

**TSAKALOF ANDREAS
ΤΣΑΚΑΛΩΦ ΑΝΔΡΕΑΣ**

**CURRICULUM VITAE
(ΣΥΝΤΟΜΟ ΒΙΟΓΡΑΦΙΚΟ ΣΗΜΕΙΩΜΑ).**



Larisa 2012

TSAKALOF ANDREAS

PERSONAL DATA

Professional Address: University of Thessaly, School of Medicine, Laboratory of Biochemistry, Biopolis, 41111 Larissa, Greece.

Languages: Greek, Russian, English

Phone: +30 2410 685580 **E-Mail:** atsakal@med.uth.gr

Personal internet site: http://www.med.uth.gr/biochemistry/tsakalof_en.html

EDUCATION:

1977 -Degree in Chemical Engineering, Lomonosov Moscow State University of Fine Chemical Technology, Moscow, Russia

1986 – PhD in Chemistry, A.N.Nesmeyanov Institute of Organoelement Compounds of Russian Academy of Sciences (INEOS RAS), Moscow, Russia

1998-1999 – training in Molecular Toxicology in the framework of the European program “Training and mobility of researchers”, Training Grant N° ERB4001GT973029, University of Surrey, School of Biological Science, United Kingdom

PROFESSIONAL CARRIER:

1977-1990 - research fellow, Institute of Synthetic Polymer Materials, Russian Academy of Science, Moscow, Russia.

1991-1993 – visiting Assistant Professor, University of Crete, School of Medicine, Heracleon, Greece

1998-1999 – research fellow, University of Surrey, School of Biological Sciences, Guildford, United Kingdom

1993-1998, 1999-2000 - visiting Assistant Professor, University of Thessaly, School of Medicine, Larissa, Greece

2000-2003 – Leader of the Chromatography-Mass Spectrometry Department, Diagnostic Center for Research and Study of Byzantine Hagiography, the Sacred Convent of the Annunciation, Ormylia-Chalkidiki, Greece

2003-2008 – Lecturer in Medical Chemistry, University of Thessaly, School of Medicine, Larissa, Greece

2008- till now – Assistant professor in Medicinal Chemistry, University of Thessaly, School of Medicine, Larissa, Greece

AWARDS AND HONOURS:

1. Award for Best Poster entitled "High performance liquid chromatography-electrospray ionization mass spectrometry as a sensitive method for determination of mycotoxin zearalenone in food", 3o Hellenic Congress of Forensic Medicine and Toxicology, 2002, Heraklion, Crete. Senior researcher.
2. Award for Best poster entitled "Regulation of Hypoxia Inducible Factor first (HIF-first) induction and HIF-1 transcriptional activity by flavonoids", 5o National Conference of Free Radicals and Oxidative Stress, 2006, Kardamili Messinia. Senior researcher.
3. 2011 Top reviewer award from the journal Toxicology Letters (IF = 3,6). For exceptional contribution to the quality of Toxicology Letters.
4. Ten top cited publication in the Journal of Cultural Heritage for the period 2007-2012: Tsakalof, A., Manoudis, P., Karapanagiotis, I., Chrysoulakis, I., Panayiotou, C. ➡ Assessment of synthetic polymeric coatings for the protection and preservation of stone monuments Journal of Cultural Heritage, Volume 8, Issue 1, 2007, Pages 69-72
5. 2010, 2011, 2012 - Member of International Advisory Board of "Biomaterials and bionanomaterials" congress, Heraklion, Crete.
6. 2010, 2012 - Member of International Scientific Committee "Green chemistry for environment and health", 2010, 2012 Skiathos
7. 1996 -Wellcome Trust grant for cooperation with the Laboratory of Trace Elements, Robens Institute, UK.
8. 1995, 1997 British Council traveling grants for visiting Laboratory of Molecular Toxicology, University of Surrey, UK
9. 1998 - Research Fellowship from European Community in the framework of the program "Training and mobility of researchers", activity - expertise of experienced researchers, Training Grant No ERB4001GT973029.
10. 2006 - Ministry of Education, Religious Affairs, Culture and Sports (Greece) traveling grant for visiting the Laboratory of Molecular Toxicology, University of Surrey, UK

REASEARCH EXPERIENCE.

1. Development and application of instrumental analysis methods in toxicology, clinical chemistry, pharmacology and biochemistry: chromatography (LC, GC), chromatography-mass spectrometry (LC-MS, GC-MS), Atomic Absorption Spectroscopy (AAS), Electron Spin Resonance (ESR).
2. Fabrication and application of Molecularly Imprinted Polymers (MIP) for identification and isolation of bioactive compounds for the regulation of selected biological targets.
3. Regulation of cells' response to hypoxia by bioactive natural compounds.
4. Synthesis and investigation of polymers. Application of polymer coatings for protection and preservation of the art objects.
5. Application of chromatography-mass spectrometry for investigation of art objects: amino acids and fatty acids analysis for identification of binding media in art objects, identification of natural colorants.
6. Investigation of free radicals by ESR.

REVIEWER IN THE INTERNATIONAL PEER REVIEWED JOURNALS.

