

## 12.6 Αναλυτικός ενιαίος κατάλογος συνολικών δημοσιεύσεων διδασκόντων Τμήματος

Στον παρόν κατάλογο εμφανίζονται οι συνολικές δημοσιεύσεις των κάτωθι διδασκόντων του Τμήματος με την εξής σειρά:

1. Καραντώνης Χαράλαμπος, *Επίκουρος Καθηγητής*
2. Σκάλκος Δημήτριος, *Επίκουρος Καθηγητής*
3. Γκιαούρης Ευστάθιος, *Λέκτορας Καθηγητής*
4. Μακρής Δημήτριος, *Λέκτορας Καθηγητής*
5. Αναστασίου Κωνσταντίνος, *Διδάσκων βάσει ΠΔ407/80*
6. Βάσιος Γεώργιος, *Διδάσκων βάσει ΠΔ407/80*
7. Γιαγκίνης Κωνσταντίνος, *Διδάσκων βάσει ΠΔ407/80 (Επίκουρος Καθηγητής υπό διορισμό)*

*Απουσιάζουν οι δημοσιεύσεις των Διδασκόντων του ακαδημαϊκού έτους 2010-11 βάσει ΠΔ407/80: Θεοφανέλλη Τίμου και Ρακιτζή Αθανασίου (οι συγκεκριμένοι δεν απασχολούνται πλέον στο Τμήμα).*

<b>ΚΑΡΑΝΤΩΝΗΣ ΧΑΡΑΛΑΜΠΟΣ – Επίκουρος Καθηγητής</b>
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### **Εργασίες σε διεθνή επιστημονικά περιοδικά με κριτές**

1. Verouti, S.N., Fragopoulou, E., Karantonis, H.C., Dimitriou, A.A., Tselepis, A.D., Antonopoulou, S., Nomikos, T., Demopoulos, C.A. PAF effects on MCP-1 and IL-6 secretion in U-937 monocytes in comparison with OxLDL and IL-1 $\beta$  effects. (2011) *Atherosclerosis*. Article in Press
2. Constantina Nasopoulou, Haralabos C. Karantonis, Ioannis Zabetakis (Greece) Nutritional Value of Gilthead Sea Bream and Sea Bass. (2011) *Dynamic Biochemistry, Process Biotechnology and Molecular Biology*, 5 (1), pp 32-40.
3. Tsantila, N., Karantonis, H.C., Perrea, D.N., Theocharis, S.E., Iliopoulos, D.G., Iatrou, C., Antonopoulou, S., Demopoulos, C.A. Atherosclerosis regression study in rabbits upon olive pomace polar lipid extract administration (2010) *Nutrition, Metabolism and Cardiovascular Diseases*, 20 (10), pp. 740-747.
4. Xanthopoulou, M.N., Fragopoulou, E., Kalathara, K., Nomikos, T., Karantonis, H.C., Antonopoulou, S. Antioxidant and anti-inflammatory activity of red and white wine extracts (2010) *Food Chemistry*, 120 (3), pp. 665-672.
5. Nasopoulou, C., Karantonis, H.C., Perrea, D.N., Theocharis, S.E., Iliopoulos, D.G., Demopoulos, C.A., Zabetakis, I. In vivo anti-atherogenic properties of cultured gilthead sea bream (*Sparus aurata*) polar lipid extracts in hypercholesterolaemic rabbits (2010) *Food Chemistry*, 120 (3), pp. 831-836.
6. Karantonis, H.C., Gribilas, G., Stamoulis, I., Giaginis, C., Spiliopoulou, C., Kouraklis, G., Demopoulos, C., Theocharis, S.E. Platelet-activating factor involvement in thioacetamide-induced experimental liver fibrosis and cirrhosis (2010) *Digestive Diseases and Sciences*, 55 (2), pp. 276-284.
7. Karantonis, H.C., Nomikos, T., Demopoulos, C.A. Triacylglycerol metabolism (2009) *Current Drug Targets*, 10 (4), pp. 302-319.
8. Nasopoulou, C., Karantonis, H.C., Andriotis, M., Demopoulos, C.A., Zabetakis, I. Antibacterial and anti-PAF activity of lipid extracts from sea bass (*Dicentrarchus labrax*) and gilthead sea bream (*Sparus aurata*) (2008) *Food Chemistry*, 111 (2), pp. 433-438.
9. Karantonis, H.C., Tsantila, N., Stamatakis, G., Samiotaki, M., Panayotou, G., Antonopoulou, S., Demopoulos, C.A. Bioactive polar lipids in olive oil, pomace and waste byproducts (2008) *Journal of Food Biochemistry*, 32 (4), pp. 443-459.
10. Aronis, P., Antonopoulou, S., Karantonis, H.C., Phenekos, C., Tsoukatos, D.C. Effect of fast-food Mediterranean-type diet on human plasma oxidation (2007) *Journal of Medicinal Food*, 10 (3), pp. 511-520.
11. Tsantila, N., Karantonis, H.C., Perrea, D.N., Theocharis, S.E., Iliopoulos, D.G., Antonopoulou, S., Demopoulos, C.A. Antithrombotic and antiatherosclerotic properties of olive oil and olive pomace polar extracts in rabbits (2007) *Mediators of Inflammation*, 2007, art. no. 36204, .
12. Fragopoulou, E., Nomikos, T., Karantonis, H.C., Apostolakis, C., Pliakis, E., Samiotaki, M., Panayotou, G., Antonopoulou, S. Biological activity of acetylated phenolic compounds (2007) *Journal of Agricultural and Food Chemistry*, 55 (1), pp. 80-89.
13. Antonopoulou, S., Fragopoulou, E., Karantonis, H.C., Mitsou, E., Sitara, M., Rementzis, J., Mourelatos, A., Ginis, A., Phenekos, C. Effect of traditional Greek Mediterranean meals on platelet aggregation in normal subjects and in patients with type 2 diabetes mellitus (2006) *Journal of Medicinal Food*, 9 (3), pp. 356-362.
14. Nomikos, T., Karantonis, H.C., Skarvelis, C., Demopoulos, C.A., Zabetakis, I. Antiatherogenic properties of lipid fractions of raw and fried fish (2006) *Food Chemistry*, 96 (1), pp. 29-35.

15. Karantonis, H.C., Antonopoulou, S., Perrea, D.N., Sokolis, D.P., Theocharis, S.E., Kavantzias, N., Iliopoulos, D.G., Demopoulos, C.A. In vivo antiatherogenic properties of olive oil and its constituent lipid classes in hyperlipidemic rabbits (2006) *Nutrition, Metabolism and Cardiovascular Diseases*, 16 (3), pp. 174-185.
16. Karantonis, H.C., Fragopoulou, E., Antonopoulou, S., Rementzis, J., Phenekos, C., Demopoulos, C.A.
17. Effect of fast-food Mediterranean-type diet on type 2 diabetics and healthy human subjects' platelet aggregation (2006) *Diabetes Research and Clinical Practice*, 72 (1), pp. 33-41.
18. Karantonis, H.C., Pitsinos, E.N., Antonopoulou, S., Couladouros, E.A., Demopoulos, C.A. Synthesis and biological evaluation of novel steroid-modified ether phospholipids (2005) *Chemistry and Physics of Lipids*, 138 (1-2), pp. 12-19.
19. Antonopoulou, S., Karantonis, H.C., Nomikos, T., Oikonomou, A., Fragopoulou, E., Pantazidou, A. Bioactive polar lipids from *Chroococcidiopsis* sp. (Cyanobacteria) (2005) *Comparative Biochemistry and Physiology - B Biochemistry and Molecular Biology*, 142 (3), pp. 269-282.
20. Demopoulos, C.A., Karantonis, H.C., Antonopoulou, S. Platelet activating factor - A molecular link between atherosclerosis theories (2003) *European Journal of Lipid Science and Technology*, 105 (11), pp. 705-716.
21. Karantonis, H.C., Zabetakis, I., Nomikos, T., Demopoulos, C.A. Antiatherogenic properties of lipid minor constituents from seed oils (2003) *Journal of the Science of Food and Agriculture*, 83 (12), pp. 1192-1204.
22. Antonopoulou, S., Oikonomou, A., Karantonis, H.C., Fragopoulou, E., Pantazidou, A. Isolation and structural elucidation of biologically active phospholipids from *Scytonema julianum* (cyanobacteria) (2002) *Biochemical Journal*, 367 (1), pp. 287-293.
23. Antonopoulou, S., Karantonis, H.C. Separation of polar lipids from soybean oil and cotton seed oil by one-step HPLC system. Biological activity of isolated lipids (2002) *Journal of Liquid Chromatography and Related Technologies*, 25 (5), pp. 771-779.
24. Karantonis, H.C., Antonopoulou, S., Demopoulos, C.A. Antithrombotic lipid minor constituents from vegetable oils. Comparison between olive oils and others (2002) *Journal of Agricultural and Food Chemistry*, 50 (5), pp. 1150-1160.
25. Nomikos, T., Karantonis, H.C., Fragopoulou, E., Demopoulos, C.A. One-step separation system for the main phospholipids, glycolipids, and phenolics by normal phase HPLC. Application to polar lipid extracts from olive and sunflower oils (2002) *Journal of Liquid Chromatography and Related Technologies*, 25 (1), pp. 137-149.
26. Panayiotou, A., Samartzis, D., Nomikos, T., Fragopoulou, E., Karantonis, H.C., Demopoulos, C.A., Zabetakis, I. Lipid fractions with aggregatory and antiaggregatory activity toward platelets in fresh and fried cod (*Gadus morhua*): Correlation with platelet-activating factor and atherogenesis (2000) *Journal of Agricultural and Food Chemistry*, 48 (12), pp. 6372-6379.

#### **Κεφάλαια σε συλλογικούς τόμους**

1. Antonopoulou, S., Nomikos, T., Karantonis, H.C., Fragopoulou, E. and Demopoulos, C.A. PAF, a potent lipid mediator. In: *Bioactive Phospholipids: Role in Inflammation and Atherosclerosis*. Editor A.Tselepis.
2. Antonopoulou, S., Karantonis, H.C. and Nomikos, T. Antithrombotic and antiatherogenic lipid minor constituents from olive oil. In: *Olive oil: Minor constituents and health*. Editor D.Boskou, Taylor and Francis, 2008.
3. Antonopoulou, S., Nomikos, T., Fragopoulou, E. and Karantonis, H.C. Isolation and characterisation of cyanobacterial lipids with bioactivity towards platelet-aggregation. In: *Protocols on Algal and Cyanobacterial Research*. S.N. Bagchi (Editor), Diethelm Kleiner (Editor), Prasanna Mohanty (Editor). Alpha Science International Ltd. 6 May 2010
4. Καραντώνης Χ. Χαράλαμπος. Παράγοντες διατροφικής επικινδυνότητας. Στο: "Νομοθεσία Τροφίμων και Διατροφικοί Κίνδυνοι". Εκδόσεις Σταμούλη. 2011
5. Καραντώνης Χ. Χαράλαμπος, Θεοχάρης Σταμάτιος. Αξιολόγηση διατροφικής επικινδυνότητας Στο: "Νομοθεσία Τροφίμων και Διατροφικοί Κίνδυνοι". Εκδόσεις Σταμούλη. 2011
6. Καραντώνης Χ. Χαράλαμπος, Σταματάκης Γεώργιος. Αντιαθηρογόνες ιδιότητες Μικροσυστατικών του Ελαιολάδου και των Παραπροϊόντων της Ελαιουργίας. Στο: «Από την Κρίση στη Βιώσιμη Ανάπτυξη – Ειδικά Θέματα Βιώσιμης Ανάπτυξης». Εκδότης: Μπαμπανάσης Στέργιος. Υπό Έκδοση

#### **Ανακοινώσεις σε διεθνή συνέδρια**

1. Zabetakis, I., Panayiotou, A., Samartzis, D., Nomikos, T., Fragopoulou, E., Karantonis, H.C., Demopoulos, C.A. The effect of frying on cod (*Gadus Morhua*): Correlation with Platelet-Activating Factor (PAF) and atherogenesis. International Congress of Food Production and the Quality of Life. Sassari, Italy. September 4-8, 2000.
2. Kotsifaki, H., Baltas, G., Antonopoulou, S., Tsoupras, A., Nomikos, Tz., Fragopoulou, E., Karantonis, H.C., Mantzavinos, Z., Demopoulos, C.A. Identification of the new PAF analog (OHPAF) from gingival tissues in the blood of periodontal patients. 7th International Congress on Platelet-Activating Factor and Lipid Mediators. Waseda University International Conference Center. Tokyo, Japan. September 24-27, 2001.

3. Karantonis, H.C., Antonopoulou, S., Demopoulos, C.A. A Biochemical Approach of the Antiatherogenic Properties of Olive Oil and Its Protective Role Against Coronary Heart Disease. 93rd AOCS Annual Meeting & Expo. Montréal, Québec, Canada, May 5-8, 2002, S119. (προφορική ανακοίνωση μετά από πρόσκληση)
4. Karantonis, H.C., Antonopoulou, S. Demopoulos, C.A. Platelet-Activating Factor: A Molecular link of the accepted atherosclerotic theories. Greek Thrombosis Days. Medical Faculty of the Aristotelian University, Haemostasis Unit., December 18-19, 2003.
5. Gribilas, G., Stamoulis, J., Karantonis, H.C., Tsantila, N., Demopoulos, Theocharis, S. Induction of Liver Fibrosis in the Rat did not Affect Liver Platelet-Activating Factor Activity. 10<sup>th</sup> International Congress of Toxicology, July 11-15, 2004, Tampere, Finland. [Toxicol Appl Pharmacol. 2004, 197: 137– 375].
6. Antonopoulou, S., Nomikos, T., Fragopoulou, E., Karantonis, H.C., Perrea, D.N., Phenekos, C., Demopoulos, C.A. Paf Inhibitors in Greek Foods. 5th International Conference on Nutrition and Fitness. War Museum of Athens – Hellas (Greece), June 9-12, 2004.
7. Karantonis, H.C., Antonopoulou, S., Demopoulos C.A. The antiatherogenic properties of lipid olive oil microconstituents. 2nd International conference, Traditional Mediterranean Diet: Past Present and Future. 20-22 April 2005. National Hellenic Research Foundation, Athens, Greece.
8. Antonopoulou S., Karantonis H.C., Nomikos T., Oikonomou A., Fragopoulou E., Pantazidou A. Bioactive lipids from *Chroococcidiopsis* sp. (cyanobacteria). Hellenic Society of Biochemistry & Molecular Biology. 57th Meeting, December 9-11, Foundation for Biomedical Research of the Academy of Athens, Athens 2005. Newsletter, 2005, 52, 33.
9. Karantonis, H.C., Tsantila, N., Antonopoulou, S., et al. In vivo antiatherogenic properties of olive oil and its constituent lipid classes in hyperlipidemic rabbits. FEBS Special Meeting: 45th ICBL, May 25-29, 2004, Ioannina, Greece. [Chem Phys Lipids. 2004, 130 (1): 59-59].
10. Antonopoulou S., Fragopoulou E., Karantonis H. C., Mitsou E., Sitara M., Phenekos C. Effect of traditional Greek Mediterranean meals on platelet aggregation in normal subjects and in patients with diabetes mellitus 2. FEBS Special Meeting: 45th ICBL, May 25-29, 2004, Ioannina, Greece. [Chem Phys Lipids. 2004, 130 (1): 61].
11. Karantonis, H.C., Antonopoulou, S., Perrea D.N., Theocharis S.E., Kavantzias F., Iliopoulos D.G., Sokolis D., Demopoulos C.A. Biological effects of lipids from olive oil and olive pomace, in early atherosclerosis development. Implication of Platelet Activating Factor (PAF). 2nd International conference, Traditional Mediterranean Diet: Past Present and Future. 20-22 April 2005. National Hellenic Research Foundation Athens, Greece.
12. Antonopoulou, S., Fragopoulou, E., Karantonis, H. C., Mitsou, E., Sitara, M., Mourelatos, A., Ginis, A., Phenekos, C. Consumption of traditional Greek Mediterranean meals reduces the sensitivity of volunteer's platelets against PAF. A novel approach on the explanation of Mediterranean diet benefits. 2nd International conference, Traditional Mediterranean Diet: Past Present and Future. 20-22 April 2005. National Hellenic Research Foundation Athens, Greece. 20
13. Karantonis, H.C., Fragopoulou, E., Phenekos, C., Demopoulos, C.A. Effects of lipids from a Greek quick casual Mediterranean-type diet on cardiovascular disease. Implication of Platelet Activating Factor (PAF). 2nd International conference, Traditional Mediterranean Diet: Past Present and Future. 20-22 April 2005. National Hellenic Research Foundation, Athens, Greece.
14. Nasopoulou C., Zabetakis I., Nomikos T., Karantonis H.C., Rementzias J., Demopoulos C.A. Biologically active lipid fractions with antiatherogenic properties from fish and cephalopods of the Mediterranean diet. 2nd International conference, Traditional Mediterranean Diet: Past Present and Future. 20-22 April 2005. National Hellenic Research Foundation Athens, Greece.
15. Nomikos, T., Fragopoulou, E., Rekliti, E., Karantonis, H.C., Antonopoulou, S. IL-1 $\beta$  induces a rapid and transient increase of intracellular platelet activating factor in a human mesangial cell line- Modulation by an olive oil polar lipid extract. FEBS Special Meeting: 48th ICBL, September 4-8, 2007, Turku, Finland. [Chem Phys Lipids. 2007, 149: S67].
16. Fragopoulou, E., Nomikos, T., Miliesis, G., Oikonomou, C., Karantonis, H.C., Antonopoulou, S., Effect of olive oil and wine Extracts on IL-1 $\beta$  induced cytokines secretion in human mesangial cells. 5th Euro Fed Lipid Congress and 24th Symposium of the Nordic lipidorum. Oils, fats and lipids: from science to applications. Innovations for a better world. September 6-19, 2007, Gothenburg, Sweden.
17. Fragopoulou, E., Nomikos, T., Karantonis, H.C., Antonopoulou, S. Pleiotropic actions of IL-1 $\beta$  and PAF on human mesangial cells. PP197. 59th National Conference of Biochemistry and Molecular Biology. December 7-9, 2007, Athens, Greece.

18. Nomikos, T., Fragopoulou, E., Karantonis, H.C., Antonopoulou, S. Anti-inflammatory actions of olive oil extracts (OPL) on human mesangial cells (HMCs). PP8C-14 (Nutritional Biochemistry), FEBS Journal 275(suppl.1), 378. 33rd FEBS Congress and 11th IUBMB Conference. Biochemistry of Cell Regulation. 28 June-3 July, 2008, Athens, Greece.
19. Nasopoulou, C., Karantonis, H.C., Tsantila, N., Perrea D.N., Iliopoulos, D.G., Theocharis, S.E., Demopoulos, C.A., Zabetakis, I. Antithrombotic and antiatherogenic properties of fish polar lipids. PP8C-29 (Nutritional Biochemistry), FEBS Journal 275(suppl.1), 382. 33rd FEBS Congress and 11<sup>th</sup> IUBMB Conference. Biochemistry of Cell Regulation. 28 June-3 July, 2008, Athens, Greece.
20. Tsantila, N., Karantonis, H.C., Perrea, D.N., Iliopoulos D.G., Theocharis S.E., Iatrou, C., Antonopoulou, S., Demopoulos, C.A. Atherosclerosis inhibition and regression can be induced by extracts of olive oil and its respective pomace. PP8C-41 (Nutritional Biochemistry), FEBS Journal 275(suppl.1), 385. 33rd FEBS Congress and 11th IUBMB Conference. Biochemistry of Cell Regulation. 28 June-3 July, 2008, Athens, Greece.
21. Tsantila N., Karantonis H.C., Perrea D.N., Iliopoulos D.G., Theocharis S.A., Iatrou C., Antonopoulou S., Demopoulos C.A. Can PAF Inhibitors in Olive Oil and its Respective Pomace Reduce Atherosclerotic Lesions Formation? Oils, Fats and Lipids in Human Nutrition. Oils, Fats and Lipids in the 3rd Millennium: Challenges Achievements and Perspectives. 6th Eurofed Lipid Congress, p. 63. 07-10 September 2008. Athens-Greece.
22. Stamatakis G., Tsantila N., Karantonis H.C., Samiotaki M., Panayotou G., Demopoulos C.A. Recovery of Lipid Micro-constituent with Antiatherogenic Properties from Olive Mill Waste Water (OOMWW) using Natural Micro-porous Materials. Biotechnological Applications, By-Products (BIOT-007). Oils, Fats and Lipids in the 3rd Millennium: Challenges Achievements and Perspectives. 6th Eurofed Lipid Congress, 07-10 September 2008. Athens-Greece.
23. Nasopoulou C., Karantonis H.C., Tsantila N., Perrea D.N., Iliopoulos D.G., Theocharis S.E., Demopoulos C.A., Zabetakis I. In vivo Antiatherogenic Properties of Fish Polar Lipid Fraction in Hyperlipidemic Rabbits Last Minute (LAMI-021). Oils, Fats and Lipids in the 3rd Millennium: Challenges Achievements and Perspectives. 6th Eurofed Lipid Congress, 07-10 September 2008. Athens-Greece.

