

**Professor, Dr. Konstantinos Litinas,
Laboratory of Organic Chemistry, Chemistry Department,
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Year/Place of Birth: May 1955/ Rethymnon, Crete, Greece.

Family Status: Married, with a daughter and a son.

Undergraduate studies: 1973-1978, Chemistry Department, School of Sciences, Aristotle University of Thessaloniki, Thessaloniki, Greece. Bachelor in Chemistry (March 1978).

Postgraduate studies: 1978-1984, Laboratory of Organic Chemistry, Chemistry Department, School of Sciences, Aristotle University of Thessaloniki, Thessaloniki, Greece (under the supervision of Prof. D. N. Nicolaides). "Studies on reactions of o-quinones with phosphonium ylides" (PhD. Grade Excellent, May 1984).

Postdoctoral studies: 1992-1993, California Institute of Technology, Caltech, Pasadena, California, USA (Research in Olefin Metathesis, under the supervision of Prof. R. H. Grubbs, Nobel Laureate in Chemistry, 2005).

Fellowships: 1978-1981, Fellowship from National Fellowship Foundation (I.K.Y.) for PhD studies in Greece.

Academic Career: Laboratory of Organic Chemistry, Chemistry Department, School of Sciences, Aristotle University of Thessaloniki, Thessaloniki, Greece:

1981-1986: Scientific Fellow.

1986-1990: Lecturer.

1990-1999: Assistant Professor.

1999-2013: Associate Professor.

2013-now: Professor

Military service: 1984-1986.

Research areas:

- Organic Synthesis.
- Natural Products Synthesis.
- Synthesis of compounds with possible biological activity.
- Synthesis of modified N-homonucleosides
- Application of organometallic reagents in Organic Synthesis
- Applications of metal-nanoparticles in Organic Synthesis

Research Funding:

- PYTHAGORAS II, 2005 "Synthesis of new pyrano[2,3-h]chromen-6-ones (pyranocoumarins) and 4-aza-analogues and study of their biological activity".
- HERAKLEITUS II, 2010: "Synthesis and study of pyranoquinolinones (pyridocoumarins) and fused derivatives of them with possible biological interest" (PhD *T.Symeonidis*);

- HERAKLEITUS II, 2010: “Synthesis of homonucleosides and heterocyclic derivatives of purines with possible biological interest” (PhD A. *Thalassitis*);
- HERAKLEITUS II, 2010: “Synthesis and study of pyranoindolones (pyrrolocoumarins) and fused derivatives of them with possible biological interest” (PhD A. *Vronteli*).

Publications in Book Chapters:

Contribution with other colleagues in *Experimental Organic Chemistry, A. General Part*, Gartaganis Publishing., Thessaloniki, Greece, 2009 and in *Experimental Organic Chemistry, B. Specific Part*, Gartaganis Publishing., Thessaloniki, Greece, 2010.

Contribution with other colleagues to the translation of *Klein Organic Chemistry*, Utopia Publishing, Athens, Greece, 2015.

Publications in peer-reviewed Journals: 81

List of Publications:

«Study of the reactions of *o*-Quinones with Phosponium Ylides», K. E. Litinas, PhD.

Dissertation, Thessaloniki, Greece, 1984, p. 164.

1. D. N. Nicolaides, M. A. Kanetakis, K. E. Litinas.

Chim. Chronica, New Series, **1979**, 8, 187-192.

Preparation of Isoxazoles from Nitrile Oxides and Trimethylsilyl Enol Ethers *via* the corresponding 5-Trimethylsilyloxy- Δ^2 -isoxazolines.

2. D. N. Nicolaides, K. E. Litinas, I. Naidou

Chim. Chronica, New Series, **1982**, 11, 73-84.

Synthesis and Study of some symmetrically Diamino-substituted Glyoximes, Furoxans and Furazans.

3. D. N. Nicolaides, K. E. Litinas.

Chim. Chronica, New Series, **1982**, 11, 137-148.

Wittig Reactions of α -Dicarbonyl Compounds with Carbalkoxyalkylidene(triphenyl)-phosphoranes. Synthesis and Study of (Z)- and (E)-Isomeric Esters of some 4-Oxo- α,β -unsaturated Acids.

