

**Personal information**

First name / Surname

**Aristidis Michael Tsatsakis**

Work Address

University Campus, Voutes, Heraklion

Telephones

+302810394870, +306948988768

E-mail

tsatsaka@uoc.gr

Nationality

Greek

Date of birth

15-6-1957

Marital Status

 Married to Athina Galioudaki *president court of first instance*, a daughter and three sons

**Title**
**Full Professor of Toxicology**
**Education Titles**

2006

D.Sc.: Biology Toxicology, Friendship of Nations University of Moscow

1986

PhD: Organic Chemistry, Mendeleev University, Moscow

1982

MSc: Chemistry, Mendeleev University, Moscow.

1980

BSc: Chem. Engineering, Mendeleev University of Chemistry, Moscow

**Honorable Titles**

2023

Honorary Member, Romanian Society of Toxicology

2021

Highly Cited Researcher 2021, Clarivate Analytica – Web of Science

2020

Highly Cited Researcher 2020, Clarivate Analytica – Web of Science

2019

Honorary Member of Slovak Society of Toxicology (SETOX)

2018

Full Member of The World Academy of Sciences (FMWAS)

2018

Fellow of the Academy of Toxicological Sciences (ATS)

2018

Honorary President, European Institute of Nutritional Medicine (E.I.Nu.M.)

2018

Honorary Member, Federation of European Toxicologists &amp; European Societies of Toxicology (EUROTOX)

2017

Honorary Member, Bulgarian Toxicology Society

2017

Honorary Doctor Causa, Carol Davila University of Medicine and Pharmacy in Bucharest

2017

Honorary Doctor Causa, Federal Far East University, Vladivostok

2016

Honorary Doctor Causa, Mendeleev Moscow University in Russia

2016

Foreign Member of the National Russian Academy of Science, Academician RAS

2014

Emeritus Professor, Erisman Russian Federal Institute of Hygiene and Toxicology

2014-2016

President of EUROTOX, Federation of European Societies of Toxicology

**Positions Held**

2010 - now

 Professor of Toxicology  
 School of Medicine, University of Crete and University General Hospital

2001 - now

 Director of the Toxicology and the Forensic Science Department  
 School of Medicine, University of Crete and University General Hospital

2001 - 2005

 Executive Board Member of the School of Medicine  
 School of Medicine, University of Crete and University General Hospital

2001 - 2005

 Director Division of Morphology  
 School of Medicine, University of Crete and University General Hospital

1999 - 2001

Visiting Professor in Toxicology

2001 - 2010	Medical Academy of Moscow Associate Professor Department of Forensic Sciences, University of Crete and University General Hospital
1996 - 2001	Tenure Assistant Professor of Toxicology Department of Forensic Sciences, University of Crete and University General Hospital
1997 - 2003	Visiting Lecturer in Toxicology University of Mendeleev
1993 - 1996	Assistant Professor of Toxicology Department of Forensic Sciences, University General Hospital
1996	Visiting Research Fellow University of Florida and Schands Hospital, USA
1994	Research Fellow Toxicology Centre, University of Antwerp, Belgium
1988 - 1993	Lecturer, Head of Toxicology Unit of Department of Forensic Sciences School of Medicine, University of Crete and University General Hospital
1992	Research Fellow University of Maryland and O.C.M.E Baltimore, USA
1989 - 1991	Research Fellow Mendeleev University
1986 - 1989	Adjunct Assistant Professor Department of Chemistry, University of Crete
1987 - 1990	Post-doctoral Fellow Macromolecular Chemistry, Mendeleev University
<b>Scientific distinction - Awards</b>	<ul style="list-style-type: none"> <li>• Diploma with Distinction (Excellency), Mendeleev University (1982).</li> <li>• European Science Foundation Fellowships in Toxicology, (1993, 1994)</li> <li>• Gold Metal, Eminent Scientist, Int.Research Promotion Council (IRPC) (2001)</li> <li>• Executive and Nomination Committee member, EUROTOX (2004-2012)</li> <li>• Advisor Int Program Chemical Safety (IPCS), WHO (2002)</li> <li>• Merit Award BIONANOTOX Symposiums (2016)</li> <li>• Award of Excellence, MED Solutions, International group (2016).</li> <li>• Foreign Member of the National Russian Academy of Science, Academician RAS (2016)</li> <li>• Emeritus President Hellenic Society of Toxicology (2017)</li> <li>• Merit Award Greek Ministry of Agriculture (2017)</li> <li>• Highly Cited Researcher 2020, Clarivate Analytics – Web of Science (2020)</li> <li>• Commemorative medal “130 years of the Federal Scientific Center of Hygiene named after F.F.Erisman” (2021)</li> <li>• Highly Cited Researcher 2021, Clarivate Analytics – Web of Science (2021)</li> <li>• EUROTOX Merit Award 2022</li> <li>• Member of Academia Europaea (2023)</li> </ul>
<b>Research interests</b>	<ul style="list-style-type: none"> <li>• Development of analytical methods for testing of drugs and xenobiotics.</li> <li>• Human biomonitoring, monitoring and biomonitoring of xenobiotics in the ecosystem</li> <li>• Chronic exposure to xenobiotics and impact on human health and linking to diseases.</li> <li>• Development of macromolecular and nano systems for targeting and reducing toxicity of drugs.</li> <li>• Telomeres length, chronic diseases and aging. Focus on biomarkers and modulation of telomerase.</li> <li>• Forensic and clinical issues of anabolic and drugs of abuse.</li> <li>• Nanomedicine – Nanotoxicology</li> </ul>
<b>Honorable posts</b>	2016 Elected Foreign Member of the National Russian Academy of Science, Academician RAS

2016 – 2018	Chairman of Nomination Committee EUROTOX
2014 -2016	President of Federation of European Toxicologists & European Societies of Toxicology (EUROTOX)
2013	President of the EurotoxToxicologyAdvancedCourse, Volos, Greece
2012 - Now	Scientific Director and Founder of the ToxPlus – Spin Off company (www.toxplus.gr)
2012	President Elect EUROTOX
2010 - 2018	President of eight International Symposiums BIONANOTOX
2010	President of the Eurotox Toxicology Basic Course, Crete, Greece
2010	Member of Executive Board IAAMRH ( Int Ass Agr Med Rural Health)
2008 – 2012	Member of Executive Committee of EUROTOX
2008 - Now	Chairman of the Hellenic ERT-HST national Registry
2008	Chairman of the Communication Committee of EUROTOX
2006	Consortium NANOTOX Cluster Project Member
2003-2008	Member of Nomination Committee EUROTOX
2003	President of the International Hair Testing Society Meeting in Crete
2001 - Now	Director of Toxicology and the Forensic Science Department. School of Medicine, University of Crete and University General Hospital
2001 - 2016	President of the Hellenic Society of Toxicology
2000 - 2004	Advisor for National Authority of Drugs (Greek FDA)
1997 - 2001	General Secretary of Greek Society of Toxicology

#### Editorial Positions

- Editor in Chief Toxicology Reports (2017-2021), *Elsevier*
- Editor of Food Chemical Toxicology (FCT) (2013-2021), *Elsevier*
- Guest Editor of Toxicology Letters (2 special issues), *Elsevier*
- Guest Editor of Toxicology (1 special issue), *Elsevier*
- Guest Editor of Food Chemical Toxicology (FCT), *Elsevier*
- Associate Editor and member of the Editorial Boards: Archives of Toxicology, Toxicology Letters, Environmental Research, Human Experimental Toxicology, The Scientific World Journal, Pteridines, Russian Journal of Biopharmaceuticals, Journal of Alcohol and Drug Research, Journal of Rural Medicine, Toxics
- Ex Editor in Chief TOFSJ, *Bentham Open*

#### Sources of funding:

1. 1991-1993 Investigation of Theoretical Principles for the Preparation of Polymeric Antidotes. General Secretariat for Research and Technology, 7th Protocol of Greek-Russian Scientific Collaboration N12135/12 Sep 1991.
2. 1994-1995 Mycotoxins: Treatment of Mycotoxicoses with the use of new Slow release Fungicides. European Science Foundation (ESF).
3. 1999-2001 Technologies of Controlled Release for Fungicides and Plant Growth Regulators. General Secretariat for Research and Technology, Greece. Program of Interstate Research Cooperation Greece\_Russia, University of Crete Funds for Research KA 1396.
4. 1999-2000 Pesticides Immunoassays Development for Monitoring Environmental Pollution. Antigen-Antibody Interaction Investigation. NATO, Division Life Science and Technology, SA, LST.CNS. 976324.
5. 2000-2001 Computer Net Working Supplement (Immunoassays for Residual Pesticides). NATO Linkage Grant, Life Sciences, LST.CLG 975077.
6. 2001 PCBs in Hair by GC-MS. Bilateral, Socrates Program EC, Universities of Crete and Answers.
7. 1999-2000 New Laboratory Methods and Technics. Identification of Pesticides and Drugs in Biosamples. Leonardo Da Vinci (EC project) (PI), UoC. ELKE KA.1356. (University Antwerp, Crete and Strasbourg Louis Pasteur).
8. 2004-2006 (CO-PI) Urban Environmental Pesticides and Childhood Cancer, Cancer, Genetics and Epidemiology, Georgetown University School of Medicine, Washington D.C. Lombardi Comprehensive Cancer Center, USA.
9. 2001-2004 (CO-PI Univ. Sunderland UK) Simple Methods for Determining Potent Xenobiotics in Water and Foodstuffs. INTAS-00-0870, EC, P.K. SARG KA 1535.
10. 2003-2005 Novel Slow Release Antifungal Drugs: Water Soluble Derivatives of