#### **Ανακοινώσεις σε ελληνικά συνέδρια**

1. Φραγκοπούλου Ε., Καραντώνης Χ. Χ., Νομικός Τζ., Αντωνοπούλου Σ., Δημόπουλος Κ. Α., Πανεπιστήμιο Αθηνών, Φάρμα Αταλάντης Αγροτική Α.Ε. Ρόλος του κόκκινου κρασιού στην πρόληψη των καρδιοπαθειών. Χημική έρευνα και βιομηχανία, 2ο Συμπόσιο Ινστιτούτου Φυσικοχημείας, – Ένωση Ελλήνων Χημικών, 3-5 Δεκεμβρίου 1997, Ε.Κ.Ε.Φ.Ε Δημόκριτος Αθήνα.
2. Καραντώνης Χ. Χ., Αντωνοπούλου Σ., Φραγκοπούλου Ε., Δημόπουλος Α. Κ. Βιοχημική προσέγγιση του σχηματισμού αθηρωματικών πλακών και της προστατευτικής δράσης της Μεσογειακής διατροφής. Πανεπιστήμιο Αθηνών, Χαροκόπειο Πανεπιστήμιο, 2ο Πανελλαδικό συνέδριο ελευθέρων ριζών και οξειδωτικού στρες, 3-5 Οκτωβρίου 2002, Χαροκόπειο Πανεπιστήμιο, Αθήνα.
3. Πιτσινός Ε. Ν., Κουλαδούρος Η. Α., Καραντώνης Χ. Χ., Δημόπουλος Κ. Α. Σύνθεση και Αξιολόγηση της βιολογικής δράσης δύο νέων στεροειδών παραγώγων αιθερικών φωσφολιποειδών. 19ο Πανελλήνιο Συνέδριο Χημείας. Η πολυμορφικότητα της Χημείας και οι εφαρμογές της. 6-10 Νοεμβρίου 2002, 86-88. Ηράκλειο.
4. Αντωνοπούλου Σ., Φραγκοπούλου Ε., Καραντώνης Χ. Χ., Μουρελάτος Α., Φαινέκος Κ. Μελέτη της επίδρασης της παραδοσιακής Ελληνικής διαίτας στη συσσώρευση αιμοπεταλίων σε φυσιολογικά άτομα και σε ασθενείς με σακχαρώδη διαβήτη 2. Συνέδριο της Εταιρείας Ερευνάς Νοσημάτων Ενδοκρινολογίας και Μεταβολισμού «Μεσογειακή διαίτα- Η κλινική και ερευνητική διάσταση». 30 Μαΐου-1 Ιουνίου 2003, Καρδαμύλη Μεσσηνίας.
5. Αντωνοπούλου Σ., Καραντώνης Χ.Χ., Νομικός Τ., Οικονόμου Α., Φραγκοπούλου Ε., Πανταζίδου Α. Χαρακτηρισμός βιοδραστικών γλυκολιποειδών από το κυανοβακτήριο *chromococcidiopsis* sp. 20ο Πανελλήνιο Συνέδριο Χημείας. Χημεία: Εκπαίδευση, Έρευνα και Εφαρμογές. 20-23 Σεπτεμβρίου 2005. Πανεπιστημιούπολη Ιωαννίνων: Τεχνολογικό Πάρκο Ηπείρου και Νιάρχειο Κέντρο, Ιωάννινα.
6. Καραντώνης Χ. Χ., Αντωνοπούλου Σ., Δημόπουλος Κ. Α. Βιοχημικός μηχανισμός αθηρογένεσης και εξήγηση της προστατευτικής δράσης του ελαιολάδου. 1ο Πανελλήνιο Συνέδριο. Σύγχρονες τάσεις στον τομέα των λιπών και ελαίων. Ελληνικό Φόρουμ Λιποειδών (Greek Lipid Forum, Μέλος της Euro Fed Lipid). 8-9 Ιουνίου 2005, Εθνικό Ίδρυμα Ερευνών, Αθήνα.
7. Νασοπούλου Κ., Νομικός Τ., Ρεμέντζης Ι., Καραντώνης Χ. Χ., Δημόπουλος Κ. Α., Ζαμπετάκης Ι. Μελέτη του ρόλου των ψαριών και κεφαλοπόδων στη Μεσογειακή Δίαιτα. 1ο Πανελλήνιο Συνέδριο. Σύγχρονες τάσεις στον τομέα των λιπών και ελαίων. Ελληνικό Φόρουμ Λιποειδών (Greek Lipid Forum, Μέλος της Euro Fed Lipid). 8-9 Ιουνίου 2005, Εθνικό Ίδρυμα Ερευνών, Αθήνα.

8. Τσαντίλα Ν., Καραντώνης Χ.Χ., Σταματάκης Γ., Σοκόλης Δ.Π., Θεοχάρης Σ.Ε., Περρέα Δ.Ν., Αντωνοπούλου Α., Δημόπουλος Κ.Α. Πιστοποίηση της αντιαθηρογενετικής δράσης του ελαιολάδου σε πειραματόζωα. Εύρεση του λιποειδικού κλάσματος του υπεύθυνου για την αντιαθηρογενετική δράση και αναζήτηση αντιαθηρογενετικών συστατικών στα προϊόντα της ελαιουργίας και των σταδίων της παραγωγής του πυρηνελαίου. 1ο Πανελλήνιο Συνέδριο. Σύγχρονες τάσεις στον τομέας των λιπών και ελαίων. Ελληνικό Φόρουμ Λιποειδών (Greek Lipid Forum, Μέλος της Euro Fed Lipid). 8-9 Ιουνίου 2005, Εθνικό Ίδρυμα Ερευνών, Αθήνα.
9. Καραντώνης Χ.Χ., Τσαντίλα Ν., Σταματάκης Γ., Σοκόλης Δ.Π., Θεοχάρης Σ.Ε., Περρέα Δ.Ν., Αντωνοπούλου Σ., Δημόπουλος Κ.Α. In vitro και in vivo αντιαθηρογενετική δράση μικροσυστατικών του ελαιολάδου, του πυρηνελαίου και παραπροϊόντων της ελαιουργίας κατά την παραγωγή του πυρηνελαίου. Ελληνική Εταιρεία Αθηροσκληρώσεως-Συμπόσιο των ομάδων εργασίας «Παθοφυσιολογία της αθηροσκληρώσεως. 3 Δεκεμβρίου 2005, Ξενοδοχείο Divani Caravel, Αθήνα.
10. Τσαντίλα Ν., Καραντώνης Χ.Χ., Περρέα Δ.Ν., Ηλιόπουλος Δ.Γ., Θεοχάρης Σ.Ε., Ιατρού Χ., Αντωνοπούλου Σ., Δημόπουλος Κ.Α. Επίδραση των Συστατικών του Ελαιολάδου στο Σχηματισμό και Θεραπεία των Αθηρωματικών πλακών. 5ο Πανελλήνιο Συνέδριο Ελευθέρων Ριζών και Οξειδωτικού Στρες (Διεθνής Συμμετοχή). 28 Σεπτεμβρίου-1 Οκτωβρίου 2006, 40. Καρδαμύλη Μεσσηνίας.
11. Τσούπρας Α.Β., Νομικός Τ., Φραγκοπούλου Ε., Καραντώνης Χ.Χ., Αντωνοπούλου Σ., Φραγκιάς Κ., Ιατρού Χ., Δημόπουλος Κ.Α. Ο ρόλος του Παράγοντα Ενεργοποίησης Αιμοπεταλίων (PAF), στη νεοαγγειογένεση, στη μετάσταση και γενικά στην εξέλιξη του καρκίνου. Ελληνικές Ημέρες Θρόμβωσης-Καρκίνος και Θρόμβωση. Α΄ Προπ. Παθολογική Κλινική Α.Π.Θ., Μονάδα Αιμόστασης. 10-11 Φεβρουαρίου 2006.
12. Τσαντίλα Ν., Καραντώνης Χ.Χ., Περρέα Δ.Ν., Ηλιόπουλος Δ.Γ., Θεοχάρης Σ.Ε., Ιατρού Χ., Αντωνοπούλου Σ., Δημόπουλος Κ.Α. Ενώσεις Ελαιολάδου προκαλούν αναστολή και υποστρόφη της αθηροσκληρώσεως. Ελληνική Εταιρεία Αθηροσκληρώσεως. 2ο Πανελλήνιο Συνέδριο Αθηροσκληρώσεως. 29 Νοεμβρίου-2 Δεκεμβρίου 2006, 001, Αθήνα.
13. Φραγκοπούλου Ε., Νομικός Τ., Καραντώνης Χ.Χ., Ρεκλείτη Ε., Μίλεσης Γ., Αντωνοπούλου Σ. Επίδραση λιποειδών ελαιολάδου στην επαγόμενη από IL-1β παραγωγή φλεγμονωδών μεσολαβητών. Ελληνική Εταιρεία Αθηροσκληρώσεως. 2ο Πανελλήνιο Συνέδριο Αθηροσκληρώσεως. Αθήνα, 29 Νοεμβρίου-2 Δεκεμβρίου 2006, P155, Αθήνα.
14. Φραγκοπούλου Ε., Νομικός Τ., Μίλεσης Γ., Ρεκλείτη Ε., Καραντώνης Χ.Χ., Αντωνοπούλου Σ. Επίδραση της IL-1 στην παραγωγή φλεγμονωδών μεσολαβητών από ανθρώπινα μεσαγγειακά κύτταρα. Τροποποίηση της δράσης της από πολικά λιποειδή ελαιολάδου. Ελληνική Εταιρεία Λιπιδολογίας και Αθηροσκληρώσεως. 10ο Συνέδριο Ελληνικής Εταιρείας Λιπιδολογίας και Αθηροσκληρώσεως. Φαρμακευτική αγωγή και διατροφική παρέμβαση στη πρόληψη και θεραπεία της καρδιαγγειακής νόσου. 26-27 Μαΐου 2006, 12:31, Αθήνα.
15. Νασοπούλου Κ., Καραντώνης Χ.Χ., Περρέα Δ.Ν., Ηλιόπουλος Δ.Γ., Θεοχάρης Σ.Ε., Δημόπουλος Κ.Α., Ζαμπετάκης Ι. Διατροφή πλούσια σε ιχθυέλαια κατέχει προστατευτική δράση έναντι της αθηροσκληρώσεως. 6ο Πανελλήνιο Συνέδριο Ελευθέρων Ριζών και Οξειδωτικού Στρες. 18-21 Σεπτεμβρίου 2008. Πράμαντα Ιωαννίνων.
16. Σταματάκης Γ., Τσαντίλα Ν., Καραντώνης Χ.Χ., Δημόπουλος Κ.Α. Ανάκτηση ενώσεων με αντιοξειδωτική καθώς και αντι-PAF δράση από τα παραπροϊόντα ελαιουργίας. 6ο Πανελλήνιο Συνέδριο Ελευθέρων Ριζών και Οξειδωτικού Στρες. 18-21 Σεπτεμβρίου 2008. Πράμαντα Ιωαννίνων.
17. Βερούτη Σ., Φραγκοπούλου Ε., Καραντώνης Χ.Χ., Δημόπουλος Κ.Α. Επίδραση φλεγμονωδών παραγόντων στην έκκριση του MCP-1 και στα επίπεδα της γλουταθειόνης σε U-937 μονοκύτταρα. 6ο Πανελλήνιο Συνέδριο Ελευθέρων Ριζών και Οξειδωτικού Στρες. 18-21 Σεπτεμβρίου 2008. Πράμαντα Ιωαννίνων.
18. Σταματάκης Γ., Τσαντίλα Ν., Καραντώνης Χ.Χ., Χαλβαδάκης Κ., Δημόπουλος Κ.Α. Πιστοποίηση και μελέτη βιολογικά δραστικών λιποειδών στα παραπροϊόντα της ελαιουργίας. Ελληνική Εταιρεία Αθηροσκληρώσεως. 3ο Πανελλήνιο Συνέδριο Αθηροσκληρώσεως. Αθήνα, 3-Δεκεμβρίου 2008, 003, Αθήνα.
19. Νασοπούλου Κ., Καραντώνης Χ.Χ., Περρέα Δ., Ηλιόπουλος Δ., Θεοχάρης Σ., Δημόπουλος Κ., Ζαμπετάκης Ι. Αντιθρομβωτική και αντιαθηρογόνος δράση των πολικών λιποειδών ψαριού. Ελληνική Εταιρεία Αθηροσκληρώσεως. 3ο Πανελλήνιο Συνέδριο Αθηροσκληρώσεως. Αθήνα, 3-6 Δεκεμβρίου 2008, P161, Αθήνα.

**Εργασίες σε διεθνή επιστημονικά περιοδικά με κριτές**

1. «Diels - Alder Adducts of Vinyl Porphyrins: Synthesis and In Vivo Photodynamic Effect Against a rat Bladder Tumor» A.R. Morgan, G.M. Garbo, R.W. Keck, R.A. Miller, S.H. Selman and **D. Skalkos**. *J. Med. Chem.*, 33, 1258, 1990.
2. «Synthesis and In vivo Activity of Some Porphyrindione Derivatives with Potential in Photodynamic Therapy» **D. Skalkos**, A.R. Morgan, G.M. Garbo, R.W. Keck, and S.H. Selman, *J. Photochem. Photobiol., B-Biol.*, 6, 133, 1990.
3. «Tin - Etiopurpurin Dichloride - Sensitized lipid Photooxidation of Erythrocyte Membranes» A.R. Morgan, L.S. Cheng, and **D. Skalkos**, G.M. Garbo, *Photochem. Photobiol.*, 52, 987, 1990.
4. «Φωτοδυναμική θεραπεία: Μέθοδος και Αποτελέσματα» **Δ. Σκάλκος**. *Ιατρική* 58, (4), 349, 1990.
5. «Synthesis and In Vivo Photodynamic Activity of Some Bacteriochlorin derivatives Against Bladder Tumors in Rodents» A.R. Morgan, **D. Skalkos**, G.M. Garbo, R.W. Keck and S.H. Selman. *J. Med. Chem.*, 34, 2127, 1991.
6. «Observations on the Synthesis and In Vivo Photodynamic Activity of Some Benzochlorins» A.R. Morgan, **D. Skalkos**, G.M. Maguire, A. Rampersaud, G.M. Garbo, R.W. Keck and S.H. Selman. *Photochem. Photobiol.*, 55, 133, 11992.
7. «Iminium salt Benzochlorins as Potential Photosensitizers in Photodynamic Therapy» **D. Skalkos**, and J.A. Hampton, *Med. Chem. Res.*, 2, 276, 1992.
8. «Copper Benzochlorin, a Novel Photosensitizer for Photodynamic Therapy: Effects on a Transplantable Urothelial Tumor» S.H. Selman, J.A. Hampton, A.R. Morgan, R.W. Keck, A.D. Balkany, and **D. Skalkos**. *Photochem. Photobiol.*, 57, 681, 1993.
9. «Iminium Salt of Copper Benzochlorin (CDS1), a Nover Photosensitizer for Photodynamic Therapy: Mechanism of cell Killing» J.A. Hampton, **D. Skalkos**, P.M. Taylor and S.H. Selman. *Photochem. Photobiol.*, 58, 100, 1993.
10. «Iminium Salt benzochlorins: Structure - Activity relationship Studies» **D. Skalkos**, J.A. Hampton, R.W. Keck and S.H. Selman, in *Photochem. Photobiol.*, 59, 175, 1994.
11. «Impaired Accumulation of a cationic Photosensitizing Agent by a cell Exhibiting Multidrug Resistance» D. Kessel, K. Woodburn , and **D. Skalkos**. *Photochem. Photobiol.*, 60, 61, 1994.
12. «Towards a consensus Structure of Hypericin in Solution: Direct evidence for a single tautomer and different ionization states in protic and nonprotic solvents by the use of variable temperature gradient <sup>1</sup>H-NMR» **D. Skalkos**, E. Tatsis, I. P. Gerathanasis, and A. Troganis, *Tetrahedron*, 58, 4925, 2002.
13. «Does *Hypericum perforatum* L. extract show any specificity as photosensitizer for HL-60 leukemic cells and cord blood hemopoietic progenitors during photodynamic therapy?» D. Kapsokalyvas, H. Dimitriou, D. Skalkos, G. Konstadoudakis, G. Fillipides, E. Stiakaki, Th. Papazoglou, and M. Kalmanti, *J. Photocmemistry Photobiology B*, 80, 208, 2005.
14. «The lipophilic extract of *Hypericum Perforatum* L. exerts significant cytotoxic activity against T24 and NBT-II Urinary Bladder Tumor Cells» **D. Skalkos**, N.E. Stavropoulos, I. Tsimaris, E. Gioti, C. Stalikas, U.O. Nseyo, E. Ioachim, and N.J. Agnantis, *Planta Medica*, 71, 1030, 2005.
15. «Single-drop liquid-phase microextraction for the determination of hypericin, pseudohypericin and hyperforin in biological fluids by high performance liquid chromatography» E.M. Gioti, **D.C. Skalkos**, and Y.C. Fiamegos, C.D. Stalikas *J. Chromatogr. A*, 1093, 1, 2005.
16. «Photophysical properties of *Hypericum Perforatum* L. extracts – novel photosensitizers for PDT» **D. Skalkos**, E. Gioti, C.G. Stalikas, H. Meyer, Th. G. Papazoglou, and G. Filippidis, *J. Photochem. Photobiol. B*, 82, 146, 2006.
17. «*Hypericum perforatum* L. extract – novel photosensitizer against human bladder cancer cells» N.E. Stavropoulos, A. Kim, U.U. Nseyo. I. Tsimaris. T.D. Chung, T.A. Miller, M. Redlak, U.O. Nseyo, and **D. Skalkos**, *J. Photochem. Photobiol. B*, 84, 64, 2006.

18. «Improved method for the *in-vitro* assessment of antioxidant activity of plant extracts by headspace solid-phase microextraction and gas chromatography–electron capture detection». E. M. Gioti, Y.C. Fiamegos, **D.C. Skalkos**, and C.D. Stalikas *J. Chromatogr. A*, 1152, 150, 2007.
19. «Antioxidant activity and bioactive components of the aerial parts of *Hypericum perforatum* L. from Epirus Greece» E. Gioti, Y. Fiamegos, **D. Skalkos**, and C. Stalikas, *Food Chem.*, 117(3) 398 – 404, 2009.
20. «Innovation management technique (IMT) for very small-enterprises: concept, development, and application» D. Skalkos, I. Bakouros, *International Journal of Innovation and Regional Development*, 3(6), 573 – 603, 2011.