Toxicology Letters, Toxicology, Food and Chemical Toxicology, Journal of Cultural Heritage, Materials, Surface and Coatings technology, Journal of Chromatography A, Molecules, European Food Research and Technology, Analytical Methods

PUBLICATIONS IN INTERNATIONAL JOURNAL (Summary table)					
Journal	Number of Publications	Place/number of co-authors	Impact Factor	Citations	Year
Russian Chemical Bulletin (Izv Akad Nauk USSR)	10	1/6, 1/6, 1/6, 1/6, 1/6, 1/6, 1/4, 1/6, 1/5	0,505	3,5,6, 1, 1, 0, 1,1, 2,3	1981, 83, 83, 1984, 86, 86, 1987, 89, 90
Doklady Chemistry (Doklady Akad Nauk)	3	1/6, 1/5, 1/7,	0,414	5, 1	1982, 84, 85
Polymer Science USSR	2	5/6, 7/8	0,62	4, 2	1978, 1978
Lasers in Surgery and Medicine	1	5/6	2,25	19	1994
American Journal of Surgery	1	4/5	1,92	8	1995
Carcinogenesis	1	6/6	5,38	9	1995
Science and Justice	2	2/3, 2/4	0,84	26,16	1996, 1996
Veterinary and Human Toxicology	1	4/7	0,53	43	1996
Journal of Chromatography B	1	1/3*	2,5	12	2003
Human and Experimental Toxicology	1	3/3	1,46	21	2003
Arzneimittel Forschung Drug Research	1	2/5	0,71	2	2004
Journal of Separation Science	2	1/5*, 1/3*	2,75	2, 8	2004, 2006
Journal of Liquid Chromatography	1	3/4	1,03	16	2005
Journal of Plant Growth Regulation	1	5/6	2,11	3	2006
Free Radical Research	2	3/6, 3/8	2,83	28, 22	2006, 2007
Journal of Cultural Heritage	1	1/5*	1,46	24	2007
Biomedical Chromatography	1	3/5	1,59	15	2007
Applied and Environmental	1	3/8	3,82	13	2007
Therapeutic Drug Monitoring	1	2/3	2,41	26	2007
Journal of Archaeological Science	2	2/4, 4/5	1,78	5,7	2007, 2008
Free Radicals in Biology and Medicine	1	5/5*	5,44	34	2008
Langmuir	1	3/5	4,10	58	2008
Surface and coatings technology	1	2/5*	1,86	18	2009
Applied Physics A-Materials Science &	1	3/5	1,88	13	2009
Biochemical and Biophysical Research	1	3/4	2,65	7	2010
Investigational new drugs	1	5/5*	3,4	1	2011
Analytica Chimica Acta	1	1/4*	4,55		2012
Toxicology Letters	2	2/4*, 4/5	3,58		2012
Journal of Molecular Modeling	1	3/3	1,80		2012
Σύνολο	46		83,94	494	1978-2012
h index 14 (Scopus, 2012)					

* - correspondence author

Number of patents – 3

Book chapter - 1

International and greek conference publications and abstracts – 50

LIST OF PUBLICATIONS IN INTERNATIONAL PEER REVIEWED JOURNALS:

1. Barkaline, V.V., Douhaya, Y.V., Tsakalof, A. «Computer simulation based selection of optimal monomer for imprinting of tri-O-acetiladenosine in polymer matrix: vacuum calculations», *Journal of Molecular Modeling*, in press
2. Tsakalof, A.K.*, Gkagtzis, D.C., Koukoulis, G. N., Hadjichristodoulou, C.S. «Development of GC-MS/MS method with programmable temperature vaporization large volume injection for monitoring of 17 β -estradiol and 2-methoxyestradiol in plasma», *Analytica Chimica Acta*, 2012, 709(1), pp.73-80
3. M. Koureas, A. Tsakalof*, A. Tsatsakis, C.Hadjichristodoulou «Systematic review of biomonitoring studies to determine the association between exposure to Organophosphorus and Pyrethroid insecticides and human health outcomes», *Toxicology Letters*, 2012, 210 (2), pp. 155-168
4. E. Barbounis, M. Tzatzarakis, A. Alegakis, A. Kokkinaki, N. Karamanos, A. Tsakalof and A. Tsatsakis «Assessment of PCBs exposure in human hair using double focusing high resolution mass spectrometry and single quadrupole mass spectrometry», *Toxicology Letters*, 210 (2) , pp. 225-231
5. I. Mylonis, A. Lakka, A. Tsakalof and G. Simos “The dietary flavonoid kaempferol effectively inhibits HIF-1 activity and hepatoma cancer cell viability under hypoxic conditions”, *Biochemical and Biophysical Research Communications* , 2010, 398 (1), pp. 74-78
6. A. Lakka, I. Mylonis, S. Bonanou, G. Simos, A. Tsakalof* “Isolation of hypoxia-inducible factor 1 (HIF-1) inhibitors from frankincense using a molecularly imprinted polymer”, *Investigational New Drugs*, 2011, 29, pp.1081-1089
7. P. Manoudis, I. Karapanagiotis, A. Tsakalof, I. Zuburtikudis, C. Panayiotou «Suprhydrophobic films for the protection of outdoor cultural heritage», *Applied Physics A-Materials Science* 2009, 97(2), pp. 351-360.
8. P. Manoudis, A. Tsakalof*, I. Karapanagiotis, I. Zuburtikudis, C. Panayiotou «Fabrication of super-hydrophobic surfaces for enhanced stone protection», *Surface and coatings technology*, 2009, 203(10-11), pp. 1322-1328
9. P. Manoudis, I. Karapanagiotis, A. Tsakalof, I. Zuburtikudis, C. Panayiotou «Superhydrophobic Composite Films Produced on Various Substrates», *Langmuir*, 2008, 24, pp.11225-11232
10. A. Triantafyllou, I. Mylonis, G. Simos, S. Bonanou, A. Tsakalof* «Flavonoids induce HIF-1 α but impair its nuclear accumulation and activity», *Free Radical in Biology and Medicine*, 2008,44, pp.657-670