- Sorbic Acid, Nystatin and Amphotericin B with Polyvinylpyrrolidone. General Secretariat for Research and Technology, «ΠΡΑΞΕ», UoC ELKE KA 1814.
11. 2004-2006 Improving the Understanding of the Impact of Nanoparticles on Human Health and the Environment (ImPart, -No: CA 013968). Partners: NFM, Institute of Physical Chemistry, Jozef Stefan Institute, University of Leicester, University of Crete. NMP (Nanotechnologies and Nano-Sciences, FP6-2003-NMP- TI 3, Brussels. UoC ELKE KA 2219.
  12. 1990-1994 (CO-PI) The Problem of Narcotics in Crete Regional Development Plan. SPA of Crete, Management PAGNI General Hospital of Heraklion.
  13. 1988-1993 New Polymeric Pesticides. P.K. SARG (University of Crete Funds for Research) KA 207.
  14. 1992-1993 New Polymeric Antidotes. P.K. SARG (University of Crete Funds for Research) KA 407.
  15. 1991-1994 (CO-PI) Development of Physiochemical Methods for Analysis of Prohibited Substances by the Law. P.K. SARG (University of Crete Funds for Research) KA 307.
  16. 1992-1994 Polymeric Pesticides. Applications of New Technologies in Agriculture. Ministry of Development, Research And Technology, GGET General Secretariat for Research and Technology (GSRT), (University of Crete Funds for Research) KA 89EΔ365).
  17. 1993-1994 (CO-PI) Application of New Technology in the Grafting of Vine varieties using polymeric auxins. Management by The Hellenic Organization of Small and Medium Sized Enterprises and Handicraft (EOMMEX) S.A.
  18. 1996-1999 Inhibition of Mycotoxins Development in Animals Synthesis and Biological Research. General Secretariat for Research and Technology (GSRT), (University of Crete Funds for Research) KA 679.
  19. 1994-1995 Study of the problem of Narcotics in the Schools of Heraklion, Heraklion Municipality.
  20. 1996-2000 Controlled release Chemotherapeutics for avoiding Mycotoxins in products. Mycotoxins and Pesticide Residuals in Agricultural Products. Ministry of Energy and Technology, (EPET II, PEP), University of Crete Funds for Research KA. 890.
  21. 1994-1999 (CO-PI ERGO AEBE) Sterilization of Blood Lines with the use of Photosensitizer and Low Power Laser. Ministry of Development, Research And Technology, KA 97BE337 ΕΠΕΤ II, ΠΑΒΕ 97.
  22. 2002-2003 Organization of the 3rd Panhellenic Congress of Forensic Sciences and Toxicology. Ministry of Culture, University of Crete Funds for Research, KA 1628.
  23. 2002-2004 Synthesis and Studies on New Biodegradable Macromolecules for Medical Use. Ministry of Research, Energy and Technology. Program of interstate research cooperation University of Crete Funds for Research KA 1607.
  24. 1991-1993 New Polymeric Materials of Controlled Release with Immunoactive Activit. Ministry of Development, Research and Technology, Greece PENED.
  25. 2003-2005 Novel Slow Release Antifungal Drugs: Water Soluble Derivatives of Sorbic Acid, Nystatin and Amphotericin B with Polyvinylpyrrolidone. General Secretariat for Research and Technology, «ΠΡΑΞΕ» Program, P.K. SARG KA 1814.
  26. 2004-2006 (CO-PI) In Vitro Study New Water-Soluble Antifungal Drugs in Clinical Strains of Fungi Causing Skin Fungal Infections. Toxicological Study in Cell Lines. National Ministry of Education and religious affairs, «ΑΡΧΙΜΗΔΗΣ» program.
  27. 2004-2004 (CO-PI) Development of Non Invasive Methods for the Assessment of Chronic Exposure to Pesticides and Hormone depended Cancer. National Ministry of Education and religious affairs, «ΑΡΧΙΜΗΔΗΣ» program.
  28. 2005-2007 Evaluation of exposure to pesticides and its implications on public health. Programmatic contract of Itanos municipality. UoC, ELKE KA 2059.
  29. 2005-2007 New polymeric bio-materials as carriers of anti-fungal drugs O.P. Competitiveness, P.K. SARG KA 2144.
  30. 2005-2007 Environmental and populational charge due to pesticide exposure and their effects on public health. Heraklion prefecture, P.K. SARG KA 2197.
  31. 2007-2009 Nanotox National Participation, P.K. SARG KA 2219. General Secretariat

for Research and Technology. KA 2476.

32. 2006-2008 Exposure to pesticides through diet and related diseases Heraklion prefecture, P.K. SARG KA 2449.
33. 2007-2012 Forensic and toxicological investigation, analysis and examinations Ministry of Justice, P.K. SARG KA 2590.
34. 2007-2010 Effects of toxic compounds on the environment and the population, Evaluation and assessment of exposure Businesses and Individuals, P.K. SARG KA 2598.
35. 2007-2012 Evaluation of the exposure of teenagers to toxic substances in Crete Lasithi prefecture, P.K. SARG KA 2599.
36. 2007-2011 Toxicological examinations and investigation of biological samples from patients Preliminary Investigation and Authorities, P.K. SARG KA 2600.
37. 2010-2013 Risk assessment of nanomaterials and other toxic substances. Bionanotox Conference KA 3149.
38. 2011-2013 Product and material certifications for residual toxic substances. Private Funding and IIBEAAKA 3392.
39. 2012-2015 Toxicological and forensic examinations, investigations, advisory services for governmental agencies and non-state actors. Ministry of Justice, Transparency and Human Rights KA 3464.
40. 2014-2017 Toxicological examinations and investigations in biological and non-biological samples of humans and animals for assessing substance or contaminant exposure. Private Funding KA 3963.
41. 2014-2017 Toxicological tests in biological samples from patients for diagnosis and treatment. Private Funding KA 3962.
42. 2014-2017 Nanoparticles for Brain Use, Diagnostic and Ophthalmological Applications (NABUCO) ERANET RUS PLUS #69.
43. 2016-2018 European Regulatory Science on Tobacco - Policy implementation to reduce lung diseases (EUREST-PLUS). HORIZON 2020 KA 4602.

#### Patents

1. **Tsatsakis** AM, Vlahakis J, Shtilman MI, Shashkova IB. New Water-soluble polymeric plant growth regulators. Hellenic Industrial Property Organisation. Patent No1001344/93, OB, Apl. No 920100479 (1992).
2. **Tsatsakis** AM, Vlachakis J, Shtilman MI, Shashkova IB. Water soluble polymeric systems of phytohormones with slow release Synthesis and application. European Patent, EPO Bulletin 94/32 Patent No 0609638A1, 10.08.94, Int. Cl. 5 A01N25/10, Apl. No 93600016.5 (1993).
3. **Tsatsakis** AM Shtilman MI, Lakarova E, Tsakalof AK. Controlled release drug systems: New water-soluble polymeric derivatives of indomethacine. Hellenic Industrial Property Organisation 18.11.94, OBI Patent No 1001718, 18.11.94, Apl. No 930100325, 30.07.93, Int. Cl. 5 A61K47/48 (1993).
4. **Tsatsakis** AM Shtilman MI, Kurumali E, Michalodimitrakis M. Pharmaceutical compositions: Bandages with immobilised sustained indomethacin formulation. Hellenic Industrial Property Organisation, OBI. Patent No 1001719, 18.11.94, Apl. No 903100326, 30.07.93, Int. Cl. 5 A61K9/70 (1993).
5. **Tsatsakis** A, Tzatzarakis M, Shtilman MI, Harvalou K, Samonis G. New antifungal agents with prolonged action. Polymers of sorbic acid Hellenic Industrial Property Organisation, OBI Patent No 1003871, No 20000100176, 25.05.2000 (2000).
6. Kuskov AN, Shtilman MI, **Tsatsakis** AM. Methods of preparation and pharmaceutical formulation of non water soluble biologically active compounds. Russian Patent. Apl. No 20061258442/15 19.07.06, RU 2325 151 C2, A61K 9/16, A61K 9/127 (2006/01).
7. Artiuhov AA, Shtilman MI, **Tsatsakis** AM. Novel macroporous hydrogel systems. Preparation, properties and applications. Russian Patent. Apl. No 2006 1234043/15 29.06.06, RU 2328 313 C2, A61L 15/22 (2006.01), A61L 15/44(2006.01) (2006/02).
8. Kuskov AN, Kulikov PP, Shtilman MI, Tzatzarakis M, **Tsatsakis** A. Water-compatible polymer compositions for delivery of biologically active substances. Patent application № RU2015111098, (2015).