#### Εργασίες σε πρακτικά συνεδρίων με κριτές

1. «Photodynamic action of Benzochlorins» A.R. Morgan, G.M. Garbo, A. Rampersaud, **D. Skalkos**, R.W. Keck, and S.H. Selman. In *Photodynamic Therapy: Mechanisms*. SPIE Vol. 1065, 146. SPIE: Bellingham, 1988.
2. «Second generation Sensitizers: Where Are We and Where Should we Be Going» A.R. Morgan, and **D. Skalkos**. «PDT - 5 Years Hence» Ed. C.J. Gomer, SPIE Vol. 1071, 185. SPIE: Bellingham, 1990
3. «Cationic Benzochlorins: A new Class of Long - Wavelength Absorbing Photosensitizers» **D.Skalkos**, J.A. Hampton, R.W. Keck and S.H. Selman. In: *Photodynamic Therapy and Biomedical lasers*. Eds. P. Spinelli, M. Dal Fante and R. Marchesini. Elsevier Science, Vol. 1011, 860: Amsterdam, 1992.
4. «The Effect of CDS1 and Pulse Alexandrite laser (755nm) on the Transplantable FANFT Induced Urothelial Tumor» S.H.Selman, J.A. Hampton, A.R. Morgan, R.W. Keck and **D. Skalkos**. In *Photodynamic Therapy and Biomedical Lasers*. Eds. P. Spinelli, M. Dal fante and R. Marchesini. Elsevier Science, Vol. 1011, 975: Amserdam, 1992.
5. «Production and laser induced fluorescence spectroscopy (L.I.F.S.) of different *Hypericum perforatum* L. extracts» **D. Skalkos**, G. Filippidis, D. Kapsokalyvas, H. Meyer, E. Karentzou, H. Dimitriou, G. Konstandoudakis, E. Stiakaki, and M. Kalmanti. In *Optical Methods for Tumor treatment and detection: Mechanisms and Techniques in Photodynamic Therapy XIV*. Ed. D. Kessel, abstract #11, SPIE Vol. 5689, SPIE Bellingham, 2005, 48-55.
6. «Differences in responses of human bladder cancer cells to photodynamic therapy (PDT) with *Hypericum perforatum* L extract and phtofrin» U.O. Nseyo, A.H. Kim, U.O.U. Nseyo, N.E. Stavropoulos, and **D. Skalkos**, T. Chung. In *Optical Methods for Tumor treatment and detection: Mechanisms and Techniques in Photodynamic Therapy XIV*. Ed. D. Kessel, abstract #20, SPIE Vol. 5689, SPIE Bellingham, 2005, 97-105.
7. «Localization of hypericins induced fluorescence after *Hypericum perforatum* extract (PMF) instillation in rat normal urinary» N.E. Stavropoulos, **D. Skalkos**, I. Tsimaris, D. Kalogeras, U.O. Nseyo, A. Batistatou, and N.J. Agnantis. In *Optical Methods for Tumor treatment and detection: Mechanisms and Techniques in Photodynamic Therapy XIV*. Ed. D. Kessel, abstract #29, SPIE Vol. 5689, SPIE Bellingham, 2005, 158-164.
8. «Herbal Greek tea extract combined with light induced significant in vitro cytotoxicity of human bladder cancer cells» U.O. Nseyo, A.H. Kim, U.U. Nseyo, N. Stavropoulos, **D. Skalkos**, and T. Chung. In *Lasers and other technologies in urology*. Ed. R.S. Malek, abstract# 43, SPIE Vol. 5686, SPIE Bellingham, 2005, 199-206.
9. «Fractionation of the *Hypericum perforatum* L. extract – PMF, and PDT effects of the fractions against HL-60 leukemic cells» M. Tsontou, H. Dimitriou, G. Filippidis, I. Tsimaris, M. Kalmanti, and **D. Skalkos**. In *Optical Methods for Tumor treatment and detection: Mechanisms and Techniques in Photodynamic Therapy XVI*. Ed. D. Kessel, Proceedings of SPIE, Vol. 6427, Bellingham WA, 2007.
10. «White-light PDT induced apoptosis in normal rat urothelium and orthotopic transitional cell carcinoma bladder tumors after short intravesical instillation of the *Hypericum perforatum* L polar methanolic extracted fraction (PMF)» Tsimaris I, N.E. Stavropoulos, D. Stefanou, E. Arkoumani, and **D. Skalkos** In *Optical Methods for Tumor treatment and detection: Mechanisms and Techniques in Photodynamic Therapy XVI*. Ed. D. Kessel, Proceedings of SPIE, Vol. 6427, Bellingham WA, 2007.
11. «Innovation Management Techniques: A Review of Selected Methodologies» **D. Skalkos** In *Rethinking Business Education in the Age of Crisis*, Proceedings Chios island, Greece, 20-22 October, 2011

12. «Innovation Penetration into an Islanding Region: The Case of North Aegean, Greece» **D. Skalkos**, Y. Nikolaidis, Y. Bakouros In *Rethinking Business Education in the Age of Crisis*, Proceedings Chios island, Greece, 20-22 October, 2011

### Παρουσιάσεις σε διεθνή συνέδρια

1. «Facile Synthesis of Vinyl – and Divinyl – Substituted Porphyrins» S.D. Cain, A.R. Morgan, and **D. Skalkos**, 20<sup>th</sup> ACS central regional meeting, west Virginia University, Morgantown, W. Virginia, June 1988.
2. «New Sensitizers for Photodynamic Therapy: Synthesis and In Vivo Activities of Bacteriochlorins» **D. Skalkos**, 9<sup>th</sup> Annual Sigma Xi research Symposium, The University of Toledo, Toledo, Ohio, May, 1988.
3. «Synthetic Efforts Towards the Formation of a Unique Bacteriochlorin System» A.R. Morgan, and **D. Skalkos**, 21<sup>st</sup> ACS central Regional Meeting, John Carroll University, Cleveland, Ohio, June 1989.
4. «Synthetic bacteriochlorins: Preparation and Biological Activity» **D. Skalkos**, A.R. Morgan, G. Garbo, R. Keck, and S.H. Selman, 17<sup>th</sup> Annual Meeting of the American Society for Photobiology, Boston, Massachusetts, July, 1989.
5. «Di – and Tetrahydroporphyrins as Potential Sensitizers for Use in Photodynamic Therapy» A.R. Morgan, and **D. Skalkos**, International Conference on Photodynamic Therapy, Sofia, Bulgaria, October, 1989.
6. «Synthesis and Biological properties of Novel Bacteriochlorins» **D. Skalkos**, and A.R. Morgan, 3<sup>rd</sup> Biennial Meeting of International Photodynamic Association, Buffalo, New York, July, 1990.
7. «Synthesis and Tumorcidal Activity of Benzochlorin Derivatives» **D. Skalkos**, and A.R. Morgan, 19<sup>th</sup> Annual Meeting of the American Society for Photobiology, San Antonio, Texas, June, 1991.
8. «Second Generation Photosensitizers for Photodynamic Therapy» A.R. Morgan, G.M. Garbo, **D. Skalkos**, A. Rampersaud, R.W. Keck, and S.H. Selman, 19<sup>th</sup> Annual Meeting of the American Society for Photobiology, San Antonio Texas, June 1991.
9. «Di – and Tetrahydroporphyrins as Potential Sensitizers for Use in Photodynamic Therapy» **D. Skalkos**. Colloquium series in Illinois Institute of Technology, March 1992
10. «Effects of a derivative of benzochlorin (PDT920201) and Light on the FANFT Induced (AY – 27) Tumor» J. A. Hampton, **D. Skalkos**, and S.H. Selman, 20<sup>th</sup> Annual Meeting of the American Society for Photobiology, Marcos Island, Florida, June 1992.
11. «New Developments in Purpurin and Benzochlorin Chemistry» A.R. Morgan, S. Leather, S. Chen and **D. Skalkos**, 20<sup>th</sup> Annual Meeting of the American Society for Photobiology, Marcos Island, Florida, June 1992.
12. «AM1 Studies of Bacteriochlorin Derivatives for Photodynamic Therapy» J. K. Green, **D. Skalkos** and D.A. Smith, 23<sup>th</sup> ACS regional Meeting, Cincinnati, Ohio, June 1992.
13. «The effect of PDT920201 and Pulse Alexandrite Laser Light on the Transplantable FANFT Induced Urothelial Tumor» J. A. Hampton, **D. Skalkos**, A.R. Morgan and S.H. Selman, International Conference on Photodynamic Therapy and Medical laser Applications, Milan, Italy, June 1992.
14. «Synthesis and structural activity relationships of benzochlorins with long wavelength absorption bands» **D. Skalkos**, J.A. Hampton and S. H. Selman, International Conference on Photodynamic Therapy and medical Laser Application, Milan, Italy, June, 1992.
15. «Φωτοδυναμική θεραπεία: Μέθοδος και Αποτελέσματα» **Δ. Σκάλκος**, 10<sup>ο</sup> Πανελλήνιο Συνέδριο Lasers και Εφαρμογές, Ιωάννινα, 1994.
16. «Κέντρο Επιχείρησης & Καινοτομίας Ηπείρου: Εργαλείο στα χέρια των φορέων και των επιχειρήσεων της Ηπείρου» **Δ. Σκάλκος**, 2<sup>ο</sup> Συνέδριο Αμβρακικού, Άρτα, Ιούνιος 1997
17. «The BIC model of innovation: A vehicle for local development» **D. Skalkos**, 7<sup>th</sup> BIC Congress, Joensuu, Finland, June 1998.

18. «Best practices in utilizing E.C. programs to fund various services to SMEs and organizations» **D. Skalkos**, 8<sup>th</sup> *BIC Congress*, San Sebastian, Spain, 1999
19. «Innovation strategies & actions in a less favor region» **D. Skalkos**, 9<sup>th</sup> *BIC Congress*, Aosta Valley, Italy, June, 2000
20. «Innovative actions in less favored Regions» **D. Skalkos**, 1<sup>st</sup> *European Conference on “entrepreneurship and innovation policies in the European periphery”* university of Thessaly, Volos, May, 2000.
21. «The NAIS (North Aegean Innovative Action and Support) program» **D. Skalkos**, *Searching The future of innovation, and regional competitiveness, the RIPE regional program of Peloponnese*, Tripoli, Greece, December, 2002
- 22.«Cytotoxic effects of tea on human bladder cancer cell line T24» R. Barnes, J.I. Martin, U. Nseyo, M. Sarkar, N. Stavropoulos, **D. Skalkos**, and E. Gywnn, *American Association for Cancer Research*, April, 2002.
- 23.«<sup>1</sup>H NMR studies of the molecular structure of hypericin the main component of hypericum species» **Skalkos D.**, Tatsis E., Gerathanasis I.P., and Troganis, A. 2<sup>nd</sup> *Conference on Medical and Aromatic plants of Southeast European Countries*, Chalkidiki, September, 2002.
- 24.«Μελέτες NMR-H<sup>1</sup> της μοριακής δομής της υπερικίνης, του κύριου συστατικού του *Hypericum perforatum*» Τάτσης, Ε., **Σκάλκος Δ.**, Τρογκάνης και Α., Γεροθανάσης, Ι. 5<sup>ο</sup> *Συνέδριο του Τμήματος Χημείας, Πανεπιστημίου Ιωαννίνων «Βασική και εφαρμοσμένη έρευνα»*, Ιωάννινα, Οκτώβριος, 2002.
- 25.«Ταυτοποίηση της υπερικίνης, ψευδοϋπερικίνης και παραγώγων τους σε φυσικά εκχυλίσματα με NMR-H<sup>1</sup>» Τάτσης, Ε., **Σκάλκος Δ.**, Τρογκάνης Α., Τσιούτσιας Χ., και Γεροθανάσης, Ι. 5<sup>ο</sup> *Συνέδριο του Τμήματος Χημείας, Πανεπιστημίου Ιωαννίνων «Βασική και εφαρμοσμένη έρευνα»*, Ιωάννινα, Οκτώβριος, 2002.
- 26.«Antitumor activity of *Hypericum perforatum* L. extract against T24 urinary bladder tumor cell line» **Skalkos, D.**, Stavropoulos N.E., and Tsimaris I. 8<sup>th</sup> *World Congress on Advances in Oncology*, Crete, October, 2003.
27. «The Greek innovative action programs» **D. Skalkos**, *II Spanish national meeting of innovative regions*, Spain, March, 2003.
28. “Differential cytotoxic responses of human bladder cancer cells to photodynamic therapy (PDT) with *Hypericum perforatum* L. extract and photofrin” U. O. Nseyo, A. H. Kim, U. U. Nseyo, N. E. Stavropoulos, and **D. Skalkos**, *American Association for Cancer Research*, Orlando Florida, March, 2004.
29. “Photodynamic therapy (PDT) with *Hypericum perforatum* extract induced significant in vitro cytotoxicity of human bladder cancer cells” U. O. Nseyo, A. H. Kim, U. U. Nseyo, N. E. Stavropoulos, and **D. Skalkos** *American Association for Cancer Research*, Orlando Florida, March, 2004.
30. “Photodynamic therapy (PDT) with hypericum perforatum L. extract enhanced apoptosis in human bladder cancer cells” U. O. Nseyo, A. H. Kim, U. U. Nseyo, N. E. Stavropoulos, **D. Skalkos**, T. D. Chung, M. J. Redlak, and T. A. Miller *American Association for Cancer Research*, Orlando Florida, March, 2004.
31. “*Hypericum perforatum* L. extract as photosensitizer during photodynamic therapy of HL-60 leukemic cells” M. Kalmanti, D. Kapsokalyvas, **D. Skalkos**, G. Konstadoudakis, G. Filippidis, E. Stiakaki, and H. Dimitriou *ESMO Congress, Vienna, Austria October, 2004*.
32. “Η μελέτη της δράσης του *Hypericum perforatum* L. σαν φωτοευαίσθητοποιητή στη φωτοδυναμική θεραπεία (PDT) HL-60 κυττάρων και αιμοποιητικών κυττάρων λώρου” Ε. Δημητρίου, Δ. Καψοκαλύβας, Γ. Κωνσταντουδάκης, Δ. Σκάλκος, Γ. Φιλλιπίδης, Ε. Στειακάκη, και Μ. Καλμαντή, 15<sup>ο</sup> *Πανελλήνιο Αιματολογικό Συνέδριο*, Νοέμβριος, 2004.
33. “Production and laser induced fluorescence spectroscopy (L.I.F.S.) of different *Hypericum perforatum* L. extracts” **D. Skalkos**, G. Filippidis, D. Kapsokalyvas, H. Meyer, E. Karentzou, H. Dimitriou, G. Konstadoudakis, E. Stiakaki, and M. Kalmanti, *Photonics West, 2005, California, January, 2005*.
34. “ Localization of hypericum induced fluorescence after *Hypericum perforatum* extract (PMF) instillation in rat normal urinary bladder” N.E. Stavropoulos, **D. Skalkos**, I. Tsimaris, D. Kalogeras, U.O. Nseyo, A. Batistatou, and N.J. Agnantis *.Photonics West, 2005, California, January, 2005*.

35. Differences in responses of human bladder cancer cells to photodynamic therapy (PDT) with *Hypericum perforatum* extract and photofrin. U. Nseyo, A. Kim, U.O. Nseyo, N. Stavropoulos, and **D. Skalkos**, T. Chung *Photonics West, 2005, California, January, 2005*.
36. «Hypericum Helonohorto in depression: a pilot study» Pappa S, Skalkos D, Apostolou G, and Mavreas V presented at the 6th International Review of Bipolar Disorders (IRBD), 5-7 April 2006, London
37. «Ορθή πρακτική καινοτομιών. Εμπειρία από τις περιφερειακές δράσεις Β. Αιγαίου: από το ΝΑΙΑΣ στο BIOBUS», **Δ. Σκάλκος**, Καινοτομία- επιχειρηματικότητα-συμπράξεις Δημοσίου & Ιδιωτικού τομέα, Διεθνείς συνεργασίες: προοπτικές για την περιφέρεια της Δυτικής Μακεδονίας, Κοζάνη, Νοέμβριος, 2006.
- 38 «Hypericum Helonohorto in the treatment of mild to moderate depression» Pappa S, Apostolou G, Skalkos D, and Mavreas V presented at ECNP (European Neuropsychopharmacology) Congress, September 2006, Paris
39. «The BIOBUS innovative action program». **D. Skalkos**, Innovating Regions in Europe, Ireland, may, 2007
40. «Η φωτοδυναμική δράση εκχυλίσματος του φυτού *Hypericum perforatum* μετά από βραχεία ενδοκυτταρική έγχυση σε μοντέλο ορθοτοπικής εμφύτευσης καρκινικών κυττάρων εκ μεταβατικού επιθηλίου Au-27 στην ουροδόχο κύστη αρουραίου» C016, Τσίμαρης, Ι. Τσιρώνης, Α. Ντέμου, Δ. Καλογεράς, **Δ. Σκάλκος**, και Ν.Ε. Σταυρόπουλος, 19<sup>ο</sup> Ουρολογικό συνέδριο, Χαλκιδική, Οκτώβριος 2008: [2ο ΒΡΑΒΕΙΟ]
41. «Αντικαρκινική δράση του εκχυλίσματος *Hypericum perforatum* L. Σε καρκινικά κύτταρα T24 υψηλού grade μετά από διέγερση λευκού φωτός» C015, Ι. Τσίμαρης, Σ. Μπέλλου, **Δ. Σκάλκος**, Ι. Τσιρώνης, Α. Μακατσώρη, και Ν.Ε. Σταυρόπουλος, 19<sup>ο</sup> Ουρολογικό συνέδριο, Χαλκιδική, Οκτώβριος 2008.
42. «Χημειοπροφυλακτική αντικαρκινική δράση του υδατικού εκχυλίσματος *Hypericum perforatum* L. έναντι καρκίνων της ουροδόχου κύστεως σε BulbC ποντίκια» C017, Ι. Τσίμαρης, Δ. Καλογεράς, Δ. Στεφάνου, Ι. Τσιρώνης, **Δ. Σκάλκος**, και Ν.Ε. Σταυρόπουλος, 19<sup>ο</sup> Ουρολογικό συνέδριο, Χαλκιδική, Οκτώβριος 2008.
43. «Regional Innovation utilizing local natural resources: The case of pharmaceutical herbs» **D. Skalkos**, TII 2009 Annual conference on Regional Excellence in innovation, Thessaloniki, April, 2009.

**Εργασίες σε διεθνή επιστημονικά περιοδικά με κριτές**

1. Giaouris E., Chorianopoulos N. and Nychas G.-J. 2005. Effect of temperature, pH, and water activity on biofilm formation by *Salmonella enterica* Enteritidis PT4 on stainless steel surfaces as indicated by the bead vortexing and conductance measurements. *Journal of Food Protection*, 68(10), 2149-2154
2. Giaouris E. and Nychas G.-J. 2006. The adherence of *Salmonella* Enteritidis PT4 to stainless steel: the importance of the air-liquid interface and nutrient availability. *Food Microbiology*, 23, 747-752
3. Chorianopoulos N., Giaouris E., Skandamis P., Haroutounian S. and Nychas G.-J. 2008. Disinfectant test against monoculture and mixed-culture biofilms composed of technological, spoilage and pathogenic bacteria: bactericidal effect of essential oil and hydrosol of *Satureja thymbra* and comparison with standard acid–base sanitizers. *Journal of Applied Microbiology*, 104(6), 1586-1596
4. Chorianopoulos N., Giaouris E., Skandamis P., Haroutounian S. and Nychas G.-J. 2008. Disinfectant test in biofilms: natural against chemical sanitizers. *PLANTA MEDICA*, 74(9), 1205-1206
5. Giaouris E., Briandet R., Meyrand M., Courtin P. and Chapot-Chartier M.P. 2008. Variations in the D-alanylation degree of teichoic acids in *Lactococcus lactis* alter resistance to cationic antimicrobials but have no effect on bacterial surface hydrophobicity and charge. *Applied and Environmental Microbiology*, 74(15), 4764-4767
6. Giaouris E., Chapot-Chartier M.P. and Briandet R. 2009. Surface physicochemical analysis of natural *Lactococcus lactis* strains reveals the existence of hydrophobic and low charged strains with altered adhesive properties. *International Journal of Food Microbiology*, 131(1), 2-9
7. Pimenidou S., Belessi C., Giaouris E., Gounadaki A., Nychas G.-J. and Skandamis P. 2009. *Listeria monocytogenes* attachment to and detachment from stainless steel surfaces in a simulated dairy processing environment. *Applied and Environmental Microbiology*, 75(22), 7182-7188
8. Chorianopoulos N.G., Giaouris E.D., Kourkoutas Y. and Nychas G.-J.E. 2010. Inhibition of the early stage of *Salmonella enterica* serovar Enteritidis biofilm development on stainless steel by cell-free supernatant of a *Hafnia alvei* Culture. *Applied and Environmental Microbiology*, 76(6), 2018-2022
9. Chorianopoulos N., Giaouris E., Grigoraki I., Skandamis P. and Nychas G.-J. 2010. Effect of acid tolerance response (ATR) on attachment of *Listeria monocytogenes* Scott A to stainless steel under extended exposure to acid or/and salt stress and resistance of sessile cells to subsequent strong acid challenge. *International Journal of Food Microbiology*, 145, 400-406

**Κεφάλαια σε ξενόγλωσσα βιβλία**

1. Giaouris E., Chorianopoulos N., Skandamis P. and Nychas G.-J. 2011. Attachment and biofilm formation by *Salmonella* in food processing environments. In: Mahmoud, B.S.M. (Ed.), *Salmonella / Book 1*. Intech Open Access Publisher, Croatia, *in press*

**Εργασίες σε διεθνή συνέδρια**

1. Giaouris E., Briandet R. and Chapot-Chartier M.-P. 2007. First evidence of natural strains of *Lactococcus lactis* with hydrophobic or low charged surfaces. 15<sup>o</sup> Colloque du Club des Bactéries Lactiques, 13-15/11/2007, Rennes, France
2. Meyrand M., Giaouris E., Courtin P. and Chapot-Chartier M.P. 2008. Wall teichoic acid, an essential component of the lactococcus acid cell wall. 15<sup>o</sup> Colloque du Club des Bactéries Lactiques, 13-15/11/2007, Rennes, France
3. Giaouris E. 2009. Attachment of *Listeria monocytogenes* to stainless steel surfaces under food processing-related stresses and subsequent exposure of sessile cells to disinfection. Abildgaard Symposium on the Response of Bacterial Pathogens to Biocides, 28-29/10/2009, University of Copenhagen, Copenhagen, Denmark
4. Giaouris E. 2010. Transfer of *Salmonella enterica* ser. Typhimurium to non-inoculated beef fillets through meat mincing machine. Advancing Beef Safety and Quality through Research and Innovation, International Conference organised by the European Commission Research Project: “ProSafeBeef”, 05-07/10/2010, Institute of Biological, Environmental and Rural Sciences (IBERS), Aberystwyth University, Aberystwyth, Wales, UK
5. Giaouris E. and Nychas G.-J. 2005. *Salmonella enterica*: An emerging foodborne pathogen capable to form biofilm on food-contact surfaces. Study of important environmental parameters affecting its biofilm formation on stainless steel.