4. D. N. Nicolaides, K. E. Litinas

J. Chem. Research, (S), **1983**, 57; *(M)*, **1983**, 658-663.

Bis-Wittig Reactions of hexa-P-Phenyl-*o*-phenylenebismethylenediphosphorane with *o*-Quinones. Synthesis of Polycyclic Aromatic Compounds.

5. K. E. Litinas, D. N. Nicolaides.

J. Chem. Soc., Perkin Trans 1, **1985**, 429-435.

Reactions of *o*-Quinones with some bis-Phosphonium Salts in the Presense of Lithium Ethoxide.

6. D. N. Nicolaides, K. E. Litinas, N. G. Argyropoulos.

J. Chem. Soc., Perkin Trans. 1, **1986**, 415-419.

Reactions of *o*-Quinones with 2,5-Dimethylthiophene-3,4-diylbis(methylenetriphenylphosphonium Chloride) in the Presence of Lithium Hydroxide. Application of Phase Transfer Catalysis.

7. M. V. Papadopoulou, K. E. Litinas, D. N. Nicolaides.

J. Heterocyclic Chem., **1987**, 24, 337-340.

Synthesis of 3,3'-Biisoxazoles from Cyanogen-N,N'-dioxide and Trimethylsilyl Enol Ethers via the corresponding 5,5'-bis(trimethylsilyloxy)-3,3'- Δ^2 -biisoxazolines.

8. D. N. Nicolaides, D. A. Lefkaditis, P. S. Lianis, K. E. Litinas.

J. Chem. Soc., Perkin Trans. 1, **1989**, 2329-2333.

Reactions of Phenanthrene-9,10-quinone with Benzoyl- and Acetylmethylene(triphenyl)phosphoranes. Trapping of the *o*-Quinone Methanide Intermediates.

9. K. E. Litinas, D. N. Nicolaides, E. A. Varella.

J. Heterocyclic Chem., **1990**, 27, 769-774.

A convenient Synthesis of 4-Aryl-4H[1]benzopyrano[3,4-d]isoxazol-4-ones.

10. D. N. Nicolaides, S. G. Adamopoulos, D. A. Lefkaditis, K. E. Litinas.

J. Chem. Soc., Perkin Trans. 1, **1990**, 2127-2132.

Reactions of *o*-Quinones with Ethoxycarbonylmethylene(triphenyl)phosphorane. Trapping of the *ortho*-Quinone Methanide Intermediates.

11. D. N. Nicolaides, K. E. Litinas, G. K. Papageorgiou, J. Stephanidou-Stephanatou.

J. Heterocyclic Chem., **1991**, 28, 139-143.

Preparation of 9-Aryl(or Heteroaryl)methylidene-10-(methoxyimino)phenanthrenes and their Thermal Electrocyclisation to fused Quinolines.

12. D. N. Nicolaides, S. G. Adamopoulos, E. J. Hatzigrigoriou, K. E. Litinas.

J. Chem. Soc., Perkin Trans. 1, **1991**, 3159-3164.

Synthesis and Study of 10-(4-Methoxybenzylidene)-9-phenanthrone, a Stable *o*-Quinone Methanide.

13. D. N. Nicolaides, S. G. Adamopoulos, D. A. Lefkaditis, K. E. Litinas, P. V. Tarantili.

J. Chem. Soc., Perkin Trans. 1, **1992**, 283-289.

Reactions of Ethoxycarbonylmethylene(triphenyl)phosphorane with some *ortho*-Quinones in the Presence of Triphenylphosphine, Alcohols and Acetic Anhydride.

14. D. N. Nicolaides, S. G. Adamopoulos, D. A. Lefkaditis, K. E. Litinas.

J. Chem. Soc., Perkin Trans. 1, **1992**, 2479-2484.

Synthesis of α -Bromo substituted Ethyl (10-Acetoxyphenanthren-9-yl)acetate and 1-(10-Acetoxyphenanthren-9-yl)propan-2-one and their Transformation to *o*-Quinone Methanide.