### Monographs – Chapters in Monographs

1. Nawaz M., Chung G., Golokhvast K., **Tsatsakis A.** (2022) *GMOs and Political Stance*. Academic Press. ISBN: 9780128239032
2. **Tsatsakis A.** (2021) *Toxicological Risk Assessment and Multi-System Health Impacts from Exposure*. Academic Press. Paperback ISBN: 9780323852159. eBook ISBN: 9780323853583
3. **Tsatsakis A.** (2020) *Toxicology in Modern World*. NEON publications. (greek) ISBN:978-618-84478-0-6
4. Colosio C., **Tsatsakis A.M.**, Mandić-Rajčević s., Alegakis A. (2020) *Exposure and Risk Assessment of Pesticide Use in Agriculture*. Academic Press. ISBN: 978-0-12-812466-6
5. Goumenou M, Axiotis D, Trantallidi M, Vynias D, Tsakiris I, Alegakis A, Dumanov J, **Tsatsakis A.** (2014) *Chapter 8: Toxicological Effects, Risk Assessment and Legislation for Aflatoxins* IN:Aflatoxins: Food Sources, Occurrence and Toxicological Effects.Editors: Adina G. Faulkner, NOVA Science Publishers. ISBN: 978-1-63117-298-4
6. Tsakiris IN, Renieri EM, Vlachou M, Theodoropoulou E, Goumenou M, **Tsatsakis AM.** (2014) *Chapter 9:Food Sources and Occurrence of Aflatoxins: The Experience in Greece* IN: Aflatoxins: Food Sources, Occurrence and Toxicological Effects. Editors: Adina G. Faulkner, NOVA Science Publishers. ISBN: 978-1-63117-298-4.

### Supervisor of PhD Candidates

1. Psillakis Athanasios (2000) Carbamazepine, phenytoin and valproic acid levels in the hair of patients under long-term treatment.
2. TzatzarakisManolis (2000)Synthesis and study of the biological activity of new controled release chemotherautic agents for the prevention of mycotoxicosis and the treatment of fungal infections.
3. Alegakis Athanasios (2001) Copolymers of vinylpyrrolidone as antidotes of exogenous substances: preparation and physicochemical properties.
4. TsakirisIoannis (2003) Pesticide residues in agricultural products recording, legislation, monitoring, side effects.
5. Hatzidakis George (2004)Development of fluorescence polarization immunoassays for the determination of toxic substances.
6. Toutoudaki Maria (2007)Biomarkers of exposure to pesticides: disposition study of organophosphate, carbamate and organochlorine pesticides in hair.
7. Nikitovic - Tzanakaki, Dragana (2009)In vitro study of the growth factors and tyrosine kinase effects on the organization of the osteosarcoma cell lines extracellular net.
8. Margariti Maria (2009)Biomarkers of exposure to pesticides: study of incorporation of organochlorine and organophosphate pesticides in hair from experimental animals and extrapolation of the study to humans.
9. KavvalakisMatthaios (2014) Development of mass spectrometry analytical methods for the determination of pyrethroid and neonicotinoid pesticides in laboratory animal biological samples implementation of them for the biomonitoring of rural and special population groups
10. Maravgakis George (2014)Biomarkers of chronic exposure in organophosphates. Study on the deposition of non specific metabolites in hair samples from animals. Qualitative and quantitative analysis with gas chromatography-mass spectrometry.
11. TsakirakisAggelos (2015)Determination of exposure of sprayers in pesticides during application in Greece. Development of database and reliable methods for risk prediction.
12. FragkiadakiPersefoni (2015) Notch signaling pathways in preeclamptic complicated placentas.
13. VasilakiFoteini (2016)Determination of the toxic effects of nandrolone in the cardiovascular system of animals after long term exposure.

14. KoutroulakisDimitrios (2018) Determination of organophosphate pesticides and their metabolites in amniotic fluid and estimation of their effect in fetal growth.
15. Vardavas Alexander (2018) An in vivo study of the role of Cytochrome P450 and Aldehyde Oxidase on Imidacloprid andCypermethrin metabolism and related oxidative stress and DNA damage.
16. IoannaKatsikantami (2020) Development of biomarkers of exposure to phthalates and bisphenol A in pregnant women and neonates.

#### Invited Lectures (2000-2019)

1. "The RLRS Concept in Modern Toxicology as Holistic Approach for Safety and Health Defining Biomarkers for Chronic Diseases", Medvedev Institute of Ecohygiene and Toxicology, 6 December 2019, Kiev, Ukraine.
2. "The Combination of Anthropogenic &non Anthropogenic Pressures in Chronic Diseases: Defining Biomarkers under the RLRS concept", Frederick University, 4 December 2019, Cyprus.
3. "Anthropogenic pressures in reproductive medicine.Defining biomarkers under RLRS concept", SSRHR Meeting from Implantation to Early Pregnancy, 8 – 10 November 2019, Heraklion, Greece.(keynote lecture)
4. "The real-life risk simulation (RLRS) concept in modern toxicology: The holistic approach for safety and health", 21st Congress Brazilian Toxicology (CBTOX) XV TIAFT Latin-American Regional Meeting, October 28-31, 2019, Aquas de Lindoia, Brasil.
5. "Current advances on telomeres research: Defining biomarkers for ageing and chronic diseases under the RLRS concept", 24th World Congress on Advances in Oncology and 24th International Symposium on Molecular Medicine, October 10-12, 2019 Sparta, Greece.
6. "Current advances on telomeres research: Defining biomarkers for ageing and chronic diseases under the RLRS concept", 3rd Immuno-Dermatology Conference, September 18-21, 2019, Bucharest, Romania.
7. "The concept of RLRS for toxicology safety evaluations in our modern world", 55th Congress of European Societies of Toxicology (EUROTOX 2019), September 8-11, 2019, Finlandia Hall, Helsinki, Finland.
8. "Challenges in Monitoring & Biomonitoring of Pesticides", IUTOX 15th International Congress of Toxicology (ICTXV) Co-Hosted by SOT, July 15-18, 2019, Hawaii Convention Center, Honolulu, Hawaii.
9. "Modern Challenges in Precision Medicine: Real Life Risk Simulations (RLRS) – Biomarkers from Metabolomics and Telomeres' Research", 24th Interdisciplinary Toxicology Conference, June 26-28, 2019, Congress Center Hotel SITNO, Vyhne, Slovakia.
10. "Timely Issues of Toxicology in our Modern World: Real Life Risk Simulations and Aging Process Modulation", Inter & Russian Conference on Analytical Toxicology: Advances on Perspectives and Tendencies, June 10-11, 2019, Hilton DT, Moscow, Russia.
11. "Evaluation of Risks from Real Life Exposures in 21st Century the Ageing Process and its Modulation", 2nd World Congress on Toxicology & Applied Pharmacology, June 3-4, 2019, Berlin, Germany.
12. "Current Challenges in Exposure Science and Biomonitoring for Toxicology and Risk Assessment", 24th Clinical Toxicology Congress – 1st ICTC, May 25-27, 2019, Konya, Turkey.
13. "Toxicology for real-life risk simulations (RLRS): Another challenge for precision medicine", 23rd Intern Symposium on Molecular Medicine, March 28-30, 2019, Bangkok, Thailand.
14. Plenary Seminar "Hot issues of medicine biology and chemistry: Real life risk simulation and anti-aging", Mendeleev University of Chemical Technology, February

- 19, 2019, Moscow, Russia.
15. "Challenges of Modern Toxicology in Service of Health Safety and Well-being", 3rd Toxicology Symposium, Department of Biochemistry and Biotechnology, University of Thessaly, February 2-3, 2019, Larisa, Greece.
  16. "Pesticides: Use - Regulation and Risks Assessments", Department of Biomedical Sciences, Dendistry and Imaging Morphology and Physiology, University of Messina, January 2019, Sicily, Italy.
  17. "Pesticides: Advances on Biomonitoring and Health Issues", Department of Biomedical Sciences, Dendistry and Imaging Morphology and Physiology, University of Messina, January 2019, Sicily, Italy.
  18. "Pesticides: Advances on Biomonitoring", Department of Biomedical Sciences, Dendistry and Imaging Morphology and Physiology, University of Messina, January 2019, Sicily, Italy.
  19. "Major anthropogenic pressures from chemicals related to human and environmental health", International Conference on Advances in Environmental Health and Sustainability, October 1-4, 2018, Krasnoyarsk, Russia.
  20. "Modern toxicology revolves towards assessing and promoting human and environmental health from major anthropogenic pressures and simulation of real-life associated drivers from combined long-term exposures", 23rd World Congress on Advances in Oncology and 22nd International Symposium on Molecular Medicine, September 20-22, 2018, Athens, Greece.
  21. "Challenges for Risks Assessments in 21st Century: Simulation of Real-Life Exposures to Daily Hazards", September 4-7, 2018, Chania, Greece.
  22. "Success of toxicology applications in society: From science to regulation and to implementation", 54th Congress of European Societies of Toxicology (EUROTOX 2018), September 2-5, 2018, Brussels, Belgium.
  23. "Aging process and its modulation: Advances on biomarkers for skin regeneration and related health problems", PrimavaraDermatologicaIeseana, May 24-26, 2018, Iasi, Romania.
  24. "The need for biological monitoring in agriculture and new promising methods", 10th Congress of Toxicology in Developing Countries, April 18-21, 2018, Belgrade, Serbia.
  25. "Advances in evaluating the compliance to therapy for side effects and legislative issues from psychoactive substances". Psychopharmacology Conference, 18-21 May, 2017, Bucharest.
  26. Lecture at Kamchatka Technical University on Toxicology-Ecology issues. 26 April 2017, Petropavlosk Kamchatka.
  27. Lecture at the Scientific Council on Toxicology challenges in 21<sup>st</sup> century. Federal Far East Univeristy, April 2017, Vladivostok.
  28. "Current status and Challenges for Toxicology and Risk Analysis in 21st Century: Integrating Epidemiology Experimental and Computational Data in Real Life Exposures." 8th World Congress on Toxicology and Pharmacology, 13-15, April, 2017 Dubai, UAE.
  29. "Toxicology and Risk Analysis Challenges in 21 Century." PrimavaraDermatologicaIeseana 2017, 29 March - 2 April, 2017, Iasi, Romania.
  30. "Challenges for the integration of toxicology with epidemiology data in risk analysis." International Occupational and Environmental Diseases Congress, 27-29, March, 2017, Antalya, Turkey.
  31. "Challenges for biomonitoring – exposure assessment – toxicology and risk analysis in 21s Century." BIOTECH World, 20-22 February, 2017, Moscow, Russia.
  32. "Advances of biomonitoring for drugs and pesticides for Environmental and Lifestyle Pollutants." International Toxicology Workshop in ECOHYNTOX, 17-18 December, 2016, Kiev, Ukraine.
  33. "Creating a National Register of Toxicologists. The requirements to the National Register." International Toxicology Workshop in ECOHYNTOX, 17-18 December, 2016, Kiev, Ukraine.