Journées thématiques du Réseau National Biofilms: Conséquences et traitements des biofilms bactériens en milieu marin et en agroalimentaire, 27-28/10/2005, Lorient, France

6. Giaouris E. and Nychas G.-J. 2006. Effect of glucose and yeast extract on the development of *Salmonella enterica* serovar Enteritidis PT4 biofilm on stainless steel under starvation conditions. International Congress on Bioprocesses in Food Industries, 18-21/06/2006, Patra, Greece.
7. Chorianopoulos N., Giaouris E., Kourkoutas Y. and Nychas G.-J. 2006. Biofilm formation by *Salmonella enterica* serovar Enteritidis. International Congress on Bioprocesses in Food Industries, 18-21/06/2006, Patra, Greece.
8. Giaouris E., Chorianopoulos N., Skandamis P., Haroutounian S. and Nychas G.-J. 2006. Biofilm disinfection using natural antibacterial substances. Food Micro 2006, Food Safety and Food Biotechnology: Diversity and global impact, 29/08-02/09/2006, Bologna, Italy
9. Habimana O., Giaouris E., Chapot-Chartier M.P., Bellon-Fontaine M.-N., Briandet R. and Kulakauskas S. 2006. *Lactococcus lactis* cell wall components involved in bacterial adhesion and biofilm formation on solid surfaces. International Conference on Biofilms, Biofilms II: Attachment and detachment in pure and mixed cultures, 22-24/03/2006, Leipzig, Germany
10. Giaouris E., Chapot-Chartier M.-P., Nychas G.-J. and Briandet R. 2007. Physicochemical cell surface variability of *Lactococcus lactis* strains and consequences on their adhesion to inert surfaces. 4<sup>th</sup> ASM Conference on Biofilms, 25-29/03/2007, Quebec City, Quebec, Canada
11. Meyrand M., Giaouris E., Courtin P. and Chapot-Chartier M.P. 2007. Characterization of an essential gene involved in teichoic acid biosynthesis in *Lactococcus lactis*. International Conference on Functional Genomics of Gram-Positive Bacteria, 24-28/06/2007, Tirrenia (Pisa), Italy
12. Giaouris E., Briandet R., Meyrand M., Courtin P. and Chapot-Chartier M.P. 2008. Variations in the D-alanylation degree of teichoic acids in *Lactococcus lactis* alter resistance to cationic antimicrobials but have no effect on bacterial surface hydrophobicity and charge. 15<sup>e</sup> Colloque du Club des Bactéries Lactiques, 13-15/11/2007, Rennes, France
13. Giaouris E., Briandet R., Meyrand M., Courtin P., Nychas G.-J. and Chapot-Chartier M.P. 2008. Impact of teichoic acids D-alanylation in *Lactococcus lactis* on its surface physicochemical properties, adhesion behavior and nisin and lysozyme sensitivity. 95<sup>th</sup> Annual Meeting of International Association of Food Protection (IAFP), 03-06/08/2008, Columbus, Ohio, USA
14. Chorianopoulos N., Giaouris E., Skandamis P., Nychas G.-J. and Haroutounian S. 2008. Disinfectant test in biofilms: natural against chemical sanitizers. Natural Products with pharmaceutical, nutraceutical, cosmetic and agrochemical interest. 7<sup>th</sup> Joint Meeting of AFERP, ASP, GA, PSE and SIF, Athens, 03-08/08/2008
15. Giaouris E., Chapot-Chartier M.P. and Briandet R. 2008. Surface physicochemical analysis of natural *Lactococcus lactis* strains reveals the existence of hydrophobic and low charged strains with altered adhesive properties. Ninth Symposium on Lactic acid Bacteria: Health, Evolution and Systems Biology, Federation of European Microbiological Societies (FEMS) and the Netherlands Society for Microbiology, 31/08-04/09/2008, Egmond aan Zee, The Netherlands
16. Meyrand M., Sapin C., Thomas G., Giaouris E., Briandet R., Trugnan G. and Chapot-Chartier M.P. 2008. Adhesion of *Lactococcus lactis* to cultured human intestinal epithelial cells Caco-2. Ninth Symposium on Lactic acid Bacteria: Health, Evolution and Systems Biology, Federation of European Microbiological Societies (FEMS) and the Netherlands Society for Microbiology, 31/08-04/09/2008, Egmond aan Zee, The Netherlands
17. Meyrand M., Giaouris E., Courtin P. and Chapot-Chartier M.P. 2008. Wall teichoic acid, an essential component of the *Lactococcus lactis* cell wall. Ninth Symposium on Lactic acid Bacteria: Health, Evolution and Systems Biology, Federation of European Microbiological Societies (FEMS) and the Netherlands Society for Microbiology, 31/08-04/09/2008, Egmond aan Zee, The Netherlands
18. Giaouris E., Briandet R., Meyrand M., Courtin P. and Chapot-Chartier M.P. 2008. Variations in the D-alanylation degree of teichoic acids in *Lactococcus lactis* alter resistance to cationic antimicrobials but have no effect on bacterial surface hydrophobicity and charge. Ninth Symposium on Lactic acid Bacteria: Health, Evolution and Systems Biology, Federation of European Microbiological Societies (FEMS) and the Netherlands Society for Microbiology, 31/08-04/09/2008, Egmond aan Zee, The Netherlands

19. Chorianopoulos N., Giaouris E. and Nychas G.-J. 2009. Potential implication of extracellular signals produced by *Hafnia alvei* on the early stages of biofilm development by *Salmonella enterica* serovar Enteritidis on stainless steel. International Conference on Strategic and Targeted Controls for Microbial Pathogens and Chemical Residues in Beef (Teagasc, Ashtown Food Research Centre), 25-26/03/2009, Dublin, Ireland
20. Chorianopoulos N., Giaouris E., Panagou E. and Nychas G.-J. 2009. Early stages of biofilm development by *Salmonella* Enteritidis on stainless steel are inhibited by the cell-free culture supernatant of *Hafnia alvei*. EFFoST Conference on New Challenges in Food Preservation, Processing – Safety – Sustainability, 11-13/11/2009, Budapest, Hungary
21. Chorianopoulos N., Giaouris E., Grigoraki I., Skandamis P., Panagou E. and Nychas G.-J. 2009. Effect of *Listeria monocytogenes* acid tolerance response (ATR) on its adherent survival under food processing-related stresses and on the subsequent disinfection of attached cells with standard acid and natural sanitizers. EFFoST Conference on New Challenges in Food Preservation, Processing – Safety – Sustainability, 11-13/11/2009, Budapest, Hungary
22. Chorianopoulos N., Giaouris E., Skandamis P., Sofos J. and Nychas G.-J. 2009. Effect of *Listeria monocytogenes* acid tolerance response (ATR) on its adherent survival under food processing-related stresses and on the subsequent disinfection of attached cells with standard acid and natural sanitizers. 97<sup>th</sup> Annual Meeting of International Association of Food Protection (IAFP), 01-04/08/2010, Anaheim, California, USA
23. Chorianopoulos N., Giaouris E., Skandamis P. and Nychas G.-J. 2010. Effect of *Listeria monocytogenes* acid tolerance response (ATR) on its adherent survival under food processing-related stresses and on the subsequent disinfection of attached cells with standard acid and natural sanitizers. 22<sup>nd</sup> International ICFMH Symposium, Food Micro 2010, Microbial Behaviour in the Food Chain, 30/08-03/09/2010, Copenhagen, Denmark
24. Chorianopoulos N., Giaouris E., Skandamis P., Sofos J. and Nychas G.-J. 2010. Effect of *Listeria monocytogenes* acid tolerance response (ATR) on its adherent survival under food processing-related stresses and on the subsequent disinfection of attached cells with standard acid and natural sanitizers. Advancing Beef Safety and Quality through Research and Innovation, International Conference organised by the European Commission Research Project: “ProSafeBeef”, 05-07/10/2010, Institute of Biological, Environmental and Rural Sciences (IBERS), Aberystwyth University, Aberystwyth, Wales, UK
25. Giaouris E., Chorianopoulos N., Kostaki M. and Nychas G.-J. 2011. Study of biofilm formation by foodborne pathogenic and technological bacteria on model stainless steel surfaces, under mono-species and dual-species conditions, and evaluation of resistance of these sessile communities to chemical disinfectants. COST Exploratory Workshop, 22-23/06/2011, Berlin, Germany

#### **Εργασίες σε ελληνικά συνέδρια**

1. Giaouris E., Chorianopoulos N., Koutsoumanis K. and Nychas G.-J.. 2004. Effect of temperature, pH and water activity on biofilm formation by the pathogenic bacterium *Salmonella* Enteritidis. 3<sup>rd</sup> Hellenic Symposium on Food Hygiene and Food Technology, Hellenic Veterinary Medical Society (HVMS), 18-19/03/2004, Athens, Greece
2. Kostaki M., Giaouris E., Chorianopoulos N., Panagou E. and Nychas G.-J. 2011. Study of biofilm formation by foodborne pathogenic and useful bacteria on model stainless steel surfaces under various mixed-culture conditions and disinfection studies. 2<sup>nd</sup> Hellenic Congress on Veterinary of Productive Animals / Hygiene and Safety of Foods of Animal Origin, Hellenic Veterinary Medical Society (HVMS), 18-20/03/2011, Thessaloniki, Greece
3. Giaouris E. 2011. Study of biofilm formation by foodborne pathogenic and useful bacteria on model stainless steel surfaces under various mixed-culture conditions and disinfection studies. Info-day for the Presentation of Research Results for the Food Industry, Food Industrial Research and Technological Development Company (ETAT SA), 06/04/2011, Athens, Greece
4. Kostaki M., Giaouris E., Chorianopoulos N., Panagou E. and Nychas G.-J. 2011. Study of biofilm formation by foodborne pathogenic and useful bacteria on stainless steel surfaces and subsequent disinfection: molecular identification and evaluation of strain resistance. 4<sup>th</sup> Hellenic Food Congress: Modern Approach to Food Hygiene and Safety, Hellenic Veterinary Medical Society (HVMS), 11-13/11/2011, Thessaloniki, Greece
5. Kouklada T., Chorianopoulos N., Giaouris E., Panagou E. and Nychas G.-J. 2011. Evaluation of biofilm resistance on stainless steel surfaces and study of their adaptability after the use of inadequate disinfectant solutions. 4<sup>th</sup> Hellenic Food Congress: Modern Approach to Food Hygiene and Safety, Hellenic Veterinary Medical Society (HVMS), 11-13/11/2011, Thessaloniki, Greece

6. Giaouris E. and Nychas G.-J. 2005. Attachment to stainless steel by *Salmonella* Enteritidis during its growth in different model food-processing systems: importance of air-liquid interface and nutrient availability. 1<sup>st</sup> Hellenic Congress on Food Technology and Biotechnology, Hellenic Association of Chemical Engineers, 31/03-02/04/2005, Athens, Greece
7. Brahou E., Giaouris E., Skandamis P. and Nychas G.-J. 2009. Attachment to and biofilm formation on polystyrene microplates and stainless steel surfaces by food-relevant bacterial strains. 3<sup>nd</sup> Hellenic Congress on Food Biotechnology, 15-17/10/2009, Rethymno, Greece
8. Chorianopoulos N., Giaouris E., Tsoykleris D., Panagou E., Falaras P. and Nychas G.-J. 2010. Alternative strategies to control biofilm formation by the pathogenic bacterium *Listeria monocytogenes* using natural antimicrobial systems and nanotechnologies. 3<sup>nd</sup> Hellenic Congress of Interdisciplinary Society of Food Hygiene Assurance, “*Modern perceptions on safety and quality of foods: the convergence of sciences*”, 04-06/06/2010, Thessaloniki, Greece
9. Kostaki M., Giaouris E., Chorianopoulos N. and Nychas G.-J. 2010. Study of biofilm formation by foodborne pathogenic and useful bacteria on model stainless steel surfaces, under various mixed-culture conditions, and disinfection studies. 3<sup>nd</sup> Congress of the Hellenic Scientific Society Mikrobiokosmos, 16-18/12/2010, Thessaloniki, Greece

### Συγγράμματα

1. Makris D. P., 2006. *Laboratory Techniques II*. Department of Food Quality & Chemistry of Natural Products, M. A. I. Ch., Chania, HELLAS.
2. Μακρής Δ. Π., 2004. Τεχνολογίες Αξιοποίησης Αμπελοοινικών Υποπροϊόντων-Εργαστηριακές Ασκήσεις, Τμήμα Οινολογίας & Τεχνολογίας Ποτών, Τ. Ε. Ι. Αθήνας.

### Κεφάλαια σε βιβλία

1. Kefalas P., Makris D.P., 2006. CHAPTER 4. Liquid chromatography-mass spectrometry techniques in flavonoid analysis: recent advances. In “Antioxidant Plant Phenols: Sources, Structure-Activity Relationship, Current Trends in Analysis and Characterization”, Boskou D., Gerothanasis I., Kefalas P. Ed., Research Signpost Publ., pp 69-123.

### Βιβλιογραφικές Ανασκοπήσεις

1. Makris D. P.<sup>†</sup>, Kallithraka S., Kefalas P., 2006. Critical Review. Flavonols in grapes, grape products and wines: burden, profile and influential parameters. *Journal of Food Composition and Analysis*, 19, 396-404.
2. Makris D. P.<sup>†</sup>, Kallithraka S., Kefalas P., 2003. Polyphenols in Hellenic wines: Creating composition tables as a tool for epidemiological studies. *Journal of Wine Researc*, 14(2-3), 103-114.

### Ερευνητικές Εργασίες

1. Karvela E., Makris D.P.<sup>†</sup>, Karathanos V.T., 2012. Implementation of response surface methodology to assess the antiradical behaviour in mixtures of ascorbic acid and  $\alpha$ -tocopherol with grape (*Vitis vinifera*) stem extracts. *Food Chemistry* (in press).
2. Khiari Z., Makris D.P.<sup>†</sup>, 2012. Stability and transformation of major flavonols in onion (*Allium cepa*) solid wastes. *Journal of Food Science & Technology* (in press).
3. Aoun M., Makris D.P.<sup>†</sup>, 2011. Binary mixtures of natural polyphenolic antioxidants with ascorbic acid: Impact of interactions on the antiradical activity. *International Food Research Journal* (in press).
4. El Agha A., Makris D.P.<sup>†</sup>, 2011. Biocatalytic characteristics, product formation and putative pathway of *p*-coumaric acid oxidation by a crude peroxidase from onion. *Acta Alimentaria* (in press).
5. Osman A., El Agha A., Makris D.P.<sup>†</sup>, Kefalas P., 2011. Chlorogenic acid oxidation by a crude peroxidase preparation: biocatalytic characteristics and oxidation products. *Food and Bioprocess Technology* (in press).
6. Karvela E., Makris D.P.<sup>†</sup>, Kalogeropoulos N., Karathanos V.T., 2011. The effect of pH on the efficiency of vinification by-product extracts to inhibit lipid peroxidation in a lecithin liposome model matrix. *Journal of Food Quality*, 34, 299-305.
7. Osman A., Makris D.P.<sup>†</sup>, 2011. Oxidation of morin (2',3,4',5,7-pentahydroxyflavone) with a peroxidase homogenate from onion. *International Food Research Journal*, 18(3), 1039-1043.
8. Sidani B., Makris D.P.<sup>†</sup>, 2011. Interactions of natural antioxidants with red grape pomace anthocyanins in a liquid model matrix: stability and copigmentation effects. *Chemical Industry & Chemical Engineering Quarterly*, 17(1), 59-66.
9. Osman A., Makris D.P.<sup>†</sup>, 2010. Comparison of fisetin and quercetin oxidation with a cell-free extract of onion trimmings and peel, plant waste, containing peroxidase enzyme: a further insight into flavonol degradation mechanism. *International Journal of Food Science & Technology*, 45, 2265-2271.
10. Makris D.P.<sup>†</sup>, 2010. Optimisation of anthocyanin recovery from onion (*Allium cepa*) solid wastes using response surface methodology. *e-Journal of Environmental, Agricultural & Food Chemistry*, 9(10), 1587-1592.
11. Galuska S., Makris D. P. <sup>†</sup>, Kefalas P., 2010. Browning development in wine-like liquid model matrices: dependence on phenolic, Fe(III) and SO<sub>2</sub> concentrations. *Journal of Food Process Engineering*, 33, 934-945.
12. Barakat N., Makris D. P. <sup>†</sup>, Kefalas P., Psillakis E., 2010. Investigation on the removal of olive mill waste water phenolics with the use of a crude peroxidase extract from onion solid by-products. *Environmental Chemistry Letters*, 8, 271-275.
13. Moussouni S., Detsi A., Majdalani M., Makris D.P., Kefalas P., 2010. Crude peroxidase from onion solid waste as a tool for organic synthesis. Part I: Cyclisation of 2',3,4,4',6'-pentahydroxy-chalcone to aureusidin. *Tetrahedron Letters*, 51, 4076-4078.

