

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-Isoxazolinyll 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.

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