34. "New challenges for Toxicology and risk analysis in 21st Century." International Toxicology Workshop in ECOHYNTOX, 17-18 December, 2016, Kiev, Ukraine.
35. "Challenges for risk analysis in real life exposures." Erisman Conference on Hygiene and Preventive Medicine and Toxicology, 9-10 November, 2016, Moscow, Russia.
36. "Challenges for risk analysis in real life exposures. Uncertainties of the present status and future needs." Medical Research Center Ekaterinburg, International Nanotechnology Conference, 21 October, 2016, Russia.
37. "Introduction to toxicology and risk assessment of biomaterials." Biotechnology Conference in Siberian Federal University, 13 October, 2016, Krasnoyarsk, Russia.
38. "Advances on biomonitoring for environmental and lifestyle pollutants." Biotechnology Conference in
39. Federal University, 12 October, 2016, Krasnoyarsk, Russia.
40. "Biomonitoring of pesticides exposure for linking to diseases: The current status, problems and future needs." Pesticides Symposium IUTOX, XIV International Congress of Toxicology in conjunction with the X Mexican Congress of Toxicology, Merida, 2-6 October, 2016, Mexico.
41. "Protecting public and environmental health by understanding and communicating toxicology." 52nd Congress of the European Societies of Toxicology (EUROTOX 2016), 4 September, 2016, Seville, Spain.
42. "Advances on biomonitoring of long-term exposures to psychoactive drugs. The current status and future needs." Shanghai Fudan University and Cancer Institute, 11 August, 2016, China.
43. "Advances on biomonitoring of long-term exposures to psychoactive drugs. The current status and future needs." Crown Plaza Bucharest, 18 June, 2016, Romania.
44. "A toxicology integrated approach to identify causes of deaths and chronic diseases linked to xenobiotics: Evaluating hazards and personalized risks." 2nd FORETOX 2016, 27 May, 2016, Ankara, Turkey.
45. "Carbon nanotubes: Consequences of impurities on methabolic pathways." 7th International Conference Biomaterials and nanobiomaterials. Recent advances Safety-Toxicology and Ecology Issues, BIONANOTOX 2016, 8-15 May, 2016, Crete, Greece.
46. "Development of a kit to measure food antioxidant capacity using a novel chromometer." 35th International Workshop Clinical, Chemical and Biochemical Aspects of Pteridines and Related Topics, 23 February, 2016, Innsbruck, Austria.
47. "Current aspects of publishing in biomedical sciences." Far Eastern Federal University, 20 December, 2015, Vladivostok, Russia.
48. "The challenges of low dose long term exposures to xenobiotics in linking to health effects and risk assessment." Healthy Ministry Medical Research Center, 13 November, 2015, Ekaterinburg, Russia.
49. "Advances on Biomarkers of human exposure to xenobiotics related to health issues: the current status and future needs." All-Russian Conference on Chemical analysis and Medicine, 8 November, 2015, Moscow, Russia.
50. "Low dose long term exposure is linked to various health problems." 9th Congress of the Turkish Society of Toxicology with the Hellenic Society of Toxicology (TURKHELTOX 2015), 21-24 October, 2015, Izmir, Turkey.
51. "EUROTOX in service of toxicology education, research and profession. The past the present and the future of the ERT system and issues of toxicology recognition in Europe." Specialized Toxicology Course Genotoxicity and Carcinogenicity, 19-23 October, 2015, Belgrade, Serbia.
52. "Advances on biomonitoring for long term chemical exposure for linking to health problems and diseases." Far Eastern Federal University, 20 September, 2015, Vladivostok, Russia.
53. "ERT: The European Registered Toxicologist System education, harmonization and recognition issues." Far Eastern Federal University, 21 September, 2015, Vladivostok, Russia.
54. "The challenges of low dose long term exposures to xenobiotics in linking to health effects and risk assessment." 1st Romanian Congress of Toxicology, 17 October, 2015, Bucharest, Romania.
55. "Prenatal long term pesticide exposure and its association with pregnancy problems

- and birth defects.” 51st Congress of the European Societies of Toxicology (EUROTOX 2015), 15 September, 2015, Porto, Portugal.
56. “Environmental exposure and health problems and diseases.” Postgraduate Medical School, 6 June, 2015, Messina, Italy.
  57. “Linking long term low dose exposure to chemicals to health effects and diseases: The current status and future needs.” 6th International Conference (BIONANOTOX 2015). Biomaterials and nanobiomaterials. Recent advances Safety-Toxicology and Ecology Issues, 3-10 May, 2015, Crete, Greece.
  58. “Education in toxicology as the basis for ERT registration and how to become a European Registered Toxicologist through the National Register.” Mashhad University, 16 May, 2015, Iran.
  59. “The challenges of modern analytical chemistry in exposure science and biomonitoring in toxicological issues and risk assessment.” 13th Iranian International Congress of Toxicology, Urmia University, 12-14 May, 2015, Urmia, Iran.
  60. “Update of problems and issues for linking long term low dose exposure to pesticides with health effects and diseases.” F.F. Erisman Federal Research Center for Hygiene, 15 December, 2014, Moscow, Russia.
  61. “Analytical aspects for long-term and acute intoxication in occupational clinical and post mortem toxicology and of biomonitoring studies for linking to diseases.” 1st International Congress and Workshop of Forensic Toxicology, (FORETOX 2014), 29-30 November, 2014, Ankara, Turkey.
  62. “Overview of current aspects for linking environmental exposure to health problems and diseases.” Istanbul University Faculty of Pharmacy, 28 November, 2014, Ankara, Turkey.
  63. “Advancing science for human and environmental health – The 50th EUROTOX Congress.” 50th Congress of the European Societies of Toxicology (EUROTOX 2014), 7-10 September, 2014, Edinburg, UK.
  64. “Advances on Biomonitoring of Environmental Pollutants and pesticides.” 11th Serbian Congress of Toxicology, New Frontiers and Challenges in Toxicology, Sremski Karlovci, 24-27 June, 2014, Serbia.
  65. “Advances on biomarkers of human exposure to Xenobiotics related to health issues: The current status and future needs.” 6th China Medical Biotech Forum, 25 March, 2013, Shenzhen, China.
  66. “Pesticide exposure of agricultural workers in Greece. Biomarkers diversity and variability.” 49th Congress of the European Societies of Toxicology (EUROTOX 2013), 1-4 September, 2013, Interlaken, Switzerland.
  67. “In vivo evaluation of genotoxicity of imidacloprid.” 3rd Russian – Hellenic Symposium with International Participation and Young Scientist’s School (BIONANOTOX 2012), 6-13 May, 2012, Crete, Greece.
  68. “Methods of study of toxicology nanobiomaterials.” 3rd Russian – Hellenic Symposium with International Participation and Young Scientist’s School (BIONANOTOX 2012), 6-13 May, 2012, Crete, Greece.
  69. “Toxicology of pesticides exposure – biomonitoring – exposure – chronic and acute health effects.” EUROTOX Advanced Toxicology Course, 14-18 November, 2011, Kusadasi – Izmir, Turkey.
  70. “Effects on pregnancy, development of embryo and the neonate resulting from the prenatal and chronic exposure to pesticides. Biomarkers and effects on molecular cell and tissue level.” Symposium Lecture 47th Congress of the European Societies of Toxicology (EUROTOX 2011), 28-31 August, 2011, Paris, France.
  71. “Chronic cannabis abuse and prevalence of cognitive disorders.” Symposium Lecture 47th Congress of the European Societies of Toxicology (EUROTOX 2011), 28-31 August, 2011, Paris, France.
  72. “Environmental Security for South-East Europe and Ukraine”, NATO Advanced Research Workshop (ARW) 17-19 May, 2011, Dnepropetrovsk, Ukraine.
  73. “Modern methods in biomonitoring, toxicological analysis and exposure assessment.” 2nd Russian – Hellenic Symposium with International Participation and Young Scientist’s School, (BIONANOTOX 2011), 5-12 May, 2011, Crete, Greece.
  74. “Aggregates of amphiphilic polymers – the important group of nanosized systems.”