14. Kalogeropoulos N., Yannakopoulou K., Gioxari A., Chiou A., Makris D.P., 2010. Polyphenol characterization and encapsulation in  $\beta$ -cyclodextrin of a flavonoid-rich *Hypericum perforatum* (St. John's wort) extract. *LWT*, 43, 882 - 889.
15. Sadek E.S., Makris D.P.<sup>†</sup>, Kefalas P., 2009. Polyphenolic composition and antioxidant characteristics of kumquat (*Fortunella margarita*) peel fractions. *Plant Foods for Human Nutrition*, 64, 297 - 302.
16. Kallithraka S., Aliaj L., Makris D. P. <sup>†</sup>, Kefalas P., 2009. Anthocyanin profiles of major red grape (*Vitis vinifera* L.) varieties cultivated in Greece and their relationship with *in vitro* antioxidant characteristics. *International Journal of Food Science & Technology*, 44, 2385 - 2393.
17. Khiari Z., Makris D. P.<sup>†</sup>, Kefalas P., 2009. An investigation on the recovery of antioxidant phenolics from onion solid wastes employing water/ethanol-based solvent systems. *Food and Bioprocess Technology*, 4, 337-343.
18. Karvela E., Makris D.P.<sup>†</sup>, Kalogeropoulos N., Karathanos V.T., Kefalas P., 2009. Factorial design optimisation of grape (*Vitis vinifera*) seed polyphenol extraction. *European Food Research and Technology*, 229(5), 731-743.
19. Karvela E., Makris D.P.<sup>†</sup>, Kalogeropoulos N., Karathanos V.T., 2009. Deployment of response surface methodology to optimise recovery of grape (*Vitis vinifera*) stem polyphenols. *Talanta*, 79, 1311-1321.
20. El Agha A., Abbeddou S., Makris D. P. <sup>†</sup>, Kefalas P., 2009. Biocatalytic properties of a peroxidase-active cell-free extract from onion solid wastes: caffeic acid oxidation. *Biodegradation*, 20(2), 143-153.
21. Kiassos E., Mylonaki S., Makris D. P. <sup>†</sup>, Kefalas P., 2009. Implementation of response surface methodology to optimise extraction of onion (*Allium cepa*) solid waste phenolics. *Innovative Food Science and Emerging Technologies*, 10, 246-252.
22. Khiari Z., Makris D. P.<sup>†</sup>, Kefalas P., 2008. Recovery of bioactive flavonols from onion solid wastes employing water/ethanol-based solvent systems. *Food Science & Technology International*, 14(6), 497-502.
23. Mourtzinis I., Makris D.P., Yannakopoulou K., Kalogeropoulos N., Michali I., Karathanos V.T., 2008. Thermal stability of anthocyanin extract of *Hibiscus sabdariffa* L. in the presence of  $\beta$ -cyclodextrin. *Journal of Agricultural and Food Chemistry*, 56, 10303-10310.
24. Mylonaki S., Kiassos E., Makris D. P. <sup>†</sup>, Kefalas P., 2008. Optimisation of the extraction of olive (*Olea europaea*) leaf phenolics using water/ethanol-based solvent systems and response surface methodology. *Analytical and Bioanalytical Chemistry*, 392, 977-985.
25. El Agha A., Makris D. P. <sup>†</sup>, Kefalas P., 2008. Peroxidase-active cell free extract from onion solid wastes: biocatalytic properties and putative pathway of ferulic acid oxidation. *Journal of Bioscience and Bioengineering*, 106(3), 279-285.
26. Karathanos V., Syrimbei C., Chiou A., Karathanos A., Makris D. P., 2008. Evolution of benzoate derivatives and their hydroxycinnamate analogues during ageing of white wines in oak barrels. *Journal of Food Composition and Analysis*, 21, 667-671.
27. El Agha A., Makris D. P. <sup>†</sup>, Kefalas P., 2008. Hydrocaffeic acid oxidation by a peroxidase homogenate from onion solid wastes. *European Food Research & Technology*, 227, 1379-1386.
28. Osman A., Makris D. P.<sup>†</sup>, Kefalas P., 2008. Investigation on biocatalytic properties of a peroxidase-active homogenate from onion solid wastes: an insight into quercetin oxidation mechanism. *Process Biochemistry*, 43, 861-867.
29. Karvela E., Makris D. P.<sup>†</sup>, Kefalas P., Moutounet M., 2008. Extraction of phenolics in liquid model matrices containing oak chips: kinetics, liquid chromatography-mass spectroscopy characterization and association with *in vitro* antiradical activity. *Food Chemistry*, 110, 263-272.
30. Makris D. P. <sup>†</sup>, Boskou G., Andrikopoulos N. K., Kefalas P., 2008. Characterisation of certain major polyphenolic antioxidants in grape (*Vitis vinifera* cv. Roditis) stems by liquid chromatography-mass spectrometry. *European Food Research and Technology*, 226, 1075-1079.
31. Makris D. P.<sup>†</sup>, Boskou G., Chiou A., Andrikopoulos N. K., 2008. An investigation on factors affecting recovery of antioxidant phenolics and anthocyanins from red grape (*Vitis vinifera* L.) pomace employing water/ethanol-based solutions. *American Journal of Food Technology*, 3(3), 164-173.
32. Turan B., Gülşen A., Makris D. P.<sup>†</sup>, Kefalas P., 2007. Interactions between quercetin and catechin in a model matrix: effects on the *in vitro* antioxidant behaviour. *Food Research International*, 40, 819-826.
33. Gülşen A., Turan B., Makris D. P.<sup>†</sup>, Kefalas P., 2007. Copper(II)-mediated biomimetic oxidation of quercetin: generation of a naturally occurring oxidation product and evaluation of it *in vitro* antioxidant properties. *European Food Research and Technology*, 225, 437-441.
34. Kallithraka S., Mamalos A., Makris D. P. <sup>†</sup>, 2007. Differentiation of young red wines based on chemometrics of minor polyphenolic constituents. *Journal of Agricultural and Food Chemistry*, 55, 3233-3239.
35. Makris D. P.<sup>†</sup>, Boskou G., Andrikopoulos N. K., 2007. Recovery of antioxidant phenolics from white vinification solid by-products employing water/ethanol mixtures. *Bioresource Technology*, 98, 2963-2967.
36. Makris D. P.<sup>†</sup>, Boskou G., Andrikopoulos N. K., 2007. Polyphenolic content and *in vitro* antioxidant characteristics of wine industry and other agri-food solid waste extracts. *Journal of Food Composition and Analysis*, 20, 125-132.

37. Gülşen A., Makris D. P.<sup>†</sup>, Kefalas P., 2007. Biomimetic oxidation of quercetin: isolation of a naturally occurring quercetin heterodimer and evaluation of its *in vitro* antioxidant properties. *Food Research International*, 40, 7-14.
38. Kefalas P., Makris D.P., 2006. Exploitation of agri-food solid wastes for recovery of high added-value compounds: the case of grape pomace and onion peels. *Bulletin USAMV-CN*, 62, 276-281.
39. Makris D. P.<sup>†</sup>, Kallithraka S., Mamalos A., 2006. Differentiation of young red wines based on cultivar and geographical origin with application of chemometrics of principal polyphenolic constituents. *Talanta*, 70, 1143-1152.
40. Dourtoglou V. G., Mamalos A., Makris D. P., 2006. Storage of olives (*Olea europaea*) under CO<sub>2</sub> atmosphere: effect on anthocyanins, phenolics, sensory attributes and *in vitro* antioxidant properties. *Food Chemistry*, 99, 342-349.
41. Dourtoglou V. G., Mamalos A., Makris D. P., Kefalas P., 2006. Storage of olives (*Olea europaea* L.) under CO<sub>2</sub> atmosphere: liquid chromatography-mass spectrometry characterization of indices related to changes in the polyphenolic metabolism. *Journal of Agricultural and Food Chemistry*, 54, 2211-2217.
42. Sioumis N., Kallithraka S., Makris D. P.<sup>†</sup>, Kefalas P., 2006. Kinetics of browning onset in white wines: influence of principal redox-active polyphenols and impact on the reducing capacity. *Food Chemistry*, 94, 98-104.
43. Mansouri A., Makris D. P., Kefalas P., 2005. Determination of hydrogen peroxide scavenging activity of cinnamic and benzoic acids employing a highly sensitive peroxyoxalate chemiluminescence-based assay: structure-activity relationships. *Journal of Pharmaceutical and Biomedical Analysis*, 39, 22-26.
44. Sioumis N., Kallithraka S., Tsoutsouras E., Makris D. P.<sup>†</sup>, Kefalas P., 2005. Browning development in white wines: dependence on compositional parameters and impact on antioxidant characteristics. *European Food Research and Technology*, 220, 326-330.
45. Bassil D., Makris D. P.<sup>†</sup>, Kefalas P., 2005. Oxidation of caffeic acid in the presence of L-cysteine: isolation of 2-S-cysteinylcaffeic acid and evaluation of its antioxidant properties. *Food Research International*, 38(4), 395-402.
46. Makris D. P.<sup>†</sup>, Kefalas P., 2005. Association between *in vitro* antiradical activity and ferric reducing power in aged red wines: a mechanistic approach. *Food Science & Technology International*, 11(1), 11-18.
47. Kallithraka S., Mohdaly A. A.-A., Makris D. P., Kefalas P., 2005. Determination of major anthocyanin pigments in Hellenic native grape varieties (*Vitis vinifera* sp.): association with antiradical activity. *Journal of Food Composition and Analysis*, 18, 375-386.
48. Guendez R., Kallithraka S., Makris D. P., Kefalas P., 2005. An analytical survey of the polyphenols of seeds of varieties of grape (*Vitis vinifera* sp.) cultivated in Greece: implications for exploitation as a source of value-added phytochemicals. *Phytochemical Analysis*, 16, 17-23.
49. Guendez R., Kallithraka S., Makris D. P.<sup>†</sup>, Kefalas P., 2005. Determination of low molecular weight polyphenolic constituents in grape (*Vitis vinifera* sp.) seed extracts: correlation with antiradical activity. *Food Chemistry*, 89(1), 1-9.
50. Makris D. P.<sup>†</sup>, Kefalas P., 2004. Carob pods (*Ceratonia siliqua* L.) as a source of polyphenolic antioxidants. *Food Technology and Biotechnology*, 42(2), 105-108.
51. Kefalas P., Kallithraka S., Parejo I., Makris D. P.<sup>†</sup>, 2003. A comparative study on the *in vitro* antiradical activity and hydroxyl free radical scavenging activity in aged red wines. *Food Science & Technology International*, 9(6), 383-387.
52. Makris D. P.<sup>†</sup>, Psarra E., Kallithraka S., Kefalas P., 2003. The effect of polyphenolic composition as related to antioxidant capacity in white wines. *Food Research International*, 36(8), 805-814.
53. Arnous A., Makris D. P.<sup>†</sup>, Kefalas P., 2002. Correlation of pigment and flavanol content with antioxidant properties in selected aged regional wines from Greece. *Journal of Food Composition and Analysis*, 15(6), 655-665.
54. Arnous A., Petrakis C., Makris D. P., Kefalas P., 2002. A peroxyoxalate chemiluminescence-based assay for the evaluation of hydrogen peroxide scavenging activity employing 9,10-diphenylanthracene as fluorophore. *Journal of Pharmacological and Toxicological Methods*, 48(3), 171-177.
55. Arnous A., Makris D. P.<sup>†</sup>, Kefalas P., 2002. Anthocyanin composition and colour characteristics of selected aged wines produced in Greece. *Journal of Wine Research*, 13(1), 23-34.
56. Makris D. P.<sup>†</sup>, Rossiter J. T., 2002. Effect of natural antioxidants on heat-induced, copper(II)-catalysed, oxidative degradation of quercetin and rutin (quercetin 3-O-rutinoside) in aqueous model systems. *Journal of the Science of Food and Agriculture*, 82(10), 1147-1153.
57. Psarra E., Makris D. P.<sup>†</sup>, Kallithraka S., Kefalas P., 2002. Evaluation of the antiradical and reducing properties of selected Greek white wines: Correlation with polyphenolic composition. *Journal of the Science of Food and Agriculture*, 82(9), 1014-1020.
58. Makris D. P.<sup>†</sup>, Rossiter J. T., 2002. An investigation on structural aspects influencing product formation in enzymic and chemical oxidation of quercetin and related flavonols. *Food Chemistry*, 77(2), 177-185.
59. Makris D. P.<sup>†</sup>, Rossiter J. T., 2002. Hydroxyl free radical-mediated oxidative degradation of quercetin and morin: A preliminary investigation. *Journal of Food Composition and Analysis*, 15(1), 103-113.

60. Arnous A., Makris D. P.<sup>†</sup>, Kefalas P., 2001. Effect of principal polyphenolic components in relation to antioxidant characteristics of aged red wines. *Journal of Agricultural and Food Chemistry*, 49(12), 5736-5742.
61. Makris D. P.<sup>†</sup>, Rossiter J. T., 2001. Comparison of quercetin and a non-orthohydroxy flavonol as antioxidants by competing *in vitro* oxidation reactions. *Journal of Agricultural and Food Chemistry*, 49(7), 3370-3377.
62. Makris D. P.<sup>†</sup>, Rossiter J. T., 2001. Domestic processing of onion bulbs (*Allium cepa*) and asparagus spears (*Asparagus officinalis*): Effect on flavonol content and antioxidant status. *Journal of Agricultural and Food Chemistry*, 49(7), 3216-3222.
63. Makris D. P., Rossiter J. T., 2000. Heat-induced, metal-catalyzed oxidative degradation of quercetin and rutin (quercetin 3-*O*-rhamnosylglucoside) in aqueous model systems. *Journal of Agricultural and Food Chemistry*, 48(9), 3830-3838.
64. Dourtoglou V. G., Makris D. P., Bois-Dounas F., Zonas C., 1999. *Trans*-Resveratrol concentration in wines produced in Greece. *Journal of Food Composition and Analysis*, 12(3), 227-233.

### Πρακτικά συνεδρίων με κριτές

1. Detsi A, Makris D.P., Roussis V., Kefalas P., 2009. Chalcones and aurones: chemical and enzymic synthesis, structure elucidation and evaluation of their antioxidative and insecticidal activity. In "Instrumental Methods of Analysis 2009; Modern Trends and Applications", 4 - 8 October, Athens, Greece.
2. Μακρής Δ. Π.<sup>†</sup>, Κεφάλας Π., 2009. Απομάκρυνση φαινολικών ουσιών από υγρά απόβλητα ελαιουργείου με χρήση ακατέργαστου εκχυλίσματος πολυφαινολοξειδάσης από υποπροϊόντα πατάτας. Ημέρες Χημείας Τροφίμων, 13-14 Φεβρουαρίου, Αθήνα.
3. Kallithraka S., Salacha I.M., Tzourou E., Makris D.P., 2007. Polyphenolic composition of Greek young red wines. 3rd International Conference MeDiet 2007, "Traditional Mediterranean Diet: Past, Present and Future", 25-26 April, Athens, HELLAS.
4. Kallithraka S., Makris D. P., Tzourou E., Tsoutsouras E., Lanaridis P., 2005. Stilbene, flavonol and anthocyanin profiles of experimental red wines from Merlot, Cabernet Sauvignon and Agiorgitiko cultivars. Proceedings, 4th International Conference of Food Technology, "Assessing Useful Technologies...Optimizing Food Safety and Nutrition", 18-19 February 2005, Athens, pp. 255-260.
5. Βουρδουμπάς Γ., Μακρής Δ., Κεφάλας Π., Καλιακάτσος Γ., Ναξάκης Γ., 2002. Εκμετάλλευση του χαρουπιού για παραγωγή βιοαιθανόλης. 7ο Εθνικό Συνέδριο του ΙΗΤ (Ινστιτούτο Ηλιακής Τεχνολογίας) για τις Ήπιες Μορφές Ενέργειας, 6-8 Νοεμβρίου, ΠΑΤΡΑ.
6. Vourdoubas J., Makris D., Kefalas P., Kaliakatsos J., 2002. Studies on the production of bioethanol from carob. In "12th European Conference and Technology Exhibition on Biomass For Energy, Industry and Climate Protection" proceedings, Amsterdam, The Netherlands, pp. 489-493.
7. Makris D. P., Rossiter J. T., 2000. Quercetin and rutin (quercetin 3-*O*-rhamnosylglucoside) thermal degradation in aqueous media under alkaline conditions. In "Functional Foods II-Claims and Evidence", Buttriss J. & Saltmarsh M. ed., London: Royal Society of Chemistry Press, pp. 216-238.

### Περίληψεις σε συνέδρια με κριτές

1. Khiari Z., Makris D.P.<sup>†</sup>, Kefalas P., 2007. Recovery of antioxidant flavonols from onion solid wastes by employing water/ethanol-based solvent systems. 2nd Panhellenic Congress of the Greek Lipid Forum, "Fats, Oils and Lipids: Present and Future", 7-8 June, National Research Foundation, Athens, HELLAS.
2. Kallithraka S., Makris D. P., Salacha M., Tzourou E., Tsoutsouras E., Lanaridis P., 2006. Differentiation of young red wines based on chemometrics of minor polyphenolic constituents. XXIXth World Congress of Vine and Wine, 25-30 June, Logroño, Spain.
3. Ντουρτόγλου Β. Γ., Μακρής Δ. Π., Μάμαλος Α., 2005. Νέα μέθοδος για την ταχεία αποπύκνωση της ελιάς με χρήση τροποποιημένων ατμοσφαιρών. Εφαρμογή στην επιτραπέζια ελιά. 1ο Πανελλήνιο Συνέδριο στις Σύγχρονες Τάσεις στον Τομέα των Λιπών και Ελαίων, 8-9 Ιουνίου 2005, Εθνικό Ίδρυμα Ερευνών, ΑΘΗΝΑ.
4. Kallithraka T., Makris D., Kefalas P., 2003. The effect of polyphenolic composition as related to antioxidant capacity in Greek white wines. In "Œnologie 2003", 7th international symposium of œnology, Paris: Tec & Doc Editions, pp. 674-677.
5. Makris D. P., Rossiter J. T., 2000. High-performance liquid chromatography studies on free-radical oxidation of flavonols. In "Dietary Anticarcinogens and Antimutagens. Chemical and Biological Aspects", Johnson I. T. & Fenwick G. R. ed., London: Royal Society of Chemistry Press, pp. 249-251.

### Λοιπές δημοσιεύσεις

1. Βουρδουμπάς Γ., Κεφάλας Π., Ζωγραφάκης Ν., Μακρής Δ., 2003. Δυνατότητες παραγωγής αιθανόλης από χαρούπια και χρήση της σαν καύσιμο οχημάτων. Γεωργία-Κτηνοτροφία, 3, 26-31.

**Εργασίες σε διεθνή επιστημονικά περιοδικά με κριτές**

1. Anastasiou CA, Kavouras SA, Koutsari C, et al. Effect of maltose-containing sports drinks on exercise performance. *Int J Sport Nutr Exerc Metab* 2004;14:609-25.
2. Pechlivani F, Vassilakou T, Sarafidou J, Zachou T, Anastasiou CA, Sidossis LS. Prevalence and determinants of exclusive breastfeeding during hospital stay in the area of Athens, Greece. *Acta Paediatr* 2005;94:928-34.
3. Skenderi KP, Kavouras SA, Anastasiou CA, Yiannakouris N, Matalas AL. Exertional Rhabdomyolysis during a 246-km continuous running race. *Med Sci Sports Exerc* 2006;38:1054-7.
4. Kavouras SA, Panagiotakos DB, Pitsavos C, et al. Physical activity, obesity status, and glycemic control: The ATTICA study. *Med Sci Sports Exerc* 2007;39:606-11.
5. Pitsavos C, Kavouras SA, Panagiotakos DB, et al. Physical activity status and acute coronary syndromes survival The GREECS (Greek Study of Acute Coronary Syndromes) study. *J Am Coll Cardiol* 2008;51:2034-9.
6. Skenderi KP, Tsironi M, Lazaropoulou C, et al. Changes in free radical generation and antioxidant capacity during ultramarathon foot race. *Eur J Clin Invest* 2008;38:159-65.
7. Anastasiou CA, Kavouras SA, Arnaoutis G, et al. Sodium replacement and plasma sodium drop during exercise in the heat when fluid intake matches fluid loss. *J Athl Train* 2009;44:117-23.
8. Anastasiou CA, Kavouras SA, Lentzas Y, Gova A, Sidossis LS, Melidonis A. Diabetes mellitus is associated with increased intramyocellular triglyceride, but not diglyceride, content in obese humans. *Metabolism* 2009;58:1636-42.
9. Anastasiou CA, Kavouras SA, Lentzas Y, Gova A, Sidossis LS, Melidonis A. Moderate weight loss depletes intramyocellular triglycerides but has no effect on diglycerides in type II diabetes. *Eur J Clin Nutr* 2010;64:328-30.
10. Anastasiou CA, Yannakoulia M, Pirogianni V, Rapti G, Sidossis LS, Kavouras SA. Fitness and weight cycling in relation to body fat and insulin sensitivity in normal-weight young women. *J Am Diet Assoc* 2010;110:280-4.
11. Kavouras SA, Anastasiou CA. Water physiology: essentiality, metabolism and health implications. *Nutrition Today* 2010;45:S27-32.
12. Maraki MI, Aggelopoulou N, Christodoulou N, et al. Lifestyle intervention leading to moderate weight loss normalizes postprandial triacylglycerolemia despite persisting obesity. *Obesity (Silver Spring)* 2011;19:968-76.

**Περίληψεις σε Διεθνή Συνέδρια**

1. Arnaoutis, G., Anastasiou, C.A., Stamatelopoulos, K., Lykka, M., Stratakis, N., Papamichael, C., Sidossis, L.S., Kavouras, S.A. The effect of moderate dehydration on endothelial function. *Med. Sci. Sports Exerc.* 41(5): 152-3, 2009.
2. Anastasiou C.A., Kavouras, S.A., Lentzas, Y., Gova, A., Sidossis, L.S., Melidonis, A. No effect of diabetes on intramyocellular diglyceride accumulation in human skeletal muscle. *FASEB J.* 23: 990.10, 2009.
3. Arnaoutis, G., Giouxari, A., Kollia, M., Anastasiou, C., Sidossis, L., Kavouras, S. Sodium and fluid replacement during prolonged exercise in the heat may be beneficial in preventing the appearance of exercise associated muscle cramps, In *Proceedings of the Annual Congress of the European College of Sport Science.* Estoril, 2008.
4. Echegaray, M., Kavouras, S., Anastasiou, C.A., Sidossis, L. Lipoprotein Lipase PvuII Polymorphism is Associated with Endurance Running Performance, *Med. Sci. Sports Exerc.* 38(5): S48, 2006.
5. Kavouras, S.A., Panagiotakos, D.B., Pitsavos, C., Chrysohoou, C., Anastasiou, C.A., Lentzas, Y., Stefanadis, C. Physical Activity Status in Relation to Glycemic Control: The ATTICA Study, *Diabetes* 55(1): A540-541, 2006.