11. Sister Daniilia, E. Minopoulou, K. Andrikopoulos, A. Tsakalof, K. Bairachtari "From Byzantine to post-Byzantine art: the painting technique of St Stephen's wall paintings at Meteora, Greece", *Journal of Archaeological Science*, 2008, 35, pp. 2474-2485
12. Sister Daniilia, A. Tsakalof, K. Bairachtari, Y. Chrysoulakis «The Byzantine wall paintings from the Protaton Church on Mount Athos, Greece: tradition and science», *Journal of Archaeological Science*, 2007, 34, pp.1971-1984
13. A.Triantafyllou, P. Liakos, A. Tsakalof, G. Chachami, E. Paraskva, E.Georgatsou, G.Simos, S.Bonanou «The flavonoid quercetin induces hypoxia-inducible factor-1 α (HIF-1 α) and inhibits cell proliferation by depleting intracellular iron», *Free Radical Research*, 2007, 41(3), pp.342-356.
14. M. Margariti, A.Tsakalof, A. Tsatsakis «Analytical methods of biological monitoring for exposure to pesticides: Recent update» , *Therapeutic Drug Monitoring*. 2007, 29(2):150-63. Review.
15. V. Mouchtouri, E. Velonakis, A. Tsakalof, C. Kapoula, G. Goutziana, A. Vatopoulos, J. Kremastinou, C. Hadjichristodoulou «Risk factors for contamination of hotel water distribution systems by Legionella species», *Applied and Environmental Microbiology*, 2007, 73(5), pp. 1489-1492
16. I. Begas, E. Kouvaras, A. Tsakalof, S. Papakosta and E.K. Asproдини «In vivo evaluation of CYP1A2, CYP2A6, NAT-2 and Xanthine Oxidase activities in a Greek population sample by the RP-HPLC monitoring of caffeine metabolic ratios», *Biomedical Chromatography*, 2007, 21(2), pp.190-200
17. A. Tsakalof*, P. Manoudis, I. Karapanagiotis, I. Chrysoulakis, C. Panayiotou «Assessment of synthetic polymer coatings for the protection and preservation of stone monuments», *Journal of Cultural Heritage*, 2007, 8(1), pp. 69-72
18. A.Triantafyllou, P. Liakos, A. Tsakalof, E.Georgatsou, G.Simos, S.Bonanou «Cobalt induces hypoxia-inducible factor-1 α (HIF-1 α) in HeLa cells by an iron-independent, but ROS-, PI-3K and MAPK-dependent mechanism», *Free Radical Research*, 2006, 40(8), pp. 847-856
19. M. Shtilman, M. Tzatzarakis, P. Voskanyan, I. Tsakiris, A. Tsakalof, A. Tsatsakis "Correlation Between Plant Growth Regulator Release Rate and Bioactivity for the Series of Newly Synthesized Phytoactive Polymers", *Journal of Plant Growth Regulation*, 2006, 25(3), pp. 211-218.
20. A. Tsakalof*, K. Bairachtari, I. Chrysoulakis "Pitfalls in drying oils identification in art objects by gas chromatography", *Journal of Separation Science*, 2006, 29(11), pp. 1642-1646.

21. I. Karapanagiotis, Sist. Danilia, A. Tsakalof, Y. Chryssoulakis “Identification of red natural dyes in post-byzantine icons by HPLC” , *Journal of Liquid Chromatography & Related Technologies*, 2005, 28 (5),pp. 739-749
22. A. Tsakalof*, K. Bairachtari , I. Aslani, I.Chryssoulakis, F. Kolisis “Impact of biological factor on binding media identification in art objects: identification of animal glue in the presence of *Aspergillus Niger*”, *Journal of Separation Science*, 2004,27, pp.167-173.
23. M. Georgarakis, A. Tsakalof, F. Zougrou, G. Kontopoulos, I.Tsiptsios “Evaluation of the bioequivalence and pharmacokinetics of two lisinopril tablet formulations after single oral administration in healthy volunteers”, *Arzneimittel Forschung Drug Research*, 2004, 54(1),pp.15-19.
24. Maria Tutudaki, Andreas K. Tsakalof, Aristidis M. Tsatsakis*“Hair analysis: Evaluation of a simple method to assess chronic exposure of rabbits to the organophosphate diazinon. Diazinon detection in rabbit hair”, *Human Experimental Toxicology, Human and Experimental Toxicology*, 2003, 22(3), pp.159-64.
25. Tsakalof A.K.*, Bairachtari K., Georgarakis E. “LC-MS method development for monitoring of angiotensin converting enzyme inhibitor lisinopril in plasma and serum”. *Journal of Chromatography A*, 2003, 863, pp.235-241.
26. Tsatsakis A.M., Aguridakis P. , Michalodimitrakis M.N., Tsakalof A.K., Alegakis A.K., Koymandakis E., Troulakis G. “Experience with acute organophosphate poisoning in Crete”, *Veterinary and Human Toxicology*, 1996, 38(2), pp.101-107
27. Tsatsakis A.M., Tsakalof A.K. , Siatitsas I., Michalodimitrakis E.N. “Acute Poisoning with carbamate pesticides: the Cretan experience”, *Science and Justice*, 1996, 36(1), 35-39.
28. Tsatsakis A.M., Tsakalof A.K., Michalodimitrakis E.N. “The analysis of methomyl, a carbamate pesticide in post-mortem samples”, *Science and Justice*, 1996, 36(1), 41-45.
29. G.W.Boyd, M.M.Coombs, C.Ioannides, D.F.V.Lewis, J.Snelling, Tsakalof A.K. “Species variation in the metabolism of 15,16-dihydro-methylcyclopenta[α]phenantren-17-one to its 3,4-dihydrodiol, the proximate carcinogen”, *Carcinogenesis*, 1995,v. 16(10), pp. 2351-2355.
30. Chalkiadakis G.E., Gonianakis K., Tsatsakis A.M., Tsakalof A.K., Michalodimitrakis M.E. “Preincisional Single-Dose Ceftriaxone for the Profilaxis of Surgical Wound Infection”, *American Journal of Surgery*, 1995, v.170, pp. 353-356.
31. Tsilimbaris M.K., Pallikaris I.G., Naumidi I.I., Vlachonikolis I.G., Tsakalof A.K., Lydataki S.E. "Phthalocyanine Mediated Photodynamic Thrombosis of Experimental Corneal Neovascularization: Effect of Phthalocyanine Dose and Irradiation Onset Time on Vascular Occlusion Rate", *Lasers in Surgery and Medicine*, 1994, 15, pp.19-31.