- 2nd Russian – Hellenic Symposium with International Participation and Young Scientist’s School, (BIONANOTOX 2011), 5-12 May, 2011, Crete, Greece.
75. “Twenty years of Russian-Greek Collaboration in the area of Biomaterials.” 1st Russian – Hellenic Symposium with International Participation and Young Scientist’s School, (BIONANOTOX 2010), 3-9 May, 2010, Crete, Greece.
  76. “Assessment of exposure and risks from Bionanomaterials.” 1st Russian – Hellenic Symposium with International Participation and Young Scientist’s School, (BIONANOTOX 2010), 3-9 May, 2010, Crete, Greece.
  77. “Toxic Effects, biomonitoring and biomarkers of susceptibility for pesticides and drugs of abuse.” EUROTOX–Basic Toxicology Course, 18-23 October, 2010, Crete, Greece.
  78. “Concepts in food toxicology: Emerging risks and risk assessment of Mediterranean diet.” Advanced Toxicology Course, CEC Lecture, Medical Academy, 8-12 November, 2010, Sofia, Bulgaria.
  79. “Biomarkers of Genetic susceptibility for Pesticides.” XII International Congress of Toxicology, (IUTOX-2010), CEC Lecture, 11 - 15 July, 2010, Barcelona, Spain.
  80. “Biomarkers and Biological Monitoring.” Plenary Lecture In: Program 7th CTDC, Congress Of Toxicology In Developing Countries, 6-10 September, 2009, Sun City, South Africa.
  81. “Assessment of Exposure to Organochlorine and Organophosphate Pesticides in Greek Population.” Medical Management of Chemical and Biological Casualties International Symposium, Military Medical Academy, 27-28 April, 2009, Sofia, Bulgaria.
  82. “Human Monitoring of Chemical Exposure. Continuing Educational Course (CEC), Biomarkers and Biological Monitoring.” Program 7th CTDC, Congress of Toxicology in Developing Countries, 6-10 September, 2009, Sun City, South Africa.
  83. “Pesticide Issues Related to Health in the Industrially World and in Developing Countries.” Symposium Invited Lecture, 46th Congress of the European Societies of Toxicology (EUROTOX 2009), 12-16 September, 2009, Dresden, Germany.
  84. “Advances on Pesticides Biomonitoring.” International Congress on Rural Health, Keynote Lecture, 13-16 October, 2009, Cartagena, Colombia.
  85. “Genetic and Clinical Findings Related to Pesticide Exposure in Rural Population” Workshop Lecture International Conference on Rural Health, Department of Occupational Health of the University of Milan, San Paolo Hospital, April 2008, Milan, Italy.
  86. “Assessing Chronic Exposure to Anti-Cholinesterase Agents by Analysis of Hair.” Workshop Lecture NATO Advanced Research Workshop, “Counteraction of Chemical and Biological Terrorism at a National and Local Level in Europe”, 14-17 October, 2008, Dnepropetrovsk, Ukraine.
  87. “Emerging Innovative Technologies in Forensic and Clinical Toxicology.” Continuing Educational Courses and Assessing Chronic Exposure for Drugs of Abuse. Symposium Lecture, 45th Congress of the European Societies of Toxicology (EUROTOX 2008), 5-8 October, 2008, Rhodes Greece.
  88. “Assessing Long-term Exposure for Drugs of Abuse by Analysis of Hair.” Symposium Lecture, 45th Congress of the European Societies of Toxicology (EUROTOX 2008), 5-8 October, 2008, Rhodes Greece.
  89. “Modern Trends and Analytical methods in Toxicology.” Invited CEC Lecture. D. Mendelejev University of Chemical Technology of Russia, Jan 2007, Moscow.
  90. “Assessing long term exposure to environmental pollutants and pesticides by hair analysis.” Panel Discussion on QA/QC accreditation and interpretation issues. Annual Meeting of Society of hair testing, May 2007, Cardiff, U.K.
  91. “Presentation of scientific and organization issues of EUROTOX 2008.” International Congress of Toxicology IX (ICT XI) IUTOX, 15-19 July, 2007, Montreal, Canada.
  92. “Biomarkers of susceptibility to pesticides. Inauguration Ceremony.” International Congress for Rural Health, Plenary Lecture, 22 November, 2007, Milan, Italy.
  93. “Disposition of toxic xenobiotics in tissues of human reproductive system.” EUROTOX 2006 joined CTDX Congress of Toxicology, September, 2006, Cavtat, Croatia.
  94. “Hair testing and pubic hair testing for drugs of abuse for legal purposes in Crete.”

- CEC Lecture. Russian Academy of Sciences. Institute Molecular Medicine, May, 2006, Moscow.
95. "Biomonitoring for drugs abuse using unconventional samples." 45th Congress of Association of European Societies of Toxicology, (EUROTOX 2005), 11-14 September, 2005, Cracow, Poland.
  96. "Current advances on hair analysis for drugs, pollutants and pesticides for the evaluation of chronic exposure." Symposium Lecture in International Congress on Education and Sustainable Development, National Academy of Russia, 15-19 November, 2004, Moscow, Russia.
  97. "Monitoring of pesticides in non conventional biosamples for the assessment of exposure and relation to toxicological effects." Keynote Lecture, International Pesticide Conference Centre for Pesticide and Health Risk Prevention (ICPR) University Hospital Luigi Sacco, 23 October, 2004, Italy.
  98. "Monitoring and assessment of toxicological effects to man from the use of pesticides in Greece." Plenary Lecture, 5th International Congress of Turkish Society of Toxicology (CTOX), 30 October-2 November, 2003, Antalya, Turkey.
  99. "Human Monitoring and Assessment of Toxicological Effects from the Use of Pesticides in Crete and Greece." AROICON-2003, Invited symposium Lecture in International Congress on Radiology Oncology, 20-23 November, 2003, Kochi, Kerala, India.
  100. "Assessment of addiction for drugs of abuse: Laboratory instrumental analysis of non conventional biosamples." Research Institute on Molecular Medicine, Department of Toxicology, CEC Lecture 21. November, 2003, Moscow, Russia.
  101. "Mammography and hair testing findings in women occupationally exposed to pesticides." Symposium lecture in (IAAMH) International Conference of the Internal Association of Agriculture Medicine and Rural Health in Mediterranean and Balkan Countries, 13-16 November, 2002, Bari, Italy.
  102. "Analytical aspects of pesticide monitoring in biological samples." WHO/IPCS Poisons Information monographs (PIMs) working Group Invited Workshop Expert. Meeting of the INTOX Program/ pesticide project, 18-20 Dec 2002, Penang, Malaysia.
  103. "The place of sectional hair testing in judicial and epidemiological applications." Invited Workshop Lecture, Copernicus Immunoanalysis Project Partners Meeting, Lomonosov University, Institute Molecular Medicine, 01 July, 2001, Moscow, Russia.
  104. "Interpretation of hair testing results." Workshop of the Society Hair Testing (SHT), Panel Discussion dose/response relationships. Invited Panel Expert, 01 June, 2001, Bordeaux, France.
  105. "Clinical and judicial applications of sectional hair testing." Invited Continuing Educational Course (CEC), Lecture, Moscow Medical Academy, Laboratory of Toxicology and Pharmacognosy, February 2001, Moscow, Russia.
  106. "Judicial, epidemiological and clinical applications of sectional hair testing." 5th World Congress on Advance in Oncology and 3rd International Symposium on Molecular Medicine, 19-21 October, 2000, Crete, Greece.
  107. "Current toxico-clinical, analytical and modificational aspects of xenobiotics (pesticides and drugs)." Symposium keynote Lecture in 5th International Congress of Turkish Society of Toxicology (CTOX), Oct 30-Nov 2, 2000, Antalya, Turkey.
  108. "Sectional hair testing. Judicial and clinical applications." Plenary Lecture. 4th Congress of Toxicology CTOX-DC, Nov 1999, Antalya, Turkey.
  109. "Laboratory evaluation of toxicomania using sectional hair testing." 15th Congress of the International Association of Forensic Sciences (IAFS), August 1999, LA, California, USA.

#### Research Publications in peer-reviewed journals

1. Dinca V, Docea AO, Drocas AI, Nikolouzakis TK, Stivaktakis PD, Nikitovic D, Golokhvast KS, Hernandez AF, Calina D, **Tsatsakis A**. A mixture of 13 pesticides, contaminants, and food additives below individual NOAELs produces histopathological and organ weight changes in rats. *Arch Toxicol.* 2023 Mar 9. doi: 10.1007/s00204-023-03455-x.
2. Sevim Ç, Akpınar E, Aksu EH, Ömür AD, Yıldırım S, Kara M, Bolat İ, **Tsatsakis A**, Mesnage R, Golokhvast KS, Uzunçakmak SK, Ersoylu RN. Reproductive Effects of *S. boulardii* on Sub-Chronic Acetamiprid and Imidacloprid Toxicity in Male Rats. *Toxics*.