6. Kavouras, S.A., Arnaoutis, G., Gioxari, A., Kollia, M., Anastasiou, C.A., Sidossis, L.S. Sodium Intake during Prolonged Exercise in the Heat May Prevent Hyponatremia, *Med. Sci. Sports Exerc.* 38(5): S217, 2006.
7. Anastasiou, C.A., Kavouras, S.A.; Rapti, G.; Pyrogianni, V., Yannakoulia, M., Sidossis, L.S. Increased Body Fat Diminishes Insulin Sensitivity in Young, Non-Obese, Healthy, Women, *Med. Sci. Sports Exerc.* 38(5): S463, 2006.
8. Anastasiou, C.A., Kavouras, S.A., Yannakouris, N., Skenderi, K.P., Tsekouras, Y., Matalas, A.L. Hyponatremia: A Common Phenomenon During Ultra-Endurance Exercise, In Proceedings of the 5<sup>th</sup> International Conference on Nutrition and Fitness. War Museum of Athens, Greece, pp. 181, 2004
9. Kavouras, S.A., Anastasiou, C.A., Skenderi, K.P, Tsekouras, Y., Echegaray, M., Matalas, A. L. Fluid and Electrolyte Balance in Ultra-Endurance Running. *Med. Sci. Sports Exerc.* 36(5): S180, 2004
10. Skenderi, K.P., Anastasiou, C.A., Tsironi, M., Papassotiriou, I., Kavouras, S.A., Matalas, A. L. Immune and Inflammatory Responses to a 246 km Ultraendurance Running Race. *Med. Sci. Sports Exerc.* 36(5): S255, 2004
11. Kavouras, S.A., Anastasiou, C., Yiannakouris, N., Skenderi, K.P., Andriotis, G., Armstrong, L.E., FACSM, Matalas, A.L. Incidence of Hyponatremia After a 246 km Continuous Foot Race. *Med. Sci. Sports Exerc.* 35(5): Suppl.1: S246, 2003
12. Skenderi, K.P., Kavouras S.A., Anastasiou, C., Yiannakouris, N., Yannakoulia, M., Matalas, A.L. Skeletal Muscle and Hepatic Enzymes Responses to a 246 Km Foot Race. *Med. Sci. Sports Exerc.* 35(5): Suppl. 1: S93, 2003
13. Karipidou, M., Yannakoulia, M., Kavouras, S., Anastasiou, C., Georgakakis, C., Sidossis, L.S. Water polo, unlike swimming, confers osteogenic effect in women. *Acta Diabetologica* 39: S110, 2002
14. Kavouras, S.A., Anastasiou, C., Koutsari, C., Georgakakis, C., Skenderi, K., Sidossis, L.S., Effect of Maltose Containing Sports Drinks on Exercise Performance. *FASEB J.*, 16(4):A630, 2002
15. Karipidou, M., Yannakoulia, M., Kavouras, S.A., Anastasiou, C., Georgakakis, C., Niakaris, C., and Sidossis, L.S. Effect of Type of Activity on Total Bone Mineral Density. In Proceedings of the 7<sup>th</sup> Annual Congress of the European College of Sport Science. Athens, Greece, pp. O148, 2002
16. Farajian, P., Kavouras, S.A., Yannakoulia, M., Anastasiou, C., Georgakakis, C., and Sidossis, L.S. Dietary Intake and Nutritional Practices of Elite Greek Athletes of Aquatic Sports. In Proceedings of the 7<sup>th</sup> Annual Congress of the European College of Sport Science. Athens, Greece, pp. O677, 2002
17. Matalas, A-L., Anastasiou, C., Yannakoulia, M., and Yannakouris, N. Body Composition and Dietary Patterns of Ultra-Endurance Runners and Associations with Performance: A Case Study Among the Spartathlon 1997 Participants. In Proceedings of the 4<sup>th</sup> International Conference on Nutrition and Fitness: Plan of Action for the 21<sup>st</sup> Century. Ancient Olympia, Greece, pp. 49, 2000

#### Εργασίες σε διεθνή συνέδρια με κριτές

1. Vasios GK, Dimitrakopoulos PG (2007) The productive system of the mastic tree (*Pistacia lentiscus var chia*) as a landscape driver in south of Chios Island, Greece. In: Rokich D, Wardell-Johnson G, Yates C, Stevens J, Dixon K, McLellan R, Moss G (eds). "Proceedings of the MEDECOS XI 2007 Conference", pp 259-260. Kings Park and Botanical Garden, Perth, Australia
2. Vasios GK, Dimitrakopoulos PG (2007) Monitoring the productive system of the mastic tree (*Pistacia lentiscus var chia*) with the use of remote sensing techniques. In: "Abstracts book of EcoSummit 2007 Conference on Ecological Complexity and Sustainability: Challenges and Opportunities for 21st Century's Ecology", pp 93, May 2007, Beijing, China
3. Dimitrakopoulos PG, Kalpakas K, Vasios GK, Troumbis AY (2005) Effectiveness of quantitative methods for selecting priority areas for biodiversity conservation. In: "Abstracts book of the European Ecological Congress '05 (EURECO X)", pp 340, November 2005, Kusadasi, Turkey

#### Εργασίες σε ελληνικά συνέδρια με κριτές

1. Τσούχλης Δ, Βάσιος ΓΚ, Τρούμπης ΑΙ (2008) Ανάγνωση της ιστορίας της Ένωσης Μαστιχοπαραγωγών Χίου (1939-1975) μέσα από το αρχειακό της υλικό: Ποιοτικές και ποσοτικές προσεγγίσεις των πολιτικών της. Στα: "Πρακτικά του 11<sup>ου</sup> Τριήμερου Εργασίας για τη Μαστίχα Χίου", Οκτώβριος 2008, Πολιτιστικό Ίδρυμα Ομίλου Πειραιώς, Χίος
2. Βάσιος ΓΚ, Θωμαΐδου Α, Καρυστινάκης Κ, Δημητρακόπουλος ΠΓ, Τρούμπης ΑΙ (2006) Μελέτη του παραγωγικού συστήματος του σχίνου (*Pistacia lentiscus var chia*) με τη χρήση δορυφορικών εικόνων. Στα: "Πρακτικά του 3<sup>ου</sup> συνεδρίου της ΕΟΕ για την Οικολογία και τη Διατήρηση της Βιοποικιλότητας", σελ 60-65, Πανεπιστημιακό Τυπογραφείο Ιωαννίνων, Νοέμβριος 2006, Ιωάννινα
3. Βάσιος Γ, Δημητρακόπουλος Π, Τρούμπης Α (2004) Ανάπτυξη πλατφόρμας χωρικής ανάλυσης οικολογικών φαινομένων: Η μελέτη της δυναμικής των βιοαποθηκών άνθρακα. Στα: "Πρακτικά του 2<sup>ου</sup> Πανελληνίου Συνεδρίου Ένωσης Ελλήνων Οικολόγων", σελ 12-19, Εκδόσεις Γκιούρδας, Νοέμβριος 2004, Μυτιλήνη
4. Ντάλιας Π, Πέτσικος Χ, Βάσιος Γ, Φλούδα Ε, Τρούμπης Α (2003) Βιοτικές διεργασίες και δυναμική των αποθεμάτων άνθρακα: Εκτίμηση της σημασίας των αλλαγών χρήσεων γης. Στο: "1<sup>ο</sup> Πανελλήνιο Συνέδριο Ένωσης Ελλήνων Οικολόγων", Νοέμβριος 2003, Θεσσαλονίκη

#### Κεφάλαια σε βιβλία

1. Βάσιος ΓΚ, Τρούμπης ΑΙ (2011) Η βιοποικιλότητα ως ρυθμιστής διαχείρισης της υπαίθρου, σελ. 287-304. Στο Μπαμπανάσης Σ. (επιμέλεια έκδοσης). Από την κρίση στη βιώσιμη ανάπτυξη. Εκδόσεις Παπαζήση, Αθήνα.

**Εργασίες σε διεθνή επιστημονικά περιοδικά με κριτές**

1. Kouraklis G, Theocharis S, Vamvakas P, Vagianos C, Glivanou A, Giaginis C, Sioka C. Cyclin D<sub>1</sub> and Rb protein expression and their correlation with prognosis in patients with colon cancer. *World J Surg Oncol* 2006, 4(1): 5. (IF: 1,120).
2. Giaginis C, Dellis D, Tsantili-Kakoulidou A. Effect of mobile phase aqueous component on RP-TLC retention and its implication in lipophilicity determination for a series of structurally diverse drugs. *JPC- J Planar Chromatogr* 2006, 19: 151-156. (IF: 1,247).
3. Vrakas D, Giaginis C, Tsantili-Kakoulidou A. Different retention behaviour of structurally diverse basic and neutral drugs in immobilized artificial membrane and reversed-phase high performance liquid chromatography: Comparison with octanol-water partitioning. *J Chromatogr A* 2006, 1116 (1-2): 158-164. (IF: 4,194).
4. Giaginis C, Gatzidou E, Theocharis S. DNA repair systems as targets of cadmium toxicity. *Toxicol Appl Pharmacol* 2006, 213 (3): 282-290. (IF: 3,993).
5. Koufopoulou S-A, Pistos C, Giaginis C, Tsantili-Kakoulidou A. Application of the ion pair concept to the n-octanol-water partitioning of cefepime and cefpirome. *Int J Pharm* 2006, 316 (1-2): 52-57. (IF: 3,604).
6. Giaginis C, Theocharis S, Tsantili-Kakoulidou A. Contribution to the standardization of the chromatographic conditions for the lipophilicity assessment of neutral and basic drugs. *Anal Chim Acta* 2006, 573-574: 311-318. (IF: 4,310).
7. Giaginis C, Tsantili-Kakoulidou A, Theocharis S. Peroxisome-Proliferator Activated Receptor  $\gamma$  (PPAR $\gamma$ ) ligands as bone turnover modulators. *Expert Opin Invest Drugs* 2007, 16(2): 195-207. (IF: 4,337).
8. Dellis D, Giaginis C, Tsantili-Kakoulidou A. Physicochemical profile of nimesulide. Exploring the interplay of lipophilicity, solubility and ionization. *J Pharm Biomed Anal* 2007, 44(1): 57-62. (IF: 2,733).
9. Giaginis C, Theocharis S, Tsantili-Kakoulidou A. A consideration of PPAR- $\gamma$  ligands in respect to lipophilicity: current trends and perspectives. *Expert Opin Invest Drugs* 2007, 16(4) : 413-417. (IF: 4,337).
10. Giaginis C, Tsantili-Kakoulidou A, Theocharis S. Peroxisome Proliferator-Activated Receptors (PPARs) in the control of bone metabolism. *Fundam Clin Pharmacol* 2007, 21(3): 231-244. (IF: 2,152).
11. Theocharis S, Giaginis C, Parasi A, Margeli A, Kakasis J, Agapitos E, Kouraklis G. Expression of Peroxisome Proliferator-Activated Receptor-gamma in colon cancer: correlation with histopathological parameters, cell cycle related molecules and patients' survival. *Dig Dis Sci* 2007, 52(9): 2305-2311. (IF: 2,060).
12. Giaginis C, Theocharis S, Tsantili-Kakoulidou A. Octanol/water partitioning simulation by reversed-phase high performance liquid chromatography for structurally diverse acidic drugs: Effect of n-octanol as mobile phase additive. *J Chromatogr A* 2007, 1166(1-2): 116-125. (IF: 4,194).
13. Giaginis C, Theocharis S, Tsantili-Kakoulidou A. Investigation of the lipophilic behaviour of some Thiazolidinediones. *J Chromatogr B* 2007, 857(2): 181-187. (IF: 2,971).
14. Giaginis C, Margeli A, Theocharis S. Peroxisome Proliferator-Activated Receptor- $\gamma$  (PPAR- $\gamma$ ) ligands as investigational modulators of angiogenesis. *Expert Opin Invest Drugs* 2007, 16(10): 1561-1571. (IF: 4,337).
15. Giaginis C, Tsantili-Kakoulidou A. The current state of the art in HPLC methodology for lipophilicity assessment of basic drugs. A review. *J Liq Chromatogr RT* 2008, 31: 1-18. (IF: 0,953).
16. Papaefthymiou M, Giaginis C, Theocharis S. DNA repair alterations in common pediatric malignancies. *Med Sci Monit* 2008, 14(1): RA8-15. (IF: 1,699).
17. Vrakas D, Giaginis C, Tsantili-Kakoulidou A. Electrostatic interactions and ionization effect in IAM retention. A comparative study with octanol-water partitioning. *J Chromatogr A* 2008, 1187 (1-2): 67-78. (IF: 4,194).

18. Giaginis C, Davides D, Zarros A, Noussia O, Kouraklis G, Theocharis S. Clinical significance of tumor-associated antigen RCAS1 expression in human pancreatic ductal adenocarcinoma. *Dig Dis Sci* 2008, 53 (6): 1728-1734. (IF: 2,060).
19. Giaginis C, Tsantili Kakoulidou A, Theocharis S. Peroxisome Proliferator Activated Receptor- $\gamma$  (PPAR- $\gamma$ ) ligands: potential pharmacological agents for targeting the angiogenic signaling cascade in cancer. *PPAR Res* 2008, 2008: 431763. (IF: 2,767).
20. Giaginis C, Tsantili-Kakoulidou A. Alternative measures of lipophilicity. From octanol water partitioning to IAM retention. *J Pharm Sci* 2008, 97(8): 2984-3004. (IF: 3,031).
21. Giaginis CT, Zarros AC, Papaefthymiou MA, Papadopoulou AE, Sfiniadakis IK, Theocharis SE. Coxsackievirus and Adenovirus Receptor expression in human endometrial adenocarcinoma: possible clinical implications. *World J Surg Oncol* 2008, 6(1): 59. (IF: 1,120).
22. Giaginis C, Spanopoulou E, Theocharis S. PPAR- $\gamma$  signaling pathway in placental development and function: A potential therapeutic target in the treatment of gestational diseases. *Expert Opin Ther Targets* 2008, 12(8): 1049-1063. (IF: 3,649).
23. Giaginis C, Tsourouflis G, Theocharis S. Peroxisome Proliferator-Activated Receptor- $\gamma$  (PPAR- $\gamma$ ) ligands: novel pharmacological agents in the treatment of ischemia reperfusion injury. *Curr Mol Med* 2008, 8(6): 562-579. (IF: 5,210).
24. Giaginis C, Theocharis S, Tsantili-Kakoulidou A. Quantitative structure-activity relationships for PPAR- $\gamma$  binding and gene transactivation of tyrosine-based agonists using multivariate statistics. *Chem Biol Drug Des* 2008, 72(4): 257-264. (IF: 2,527).
25. Gikas S, Tsopelas F, Giaginis C, Dimitrakopoulos J, Livadara T, Archontaki E, Tsantili-Kakoulidou A. Chromatographic behavior of zwitterionic enalapril-Exploring the conditions for lipophilicity assessment. *J Pharm Biomed Anal* 2008, 48(3): 739-743. (IF: 2,733).
26. Giaginis C, Georgiadou M, Dimakopoulou K, Tsourouflis G, Gatzidou E, Kouraklis G, Theocharis S. Clinical significance of MCM-2 and MCM-5 expression in colon cancer: Association with clinicopathological parameters and tumor proliferative capacity. *Dig Dis Sci* 2009, 54(2): 282-291. (IF: 2,060).
27. Giaginis C, Katsamangou E, Tsourouflis G, Zizi-Serbetzoglou D, Kouraklis G, Theocharis S. Peroxisome Proliferator-Activated Receptor-gamma and RXR-alpha expression in pancreatic ductal adenocarcinoma: association with clinicopathological parameters, tumor proliferative capacity and patients' survival. *Med Sci Monit* 2009, 15(5): BR148-BR156. (IF: 1,699).
28. Gribilas G, Zarros A, Zira A, Giaginis C, Tsourouflis G, Liapi C, Spiliopoulou C, Theocharis SE. Involvement of Hepatic Stimulator Substance in experimentally induced fibrosis and cirrhosis in the rat. *Dig Dis Sci* 2009, 54(11): 2367-2376. (IF: 2,060).
29. Giaginis C, Vgenopoulou S, Tsourouflis G, Politi EN, Kouraklis GP, Theocharis SE. Expression and clinical significance of focal adhesion kinase (FAK) in the two distinct histological types, intestinal and diffuse, of human gastric adenocarcinoma. *Path Oncol Res* 2009, 15(2): 173-181. (IF: 1,483).
30. Giaginis C, Tsantili-Kakoulidou A. RPTLC retention indices of basic and neutral drugs as surrogates of octanol-water distribution coefficients. Effect of buffer constituents and pH. *JPC- J Planar Chromatogr-Modern TLC* 2009, 22(3): 217-224. (IF: 1,247).
31. Giaginis C, Giagini A, Theocharis S. Receptor-binding Cancer Antigen expressed on SiSo cells (RCAS1): a novel biomarker in the diagnosis and prognosis of human neoplasia. *Histol Histopathol* 2009, 24(6): 761-776. (IF: 2,502).
32. Giaginis C, Daskalopoulou S, Vgenopoulou S, Sfiniadakis I, Kouraklis G, Theocharis S. Heat Shock Protein (HSP)-27, -60 and -90 expression in gastric cancer: association with clinicopathological variables and patient survival. *BMC Gastroenterol* 2009, 9: 14. (IF: 2,470).
33. Giaginis C, Giagini A, Theocharis S. Peroxisome Proliferator-Activated Receptor- $\gamma$  (PPAR- $\gamma$ ) ligands as potential therapeutic agents to treat arthritis. *Pharmacol Res* 2009, 60(3): 160-169. (IF: 3,612).
34. Giaginis C, Theocharis S, Tsantili-Kakoulidou A. Quantitative Structure-Activity Relationships for PPAR- $\gamma$  binding and gene transactivation of indole-based agonists using multivariate statistics. *QSAR & Combin Sci* 2009, 28(8): 802-805. (IF: 3,027).

35. Giaginis C, Theocharis S, Tsantili-Kakoulidou A. Structural basis for the design of PPAR- $\gamma$  ligands. A survey on Quantitative Structure- Activity Relationships. *Min Rev Med Chem* 2009, 9(9): 1075-1083. (IF: 2,620).
36. Giaginis C, Tsantili-Kakoulidou A, Theocharis S. Quantitative structure-activity relationship (QSAR) methodology in forensic toxicology: Modeling postmortem redistribution of structurally diverse drugs using multivariate statistics. *Forensic Sci Int* 2009, 190(1-3): 9-15. (IF: 1,821).
37. Giaginis C, Margeli A, Kouraklis G, Zira A, Tsurouflis G, Theocharis S. Diagnostic and prognostic utility of serum Receptor-binding Cancer Antigen expressed on SiSo cells (RCAS1) levels in colon cancer patients. *Int J Biol Markers* 2009, 24(2): 70-76. (IF: 1,260).
38. Koufopantelis P, Georgakakou S, Kazanis M, Giaginis C, Margeli A, Papargiri S, Panderi I. Direct injection liquid chromatography/ positive-ion electrospray ionization mass spectrometric quantification of methotrexate, folic acid, folic acid and ondansetron in human serum. *J Chromatogr B* 2009, 877(30): 3850-3856. (IF: 2,971).
39. Giaginis C, Zira A, Theocharis S, Tsantili-Kakoulidou A. Application of quantitative structure-activity relationships (QSARs) for modeling drug and chemical transport across the human placenta barrier: A multivariate data analysis approach. *J Appl Toxicol* 2009, 29(8): 724-733. (IF: 2,322).
40. Giaginis C, Nikiteas N, Margeli A, Tzanakis N, Rallis G, Kouraklis G, Theocharis S. Serum tissue inhibitor of metalloproteinase-1 and -2 (TIMP-1 and TIMP-2) levels in colorectal cancer patients: associations with clinicopathological variables and patients' survival. *Int J Biol Markers* 2009, 24(4): 245-252. (IF: 1,260).
41. Karantonis HC, Gribilas G, Stamoulis I, Giaginis C, Spiliopoulou C, Kouraklis G, Demopoulos C, Theocharis SE. Platelet Activating Factor involvement in thioacetamide-induced experimental liver fibrosis and cirrhosis. *Dig Dis Sci* 2010, 55(2): 276-284. (IF: 2,060).
42. Giaginis C, Tsurouflis G, Zizi-Serbetzoglou A, Kouraklis G, Chatzopoulou E, Theocharis S. Clinical significance of Ephrin (Eph)-A1, -A2, -A4, -A5 and -A7 receptors in pancreatic ductal adenocarcinoma. *Pathol Oncol Res* 2010, 16: 267-276. (IF: 1,483).
43. Giaginis C, Vgenopoulou S, Vielh P, Theocharis S. MCM proteins as diagnostic and prognostic tumor markers in the clinical setting. *Histol Histopathol* 2010, 25(3): 351-370. (IF: 2,502).
44. Vasileiou I, Giaginis C, Klonaris C, Theocharis S. Insight into pain-inducing and -related gene expression: a challenge for development of novel targeted therapeutic approaches. *Fundam Clin Pharmacol* 2011, 25(1): 48-62. (IF: 2,152).
45. Katsargyris A, Theocharis S, Tsiodras S, Giaginis C, Bastounis E, Klonaris C. Enhanced TLR4 endothelial cell immunohistochemical expression in symptomatic carotid atherosclerotic plaques. *Expert Opin Ther Targets* 2010, 14(1):1-10. (IF: 3,649).
46. Giaginis C, Zarros A, Alexandrou P, Klijanienko J, Delladetsima I, Theocharis S. Evaluation of Coxsackievirus and Adenovirus Receptor (CAR) expression in human benign and malignant thyroid lesions. *APMIS* 2010, 118(3): 210-221. (IF: 1,944).
47. Michailidi C<sup>#</sup>, Giaginis C<sup>#</sup>, Stolakis V, Alexandrou P, Klijanienko J, Delladetsima I, Chatzizacharias N, Tsurouflis G, Theocharis S (<sup>#</sup>Equal Contribution). Evaluation of FAK and Src expression in human benign and malignant thyroid lesions. *Pathol Oncol Res* 2010, 16(4): 497-507. (IF: 1,483).
48. Chatzizacharias N, Giaginis C, Zizi-Serbetzoglou D, Kouraklis G, Karatzas G, Theocharis S. Evaluation of the clinical significance of Focal Adhesion Kinase and Src expression in human pancreatic ductal adenocarcinoma. *Pancreas* 2010, 39(6): 930-936. (IF: 2,733).
49. Giaginis C, Zira A, Katsargyris A, Klonaris C, Theocharis S. Clinical implication of plasma neutrophil gelatinase-associated lipocalin (NGAL) levels in patients with advanced carotid atherosclerosis. *Clin Chem Lab Med* 2010, 48(7): 1035-1041. (IF: 1,886).
50. Theocharis S, Klijanienko J, Giaginis C, Rodriguez J, Jouffroy T, Girod A, Point D, Tsurouflis G, Sastre-Garau X. Peroxisome Proliferator-Activated Receptor- $\gamma$  (PPAR- $\gamma$ ) expression in mobile tongue squamous cell carcinoma: associations with clinicopathological parameters and patients survival. *J Cancer Res Clin Oncol* 2011, 137(2): 251-259. (IF: 2,485).