32. Chekalov A.K., Prokof'ev A.I., Kabachnik M.I., "Tetrafluorosilane-catalyzed dimerization of acetylacetone" Izv. Akad. Nauk SSSR, Ser. Khim., 1990, (7), 1686; Chem. Abstr. 211950z (1990) 113. English translation: Plenum Publishing Corporation, Bull. Acad. of Science of USSR, 1990, p. 1532.

33. Chekalov A.K., Gvazava N.G., Vol'eva V.B., Prokof'eva T.I., Ershov V.V., "Redox reactions of 3,6-di-tert-butylorthobenzoquinone catalyzed by tetrafluorosilane" Izv. Akad. Nauk SSSR, Ser. Khim., 1990, (5), 1105-8, Chem. Abstr. 131370, (1990), 113, English translation: Plenum Publishing Corporation, Bull. Acad. of Science of USSR, 1990, pp. 991-93.

34. Chekalov A.K., Yufit D.S., Prokof'ev A.I., Vol'eva V.B., Struchkov Yu.T., Kabachnik M.I., "Dimerization of acetylacetone under the action of 3,6-di-tert-butylorthobenzoquinone and tetrafluorosilane" Izv. Akad. Nauk SSSR, Ser. Khim., 1989, (10), 2375-7. English translation: Plenum Publishing Corporation, Bull. Acad. of Science of USSR, 1989, pp. 2185--87

35. Chekalov A.K., Prokof'ev N.N., Solodovnikov S.P., Kabachnik M.I. "ESR spectra of substituted 2-(- hydroxyethoxy)phenoxy radicals" Izv. Akad. Nauk SSSR, Ser. Khim., 1987, (6), 1255-60; Chem. Abstr. 13090e (1988), 108, English translation: Plenum Publishing Corporation, Bull. Acad. of Science of USSR, 1988, pp. 1155-59.

36. Chekalov A.K., Prokof'ev A.I., Solodovnikov S.P., Zhdanov A.A., Kabachnik M.I. "Mechanism of hindered rotation of SiF₃-group in trifluorosilyl 3,6-di-tert-butyl-o-semiquinolate of silicone trifluoride" Izv. Akad. Nauk SSSR. Ser. Khim., 1986, (12), 2706-9; Chem. Abstr. 220210r (1986), 108. English translation: Plenum Publishing Corporation, Bull. Acad. of Science of USSR, 1987, pp. 2480-83.

37. Chekalov A.K., Prokof'ev A.I., Bubnov N.N., Solodovnikov S.P., Zhdanov A.A., Kabachnik M.I. "Opening of chelate ring in paramagnetic 3,6-di-tert-butylpyrocatechate trifluorosilicate by the action of electrone donor molecules" Izv. Akad. Nauk SSSR, 1986, (6), 1426-9; Chem. Abstr. 101563y (1986), 106. English translation: Plenum Publishing Corporation, Bull. Acad. of Science of USSR, 1986, 35 (6), pp. 1295-1298.

38. Chekalov A.K., Kazennova N.B., Prokof'ev A.I., Bubnov N.N., Solodovnikov S.P., Zhdanov A.A., Kabachnik M.I., "Reaction of tetraaminosilane with substituted pyrocatechols" Dokl. Akad. Nauk SSSR, 1985, 281(1), 117-20; Chem. Abstr. 33805k (1986), 104. English translation: Plenum Publishing Corporation, Proceed. Acad. Science of the USSR, Chemistry Section, 1985, pp. 209-211.

39. Chekalov A.K., Prokof'ev A.A., Bubnov N.N., Solodovnikov S.P., Zhdanov A.A., Kabachnik M.I., "Sililolropy in substituted 2-triethylsiloxyphenoxy radicals" Izv. Akad. Nauk SSSR, Ser. Khim., 1984(4), 898-901; Chem. Abstr. 111000y (1984), English translation: Plenum Publishing Corporation, Bull. Acad. of Science of USSR, 1984, 33(4), pp. 827-830.

40. Chekalov A.K., Prokof'ev A.I., Khodak N.N., Solodovnikov S.P., Kabachnik M.I., "Peculiarities of ESR spectra of substituted orthobenzosemiquinolate of antimony dichlorides" Dokl. Akad. Nauk SSSR, 1984, 274 (1) 133-7; Chem.Abstr. 149840g (1984) 100. English translation: Plenum Publishing Corporation, Proceed. Acad. Science of the USSR, Chemistry Section, 1984, pp.38-41.