- 2023 Feb 12;11(2):170. doi: 10.3390/toxics11020170.
3. Pikula K, Kirichenko K, Chernousov V, Parshin S, Masyutin A, Parshina Y, Pogodaev A, Gridasov A, **Tsatsakis A**, Golokhvast K. The Impact of Metal-Based Nanoparticles Produced by Different Types of Underwater Welding on Marine Microalgae. *Toxics*. 2023 Jan 22;11(2):105. doi: 10.3390/toxics11020105.
  4. Topal I, Özdamar MY, Catakli T, Malkoc İ, Hacimuftuoglu A, Mamoulakis C, **Tsatsakis A**, Tsarouhas K, Tsitsimpikou C, Taghizadehghalehjoughi A. Renoprotective Effect of Taxifolin in Paracetamol-Induced Nephrotoxicity: Emerging Evidence from an Animal Model. *J Clin Med*. 2023 Jan 22;12(3):876. doi: 10.3390/jcm12030876.
  5. Dardiotis E, Skouras P, Varvarelis OP, Aloizou AM, Hernández AF, Liampas I, Rikos D, Dastamani M, Golokhvast KS, Bogdanos DP, **Tsatsakis A**, Siokas V, Mitsias PD, Hadjigeorgiou GM. Pesticides and tremor: An overview of association, mechanisms and confounders. *Environ Res*. 2023 Feb 7:115442. doi: 10.1016/j.envres.2023.115442.
  6. Tyshko NV, Nikitin NS, Shestakova SI, Sadykova EO, Trebukh MD, Guseva GV, Trusov NV, Aksenov IV, Golokhvast KS, **Tsatsakis A**, Tutelyan VA. Systemic Biomarkers and Liver Morphology in Rats during Chronic Low-Dose Toxicant Administration against the Background of Vitamin Deficiency. *Bull Exp Biol Med*. 2023 Jan;174(3):365-369. doi: 10.1007/s10517-023-05709-1.
  7. Genc S, Taghizadehghalehjoughi A, Yeni Y, Jafarizad A, Hacimuftuoglu A, Nikitovic D, Docea AO, Mezhuev Y, **Tsatsakis A**. Fe<sub>3</sub>O<sub>4</sub> Nanoparticles in Combination with 5-FU Exert Antitumor Effects Superior to Those of the Active Drug in a Colon Cancer Cell Model. *Pharmaceutics*. 2023 Jan 11;15(1):245. doi: 10.3390/pharmaceutics15010245.
  8. Anesti O, Papaioannou N, Gabriel C, Karakoltzidis A, Dzhezheia V, Petridis I, Stratidakis A, Dickinson M, Horvat M, Snoj Tratnik J, **Tsatsakis A**, Karakitsios S, Sarigiannis DA. An exposome connectivity paradigm for the mechanistic assessment of the effects of prenatal and early life exposure to metals on neurodevelopment. *Front Public Health*. 2023 Jan 9;10:871218. doi: 10.3389/fpubh.2022.871218.
  9. Calina D, Docea AO, Hernández AF, **Tsatsakis AM**, Mardare I. Editorial: Anthropogens, lifestyle and pathophysiology of chronic diseases: From mutual interplay to translational research and personalized medicine. *Front Med (Lausanne)*. 2022 Dec 23;9:1120066. doi: 10.3389/fmed.2022.1120066.
  10. Mititelu M, Udeanu DI, Docea AO, **Tsatsakis A**, Calina D, Arsene AL, Nedelescu M, Neacsu SM, Bruno Ștefan Velescu, Ghica M. New method for risk assessment in environmental health: The paradigm of heavy metals in honey. *Environ Res*. 2022 Dec 30:115194. doi: 10.1016/j.envres.2022.115194.
  11. Fragkiadoulaki E, **Tsatsakis A**, Nikitovic D, Georgiadis G, Kalogeraki A, Kaloudis K, Alekkakis A, Karzi V, Mamoulakis C. Resveratrol and lycopene ameliorate contrast-induced nephropathy in a rabbit model. *Hum Exp Toxicol*. 2022 Jan-Dec;41:9603271221145355. doi: 10.1177/09603271221145355.
  12. Cicek B, Genc S, Yeni Y, Kuzucu M, Cetin A, Yildirim S, Bolat I, Kantarci M, Hacimuftuoglu A, Lazopoulos G, **Tsatsakis A**, Tsarouhas K, Taghizadehghalehjoughi A. Artichoke (*Cynara Scolymus*) Methanolic Leaf Extract Alleviates Diethylnitrosamine-Induced Toxicity in BALB/c Mouse Brain: Involvement of Oxidative Stress and Apoptotically Related Klotho/PPAR $\gamma$  Signaling. *J Pers Med*. 2022 Dec 4;12(12):2012. doi: 10.3390/jpm12122012.
  13. Caruntu C, **Tsatsakis AM**, Tampa M, Georgescu SR, Gonzalez S. Editorial: Recent advances in keratinocyte carcinomas: From molecular mechanisms to clinical perspectives. *Front Med (Lausanne)*. 2022 Nov 3;9:1078020. doi: 10.3389/fmed.2022.1078020.
  14. Alehashem M, Mamet S, Hogan N, Hecker M, Florou D, **Tsatsakis A**, Siciliano S. Correlation between in vitro toxicity of pesticides and in vivo risk guidelines in support of complex operating site risk management: A meta-analysis. *Food Chem Toxicol*. 2022 Oct 29;170:113502. doi: 10.1016/j.fct.2022.113502.
  15. Onishchenko G, Nikolayeva N, Rakitskii V, Ilnitskaya A, Filin A, Korolev A, Nikitenko E, Denisova E, Tsakalof A, Guseva E, Kuzmin S, **Tsatsakis A**. Comprehensive study of health effects of plasma technology occupational environment: Exposure to high frequency and intensity noise and toxic gases. *Environ Res*. 2023 Jan 1;216(Pt 3):114691. doi: 10.1016/j.envres.2022.114691.