51. Theocharis S, Klijanienko J, Giaginis C, Rodriguez J, Jouffroy T, Girod A, Point D, Tsourouflis G, Sastre-Garau X. Expression of DNA repair proteins, MSH2, MLH1 and MGMT in mobile tongue squamous cell carcinoma: associations with clinicopathological parameters and patients survival. *J Oral Pathol Med* 2011, 40(3): 218-226. (IF: 2,075).
52. Giaginis C, Tsantili-Kakoulidou A. The performance of 1-ethyl-3-methylimidazolium tetrafluoroborate ionic liquid as mobile phase additive for HPLC-based lipophilicity assessment. *Biomed Chromatogr* 2011, 25(5): 606-612. (IF: 1,545).
53. Giaginis C, Giagini A, Tsourouflis G, Gatzidou E, Kouraklis G, Theocharis S. MCM-2 and MCM-5 expression in gastric adenocarcinoma: clinical significance and comparison with Ki-67 proliferative marker. *Dig Dis Sci* 2011, 56(3): 775-785. (IF: 2,060).
54. Chrysanthakopoulos M, Giaginis C, Tsantili-Kakoulidou A. Retention of structurally diverse drugs on Human Serum Albumin Chromatography and its potential to simulate plasma protein binding. *J Chromatogr A* 2010, 1217(37): 5761-5768. (IF: 4,194).
55. Katsargyris A, Theocharis S, Tsiodras S, Giaginis C, Bastounis E, Klonaris C. Toll-Like Receptor-4 immunohistochemical expression is enhanced in macrophages of symptomatic carotid atherosclerotic plaques. *Cerebrovasc Dis* 2011, 31(1): 29-36. (IF: 3,535).
56. Chatzizacharias NA, Giaginis C, Gatzidou E, Tsourouflis G, Sfiniadakis I, Theocharis S. Expression and clinical significance of FAK and Src proteins in human endometrial adenocarcinoma. *Pathol Oncol Res.* 2011, 17(2): 277-285. (IF: 1,483).
57. Theocharis S, Klijanienko J, Giaginis C, Rodriguez J, Jouffroy T, Girod A, Point D, Tsourouflis G, Sastre-Garau X. Metallothionein expression in mobile tongue squamous cell carcinoma: associations with clinicopathological parameters and patients survival. *Histopathology* 2011, 59(3): 514-525. (IF: 3,569).
58. Giaginis C, Michailidi C, Stolakis V, Alexandrou P, Tsourouflis G, Klijanienko J, Delladetsima I, Theocharis S. Expression of DNA repair proteins, MSH2, MLH1 and MGMT in human benign and malignant thyroid lesions: an immunohistochemical study. *Med Sci Monit.* 2011, 17(3): BR81-BR90. (IF: 1,699).
59. Giaginis C, Tsantili-Kakoulidou A, Theocharis S. Assessing drug transport across the human placental barrier: From in vivo and in vitro measurements to the ex vivo perfusion method and in silico techniques. *Curr Pharm Biotechnol.* 2011, 12(5): 804-813. (IF: 3,450).
60. Giaginis C, Klonaris C, Katsargyris A, Spiliopoulou C, Kouraklis G, Theocharis S. Correlation of Peroxisome Proliferator-Activated Receptor- $\gamma$  (PPAR- $\gamma$ ) and Retinoid X Receptor- $\alpha$  (RXR- $\alpha$ ) expression with clinical risk factors in patients with advanced carotid atherosclerosis. *Med Sci Monit.* 2011, 17(7): CR381-CR391. (IF: 1,699).
61. Theocharis S, Klijanienko J, Giaginis C, Rodriguez J, Jouffroy T, Girod A, Point D, Tsourouflis G, Sastre-Garau X. RCAS1 expression in mobile tongue squamous cell carcinoma: associations with clinicopathological parameters and patients survival. *Med Sci Monit.* 2011, 17(8): BR228-BR234. (IF: 1,699).
62. Giaginis C, Theocharis S. Current evidence on the anticancer potential of Chios mastic gum. *Nutr Cancer, in press.* (IF: 2,553).
63. Theocharis S, Klijanienko J, Giaginis C, Rodriguez J, Jouffroy T, Girod A, Point D, Alexandrou P, Sastre-Garau X. Histone deacetylase (HDAC)-1 and -2 expression in mobile tongue squamous cell carcinoma: associations with clinicopathological parameters and patients survival. *J Oral Med Pathol* 2011, 40(9): 706-714. (IF: 2,075).
64. Karidis NP, Giaginis C, Tsourouflis G, Alexandrou P, Delladetsima I, Theocharis S. Eph-A2 and Eph-A4 expression in human benign and malignant thyroid lesions: an immunohistochemical study. *Med Sci Monit* 2011, 17(9): BR257-BR265. (IF: 1,699).
65. Giaginis C, Demetriou N, Alexandrou P, Stolakis V, Delladetsima I, Klijanienko J, Griniatsos I, Theocharis S. Evaluation of receptor-binding cancer antigen expressed on SiSo cells (RCAS1) expression in human benign and malignant thyroid lesions. *Med Sci Monit, in press.* (IF: 1,699).
66. Chatzizacharias N, Kouraklis G, Giaginis C, Theocharis S. Clinical significance of Src expression and activity in human neoplasia. *Histol Histopathol, in press.* (IF: 2,502).

67. Katsargyris A, Tampaki EC, Giaginis C, Theocharis S. Cranberry as promising natural source of potential anticancer agents: current evidence and future perspectives. *Anticancer Agents Med Chem*, in press (IF: 3,144).

### **Εργασίες σε Ελληνικά περιοδικά**

1. Giaginis C. Contribution to the standardization of chromatographic conditions for drug lipophilicity assessment. Experimental or calculated values in QSAR studies? The case of PPAR- $\gamma$  agonists. *Pharmakeftiki* 2009, 21(3): 100-101.
2. Giaginis C, Theocharis S, Tsantili-Kakoulidou A. The role of PPARs as targets for the development of new drugs. *Pharmakeftiki* 2009, 22(2): 46-61.

### **Εργασίες σε διεθνή συγγράμματα και πρακτικά συνεδρίων**

1. Giaginis C, Theocharis S, Tsantili-Kakoulidou A. A QSAR study on PPAR- $\gamma$  agonists using multivariate data analysis. International Proceedings of 5<sup>th</sup> Joint Meeting in Medicinal Chemistry, D Kikelj (ed), Portoroz, Slovenia, Medimond-Monduzzi, Intern Proc 2007, p.p. 17-20.
2. Giaginis C, Zira A, Theocharis S, Tsantili-Kakoulidou A. Simple physicochemical properties as effective filters for risk estimation of drug transport across the human placental barrier. International Proceedings of 5<sup>th</sup> Panhellenic Congress of Pharmacology, Athens, Greece, May 23-25, 2008. *Rev Clin Pharmacol Pharmacokinet (International Edition)*, 2008, 22(8): 146-148.
3. Giaginis C, Zira A, Theocharis S, Tsantili-Kakoulidou A. Property distribution in the chemical space of PPAR- $\gamma$  agonists-Evaluation of drug-like characteristics. International Proceedings of 5<sup>th</sup> Panhellenic Congress of Pharmacology, Athens, Greece, May 23-25, 2008. *Rev Clin Pharmacol Pharmacokinet (International Edition)*, 2008, 22(8): 366-368.

### **Καταχωρήσεις σε βάσεις δεδομένων**

Kontos CK, Pavlou MAS, Giaginis C. MCM5 (minichromosome maintenance complex component 5). *Atlas Genet Cytogenet Oncol Haematol*. July 2011 .  
URL : <http://AtlasGeneticsOncology.org/Genes/MCM5ID41321ch22q12.html>

### **Περίληψεις σε διεθνή συνέδρια με κριτές**

1. Stamoulis J, Karmpliotis K, Kouraklis G, Margeli AI, Giaginis C, Paraskevopoulou C, Theocharis S. Zinc supplementation modulates experimentally induced liver fibrosis. 10<sup>th</sup> INTERNATIONAL CONGRESS OF TOXICOLOGY. Tampere, Finland, July 11-15, 2004. *Toxicol Appl Pharmacol* 2004, 197(3): 302-303 (P668).
2. Theocharis S, Kourou E, Giaginis C, Margeli A, Efkarpidis T, Dimitroulis D, Tsourouflis G, Kouraklis G. Focal Adhesion Kinase (FAK) immunohistochemical expression in gastric adenocarcinoma: correlation with clinicopathological parameters and patients survival. 40<sup>TH</sup> CONGRESS OF THE EUROPEAN SOCIETY FOR SURGICAL RESEARCH. Konya, Turkey, May 25 – 28, 2005. *Eur J Surg Res* 2005, 28(1): P112.
3. Vrakas D, Giaginis C, Tsantili-Kakoulidou A. Immobilized artificial membrane (IAM) chromatographic retention factors of structurally diverse drugs as a measure of lipophilicity. 4<sup>TH</sup> JOINT MEETING ON MEDICINAL CHEMISTRY. Vienna, Austria, June 20-23, 2005, *Scientia Pharmaceutica* 2005, 73(1): S240.
4. Theocharis S, Efkarpidis T, Giaginis C, Sfiniadakis I, Spiliopoulou C, Kouraklis G. RCAS1 expression in gastric cancer: correlation with clinicopathological variables and patients' outcome. 20<sup>th</sup> EUROPEAN CONGRESS OF PATHOLOGY. Paris, France, September 3-8, 2005. *Virchows Arciv* 2005, 447(2): 324 (P295).
5. Theocharis S, Apostolakou F, Gribilas G, Kouraklis G, Spiliopoulou C, Giaginis C, Liapi C. Alterations of antioxidant enzymes in liver and erythrocytes in experimentally-induced liver fibrosis. 42<sup>nd</sup> CONGRESS OF THE EUROPEAN

SOCIETIES OF TOXICOLOGY EUROTOX 2005. Cracow, Poland, September 11-14, 2005. *Toxicol Lett* 2005, 158 (Suppl1): S176 (P14-09).

6. Giaginis C, Tsantili-Kakoulidou A. Contribution to the standardization of the chromatographic conditions for the lipophilicity assessment of neutral and basic compounds. 4<sup>TH</sup> INTERNATIONAL CONFERENCE OF INSTRUMENTAL METHODS OF ANALYSIS MODERN TRENDS AND APPLICATIONS. Crete, Greece, October 2-6, 2005. *Abstract Book*: p.348 (P-II-14).

7. Giaginis C, Dellis D, Demopoulos V, Tsantili-Kakoulidou A. pH dependent Lipophilicity and Solubility of Nimesulide. EUFEPS CONFERENCE ON: WHEN POOR SOLUBILITY BECOMES AN ISSUE: FROM EARLY STAGE TO PROOF OF PRINCIPLES. Verona, Italy, April 26-27, 2006. *Abstract Book*: p.57.

8. Michail OM, Theocharis S, Giaginis C, Kouraklis G, Griniatsos J, Michail P. Cullin -1 and -2 proteins expression in colon cancer: correlations with clinicopathological variables. 41<sup>ST</sup> CONGRESS OF THE EUROPEAN SOCIETY FOR SURGICAL RESEARCH (ESSR). Rostock, Germany, May 17-20, 2006. *Eur J Surg Res* 2007, 39(1): O122.

9. Giaginis C, Daskalopoulou S, Nousia O, Sfiniadakis I, Kouraklis G, Theocharis S. Heat Shock Protein (HSP)-27, -70 and -90 expression in gastric cancer: correlation with clinicopathological variables. 2<sup>ND</sup> INTER-CONGRESS OF THE EUROPEAN SOCIETY OF PATHOLOGY. Ioannina, Greece, May 25-26, 2006. *Virchows Archiv* 2006;448(5): 725.

10. Katsamagou E, Giaginis C, Zizi A, Kourakis G, Elemenglou J, Theocharis S. Immunohistochemical expression of Retinoid X Receptors (RXRs) in pancreatic carcinoma. 2<sup>ND</sup> INTER- CONGRESS OF THE EUROPEAN SOCIETY OF PATHOLOGY. Ioannina, Greece, May 24-27, 2006. *Virchows Archiv* 2006, 448 (5): p.825.

11. Giaginis C, Theocharis S, Tsantili-Kakoulidou A. Investigation of the lipophilic behavior of the PPAR-g ligands thiazolidinediones as an important issue for their action. XIX<sup>TH</sup> INTERNATIONAL SYMPOSIUM ON MEDICINAL CHEMISTRY. Istanbul, Turkey, August 29-September 2, 2006. *Drugs Future* 2006, 31(suppA): 44.

12. Giaginis C, Theocharis S, Tsantili-Kakoulidou A. Octanol/water partitioning simulation by reversed phase HPLC for structurally diverse acidic drugs: The effect of octanol as mobile phase additive. 16<sup>TH</sup> EUROPEAN SYMPOSIUM ON QUANTITATIVE STRUCTURE-ACTIVITY RELATIONSHIPS & MOLECULAR MODELLING. Mediterranean/Italy, September 10 – 17, 2006. *Abstract Book*: p. 229-230.

13. Giaginis C, Theocharis S, A. Tsantili-Kakoulidou A. A QSAR study on PPAR- $\gamma$  agonists using multivariate data analysis. 5<sup>TH</sup> JOINT MEETING IN MEDICINAL CHEMISTRY. Portoroz, Slovenia, June 17-21, 2007. *Farmaceutski Vestnik* 2007, 58: 192 (PO143).

14. Theocharis S, Giaginis C, Papaefthymiou M, Papadopoulou A, Sfiniadakis I. Coxsackievirus adenovirus receptor (CAR) expression in endometrial adenocarcinoma. 21<sup>ST</sup> EUROPEAN CONGRESS OF PATHOLOGY. Istanbul, Turkey, September 8-13, 2007. *Virchows Archiv* 2007, 451(2): 171 (OP23-3).

15. Theocharis S, Papaefthymiou M, Giaginis C, Gatzidou E, Vgenopoulou S, Sfiniadakis I, Kouraklis G. CAR expression in gastrointestinal and pancreatic adenocarcinoma. 21<sup>ST</sup> EUROPEAN CONGRESS OF PATHOLOGY. Istanbul, Turkey, September 8-13, 2007. *Virchows Archiv* 2007, 451(2): 316 (PP2-87).

16. Theocharis S, Giaginis C, Chatzopoulou E, Tsourouflis G, Samiou F, Kouraklis G. Clinical significance of Ephrin receptor A1 expression in pancreatic cancer. 21<sup>ST</sup> EUROPEAN CONGRESS OF PATHOLOGY. Istanbul, Turkey, September 8-13, 2007. *Virchows Archiv* 2007, 451(2): 374 (PP2-266).

17. Giaginis C, Katsamangou E, Zizi-Serbetzoglou D, Kouraklis G, Theocharis S. The clinical significance of PPAR- $\gamma$  expression in pancreatic adenocarcinoma. 21<sup>ST</sup> EUROPEAN CONGRESS OF PATHOLOGY. Istanbul, Turkey, September 8-13, 2007. *Virchows Archiv* 2007, 451(2): 372 (PP2-259).

18. Noussia O, Davides D, Giaginis C, Zarros A, Zizi-Serbetzoglou A, Kouraklis G, Theocharis S. Clinical significance of RCAS1 expression in pancreatic adenocarcinoma. 21<sup>ST</sup> EUROPEAN CONGRESS OF PATHOLOGY. Istanbul, Turkey, September 8-13, 2007. *Virchows Archiv* 2007, 451(2): 373 (PP2-262).

19. Giaginis C, Tsantili-Kakoulidou A. Octanol/water partitioning simulation by reversed phase HPLC for structurally diverse acidic drugs: Comparison of different columns in presence and absence of n-octanol as mobile phase additive. 5<sup>TH</sup> INTERNATIONAL CONFERENCE OF INSTRUMENTAL METHODS OF ANALYSIS, MODERN TRENDS AND APPLICATIONS. Patra, Greece, September 30- October 4, 2007. *Abstract Book*: P-231.