41. Chekalov A.K., Prokof'ev A.I., Bubnov N.N., Solodovnikov S.R., Zhdanov A.A., Kabachnik M.I. "Hindered rotation of trifluorosyl group in silicon trifluoride 3,6-di-tert-butyl-o-semiquinolate" Izv. Akad. Nauk SSSR, Ser. Khim, 1983, (5), 1184-8; Chem. Abstr. 70825r (1983) 99. English translation: Plenum Publishing Corporation, Bull. Acad. of Science of USSR, 1983, 32(5), pp. 1069-1072.

42. Chekalov A.K., Prokof'ev A.I., Bubnov N.N., Solodovnikov S.P., Zhdanov A.A., Kabachnik M.I., " Investigation of orthosemiquinolate complexes containing a trifluorosilyl group", Izv. Akad. Nauk SSSR, Ser. Khim., 1983, (5), 1037-45; Chem. Abstr. 60810g (1984) 100. English translation: Plenum Publishing Corporation, Bull. Acad. of Science of USSR, 1983, 32(5), pp. 939-946.

43. Chekalov A.K., Prokof'ev A.I., Bubnov N.N., Solodovnikov S.P., Zhdanov A.A., Kabachnik M.I. "Stereochemistry of 3,6-di-tert-butylorthosemiquinolate of silicon trifluoride ". Dokl. Akad. Nauk SSSR, 1982, 262 (3), 622-6 (chem); Chem. Abstr. 180670g (1982) 96. English translation: Plenum Publishing Corporation, Proceed. Acad. Science of the USSR, Chemistry Section, 1982, pp. 26-29.

44. Chekalov A. K., Prokof'ev A.I., Bubnov N.N., Solodovnikov S.P., Zhdanov A.A., Kabachnik M.I. "Silicon-containing radicals and diradicals with 3,5-di-tert-butylpyrocatechol ligands "Izv. Akad. Nauk SSSR, Ser. Chim., 1981 (11), 2497-505; Chem. Abstr. 162798a (1982) 96. English translation: Plenum Publishing Corporation, Bull. Acad. of Science of USSR, 1982, 30 (11), pp. 2064-2071.

45. Andrianov K.A., Tverdokhlebova I.I., Mamaeva I.I., Rabkina A.Yu, Zavin B.G., Menshov V.I., Chekalov A.K., Pavlova S.A. "Equilibrium rigidity of polyphenylsilsesquioxanes". Vysokomol. Soed. Ser. A, 1978, 20(7), 1646-51; Chem. Abstr. 110656 (1978) 89. English translation: Pergamon Press Ltd., Polymer Science U.S.S.R., 1978, v.20, pp.1857-1863.

46. Andrianov K.A., Tverdokhlebova I.I., Makarova N.N. Mamaeva I.I., Chekalov A.K., Pavlova S.A. "On the polycondensation products of cis-(1,3,5,7-tertahydroxy)-1,3,5,7-tetraphenylcyclotetrasiloxane", Vysokomol. Soed., Ser. A, 1978, 20(2), 373-381 Chem. Abstr.: 137273C (1978), 88. English translation: Pergamon Press Ltd., Polymer Science U.S.S.R., 1978, v.20, pp. 425-431.

INTERNATIONAL AND GREEK CONFERENCE PUBLICATIONS AND ABSTRACTS.

1. Α. Λάκκα, Α. Τσακάλωφ «Σύνθεση και χαρακτηρισμός των μοριακών αποτυπωμάτων της τρι-Ο-ακετυλοαδενοσίνης», 21ο Πανελλήνιο Συνέδριο Χημείας, 9-12 Δεκεμβρίου 2011, Θεσσαλονίκη.

2. Α. Tsakalof, D. Gkagtzis, G. Koukoulis, C. Hadjichristodoulou «Development of GC/MS method with programmable temperature vaporization large volume injection for monitoring of 17β-estradiol and 2-methoxyestradiol in plasma», 21ο Πανελλήνιο Συνέδριο Χημείας, 9-12 Δεκεμβρίου 2011, Θεσσαλονίκη.

3. Σ. Χριστοφορίδου, Ε. Μαλισσιόβα, Ο. Γκορτζή, Α. Τσακάλωφ, Χ. Χατζηχριστοδούλου «Συγκριτική αξιολόγηση της αξιοπιστίας εμπορικών συσκευασιών ELISA για την ανίχνευση και ποσοτικοποίηση της αφλατοξίνης Μ1 σε αίγιο γάλα», 2ο Πανελλήνιο Συνέδριο του Φόρουμ Δημόσιας Υγείας & Κοινωνικής Ιατρικής, 25-27 Νοεμβρίου 2011, Λάρισα.

4. Ε. Μαλισσιόβα, Ι. Αρβανιτογιάννης, Α. Τσακάλωφ, Φ. Παππάς, Π. Μιχαλοπούλου, Β. Μπούτσικα, Ε. Βρυώνης, Χ. Χατζηχριστοδούλου «Παρουσία αφλατοξίνης Μ1 σε αίγιο και πρόβιο γάλα, βιολογικής και συμβατικής προέλευσης, στην περιοχή της Θεσσαλίας», 2ο Πανελλήνιο Συνέδριο του Φόρουμ Δημόσιας Υγείας & Κοινωνικής Ιατρικής, 25-27 Νοεμβρίου 2011, Λάρισα.