16. Avci S, Gunaydin S, Ari NS, Karaca Sulukoglu E, Polat OE, Gecili I, Yeni Y, Yilmaz A, Genc S, Hacimuftuoglu A, Yildirim S, Mokresh MY, Findik DG, **Tsatsakis A**, Margina D, Tsarouhas K, Wallace DR, Taghizadehghalehjoughi A. Cerebrolysin Alleviating Effect on Glutamate-Mediated Neuroinflammation Via Glutamate Transporters and Oxidative Stress. *J Mol Neurosci*. 2022 Nov 4. doi: 10.1007/s12031-022-02078-8.
17. Taghizadeh SF, Karimi G, Tzatzarakis M, Tsakiris I, Ahmadpourmir H, Azizi M, Afshari A, Ghorani V, Yarmohammadi F, **Tsatsakis A**, Rezaee R. Probabilistic risk assessment of exposure to multiple metals and pesticides through consumption of fruit juice samples collected from Iranian market. *Food Chem Toxicol*. 2022 Oct 29;170:113493. doi: 10.1016/j.fct.2022.113493.
18. Artyukhov AA, Nechaeva AM, Shtilman MI, Chistyakov EM, Svistunova AY, Bagrov DV, Kuskov AN, Docea AO, **Tsatsakis AM**, Gurevich L, Mezhevov YO. Nanoaggregates of Biphenyl Carboxyl-Containing Copolymers as Carriers for Ionically Bound Doxorubicin. *Materials (Basel)*. 2022 Oct 13;15(20):7136. doi: 10.3390/ma15207136.
19. Taghizadeh H, Taghizadehghalehjoughi A, Yildirim S, Ozkaraca M, Genc S, Yeni Y, Mokresh MY, Hacimuftuoglu A, **Tsatsakis A**, Tsarouhas K. Deteriorated Vascular Homeostasis in Hypertension: Experimental Evidence from Aorta, Brain, and Pancreatic Vasculature. *J Pers Med*. 2022 Sep 28;12(10):1602. doi: 10.3390/jpm12101602.
20. Berdiaki A, Kuskov AN, Kulikov PP, Thrapsanioti LN, Giatagana EM, Stivaktakis P, Shtilman MI, **Tsatsakis A**, Nikitovic D. In Vitro Assessment of Poly-N-Vinylpyrrolidone/Acrylic Acid Nanoparticles Biocompatibility in a Microvascular Endothelium Model. *Int J Mol Sci*. 2022 Oct 18;23(20):12446. doi: 10.3390/ijms232012446.
21. Yazdanpanah H, Kobarfard F, Tsitsimpikou C, Eslamizad S, Alehashem M, **Tsatsakis A**. Health risk assessment of process-related contaminants in bread. *Food Chem Toxicol*. 2022 Oct 17;170:113482. doi: 10.1016/j.fct.2022.113482.
22. Vivarelli S, Costa C, Teodoro M, Giambò F, **Tsatsakis AM**, Fenga C. Polyphenols: a route from bioavailability to bioactivity addressing potential health benefits to tackle human chronic diseases. *Arch Toxicol*. 2022 Oct 19. doi: 10.1007/s00204-022-03391-2.
23. Stavroulaki A, Tzatzarakis MN, Karzi V, Katsikantami I, Renieri E, Vakonaki E, Avgenaki M, Alegakis A, Stan M, Kavvalakis M, Rizos AK, **Tsatsakis A**. Antibiotics in Raw Meat Samples: Estimation of Dietary Exposure and Risk Assessment. *Toxics*. 2022 Aug 6;10(8):456. doi: 10.3390/toxics10080456.
24. Doukas SG, Vageli DP, Doukas PG, Nikitovic D, **Tsatsakis A**, Judson BL. The Effect of Tobacco Smoke N-Nitrosamines, NNK and NDEA, and Nicotine, on DNA Mismatch Repair Mechanism and miRNA Markers, in Hypopharyngeal Squamous Cell Carcinoma: An In Vivo Model and Clinical Evidence. *Curr Oncol*. 2022 Aug 4;29(8):5531-5549. doi: 10.3390/curroncol29080437.
25. Celebi D, Taghizadehghalehjoughi A, Baser S, Genc S, Yilmaz A, Yeni Y, Yesilyurt F, Yildirim S, Bolat I, Kordali S, Yilmaz F, Hacimuftuoglu A, Celebi O, Margina D, Nitulescu GM, Spandidos DA, **Tsatsakis A**. Effects of boric acid and potassium metaborate on cytokine levels and redox stress parameters in a wound model infected with methicillin-resistant *Staphylococcus aureus*. *Mol Med Rep*. 2022 Sep;26(3):294. doi: 10.3892/mmr.2022.12809.
26. Genc S, Pennisi M, Yeni Y, Yildirim S, Gattuso G, Altinoz MA, Taghizadehghalehjoughi A, Bolat I, **Tsatsakis A**, Hacimuftuoglu A, Falzone L. Potential Neurotoxic Effects of Glioblastoma-Derived Exosomes in Primary Cultures of Cerebellar Neurons via Oxidant Stress and Glutathione Depletion. *Antioxidants (Basel)*. 2022 Jun 23;11(7):1225. doi: 10.3390/antiox11071225.
27. Agathokleous E, Barceló D, Aschner M, Azevedo RA, Bhattacharya P, Costantini D, Cutler GC, De Marco A, Docea AO, Dórea JG, Duke SO, Efferth T, Fatta-Kassinos D, Fotopoulos V, Ginebreda A, Guedes RNC, Hayes AW, Iavicoli I, Kalantzi OI, Koike T, Kouretas D, Kumar M, Manautou JE, Moore MN, Paoletti E, Peñuelas J, Picó Y, Reiter RJ, Rezaee R, Rinklebe J, Rocha-Santos T, Sicard P, Sonne C, Teaf C, **Tsatsakis A**, Vardavas AI, Wang W, Zeng EY, Calabrese EJ. Rethinking Subthreshold Effects in Regulatory Chemical Risk Assessments. *Environ Sci Technol*. 2022 Jul 25. doi: 10.1021/acs.est.2c02896.
28. Kara M, Öztaş E, Boran T, Sevim Ç, Keskin SE, Veskoukis AS, Kuzmin SV, **Tsatsakis AM**.

- The sesquiterpenoid valerenic acid protects neuronal cells from the detrimental effects of the fungicide benomyl on apoptosis and DNA oxidation. *Hum Exp Toxicol*. 2022 Jan-Dec;41:9603271221101038. doi: 10.1177/09603271221101038.
29. Skalny AV, Serebryansky EP, Korobeinikova TV, **Tsatsakis A**, Vardavas C, Paoliello MMB, Sotnikova TI, Aschner M, Tinkov AA. Smoking is associated with altered serum and hair essential metal and metalloid levels in women. *Food Chem Toxicol*. 2022 Jun 18;167:113249. doi: 10.1016/j.fct.2022.113249.
  30. Kuskov A, Nikitovic D, Berdiaki A, Shtilman M, **Tsatsakis A**. Amphiphilic Poly-N-vinylpyrrolidone Nanoparticles as Carriers for Nonsteroidal, Anti-Inflammatory Drugs: Pharmacokinetic, Anti-Inflammatory, and Ulcerogenic Activity Study. *Pharmaceutics*. 2022 Apr 24;14(5):925. doi: 10.3390/pharmaceutics14050925.
  31. Zisis IE, Georgiadis G, Docea AO, Calina D, Cercelaru L, Tsiaoussis J, Lazopoulos G, Sofikitis N, **Tsatsakis A**, Mamoulakis C. Renoprotective Effect of Vardenafil and Avanafil in Contrast-Induced Nephropathy: Emerging Evidence from an Animal Model. *J Pers Med*. 2022 Apr 22;12(5):670. doi: 10.3390/jpm12050670.
  32. Karzi V, Tzatzarakis MN, Alegakis A, Vakonaki E, Fragkiadoulaki I, Kaloudis K, Chalkiadaki C, Apalaki P, Panagiotopoulou M, Kalliantasi A, Kouretas D, Docea AO, Calina D, **Tsatsakis A**. In Vivo Estimation of the Biological Effects of Endocrine Disruptors in Rabbits after Combined and Long-Term Exposure: Study Protocol. *Toxics*. 2022 May 12;10(5):246. doi: 10.3390/toxics10050246.
  33. Kavasi RM, Neagu M, Constantin C, Munteanu A, Surcel M, **Tsatsakis A**, Tzanakakis GN, Nikitovic D. Matrix Effectors in the Pathogenesis of Keratinocyte-Derived Carcinomas. *Front Med (Lausanne)*. 2022 Apr 29;9:879500. doi: 10.3389/fmed.2022.879500.
  34. Vardakas P, Veskoukis AS, Rossiou D, Gournikis C, Kapetanopoulou T, Karzi V, Docea AO, **Tsatsakis A**, Kouretas D. A Mixture of Endocrine Disruptors and the Pesticide Roundup® Induce Oxidative Stress in Rabbit Liver When Administered under the Long-Term Low-Dose Regimen: Reinforcing the Notion of Real-Life Risk Simulation. *Toxics*. 2022 Apr 14;10(4):190. doi: 10.3390/toxics10040190.
  35. Gonkowski S, Tzatzarakis M, Vakonaki E, Makowska K, **Tsatsakis AM**, Wojtkiewicz J. The Presence of Triclosan in Human Hair Samples in Poland-A Pilot Study. *Int J Environ Res Public Health*. 2022 Mar 23;19(7):3796. doi: 10.3390/ijerph19073796.
  36. Dimitrakis E, Katsarou MS, Lagiou M, Papastefanopoulou V, Stanitsa E, Spandidos DA, **Tsatsakis A**, Papageorgiou S, Moutsatsou P, Antoniou K, Kroupis C, Drakoulis N. Association of vitamin D receptor gene TaqI polymorphism with Alzheimer's disease in a Southeastern European Caucasian population. *Exp Ther Med*. 2022 May;23(5):341. doi: 10.3892/etm.2022.11271.
  37. Siokas V, Aloizou AM, Liampas I, Bakirtzis C, Nasios G, Paterakis K, Sgantzios M, Bogdanos DP, Spandidos DA, **Tsatsakis A**, Mitsias PD, Dardiotis E. Lack of an association between SCFD1 rs10139154 polymorphism and amyotrophic lateral sclerosis. *Mol Med Rep*. 2022; 25(4):146. doi: 10.3892/mmr.2022.12662.
  38. Yeni Y, Cakir Z, Hacimuftuoglu A, Taghizadehghalehjoughi A, Okkay U, Genc S, Yildirim S, Saglam YS, Calina D, **Tsatsakis A**, Docea AO. A Selective Histamine H4 Receptor Antagonist, JNJ7777120, Role on glutamate Transporter Activity in Chronic Depression. *J Pers Med*. 2022; 12(2):246. doi: 10.3390/jpm12020246.
  39. Aschner M, Mesnage R, Docea AO, Paoliello MMB, **Tsatsakis A**, Giannakakis G, Papadakis GZ, Vinceti SR, Santamaria A, Skalny AV, Tinkov AA. Leveraging artificial intelligence to advance the understanding of chemical neurotoxicity. *Neurotoxicology*. 2022; 89:9-11. doi: 10.1016/j.neuro.2021.12.007.
  40. Agathokleous E, Barceló D, Iavicoli I, **Tsatsakis A**, Calabrese EJ. Disinfectant-induced hormesis: An unknown environmental threat of the application of disinfectants to prevent SARS-CoV-2 infection during the COVID-19 pandemic? *Environ Pollut*. 2022; 292(Pt B):118429. doi: 10.1016/j.envpol.2021.118429.
  41. Bello JH, Khan MJ, Amir S, Kakakheh HG, Tahir F, Sultan S, Raza SQ, Mamoulakis C, Zachariou A, **Tsatsakis A**, Sofikitis N, Shah STA. Dysregulation of mitochondrial sirtuin genes is associated with human male infertility. *Andrologia*. 2022; 54(1): e14274. doi: 10.1111/and.14274.
  42. Karaulov AV, Smolyagin AI, Mikhailova IV, Stadnikov AA, Ermolina EV, Filippova YV, Kuzmicheva NA, Vlata Z, Djordjevic AB, Tsitsimpikou C, Hartung T, Hernandez AF, **Tsatsakis A**. Assessment of the combined effects of chromium and benzene on the rat