15. K. E. Litinas, X. N. Stampelos.

J. Chem. Soc., Perkin Trans. 1, **1992**, 2981-2984.

Reactions of 3-Triphenylphosphoranylidene-[b]fused Furan-2(3*H*)-ones with some Salicylaldehydes. New Synthesis of 3-(2-Hydroxyaryl)-coumarins and Coumestans.

16. D. N. Nicolaidis, C. Bezergiannidou-Balouctsi, K. E. Litinas, E. Malamidou-Xenikaki, D. Mentzafos, A. Terzis.

J. Chem. Research. (S), **1993**, 108-109; *(M)*, **1993**, 826-851.

Reactions of 4-Methylchromene-2,7,8-trione with Phosphorus Ylides. Synthesis of Coumarins 7,8-Fused onto Furan, Pyran and Dioxole Rings.

17. C. Bezergiannidou-Balouctsi, K. E. Litinas, E. Malamidou-Xenikaki, D. N. Nicolaidis. *Liebigs Ann. Chem.*, **1993**, 1175-1177.

Reactions of 7-(Methoxyimino)-4-methyl-2*H*-chromene-2,8(7*H*)-dione with Phosphorus Ylides. Synthesis of 2-Substituted 6-Methyl-8*H*-[1]benzopyrano[7,8-*d*]oxazol-8-ones.

18. D. N. Nicolaidis, C. Bezergiannidou-Balouctsi, K. E. Litinas, E. Malamidou-Xenikaki, D. Mentzafos, A. Terzis.

Tetrahedron, **1993**, 49, 9127-9136.

1-8*H*-Pyrano[3,2-*g*]benzoxazol-8-ones from 7-Methoxyimino-4-methylchromene-2,8-dione.

19. D. N. Nicolaidis, K. C. Fylaktakidou, C. Bezergiannidou-Balouctsi, K. E. Litinas.

J. Heterocyclic Chem., **1994**, 31, 173-176.

Reactions of 4,6-Bis(acetyl)resorcinol with Alkoxy-carbonylalkylidene(triphenyl)-phosphoranes. Preparation of Coumarin Derivatives.

20. D. N. Nicolaidis, K. E. Litinas, D. A. Lefkaditis, S. G. Adamopoulos, C. P. Raptopoulou, A. Terzis.

J. Chem. Soc., Perkin Trans 1, **1994**, 2107-2112.

Reactions of α -Alkyl- or α -Halogenoalkoxycarbonylmethylenetriphenylphosphoranes with Phenanthrene-9,10-quinone. Synthesis of Phenanthro[9,10-*b*]furan Derivatives.

21. G. E. Lathourakis, K. E. Litinas.

J. Chem. Soc., Perkin Trans. 1, **1996**, 491-493.

Synthesis and Study of 3-(Triphenylphosphoranylidene)-2,3-dihydro-1*H*-indol-2-one.

22. D. N. Nicolaidis, K. C. Fylaktakidou, K. E. Litinas, D. Hadjipavlou-Litina.

J. Heterocyclic Chem., **1996**, 33, 967-971.

Synthesis and Biological Evaluation of some 4-(Isoxazolinyloxy or 1,2,4-Oxadiazolyl)coumarins.

23. D. N. Nicolaides, R. W. Awad, K. E. Litinas, E. Malamidou-Xenikaki. *Tetrahedron*, **1996**, *52*, 15007-15016.

Reactions of 7-Methoxyimino-4-methylchromene-2,8-dione with Phosphines. Preparation of N-Substituted 7-Amino-8-hydroxy-4-methyl-2*H*-[1]benzopyran-2-ones.

24. D. N. Nicolaides, C. Bezergiannidou-Balouctsi, R. W. Awad, K. E. Litinas, E. Malamidou-Xenikaki, A. Terzis, C. P. Raptopoulou.

J. Org. Chem., **1997**, *62*, 499-502.

Site Selective Diels-Alder Reactions of 7-(Methoxyimino)-4-methylchromene-2,8-dione with Alkenes.

25. K. E. Litinas, B. E. Salteris.

J. Chem. Soc. Perkin Trans. 1, **1997**, 2869-2872.

Unsaturated Macrocyclic Lactone Synthesis *via* Catalytic Ring Closing Metathesis.