5. Μ. Γεννατά, Μ. Χατζηνίκου, Δ. Γκαγκτζής, Α. Τσακάλωφ, Χ. Χατζηχριστοδούλου «Επίπεδα τοξικών ιχνοστοιχείων (Cr, As, Pb) και σιδήρου στα δείγματα πόσιμου νερού της περιφέρειας Θεσσαλίας», 2ο Πανελλήνιο Συνέδριο του Φόρουμ Δημόσιας Υγείας & Κοινωνικής Ιατρικής, 25-27 Νοεμβρίου 2011, Λάρισα.

6. Ι. Mylonis, Α. Lakka, Α. Tsakalof, G. Simos «Inhibition of HIF-1 activity and hepatoma cell viability under hypoxic conditions by the natural dietary flavonoid kaempferol», HypOxiaNet, Therapeutic Aspects of Hypoxia-Inducible Pathways, October 7-8, 2010, Dublin, Ireland, Book of Abstracts p.16

7. Μ. Katsenis, Α. Tsakalof and C. Hatzichristodoulou «Localization study of potential pollution sources of groundwater and surface water in Trikala's prefecture», Second International Symposium On Green Chemistry for Environment and Health, September 27-29, 2010, Mykonos, Greece, Book of Abstracts p.125

8. Μ. Hatzinikou, Μ. Gennata, D. Gkagtzis, Α. Tsakalof and C. Hadjichristodoulou «Safeguarding the water quality in the area of Thessaly», Second International Symposium On Green Chemistry for Environment and Health, September 27-29, 2010, Mykonos, Greece, Book of Abstracts p.115

9. Α. Lakka, Ι. Mylonis, G. Simos, Α. Tsakalof «Application of molecularly imprinted polymers (MIP) in drug discovery», Biomaterials and bionanomaterial, May 2-9 2010, Iraklion, Crete, Greece Book of Abstracts p. 28

10. A. Lakka, A. Tsakalof “Fabrication and characterization of tri-o-acetyladenosine imprinted polymers” , Biomaterials and bionanomaterial, May 2-9 2010, Iraklion, Crete, Greece Book of Abstract p. 68-69
11. P. Manoudis, A. Tsakalof, I. Karapanagiotis, I. Zuburtikudis and C. Panayiotou “Biomimetic superhydrophobic polymer composition for the protection of stone monuments and buildings”, Biomaterials and bionanomaterial, May 2-9, 2010, Iraklion, Crete, Greece Book of Abstract p. 68-69
12. A.Lakka, I. Mylonis, G.Simos, A. Tsakalof “Application of quercetin imprinted polymer for the isolation of hypoxia inducible factor 1 (HIF-1) inhibitors from frankincense”, 11th Conference in advanced medicinal chemistry, May 23-24, 2009, Thessaloniki, Greece, Book of Abstracts p.75
13. P. N. Manoudis, I. Karapanagiotis, A. Tsakalof, I. Zuburtikudis and C. Panayiotou «A simple methodology for producing super-hydrophobic composite films on various substrates» 2008 Aiche Annual meeting, Philadelphia, USA, November 16-21 2008.
14. P. N. Manoudis, I. Karapanagiotis, A. Tsakalof, I. Zuburtikudis, L. Papadopoulou and C. Panayiotou “ The effect of the particle content on the super-hydrophobic properties of polymer/particle composite films” 34th International Conference on Micro and Nano Engineering, September 15-18, 2008, Athens, Greece, Book of abstracts FAB-17, p.41.
15. P. N. Manoudis, I. Karapanagiotis, A. Tsakalof, I. Zuburtikudis and C. Panayiotou “Superhydrophobic Composite polymer/particle films » 5th International Conference on Nanosciences & Nanotechnologies - NN08, 14-16 July 2008, Thessaloniki, Greece , Abstracts p.79.
16. P. Manoudis, I. Karapanagiotis, A. Tsakalof, I. Zuburtikudis and C. Panayiotou, “Super-hydrophobic polymer/nanoparticle composites for the protection of marble monuments” 9th International Conference Art 2008, May 25-30, Jerusalem, 2008, Proceedings pp.1-8.
17. A. Lakka, A. Tsakalof “*In vitro* studies of the reductive release of iron from ferritin by flavonoids.”, 10th Conference in advanced medicinal chemistry, May 25-26, 2007, Thessaloniki, Greece.p. 100.
18. P. Manoudis, S. Papadopoulou, I. Karapanagiotis, A. Tsakalof, I. Zuburtikudis, C. Panayiotou «Polymer-Silica nanoparticles composite films as protection for stone-based monuments», *Journal of Physics: Conference Series* 2007, 61(1), pp. 1361-1365
19. Triantafyllou A., Bonanou S. and A. Tsakalof. «Hypoxia inducible factor-1 α (HIF-1 α) induction by flavonoids: Structure-activity relationships and mechanism of induction.*Newsletter of the Hellenic Society of Biochemistry & Molecular Biology, Book of Abstracts of the 58th Meeting, Patra, December 2006, Volume 53, p. 212.*

