

**TSAKALOF ANDREAS**  
**ΤΣΑΚΑΛΩΦ ΑΝΔΡΕΑΣ**

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

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## **PERSONAL DATA**

**Place and date of birth:** Moscow , Russia, 1954

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## **EDUCATION:**

1977 -Degree in Chemical Engineering, Lomonosov Moscow State Academy 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<sup>o</sup> ERB4001GT973029, University of Surrey, School of Biological Science, United Kingdom

## **PROFESSIONAL CARRIER:**

**1977-1989** - research fellow, Institute of Synthetic Polymer Materials, Russian Academy of Science, Moscow, Russia.

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

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

**1993-2000** - 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, 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

## 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 1/3	0,505	3,2,3, 0, 0, 0, 1,2, 1,0	1981, 83, 83, 1984, 86, 86, 1987, 89, 90
Doklady Chemistry (Doklady Akad Nauk USSR)	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	2	1996
Journal of Chromatography B	1	1/3*	2,5	11	2003
Human and Experimental Toxicology	1	3/3	1,46	17	2003
Arzneimittel Forschung Drug Research	1	2/5	0,71	2	2004
Journal of Separation Science	2	1/5*, 1/3*	2,75	2, 6	2004, 2006
Journal of Liquid Chromatography	1	3/4	1,03	12	2005
Journal of Plant Growth Regulation	1	5/6	2,11	2	2006
Free Radical Research	2	3/6, 3/8	2,83	26, 20	2006, 2007
Journal of Cultural Heritage	1	1/5*	1,46	20	2007
Biomedical Chromatography	1	3/5	1,59	11	2007
Applied and Environmental Microbiology	1	3/8	3,82	10	2007
Therapeutic Drug Monitoring	1	2/3	2,41	21	2007
Journal of Archaeological Science	2	2/4, 4/5	1,78	4,6	2007, 2008
Free Radicals in Biology and Medicine	1	5/5*	5,44	26	2008
Langmuir	1	3/5	4,10	41	2008
Surface and coatings technology	1	2/5*	1,86	12	2009
Applied Physics A-Materials Science &	1	3/5	1,88	3	2009
Biochemical and Biophysical Research	1	4/5	2,65	3	2010
Investigational new drugs	1	5/5*	3,4	0	2011
Analytica Chimica Acta	1	1/4*	4,31	0	2012
Toxicology Letters	2	2/4*, 4/5	3,58		Accepted
Σύνολο	45		81,90	371	1978-2010

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Number of patents – 3

## LIST OF PUBLICATIONS IN INTERNATIONAL JOURNALS:

1. 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 $\beta$ -estradiol and 2-methoxyestradiol in plasma», *Analytica Chimica Acta*, 2012, 709(1), pp.73-80
2. 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*, accepted
3. 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*, accepted
4. 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
5. 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
6. 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.
7. 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
8. P. Manoudis, I. Karapanagiotis, A. Tsakalof, I. Zuburtikudis, C. Panayiotou «Superhydrophobic Composite Films Produced on Various Substrates», *Langmuir*, 2008, 24, pp.11225-11232
9. A. Triantafyllou, I. Mylonis, G. Simos, S. Bonanou, A. Tsakalof\* «Flavonoids induce HIF-1 $\alpha$  but impair its nuclear accumulation and activity», *Free Radical in Biology and Medicine*, 2008,44, pp.657-670
10. 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

11. Sister Daniilia, A. Tsakalof, K. Bairachtari, Y. Chryssoulakis «The Byzantine wall paintings from the Protaton Church on Mount Athos, Greece: tradition and science», *Journal of Archaeological Science*, 2007, 34, pp.1971-1984

12. A.Triantafyllou, P. Liakos, A. Tsakalof, G. Chachami, E. Paraskva, E.Georgatsou, G.Simos, S.Bonanou «The flavonoid quercetin induces hypoxia-inducible factor-1 $\alpha$  (HIF-1 $\alpha$ ) and inhibits cell proliferation by depleting intracellular iron», *Free Radical Research*, 2007, 41(3), pp.342-356.

13. 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.