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

Eur. J. Med. Chem., **1998**, *33*, 715-724.

Synthesis and Biological Evaluation of Several Coumarin-4-carboxamidoxime and 3-(Coumarin-4-yl)-1,2,4-oxadiazole Derivatives.

27. D. N. Nicolaides, K. C. Fylaktakidou, K. E. Litinas, S. G. Adamopoulos.

J. Heterocyclic Chem., **1998**, *35*, 91-96.

The Synthesis of Some Pyrano[2,3-*g*]chromene-2,7-diones and Furo[2,3-*g*]chromene-6-ones.

28. D. N. Nicolaides, K. C. Fylaktakidou, K. E. Litinas, G. K. Papageorgiou, D. J. Hadjipavlou-Litina.

J. Heterocyclic Chem., **1998**, *35*, 619-625.

1,3-Cycloaddition Reactions of 2-Oxo-2*H*-[1]benzopyran-4-carbonitrile N-Oxide. Synthesis of Several New 4-Substituted Coumarins.

29. J. K. Gallos, T. V. Koftis, V. C. Sarli, K. E. Litinas.

J. Chem. Soc., Perkin Trans. 1, **1999**, 3075-3077.

A straightforward synthesis of perbenzylated conduritols from alditols by ring closing olefin metathesis.

30. K. C. Fylaktakidou, D. R. Gautam, D. J. Hadjipavlou-Litina, C. A. Kontogiorgis, K. E. Litinas, D. N. Nicolaides.

J. Chem. Soc., Perkin Trans 1, **2001**, 3073-3079.

Reactions of 4-methylchromene-2,7,8-trione with phosphonium ylides. Synthesis and evaluation of fused 1,3-dioxolocoumarins as antioxidants and antiinflammatories.

31. A. A. Emmanuel-Giota, K. C. Fylaktakidou, D. J. Hadjipavlou-Litina, K. E. Litinas, D. N. Nicolaidis.

J. Heterocyclic Chem., **2001**, *38*, 717-722.

Synthesis and biological Evaluation of Several 3-(Coumarin-4-yl)tetrahydroisoxazole and 3-(Coumarin-4-yl)dihydropyrazole derivatives.

32. D. N. Nicolaidis, D. R. Gautam, K. E. Litinas, C. Manouras, K. C. Fylaktakidou. *Tetrahedron*, **2001**, *57*, 9469-9474.

Reactions of 2-(methoxyimino)benzene-1-ones with α -alkylethoxycarbonylmethylene(triphenyl)phosphoranes.

33. D. N. Nicolaidis, D. R. Gautam, K. E. Litinas, T. Papamehael.

J. Chem. Soc., Perkin Trans 1, **2002**, 1455-1460.

Synthesis of some 3,4-dihydro-2*H*-benzo[f]pyrano[2,3-*h*]chromen-6-one derivatives.

34. D. R. Gautam, K. E. Litinas, K. C. Fylaktakidou, D. N. Nicolaidis.

J. Heterocyclic Chem., **2003**, *40*, 399-404.

Reactions of *o*-quinones with α -methyl (or methylene)substituted phosphorus ylides. Synthesis of benzo[b]furan derivatives.

35. D. R. Gautam, K. E. Litinas, K. C. Fylaktakidou, D. N. Nicolaidis.

Phosphorus, Sulfur, and Silicon, **2003**, *178*, 1851-1864.

Synthesis of some [1,3]benzodioxoles via the reaction of *o*-quinones with phosphorus ylides.

36. D. N. Nicolaidis, D. R. Gautam, K. E. Litinas, D. J. Hadjipavlou-Litina, K. C. Fylaktakidou.

Eur. J. Med. Chem. **2004**, *39*, 323-332.

Synthesis and evaluation of the antioxidant and anti-inflammatory activity of some benzo[l]khellactone derivatives and analogues.

37. D. N. Nicolaidis, K. E. Litinas, I. Vrasidas, K. C. Fylaktakidou.

J. Heterocyclic Chem., **2004**, *41*, 499-503.

Thermal transformation of arylamidoximes in the presence of phosphorus ylides. Unexpected formation of 3-aryl-5-arylamino-1,2,4-oxadiazoles.

