "Synthesis and Biological Evaluation of New Quinoxaline Derivatives as Antioxidant and Anti-Inflammatory Agents", *Chem Biol Drug Des* 77 (4), pp. 255-267, 2011
- 147.** Rajić, Z., Hadjipavlou-Litina, D., Pontiki, E., Balzarini, J., Zorc, B., "The novel amidocarbamate derivatives of ketoprofen: Synthesis and biological activity ", *Med Chem Res* 20 (2), pp. 210-219, 2011
- 148.** Pontiki, E., Hadjipavlou-Litina, D., Litinas, K., Nicolotti, O., Carotti, A., "Design, synthesis and pharmacobiological evaluation of novel acrylic acid derivatives acting as lipoxygenase and cyclooxygenase-1 inhibitors with antioxidant and anti-inflammatory activities", *Eur J Med Chem* 46 (1), 191-200, 2011
- 149.** Neochoritis, C.G., Zarganes-Tzitzikas, T., Tsoleridis, C.A., Stephanidou-Stephanatou, J., Kontogiorgis, C.A., Hadjipavlou-Litina, D.J., Choli-Papadopoulou, T., "One-pot microwave assisted synthesis under green chemistry conditions, antioxidant screening, and cytotoxicity assessments of benzimidazole Schiff bases and pyrimido[1,2-a]benzimidazol-3(4H)-ones", *Eur J Med Chem* 46 (1), pp. 297-306, 2011
- 150.** Katsori AM, Hadjipavlou-Litina D. "Recent progress in therapeutic applications of chalcones". *Expert Opin Ther Pat*. 2011 Oct;21(10):1575-96
- 151.** Pontiki E. & Hadjipavlou-Litina D. "Histone Deacetylase Inhibitors (HDACIs). Structure activity relationships: history and new QSAR perspectives", *Med Res Rev*, 32 (1) ,1-165 , 2012
- 152.** Thalassitis A, Katsori AM, Dimas K, Hadjipavlou-Litina DJ, Pylaris F, Sakellaridis N, Litinas KE. "Synthesis and biological evaluation of modified purine homo-N-nucleosides containing pyrazole or 2-pyrazoline moiety." *J Enzyme Inhib Med Chem*. 2013 Jan 23
- 153.** Bariamis SE, Marin M, Athanassopoulos CM, 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 Eur J Med Chem. 2012, 60C:155-169.

154. Chioua M, Sucunza D, Soriano E, Hadjipavlou-Litina D, Alcázar A, Ayuso I, Oset-Gasque MJ, González MP, Monjas L, Rodríguez-Franco MI, Marco-Contelles J, Samadi A. A-aryl-N-alkyl nitrones, as potential agents for stroke treatment: synthesis, theoretical calculations, antioxidant, anti-inflammatory, neuroprotective, and brain-blood barrier permeability properties. J Med Chem. 2012 Jan 12;55(1):153-68

155. Perković I, Butula I, Kralj M, Martin-Kleiner I, Balzarini J, Hadjipavlou-Litina D, Katsori AM, Zorc B. Novel NSAID 1-acyl-4-cycloalkyl/arylsemicarbazides and 1-acyl-5-benzyloxy/hydroxy carbamoylcarbazides as potential anticancer agents and antioxidants. Eur J Med Chem. 2012, 51:227-38.

156. Kontogiorgis C, Detsi A, Hadjipavlou-Litina D. Coumarin-based drugs: a patent review (2008 -- present). Expert Opin Ther Pat. 2012 Apr;22(4):437-54.

157. Georgiou D, Toutountzoglou V, Muir KW, Hadjipavlou-Litina D, Elemes Y. Synthesis of sulfur containing dihydro-pyrrolo derivatives and their biological evaluation as antioxidants. Bioorg Med Chem. 2012 Sep 1;20(17):5103-9.

158. Radojević ID, Petrović ZD, Čomić LR, Simijonović D, Petrović VP, Hadjipavlou-Litina D. Biological evaluation of mechlorethamine-Pt(II) complex, part II: antimicrobial screening and *in vivo* study of the complex and its ligand Med Chem. 2012 Sep;8(5):947-52.

159. Gousiadou C, Gotfredsen CH, Matsa M, Hadjipavlou-Litina D, Skaltsa H. Minor iridoids from *Scutellaria albida* ssp. *albida*. Inhibitory potencies on lipoxygenase, linoleic acid lipid peroxidation and antioxidant activity of iridoids from *Scutellaria* sp. J Enzyme Inhib Med Chem. 2012

160. Kallitsakis MG, Hadjipavlou-Litina DJ, Litinas KE. Synthesis of purine homo-N-nucleosides modified with coumarins as free radicals scavengers(*). J Enzyme Inhib Med Chem. 2012 May 16. [Epub ahead of print]

161. Perković I, Tršinar S, Zanetić J, Kralj M, Martin-Kleiner I, Balzarini J, Hadjipavlou-Litina D, Katsori AM, Zorc B. Novel 1-acyl-4-substituted semicarbazide derivatives of primaquine - synthesis, cytostatic, antiviral and antioxidative studies. J Enzyme Inhib Med Chem. 2012 Mar 1.

162. Magoulas, G.E., Garnelis, T., Athanassopoulos, C.M., Papaioannou, D., Mattheolabakis, G., Avgoustakis, K., Hadjipavlou-Litina, D. Synthesis and antioxidative/anti-inflammatory activity of novel fullerene-polyamine conjugates, *Tetrahedron* 68 (35) , pp. 7041-7049, 2012

163. Repanas A, Katsori AM, Hadjipavlou-Litina D. Chalcones in Cancer: Understanding their Role in terms of QSAR. II part. Mini Rev Med Chem. 2012 Jul 30

- 164.** Apostolidis I, Liaras K, Geronikaki A, Hadjipavlou-Litina D, Gavalas A, Soković M, Glamočlija J, Synthesis and biological evaluation of some 5-arylidene-2-(1,3-thiazol-2-ylimino)-1,3-thiazolidin-4-ones as dual anti-inflammatory/antimicrobial agents. *Bioorg Med Chem.* 2013, 5;21(2):532-9
- 165.** Pontiki E, Kontogiorgis C, Xu Y, Hadjipavlou-Litina D, Luo Y. New lipoxygenase inhibitors of reactive oxygen species production in cellular models of amyloid (A₂) toxicities. *J Alzheimers Dis.* 2013;34(1):215-30
- 166.** Karastogianni S, Dendrinou-Samara C, Ioannou E, Raptopoulou CP, Hadjipavlou-Litina D, Girousi S. Synthesis, characterization, DNA binding properties and antioxidant activity of a manganese(II) complex with NO₆ chromophore, *J Inorg Biochem* 2013, 118:48-58
- 167.** Katsamakos S. and Hadjipavlou-Litina D. Inhibitors of Autotaxin: understanding their biological role in terms of Quantitative Structure Activity Relationships (QSAR) *Lett Drug Des Disc,* 2013, 10, 11-18
- 168.** Pontiki E. and Hadjipavlou-Litina D. Targeting lipoxygenases (loxs): drug design and discovery, *Cur Enz Inh,* 2013, 9 *in press*