20. Giaginis C, Zira A, Theocharis S, Tsantili-Kakoulidou A. Tracking drug-likeness in the chemical space of PPAR- $\gamma$  agonists. 20<sup>TH</sup> INTERNATIONAL SYMPOSIUM ON MEDICINAL CHEMISTRY. Vienna, Austria, August 31-September 4, 2008. *Drugs Future* 2008, 33: 168, P284.
21. Giaginis C, Theocharis S, Tsantili-Kakoulidou A. A QSAR study on indole-based PPAR- $\gamma$  agonists in respect to receptor binding and gene transactivation data. 17<sup>TH</sup> EUROPEAN SYMPOSIUM ON QSAR IN "OMICS" AND SYSTEMS BIOLOGY. Uppsala, Sweden, September 21-26, 2008. *Abstract Book*: p2.
22. Giaginis C, Katsamangou E, Tsourouflis G, Zizi-Serbetzoglou D, Kouraklis G, Theocharis S. Peroxisome Proliferator-Activated Receptor-gamma and Retinoid X Receptor-alpha expression in pancreatic ductal adenocarcinoma: association with clinicopathological parameters, tumor proliferative capacity and patients' survival. 27<sup>TH</sup> INTERNATIONAL CONGRESS OF THE INTERNATIONAL ACADEMY OF PATHOLOGY. Athens, Greece, October 12-17, 2008. *Abstract Book*: p.135 (P307)
23. Giaginis C, Zarros A, Alexandrou P, Klijanienko J, Delladetsima I, Theocharis S. Coxsackievirus and adenovirus receptor (CAR) expression in human benign and malignant thyroid lesions. 27<sup>TH</sup> INTERNATIONAL CONGRESS OF THE INTERNATIONAL ACADEMY OF PATHOLOGY. Athens, Greece, October 12-17, 2008. *Abstract Book*: p. 213 (P486).
24. Vallianatou T, Giaginis C, Tsantili-Kakoulidou A. A QSAR study on PPAR- $\alpha/\gamma$  gene transactivation data using multivariate statistics. 5<sup>th</sup> INTERNATIONAL SYMPOSIUM ON COMPUTATIONAL METHODS IN TOXICOLOGY AND PHARMACOLOGY INTEGRATING INTERNET RESOURCES. Istanbul, Turkey, July 4-8, 2009. *Abstract Book*: p. 57 (OC-13).
25. Giaginis C, Tsourouflis G, Zizi-Serbetzoglou A, Kouraklis G, Chatzopoulou E, Theocharis S. Clinical significance of Ephrin receptors -A2, -A4, -A5 and -A7 expression in pancreatic adenocarcinoma. 5<sup>th</sup> EUROPEAN CONGRESS OF PATHOLOGY. Florence Italy, September 4-9, 2009. *Virchows Archiv* 2009, 455(1): 63 (OP17.14).
26. Giaginis C, Stolakis V, Zira A, Zarros A, Klijanienko J, Delladetsima I, Theocharis S. Evaluation of Cannabinoid Receptor (CB)-1 and -2 expression in human benign and malignant thyroid lesions. 5<sup>th</sup> EUROPEAN CONGRESS OF PATHOLOGY. Florence Italy, September 4-9, 2009. *Virchows Archiv* 2009, 455(1): 379 (P4.55)
27. Michailidi C, Giaginis C, Stolakis V, Alexandrou P, Klijanienko J, Delladetsima I, Chatzizacharias N, Theocharis S. FAK and c-Src expression in human benign and malignant thyroid lesions. 5<sup>th</sup> EUROPEAN CONGRESS OF PATHOLOGY. Florence Italy, September 4-9, 2009. *Virchows Archiv* 2009, 455(1): 28 (OP7.14).
28. Chatzizacharias N, Giaginis C, Gatzidou E, Sfiniadakis I, Theocharis S. Expression and clinical significance of FAK and Src proteins in human endometrial adenocarcinoma. 5<sup>th</sup> EUROPEAN CONGRESS OF PATHOLOGY. Florence Italy, September 4-9, 2009. *Virchows Archiv* 2009, 455(1): 296 (P3.73).
29. Giaginis C, Klonaris C, Katsargyris A, Papadopouli K, Kouraklis G, Theocharis S. Peroxisome Proliferator-Activated Receptor-gamma and Retinoid X Receptor-alpha expression in the high-risk carotid atherosclerotic plaque. 5<sup>th</sup> EUROPEAN CONGRESS OF PATHOLOGY. Florence Italy, September 4-9, 2009. *Virchows Archiv* 2009, 455(1): 245 (P2.185).
30. Stolakis V, Demetriou N, Alexandrou P, Zarros A, Griniatsos I, Giaginis C, Klijanienko J, Theocharis S. RCAS1 expression in thyroid malignant and benign lesions. 5<sup>th</sup> EUROPEAN CONGRESS OF PATHOLOGY. Florence Italy, September 4-9, 2009. *Virchows Archiv* 2009, 455(1): 53-54 (OP15.6).
31. Giaginis C, Tsantili-Kakoulidou A, Theocharis S. Application of quantitative structure-activity relationships (QSARs) for modeling postmortem redistribution of structurally diverse drugs. 47<sup>th</sup> ANNUAL MEETING OF THE INTERNATIONAL ASSOCIATION OF FORENSIC TOXICOLOGISTS. Geneva, Switzerland, August 23-27, 2009. *Ann Toxicol Anal* 2009, 21(S1): S1-5 (O-01).
32. Giaginis C, Zira A, Theocharis S, Tsantili-Kakoulidou A. Application of quantitative structure-activity relationships (QSARs) for modeling drug and chemical transport across the human placenta barrier: A multivariate data analysis approach. 46<sup>th</sup> CONGRESS OF THE EUROPEAN SOCIETIES OF TOXICOLOGY. Dresden, Germany, September 13-16, 2009. *Toxicol Lett* 2009, 189S: 258 (P07).
33. Chrysanthakopoulos M, Giaginis C, Nicolaou I, Tsantili-Kakoulidou A. The use of biochromatography to estimate binding of drugs on human serum albumin. 4<sup>th</sup> LOGP SYMPOSIUM, PHYSCHEM AND ADMET PROFILING IN DRUG RESEARCH. Zurich, Switzerland, February 8-11, 2009. *Abstract Book*: ADE-09.

34. Zira A, Toumpnakis D, Zarros A, Stolakis V, Giaginis C, Theocharis S. Alterations of FAK and Src liver levels following either thioacetamide or carbon tetrachloride administration. 6<sup>TH</sup> ANNUAL MEETING OF THE AMERICAN ASSOCIATION FOR THE STUDY OF LIVER DISEASE. THE LIVER MEETING 2009. Boston, USA, October 30-November 3, 2009. *Hepatology* 2009, 50(4): 1165A (1867).
35. Zira A, Giaginis C, Maravelias C, Spiliopoulou C, Theocharis S. Alterations of lung tissue and serum cytokines in a rat model of paraquat-induced lung injury. XII INTERNATIONAL CONGRESS OF TOXICOLOGY. Barcelona, Spain, 19-23 July, 2010. *Toxicol Lett* 2010, 196(1): S256.
36. Vrakas D, Giaginis C, Tsopeles F, Malaki N, Tsantili-Kakoulidou A. The potential of IAM chromatographic indices to simulate in vitro and in vivo permeability data. 18<sup>TH</sup> EUROPEAN SYMPOSIUM ON QUANTITATIVE STRUCTURE-ACTIVITY RELATIONSHIPS. DISCOVERY INFORMATICS & DRUG DESIGN. Rhodes, Greece, September 19-24, 2010. *Abstract Book*: P I-65.
37. Koukoulitsa C, Chrysanthakopoulos M, Vrakas D, Giaginis C, Mavromoustakos T, Tsantili-Kakoulidou A. The use of Volsurf approach to explore IAM and HSA chromatographic indices. 18<sup>TH</sup> EUROPEAN SYMPOSIUM ON QUANTITATIVE STRUCTURE-ACTIVITY RELATIONSHIPS. DISCOVERY INFORMATICS & DRUG DESIGN. Rhodes, Greece, September 19-24, 2010. *Abstract Book*: P I-66.
38. Giaginis C, Vallianatou T, Tsantili-Kakoulidou A, Theocharis S. Druglikeness navigation in the chemical space of PPAR- $\gamma$  and PPAR- $\alpha/\gamma$  agonists. 18<sup>TH</sup> EUROPEAN SYMPOSIUM ON QUANTITATIVE STRUCTURE-ACTIVITY RELATIONSHIPS. DISCOVERY INFORMATICS & DRUG DESIGN. Rhodes, Greece, September 19-24, 2010. *Abstract Book*: PII-25.
39. Vallianatou T, Giaginis C, Tsantili-Kakoulidou A. Application of multivariate data analysis for consensus modelling of PPAR- $\alpha/\gamma$  gene transactivation data. 18<sup>TH</sup> EUROPEAN SYMPOSIUM ON QUANTITATIVE STRUCTURE-ACTIVITY RELATIONSHIPS. DISCOVERY INFORMATICS & DRUG DESIGN. Rhodes, Greece, September 19-24, 2010. *Abstract Book*: PII-26.
40. Theocharis S, Tsoukalas N, Giaginis C, Alexandrou P, Sfiniadakis I, Kavantzias N, Patsouris E. EphA4 expression in lung cancer: an immunohistochemical study. 23<sup>rd</sup> European Congress of Pathology. Helsinki, Finland, 27 August-1 September 2011. *Virchows Archiv* 2011, 459(1): S135.
41. Theocharis S, Giaginis C, Politi E, Alexandrou P, Sfiniadakis J, Maztourani, M. Expression of peroxisome proliferator activated receptor-gamma (PPAR-gamma) in human non-small cell lung carcinoma: correlation with clinicopathological parameters, proliferation and apoptosis-related molecules and patients' survival. 23<sup>rd</sup> European Congress of Pathology. Helsinki, Finland, 27 August-1 September 2011. *Virchows Archiv* 2011, 459(1): S135-S136
42. Theocharis S, Giaginis C, Alexandrou P, Delladetsima I. Clinical significance of histone deacetylase (HDAC)-1 and-2 expression in human malignant and benign thyroid lesions. 23<sup>rd</sup> European Congress of Pathology. Helsinki, Finland, 27 August-1 September 2011. *Virchows Archiv* 2011, 459(1): S38.
43. Theocharis S, Giaginis C, Alexandrou P, Delladetsima I. Clinical significance of histone deacetylase (HDAC)-4 and-6 expression in human malignant and benign thyroid lesions. 23<sup>rd</sup> European Congress of Pathology. Helsinki, Finland, 27 August-1 September 2011. *Virchows Archiv* 2011, 459(1): S38.

#### **Περίληψεις σε Ελληνικά συνέδρια με κριτές**

1. Mastronicolis S, Pateli M, Stavroulakis G, Moustaka H, Kiprianou D, Giaginis C, Boura A. Listeria monocytogenes: Solid phase extraction of neutral lipids and chromatographic analysis with iatroskan apparatus. 18<sup>TH</sup> PANHELLENIC CONGRESS OF CHEMISTRY. Crete, Greece, November 6-10, 2002. *Abstract Book*: p.509-512.
2. Giaginis C, Dellis D, Tsantili-Kakoulidou A. The effect of buffer constituents in the assessment of lipophilicity indexes using reversed phase thin layer chromatography. 12<sup>TH</sup> PANHELLENIC PHARMACEUTICAL CONGRESS. Athens, Greece, May 14-16, 2005. *Abstract Book (supplement)*: p1.
3. Giaginis C, Theocharis S, Tsantili-Kakoulidou A. Lipophilicity profile of PPAR $\gamma$  ligands Thiazolidinediones in the octanol-water partitioning and in reversed phase and Immobilized Artificial Membrane Chromatographic systems. 12<sup>TH</sup> SYMPOSIUM OF MEDICINAL CHEMISTRY. Patra, Greece, January 27-28, 2006. *Abstract Book*: p.44.

4. Τσουρούφλης Γ, Θεοχάρης Σ, Σαμπάνη Α, Κωστάκης Α, Γιαγκίνης Κ, Κουράκλης Γ. Η κλινική σημασία της θυμιδινο-συνθετάσης (TS) σε νεοπλάσματα του παχέος εντέρου. 2<sup>ο</sup> ΠΑΝΕΛΛΗΝΙΟ ΣΥΝΕΔΡΙΟ ΚΑΙ INTERNATIONAL FORUM, ΕΛΛΗΝΙΚΟ ΚΟΛΕΓΙΟ ΑΘΗΝΩΝ. Αθήνα, Ελλάδα, 26-28 Απριλίου 2007. *Abstract Book*: ΕΑα8.
5. Giaginis C, Theocharis S, Tsantili-Kakoulidou A. A comprehensive investigation of the lipophilic behaviour of five Thiazolidinediones. Relationships with PPAR $\gamma$  activity. 13<sup>TH</sup> PANHELLENIC PHARMACEUTICAL CONGRESS. Athens, Greece, May 14-16, 2007. *J Drug Metab Pharm* 2007, 32: p.16.
6. Giaginis C, Theocharis S, Tsantili-Kakoulidou A. A multivariate QSAR study on tyrosine-based PPAR- $\gamma$  agonists with respect to receptor -binding and -transactivation data. 10<sup>TH</sup> CONGRESS OF ADVANCED MEDICINAL CHEMISTRY. Thessaloniki, Greece, May 24-25, 2007. *Abstract Book*: p.152-154
7. Γιαγκίνης Κ, Γεωργιάδου Μ, Νικολαΐδου Μ, Τσουρούφλης Γ, Κουράκλης Γ, Θεοχάρης Σ. Κλινική σημασία της έκφρασης των MCM-2 και MCM-5 πρωτεϊνών στον καρκίνο του παχέος εντέρου. 4<sup>ο</sup> ΕΤΗΣΙΟ ΕΠΙΣΤΗΜΟΝΙΚΟ ΣΥΝΕΔΡΙΟ ΙΑΤΡΙΚΗΣ ΣΧΟΛΗΣ. Αθήνα, Ελλάδα 1-2 Ιουνίου 2007. *Abstract Book*: p. 52-53 (EA-3).
8. Παπαευθυμίου Μ, Γιαγκίνης Κ, Γκατζίδου Ε, Σφινιάδης Ι, Κουράκλης Γ, Θεοχάρης Σ. Η έκφραση του CAR σε κακοήθειες του γαστρεντερικού συστήματος. 4<sup>ο</sup> ΕΤΗΣΙΟ ΕΠΙΣΤΗΜΟΝΙΚΟ ΣΥΝΕΔΡΙΟ ΙΑΤΡΙΚΗΣ ΣΧΟΛΗΣ. Αθήνα, Ελλάδα 1-2 Ιουνίου 2007. *Abstract Book*: p. 129-130 (A8).
9. Giaginis C, Zira A, Theocharis S, Tsantili-Kakoulidou A. Exploring druglike properties in the chemical space of PPAR- $\gamma$  agonists. 13<sup>TH</sup> HELLENIC SYMPOSIUM OF MEDICINAL CHEMISTRY. Athens, Greece, March 14-15, 2008. *Abstract Book*: p. 121 (P61).
10. Vrakas D, Giaginis C, Tsantili-Kakoulidou A. The potential of IAM chromatographic retention to simulate liposome partitioning and membrane permeability. A comparative study with n-octanol-water distribution coefficients. 13<sup>TH</sup> HELLENIC SYMPOSIUM OF MEDICINAL CHEMISTRY. Athens, Greece, March 14-15, 2008. *Abstract Book*: p. 138 (P76).
11. Giaginis C, Zira A, Theocharis S, Tsantili-Kakoulidou A. Simple physicochemical properties as effective filters for risk estimation of drug transport across the human placental barrier. 5<sup>TH</sup> PANHELLENIC CONGRESS OF PHARMACOLOGY. Athens, Greece, May 23-25, 2008. *Rev Clin Pharmacol Pharmacokinet* 2008, 22(8): 146-148 (P10).
12. Giaginis C, Zira A, Theocharis S, Tsantili-Kakoulidou A. Property distribution in the chemical space of PPAR- $\gamma$  agonists- Evaluation of drug-like characteristics. 5<sup>TH</sup> PANHELLENIC CONGRESS OF PHARMACOLOGY. Athens, Greece, May 23-25, 2008. *Rev Clin Pharmacol Pharmacokinet* 2008, 22(8): 366-368 (P11).
13. Vallianatou T, Giaginis C, Tsantili-Kakoulidou A. A QSAR study on PPAR-a gene transactivation data using multivariate statistics. 11<sup>th</sup> CONFERENCE IN ADVANCED MEDICINAL CHEMISTRY. Thessaloniki, Greece, May 23-24 2009. *Abstract Book*: p. 79.
14. Γιαγκίνης Κ, Ζήρα Α, Θεοχάρης Σ, Τσαντίλη-Κακουλίδου Α. Εφαρμογή ποσοτικών σχέσεων δομής-δράσης για την εκτίμηση της μεταφοράς φαρμακευτικών και τοξικών ουσιών μέσω του πλακουντιακού φραγμού. 6<sup>ο</sup> ΠΑΝΕΛΛΗΝΙΟ ΣΥΝΕΔΡΙΟ ΙΑΤΡΟΔΙΑΣΤΙΚΗΣ ΚΑΙ ΤΟΞΙΚΟΛΟΓΙΑΣ. Καλαμάτα, Ελλάδα, Δεκέμβριος 4-6, 2009. *Abstract Book*: p.50 (P15)
15. Γιαγκίνης Κ, Τσαντίλη-Κακουλίδου Α, Θεοχάρης Σ. Εφαρμογή ποσοτικών σχέσεων δομής-δράσης (QSARs) στην ιατροδικαστική τοξικολογία για την εκτίμηση της μεταθανάτιας ανακατανομής δομικά μη συγγενών φαρμάκων. 6<sup>ο</sup> ΠΑΝΕΛΛΗΝΙΟ ΣΥΝΕΔΡΙΟ ΙΑΤΡΟΔΙΚΑΣΤΙΚΗΣ ΚΑΙ ΤΟΞΙΚΟΛΟΓΙΑΣ. Καλαμάτα, Ελλάδα, Δεκέμβριος 4-6, 2009. *Abstract Book*: p.51 (P16).
16. Ζήρα Α, Γιαγκίνης Κ, Μικρός Ε, Θεοχάρης Σ. Εφαρμογή της μεταβονομικής σε πειραματικά μοντέλα ηπατικής βλάβης. 6<sup>ο</sup> ΠΑΝΕΛΛΗΝΙΟ ΣΥΝΕΔΡΙΟ ΙΑΤΡΟΔΙΚΑΣΤΙΚΗΣ ΚΑΙ ΤΟΞΙΚΟΛΟΓΙΑΣ. Καλαμάτα, Ελλάδα, Δεκέμβριος 4-6, 2009. *Abstract Book*: p52 (P17).
17. Vallianatou T, Giaginis C, Tsantili-Kakoulidou A. Application of MVDA for consensus modelling of PPARa/ $\gamma$  gene transactivation. 12<sup>th</sup> CONFERENCE IN ADVANCED MEDICINAL CHEMISTRY. Thessaloniki, Greece, April 23-24, 2010. *Abstract Book*: p104 (P43)
18. Chrysanthakopoulos M, Giaginis C, Tsantili-Kakoulidou A. The use of biochromatography to estimate binding of drugs on human serum albumin. 12<sup>th</sup> CONFERENCE IN ADVANCED MEDICINAL CHEMISTRY. Thessaloniki, Greece, April 23-24, 2010. *Abstract Book*: p141 (P80).

19. Γιαγκίνης Κ, Μιχαηλίδη Χ, Στολάκης Β, Αλεξάνδρου Π, Τσουρούφλης Γ, Klijanienko J, Δελλαδέτσιμα Ι, Θεοχάρης Σ. Έκφραση πρωτεϊνών επιδιόρθωσης του DNA, MSH2, MLH1 και MGMT σε καλοήθειες και κακοήθειες παθήσεις του θυρεοειδούς αδένα. 12<sup>ο</sup> ΠΑΝΕΛΛΗΝΙΟ ΣΥΝΕΔΡΙΟ ΠΑΘΟΛΟΓΙΚΗΣ ΑΝΑΤΟΜΙΚΗΣ. Θεσσαλονίκη, Ελλάδα, Ιουνιος 16-19, 2010. *Abstract Book*: p305 (P133).
20. Γιαγκίνης Κ, Μιχαηλίδη Χ, Στολάκης Β, Αλεξάνδρου Π, Klijanienko J, Δελλαδέτσιμα Ι, Τσουρούφλης Γ, Θεοχάρης Σ. Ανοσοϊστοχημική μελέτη της έκφρασης της συνολικής και φωσφορυλιωμένης μορφής της πρωτεΐνης FAK σε καλοήθειες και κακοήθειες παθήσεις του θυρεοειδούς αδένα. 12<sup>ο</sup> ΠΑΝΕΛΛΗΝΙΟ ΣΥΝΕΔΡΙΟ ΠΑΘΟΛΟΓΙΚΗΣ ΑΝΑΤΟΜΙΚΗΣ. Θεσσαλονίκη, Ελλάδα, Ιουνιος 16-19, 2010. *Abstract Book*: p244 (O24).
21. Γιαγκίνης Κ, Κλωνάρης Χ, Κατσαργύρης Α, Κουράκλης Γ, Σπηλιοπούλου Χ, Θεοχάρης Σ. Η κλινική σημασία της έκφρασης των υποδοχέων RXRs σε ασθενείς με προχωρημένου βαθμού αθηροσκληρυντικές αλλοιώσεις καρωτίδων αρτηριών. 12<sup>ο</sup> ΠΑΝΕΛΛΗΝΙΟ ΣΥΝΕΔΡΙΟ ΠΑΘΟΛΟΓΙΚΗΣ ΑΝΑΤΟΜΙΚΗΣ. Θεσσαλονίκη, Ελλάδα, Ιουνιος 16-19, 2010. *Abstract Book*: p241 (O18).
22. Θεοχάρης Σ, Klijanienko J, Γιαγκίνης Κ, Rodriguez Jose, Jouffroy T, Girod A, Point D, Τσουρούφλης Γ, Sastre-Garau X. Η κλινική σημασία της έκφρασης των πρωτεϊνών επιδιόρθωσης του DNA, MSH2, MLH1 και MGMT στο ακανθοκυτταρικό καρκίνωμα της γλώσσας. 12<sup>ο</sup> ΠΑΝΕΛΛΗΝΙΟ ΣΥΝΕΔΡΙΟ ΠΑΘΟΛΟΓΙΚΗΣ ΑΝΑΤΟΜΙΚΗΣ. Θεσσαλονίκη, Ελλάδα, Ιουνιος 16-19, 2010. *Abstract Book*: p376 (P289).
23. Θεοχάρης Σ, Klijanienko J, Γιαγκίνης Κ, Rodriguez Jose, Jouffroy T, Girod A, Point D, Τσουρούφλης Γ, Sastre-Garau X. Η κλινική σημασία της έκφρασης του υποδοχέα PPAR-γ στο ακανθοκυτταρικό καρκίνωμα της γλώσσας. 12<sup>ο</sup> ΠΑΝΕΛΛΗΝΙΟ ΣΥΝΕΔΡΙΟ ΠΑΘΟΛΟΓΙΚΗΣ ΑΝΑΤΟΜΙΚΗΣ. Θεσσαλονίκη, Ελλάδα, Ιουνιος 16-19, 2010. *Abstract Book*: p376 (P290).