38. D. N. Nicolaidis, D. R. Gautam, K. E. Litinas, D. J. Hadjipavlou-Litina, C. A. Kontogiorgis.

J. Heterocyclic Chem., **2004**, *41*, 605-611.

Synthesis and biological evaluation of benzo[7,8]chromeno[5,6][1,4]oxazin-3-ones.

39. K. C. Fylaktakidou, D. J. Hadjipavlou-Litina, K. E. Litinas, D. N. Nicolaidis. *Curr. Pharm. Des.*, **2004**, *10*, 3813-3833. (Review).

Natural and synthetic coumarin derivatives with anti-inflammatory/antioxidant activities.

40. D. N. Nicolaides, K. E. Litinas, T. Papamehael, H. Grzeskowiak, D. R. Gautam, K. C. Fylaktakidou.

Synthesis, **2005**, 407-410.

An easy transformation of 2-amino-2-(hydroxyimino)acetates to carbamoylformamidoximes.

41. Y. Gounaris, J.-Y. Berthon, C. Litinas, L. Leondiadis, N. Tsiropoulos.

J. Food, Agriculture & Environment, **2005**, 3, 161-168.

Spectroscopic comparison of rose callus methanol-extractable lignin to lignin extracted from differentiated rose tissue by alkaline treatment.

42. K. C. Fylaktakidou, K. E. Litinas, A. Saragliadis, S. G. Adamopoulos, D. N. Nicolaides.

J. Heterocyclic Chem., **2006**, 43, 579-583.

Synthesis of oxadiazoloquinoxaline, oxathiadiazoloquinoxaline and oxadiazolobenzothiazin derivatives.

43. V. Baldoumi, D. R. Gautam, K. E. Litinas, D. N. Nicolaides.

Tetrahedron, **2006**, 62, 8016-8020.

Convenient synthesis of linear pyrano[3,2-g]- [2,3-g]- and angular pyrano[3,2-f]coumarins from 4-[(1,1-dimethyl-2-propynyl)oxy]phenol.

44. M. Tsoukka, K. E. Litinas, D. N. Nicolaides, D. J. Hadjipavlou-Litina.

J. Heterocyclic Chem., **2007**, 44, 529-534.

Synthesis and biological evaluation of new benzo[f]furo[2,3-h]- and benzo[f]pyrano[2,3-h]coumarin derivatives.

45. E. Galariniotou, V. Fragos, A. Makri, K. E. Litinas, D. N. Nicolaides. *Tetrahedron*, **2007**, 63, 8298-8304.

Synthesis of novel pyridocoumarins and benzo- fused 6-azacoumarins.

46. D. J. Hadjipavlou-Litina, K. E. Litinas, C. Kontogiorgis.

Anti-inflammatory & anti-allergy agents in Curr. Med. Chem., **2007**, 6, 293-306. (Review)

The anti-inflammatory effect of coumarin and its derivatives.

47. C. Kontogiorgis, K. E. Litinas, A. Makri, D. N. Nicolaides, A. Vronteli, D. J. Hadjipavlou-Litina, E. Pontiki, A. Siohou.

J. Enz. Inh. Med. Chem., **2008**, 23, 43-49.

Synthesis and biological evaluation of novel angularly fused pyrrolocoumarins.

48. M. Ispikoudi, K. E. Litinas, K. C. Fylaktakidou.

Heterocycles, **2008**, 75, 1321-1328.

A convenient synthesis of 5-amino-substituted-1,2,4-oxadiazole derivatives via reactions of amidoximes with carbodiimides.

49. K. C. Fylaktakidou, D. J. Hadjipavlou-Litina, K. E. Litinas, E. A. Varela, D. N. Nicolaidis.

Curr. Pharm. Des., **2008**, *14*, 1001-1047. (Review).

Recent developments in the chemistry and in the biological applications of amidoximes.

50. D. R. Gautam, J. Protopappas, K. C. Fylaktakidou, K. E. Litinas, D. N. Nicolaidis, C. A. Tsoleridis.

Tetrahedron Lett., **2009**, *50*, 448-451.