20. A. Triantafyllou, A. Tsakalof, P.Liakos, S. Bonanou “Regulation of Hypoxia Inducible Factor 1 α (HIF-1 α) induction and HIF-1 transcriptional activity by flavonoids”, 5ο Πανελλήνιο Συνέδριο Ελευθερών Ριζών και Οξειδοτικού Στρες, Σεπτέμβριος 2006, Καρδαμυλή Μεσσηνίας. *Τόμος Περιλήψεων σ. 91*.
21. A. Triantafyllou, P. Liakos, A. Tsakalof, G. Chachami1, E. Paraskeva, I. Athanasiadis, P-A. Molyvdas, E. Georgatsou, G. Simos and S. Bonanou «Ferric citrate abolishes the induction of the hypoxia inducible factor HIF-1 α expression and restores the inhibition of cell proliferation produced by the flavonoid quercetin», Cell Signalling World 2006, Signal Transduction Pathways as therapeutic targets, Luxemburg, January 2006, Proceedings, p. 532.
22. Triantafyllou, A., Liakos, P., Tsakalof, A., Georgatsou, E., Simos, G. and Bonanou, S. “Differential regulation of hypoxia inducible factor 1 α (HIF-1 α) and HeLa cell survival and proliferation by hypoxia, desferroxamine, cobalt and quercetin: the role of iron”, 30th FEBS Congress and 9th IUBMB Conference, Budapest, Hungary, July 2005, FEBS Journal, 2005, 272, supplement 1, p.567.
23. Tsakalof, A., Manoudis. P., Karapanagiotis, I., Chrysoulakis, I., Panayiotou, C. “Evaluation of protective efficacy of synthetic organic coatings applied on stone monuments” E-MRS Spring Meeting, 31 May, 2005, Strasburg, France, Abstract P/Q 14.
24. Τριανταφύλλου, Α., Λιάκος, Π., Τσακάλωφ, Α., Γεωργάτσου, Ε., Σίμος, Γ., και Μπονάνου, Σ. «Ο ρόλος του σιδήρου στην ρύθμιση της έκφρασης του μεταγραφικού παράγοντα HIF-1 α και της επιβίωσης και πολλαπλασιασμού των κυττάρων σε συνθήκες υποξίας η παρουσία δεσφερριοξαμίνης, κοβαλτίου η κερκετίνης», 1^ο Πανελλήνιο Συνέδριο των Βασικών Ιατρικών Επιστημών, Αθήνα, 2003.
25. Manoudis, P., Karapanayotis, I., Tsakalof, A., Andrikopoulos, K., “Comparative study of synthetic coatings for the stone monument protection” ITECOM-TEE, Καινοτόμες και υλικά για την προστασία της πολιτιστικής κληρονομιάς, Αθήνα, 2003.
26. Sister Daniilia, A.Tsakalof, J.Wouters, I. Vanden Berghe, K. Andrikopoulos, I.Chrysoulakis «The use of natural organic coloring materials on Byzantine and post-Byzantine icons», 4ο Συμπόσιο Αρχαιομετρίας της Ελληνικής Αρχαιομετρικής Εταιρείας, Μάιος 2003, Αθήνα
27. Tsakalof A., Bairachtari K., Sister Daniilia ,Chrysoulakis I., “Identification of binding media in art objects: Protato Church wall paintings and N.Gyzis’ paintings”, 4ο Συμπόσιο Αρχαιομετρίας της Ελληνικής Αρχαιομετρικής Εταιρείας, Μάιος 2003, Αθήνα.
28. Tsakalof A., Bairachtari K., Aslani I., Chrysoulakis I., Kolisis F. “Biodegradaton of art objects: impact on proteinaceous binding media identification in art objects”, 4ο Συμπόσιο Αρχαιομετρίας της Ελληνικής Αρχαιομετρικής Εταιρείας, Μάιος 2003, Αθήνα.

29. Tsakalof A.K., Sotiropoulou S., Chrysoulakis I. "Binding media identification in art objects: the state of art in Europe. Results of the international survey", 4ο Συμπόσιο Αρχαιομετρίας της Ελληνικής Αρχαιομετρικής Εταιρείας, Μάιος 2003, Αθήνα.
30. Μ.Τουτουδάκη, A.Τσακάλωφ, Α.Τσατσάκης «Ανίχνευση του εντομοκτόνου DIAZINON σε τρίχες αρουραίων με NCI GC-MS», 3^ο ΠΑΝΕΛΛΗΝΙΟ ΣΥΝΕΔΡΙΟ ΙΑΤΡΟΔΙΚΑΣΤΙΚΗΣ & ΤΟΞΙΚΟΛΟΓΙΑΣ, Candia Maris Hotel – Ηράκλειο Κρήτης, 6 – 10 Νοεμβρίου 2002
31. Μπέγας, Α. Τσακάλωφ, Α. Μπενάκης και Ε. Κ. Ασπροδίνη «Εκτίμηση της *in vivo* δραστηριότητας του cyp1a2 με τη χρήση της καφεΐνης: προσδιορισμός του μεταβολικού λόγου (afmu+1u+1x)/17u στα ουρά με τη μεθοδο της υγρης χρωματογραφιας υψηλης αποδοσης», 3^ο ΠΑΝΕΛΛΗΝΙΟ ΣΥΝΕΔΡΙΟ ΙΑΤΡΟΔΙΚΑΣΤΙΚΗΣ & ΤΟΞΙΚΟΛΟΓΙΑΣ, Candia Maris Hotel – Ηράκλειο Κρήτης, 6 – 10 Νοεμβρίου 2002
32. A.Tsakalof, A.G.Lymberopoulos and M. Dobrota «High-performance liquid chromatography-electrospray ionisation mass spectrometry as a sensitive method for determination of mycotoxin zearalenone in food» 3^ο ΠΑΝΕΛΛΗΝΙΟ ΣΥΝΕΔΡΙΟ ΙΑΤΡΟΔΙΚΑΣΤΙΚΗΣ & ΤΟΞΙΚΟΛΟΓΙΑΣ, Candia Maris Hotel – Ηράκλειο Κρήτης, 6 – 10 Νοεμβρίου 2002.
33. Tsakalof A., Bairachtari K.A., Chrysoulakis I. "Identification of proteinaceous binding media in art objects by GC-MS", IMA 2001, Ioannina, Greece, 2001, Abstracts, p.P7
34. Tsakalof A.K., Taylor A. "The use of iminodiacetate functionalized silica for on-line column preconcentration of lead and cadmium", Metal ions in biology and Medicine, Munich, Germany, 1998, Proceedings, pp.8-12.
35. Tsakalof A.K., Taylor A. " Pretreatment of biomedical samples for trace metal quantitation", International Congress on Analytical Chemistry, Moscow, Russia, 1997, Abstracts, C-51
36. Tsakalof A.K. " Quantification of trace metals in biological samples by the complexation ion chromatography", 33rd International Congress on Forensic (TIAFT) and 1st on Enviromental Toxicology (GRETOX 1995), Thessaloniki, Greece, 1995, Abstracts, 119.
37. Cooms M.M., Boyd G.M., Ioannides C., Snelling J., Tsakalof A.K. "Species variation in the hepatic microsomal metabolism of 15,16-dihydro-11-methylcyclopenta [a] phenanthren-17-one", American Association of Cancer Research meeting, 1995, Toronto, Canada, Abstracts, p.109.
38. Τσατσάκης Α., Τσικριτζής Μ., Αλεγάκης Α., Τσακάλωφ Α., Μιχαλοδημητράκης Μ. «Το πρόβλημα των ναρκωτικών σε εκπαιδευτικά ιδρύματα της Κρήτης», 2^ο Πανελλήνιο Συνέδριο Μελέτης Εξαρτησιογόνων Ουσιών, Θεσσαλονίκη, 1995, Περίληψεις, σ. 71.