14. 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

15. 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

16. A. Tsakalof\*, P. Manoudis, I. Karapanagiotis, I. Chryssoulakis, C. Panayiotou «Assesment of synthetic polymer coatings for the protection and preservation of stone monuments», *Journal of Cultural Cheritage*, 2007, 8(1), pp. 69-72

17. A.Triantafyllou, P. Liakos, A. Tsakalof, E.Georgatsou, G.Simos, S.Bonanou «Cobalt induces hypoxia-inducible factor-1 $\alpha$  (HIF-1 $\alpha$  ) in HeLa cells by an iron-independent, but ROS-, PI-3K and MAPK-dependent mechanism», *Free Radical Research*, 2006, 40(8), pp. 847-856

18. 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.

19. A. Tsakalof\*, K. Bairachtari, I. Chryssoulakis "Pitfalls in drying oils identification in art objects by gas chromatography", *Journal of Separation Science*, 2006, 29(11), pp. 1642-1646.

20. 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

21. 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.
22. 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.
23. 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.
24. 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.
25. 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
26. 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.
27. 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.
28. 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[ $\alpha$ ]phenantren-17-one to its 3,4-dihydrodiol, the proximate carcinogen”, *Carcinogenesis*, 1995,v. 16(10), pp. 2351-2355.
29. 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.
30. 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.

31. 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.

32. 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.

33. 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

34. 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.

35. Chekalov A.K., Prokof'ev A.I., Solodovnikov S.P., Zhdanov A.A., Kabachnik M.I. "Mechanism of hindered rotation of SiF<sub>3</sub>-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.

36. 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-butylpyrocatechol 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.

37. 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.

38. Chekalov A.K., Prokof'ev A.A., Bubnov N.N., Solodovnikov S.P., Zhdanov A.A., Kabachnik M.I., "Silliotropy 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.

39. 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.

40. 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.

41. 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.

42. 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.

43. 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.

44. 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 polyphenylsilsequioxanes". 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.

45. 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 CONFERENCE PUBLICATIONS.



1. I. Mylonis, A. Lakka, A. 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

2. M. Katsenis, A. 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

3. M. Hatzinikou, M. Gennata, D. Gagtzis, A. 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

4. A. Lakka, I. Mylonis, G. Simos, A. 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

5. 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

6. 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

7. 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”, 11<sup>th</sup> Conference in advanced medicinal chemistry, May 23-24, 2009, Thessaloniki, Greece, Book of Abstracts p.75

8. 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.

9. 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” 34<sup>th</sup> International Conference on Micro and Nano Engineering, September 15-18, 2008, Athens, Greece, Book of abstracts FAB-17, p.41.

10. P. N. Manoudis, I. Karapanagiotis, A. Tsakalof, I. Zuburtikudis and C. Panayiotou “Superhydrophobic Composite polymer/particle films » 5<sup>th</sup> International Conference on

Nanosciences & Nanotechnologies - NN08, 14-16 July 2008, Thessaloniki, Greece, Abstracts p.79.

11. P. Manoudis, I. Karapanagiotis, A. Tsakalof, I. Zuburtikudis and C. Panayiotou, "Super-hydrophobic polymer/nanoparticle composites for the protection of marble monuments" 9<sup>th</sup> International Conference Art 2008, May 25-30, Jerusalem, 2008, Proceedings pp.1-8.

12. A. Lakka, A. Tsakalof "In vitro studies of the reductive release of iron from ferritin by flavonoids.", 10<sup>th</sup> Conference in advanced medicinal chemistry, May 25-26, 2007, Thessaloniki, Greece.p. 100.

13. 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

14. Triantafyllou A., Bonanou S. and A. Tsakalof. «Hypoxia inducible factor-1 $\alpha$  (HIF-1 $\alpha$ ) induction by flavonoids: Structure-activity relationships and mechanism of induction. *Newsletter of the Hellenic Society of Biochemistry & Molecular Biology, Book of Abstracts of the 58<sup>th</sup> Meeting, Patra, December 2006, Volume 53, p. 212.*

15. A. Triantafyllou, A. Tsakalof, P.Liakos, S. Bonanou "Regulation of Hypoxia Inducible Factor 1 $\alpha$  (HIF-1 $\alpha$ ) induction and HIF-1 transcriptional activity by flavonoids", 5<sup>o</sup> Πανελλήνιο Συνέδριο Ελευθερών Ριζών και Οξειδοτικού Στρες, Σεπτέμβριος 2006, Καρδαμυλή Μεσσηνίας. *Τόμος Περιλήψεων σ. 91.*

16. A. Triantafyllou, P. Liakos, A. Tsakalof, G. Chachami, 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 $\alpha$  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.

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19. 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 $\alpha$  και της επιβίωσης και πολλαπλασιασμού των κυττάρων σε συνθήκες

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