Unexpected one-pot synthesis of new polycyclic coumarin[4,3-c]pyridine derivatives via a tandem hetero-Diels-Alder and 1,3-dipolar cycloaddition reaction.

51. T. Symeonidis, M. Chamilos, D. J. Hadjipavlou-Litina, M. Kallitsakis, K. E. Litinas. *Bioorg. Med. Chem. Lett.*, **2009**, *19*, 1139-1142.

Synthesis of hydroxycoumarins and hydroxybenzo[f]- or [h]coumarins as lipid peroxidation inhibitors.

52. A. Thalassitis, D. J. Hadjipavlou-Litina, K. E. Litinas, P. Miltiadou.

Bioorg. Med. Chem. Lett., **2009**, *19*, 6433-6436.

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.

53. T. Symeonidis, K. C. Fylaktakidou, D. J. Hadjipavlou-Litina, K. E. Litinas.

Eur. J. Med. Chem., **2009**, *44*, 5012-5017.

Synthesis and anti-inflammatory evaluation of novel angularly or linearly fused coumarins.

54. K. E. Litinas, T. S. Symeonidis.

Tetrahedron, **2010**, *66*, 1289-1293.

Convenient synthesis of fused pyrano[3,2-h]- and furo[3,2-h]benzo[f]coumarins from naphthalene-2,3-diols.

55. M. Ispicoudi, M. Amvrazis, C. Kontogiorgis, A. E. Koumbis, K. E. Litinas, D. J. Hadjipavlou-Litina, K. C. Fylaktakidou.

Eur. J. Med. Chem., **2010**, *45*, 5635-5645.

Convenient Synthesis and Biological Profile of 5-Amino-substituted 1,2,4-oxadiazole Derivatives.

56. K. E. Litinas, A. Thalassitis.

Tetrahedron Lett., **2010**, *51*, 6451-6453.

Synthesis of fused dihydropyrido[e]purines via ring closing metathesis.

57. E. Pontiki, D. Hadjipavlou-Litina, K. Litinas, O. Nicolotti, A. Carrotti.

Eur. J. Med. Chem., **2011**, *46*, 191-200.

Design, synthesis and pharmacological evaluation of novel acrylic acid derivatives acting as lipoxygenase and cyclooxygenase-1 inhibitors with antioxidant and anti-inflammatory activities.

58. T. S. Symeonidis, M. G. Kallitsakis, K. E. Litinas.

Tetrahedron Lett. **2011**, *52*, 5452-5455.

Synthesis of [5,6]-fused pyridocoumarins through aza-Claisen rearrangement of 6-propargylaminocoumarins.

59. D. N. Nicolaidis, K. E. Litinas, I. Psaroulis, A. Makri, S. Adamopoulos. *Phosphorus, Sulfur, and Silicon* **2011**, *186*, 2104-2111.

Reactions between 4-hydroxycoumarins or 4-hydroxy-1-methylquinolinone and DMAD in the presence of phosphites. Synthesis of (chromen-3-yl)- and (quinolin-3-yl)-(dialkoxyphosphoryl)succinates.

60. A. Balabani, D. J. Hadjipavlou-Litina, K. E. Litinas, M. Mainou, C.-C. Tsironi, A. Vronteli.

Eur. J. Med. Chem. **2011**, *46*, 5894-5901.

Synthesis and biological evaluation of (2,5-dihydro-1H-pyrrol-1-yl)-2H-chromen-2-ones as free radical scavengers.

61. K. E. Litinas, A. Mangos, T. E. Nikkou, D. J. Hadjipavlou-Litina.

J. Enz. Inh. Med. Chem. **2011**, *26*, 805-812.

Synthesis and biological evaluation of fused oxepinocoumarins as free radical scavengers.

62. T. S. Symeonidis, I. N. Lykakis, K. E. Litinas.

Tetrahedron **2013**, *69*, 4612-4616.

Synthesis of quinolines and fused pyridocoumarins from N-propargylanilines or propargylaminocoumarins by catalysis with gold nanoparticles supported on TiO₂.