39. Tsilimbaris M.K., Pallikaris I.G., Naoumidi I.I., Lydataki S., Tsakalof A.K. "Morphological Evaluation of Phthalocyanine mediated photorombosis of corneal neovascularization in rabbits", The Association for Research in Vision and Ophtalmology, Annual Meeting, May, 1993, Sarasota, Florida, Abstracts, p. 1590.
40. Tsakalof A.K., Tsatsakis A.M., Michalodimitrakis M.N., Chatzakis G. "Carbamazepine (Tegretol[®]) case", 30th Inter. Congress TIAFT, Oct. 1992, Fukuoka, Japan, p.
41. Michalodimitrakis M., Tsatsakis A.M., Tsakalof A.K. "Forensic medicine in Greece", 30th Inter. Congress TIAFT, Oct. 1992, Fukuoka, Japan, p. 97
42. Tsatsakis A.M., Tsakalof A.K., Michalodimitrakis M.N. "Discrepances in lethal methomyl blood cocentrations", 30th Intern. Congress TIAFT, Oct. 1992, Fukuoka, Japan. p. 143.
43. Tsakalof A.K., Tsatsakis A.M., Michalodimitrakis M.N. "Detection and GC-quantitation of organophosphorous insecticides in biosamples", Sixth International Congress of Toxicology, Rome, 28 June-3 July, Toxicology Letters, Suppl. 1992, p. 228.
44. Chekalov A.K., Dimopoulou M., Lakarova E.V., Tsatsakis A.M. "Hydrolysis kinetics studies of indomethacin polymeric form", Second European Symposium on controlled drug delivery, Noordwijk Aan Zee The Netherlands, 1992, Absrtacts, p. 110-113.
45. Tsakalof A.K., Tsatsakis A.M. "Orthosemiquinolate complexes of antimony dichloride", IXth FECHM Conference on Organometallic Chemistry, Heidelberg, Germany, July 14-19, 1991, Abstracts. p. 72.
46. Chekalov A.K. "ESR investigation of spin adducts of siliconbispirocatehat", 8th European Symposium on Polymer Spectroscopy, Budapest, Hungary, 1988, Abstracts, p. 124.
47. Chekalov A.K., Prokof'ev A.I., Bubnov N.N., Solodovnikov S.P., Zhdanov A.A., Kabachnik M.I. "Opening of chelate ring in paramagnetic pyrocatechatrifluorosilicate", VI AII-Union conference on chemistry and use of siliconorganic compaunds, Riga, 1986, Abstracts, p. 327.
48. Chekalov A.K., Prokof'ev A.I., Bubnov N.N., Solodovnikov S.P., Zhdanov A.A., Kabachnik M.I. "Investigation of ESR spectra of fluorosiliconcontaining orthosemichinolate radical", III AII-Union Symposium on Structure and reaction ability of siliconorganic compounds, Irkutsk, USSR. 1985, Abstracs, p. 34.
49. Chekalov A.K., Temnikovskii V.A., Pertseva N.V., "Investigation of polysiloxanediols reaction with organocyclosiloxanes in the presence of nucleophilic catalysts". All-Union conference on chemisry and use of siliconorganic compounds, "Tbilisi, USSR, 1980, Abstracts, p. 294.

50. Pertseva N.V., Chekalov A.K., Temnicovskii V.A., "Investigation of composition and molecular-mass distribution of organosiloxane copolymers by gel permeation chromatography" All Union conference on chemistry and use of siliconorganic compounds "Tbilisi, USSR, 1980, Abstracts, p 515.