63. M. G. Kallitsakis, D. J. Hadjipavlou-Litina, K. E. Litinas.

J. Enz. Inh. Med. Chem. **2013**, *28*, 765-775.

Synthesis of purine homo-N-nucleosides modified with coumarins as free radicals scavengers.

64. T. S. Symeonidis, K. E. Litinas.

Tetrahedron Lett. **2013**, *54*, 6517-6519.

Synthesis of methyl substituted [5,6]- and [7,8]-fused pyridocoumarins via the iodine-catalyzed reaction of aminocoumarins with n-butyl vinyl ether.

65. M. G. Kallitsakis, D. J. Hadjipavlou-Litina, A. Peperidou, K. E. Litinas.

Tetrahedron Lett. **2014**, *55*, 650–653.

Synthesis of 4-hydroxy-3-[(E)-2-(6-substituted-9H-purin-9-yl)vinyl]coumarins as lipoxygenase inhibitors.

66. A. Thalassitis, A. - M. Katsori, K. Dimas, D. J. Hadjipavlou-Litina, F. Pylaris, N. Sakellaridis, K. E. Litinas.

J. Enz. Inh. Med. Chem. **2014**, *29*, 109-117.

Synthesis and biological evaluation of modified purine homo-*N*-nucleosides containing pyrazole or 2-pyrazoline moiety.

67. T. S. Symeonidis, D. J. Hadjipavlou-Litina, K. E. Litinas.

J. Heterocyclic Chem., **2014**, *51*, 642-647.

Synthesis Through Three-Component Reactions Catalyzed by FeCl₃ of Fused Pyridocoumarins as Inhibitors of Lipid Peroxidation.

68. Y. Gounaris, C. Litinas, E. Evgenidou

Hypothesis **2014**, *12*(1): e5, doi:10.5779/hypothesis.v12i1.369.

A possible prebiotic function of cytosine as amino acid synthesizer.

69. E. Pontiki, D. Hadjipavlou-Litina, K. Litinas, G. Geromichalos

Molecules **2014**, *19*, 9655-9674.

Novel Cinnamic Acid Derivatives as Antioxidant and Anticancer Agents: Design, Synthesis and Modeling Studies

70. M. G Kallitsakis, M. Yapez, E. Soriano, J. Marco-Contelles, D. J Hadjipavlou-Litina, K. E Litinas,

Future Medicinal Chemistry **2015** FMC 7 (2) 103-110.

Purine homo-*N*-nucleoside+coumarin hybrids as pleiotropic agents for the potential treatment of Alzheimer's disease.

71. A. N. Thalassitis, D. J. Hadjipavlou-Litina, K. E. Litinas

J. Heterocyclic Chem., (DOI 10.1002/jhet.2049) **2015**, *52*, 366-372

Synthesis of Fused 9,10-Dihydro-6H-Azepino- and 9,10-Dihydro-6H-[1,3]

Diazepino[1,2-*e*]Purines via Ring Closing Metathesis as Antilipid Peroxidation Agents.

72. A. Vronteli, D. J. Hadjipavlou-Litina, M. Konstantinidou, K. E. Litinas

ARKIVOC **2015** (iii) 111-123.

Synthesis of fused pyranocarbazolones with biological interest.

73. Y. Gounaris, C. Litinas, E. Evgenidou, C. Petrotos

Hypothesis **2015**, *13*(1): e7, doi:10.5779/hypothesis.v13i1.393.

A hypothesis on the possible contribution of free hypoxanthine and adenine bases in prebiotic amino acid synthesis.

74. T. Balalas, C. Peperidou, D. J. Hadjipavlou-Litina, K. E. Litinas

Synthesis **2016**, 48, 281–292

Phenyliodine(III) Bis(trifluoroacetate) Mediated Synthesis of 6-Piperidinylpurine Homo-*N*-nucleosides Modified with Isoxazolines or Isoxazoles.

75. T. Balalas, A. Abdul-Sada, D. J. Hadjipavlou-Litina, K. E. Litinas

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Reviewer for Journals:

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Member of Chemical Societies:

Member of the Association of Greek Chemists.

Member of the American Chemical Society

Member of the International Society of Heterocyclic Chemistry