- neuroendocrine and immune systems. *Environ Res.* 2022; 207: 112096. doi: 10.1016/j.envres.2021.112096.
43. Kostoff RN, Briggs MB, Kanduc D, Shores DR, Kovatsi L, Drakoulis N, Porter AL, **Tsatsakis A**, Spandidos DA. Contributing factors common to COVID-19 and gastrointestinal cancer. *Oncol Rep.* 2022; 47(1): 16. doi: 10.3892/or.2021.8227.
  44. Giatagana EM, Berdiaki A, **Tsatsakis A**, Tzanakakis GN, Nikitovic D. Lumican in Carcinogenesis-Revisited. *Biomolecules.* 2021; 11(9): 1319. doi: 10.3390/biom11091319.
  45. Rezaee R, Sheidary A, Jangjoo S, Ekhtiary S, Bagheri S, Kohkan Z, Dadres M, Oana Docea A, Tsarouhas K, Sarigiannis DA, Karakitsios S, **Tsatsakis A**, Kovatsi L, Hashemzaei M. Cardioprotective effects of hesperidin on carbon monoxide poisoned in rats. *Drug Chem Toxicol.* 2021; 44(6): 668-673. doi: 10.1080/01480545.2019.1650753.
  46. Karaulov AV, Smolyagin AI, Mikhailova IV, Stadnikov AA, Ermolina EV, Filippova YV, Kuzmicheva NA, Vlata Z, Djordjevic AB, Tsitsimpikou C, Hartung T, Hernandez AF, **Tsatsakis A**. Assessment of the combined effects of chromium and benzene on the rat neuroendocrine and immune systems. *Environ Res.* 2021; 5: 112096. doi: 10.1016/j.envres.2021.112096.
  47. Calina D, Hernández AF, Hartung T, Egorov AM, Izotov BN, Nikolouzakis TK, **Tsatsakis A**, Vlachoyiannopoulos PG, Docea AO. Challenges and Scientific Prospects of the Newest Generation of mRNA-Based Vaccines against SARS-CoV-2. *Life (Basel).* 2021; 11(9): 907. doi: 10.3390/life11090907.
  48. Vardavas CI, Girvalaki C, Odani S, Nikitara K, de Vries I, van Riel A, van Sommeren-de Potter I, Grass JN, Grassi MC, Deim S, Balázs A, Fosztó S, Schiel H, Arif T, Eronen AK, Alonso AA, Menor JLC, Arrieta RM, Babić Ž, Turk R, Vardavas AI, **Tsatsakis A**. Profile of incidental exposures to e-cigarette liquids in Europe, 2018-2019. *Hum Exp Toxicol.* 2021; 40(6): 1045-1050. doi: 10.1177/0960327120975828.
  49. Kholodov AS, Tarasenko IA, Zinkova EA, Teodoro M, Docea AO, Calina D, **Tsatsakis A**, Golokhvast KS. The Study of Airborne Particulate Matter in Dalnegorsk Town. *Int J Environ Res Public Health.* 2021; 18(17): 9234. doi: 10.3390/ijerph18179234.
  50. Barile FA, Berry SC, Blaauboer B, Boobis A, Bolt HM, Borgert C, Dekant W, Dietrich D, Domingo JL, Galli CL, Gori GB, Greim H, Hengstler JG, Heslop-Harrison P, Kacew S, Marquardt H, Mally A, Pelkonen O, Savolainen K, Testai E, **Tsatsakis A**, Vermeulen NP. The EU chemicals strategy for sustainability: in support of the BfR position. *Arch Toxicol.* 2021; 95(9): 3133-3136. doi: 10.1007/s00204-021-03125-w.
  51. Tsoukalas D, Buga AM, Docea AO, Sarandi E, Mitrut R, Renieri E, Spandidos DA, Rogoveanu I, Cercelaru L, Niculescu M, **Tsatsakis A**, Calina D. Reversal of brain aging by targeting telomerase: A nutraceutical approach. *Int J Mol Med.* 2021; 48(5): 199. doi: 10.3892/ijmm.2021.5032.
  52. **Tsatsakis A**, Vakonaki E, Tzatzarakis M, Flamourakis M, Nikolouzakis TK, Poulas K, Papazoglou G, Hatzidaki E, Papanikolaou NC, Drakoulis N, Iliaki E, Goulielmos GN, Kallionakis M, Lazopoulos G, Kteniadakis S, Alegkakis A, Farsalinos K, Spandidos DA. Immune response (IgG) following full inoculation with BNT162b2 COVID-19 mRNA among healthcare professionals. *Int J Mol Med.* 2021; 48(5): 200. doi: 10.3892/ijmm.2021.5033.
  53. Stanescu PO, Radu IC, Leu Alexa R, Hudita A, Tanasa E, Ghitman J, Stoian O, **Tsatsakis A**, Gingham O, Zaharia C, Shtilman M, Mezhev Y, Galateanu B. Novel chitosan and bacterial cellulose biocomposites tailored with polymeric nanoparticles for modern wound dressing development. *Drug Deliv.* 2021; 28(1): 1932-1950. doi: 10.1080/10717544.2021.1977423.
  54. Kuskov AN, Luss AL, Gritskova IA, Shtilman MI, Motyakin MV, Levina II, Nechaeva AM, Sizova OY, **Tsatsakis AM**, Mezhev YO. Kinetics and Mechanism of Synthesis of Carboxyl-Containing N-Vinyl-2-Pyrrolidone Telechelics for Pharmacological Use. *Polymers (Basel).* 2021; 13(15): 2569. doi: 10.3390/polym13152569.
  55. Kostoff RN, Calina D, Kanduc D, Briggs MB, Vlachoyiannopoulos P, Svistunov AA, **Tsatsakis A**. Why are we vaccinating children against COVID-19? *Toxicol Rep.* 2021; 8: 1665-1684. doi: 10.1016/j.toxrep.2021.08.010.
  56. Sevim Ç, Özkaraca M, Kara M, Ulaş N, Mendil AS, Margina D, **Tsatsakis A**. Apoptosis is induced by sub-acute exposure to 3-MCPD and glycidol on Wistar Albino rat brain cells. *Environ Toxicol Pharmacol.* 2021; 87: 103735. doi: 10.1016/j.etap.2021.103735.

57. Agathokleous E, Barceló D, Iavicoli I, **Tsatsakis A**, Calabrese EJ. Disinfectant-induced hormesis: An unknown environmental threat of the application of disinfectants to prevent SARS-CoV-2 infection during the COVID-19 pandemic? *Environ Pollut.* 2021; 292: 118429. doi: 10.1016/j.envpol.2021.118429.
58. Bello JH, Khan MJ, Amir S, Kakakhel HG, Tahir F, Sultan S, Raza SQ, Mamoulakis C, Zachariou A, **Tsatsakis A**, Sofikitis N, Shah STA. Dysregulation of mitochondrial sirtuin genes is associated with human male infertility. *Andrologia.* 2021 Oct 18: e14274. doi: 10.1111/and.14274.
59. Giambò F, Leone GM, Gattuso G, Rizzo R, Cosentino A, Cinà D, Teodoro M, Costa C, **Tsatsakis A**, Fenga C, Falzone L. Genetic and Epigenetic Alterations Induced by Pesticide Exposure: Integrated Analysis of Gene Expression, microRNA Expression, and DNA Methylation Datasets. *Int J Environ Res Public Health.* 2021; 18(16): 8697. doi: 10.3390/ijerph18168697.
60. Nikolouzakis TK, Vakonaki E, Stivaktakis PD, Alegakis A, Berdiaki A, Razos N, Souglakos J, **Tsatsakis A**, Tsiaoussis J. Novel Prognostic Biomarkers in Metastatic and Locally Advanced Colorectal Cancer: Micronuclei Frequency and Telomerase Activity in Peripheral Blood Lymphocytes. *Front Oncol.* 2021; 11:683605. doi: 10.3389/fonc.2021.683605.
61. Skalny AV, Aschner M, Bobrovniksky IP, Chen P, **Tsatsakis A**, Paoliello MMB, Buha Djordjevic A, Tinkov AA. Environmental and health hazards of military metal pollution. *Environ Res.* 2021; 201:111568. doi: 10.1016/j.envres.2021.111568. Epub ahead of print.
62. Hartung T, **Tsatsakis AM**. The state of the scientific revolution in toxicology. *ALTEX.* 2021;38(3):379-386. doi: 10.14573/altex.2106101. Epub 2021 Jun 17.
63. Hudiță A, Radu IC, Zaharia C, Ion AC, Ginghină O, Gălățeanu B, Măruțescu L, Grama F, **Tsatsakis A**, Gurevich L, Costache M. Bio- and Hemo-Compatible Silk Fibroin PEGylated Nanocarriers for 5-Fluorouracil Chemotherapy in Colorectal Cancer: In Vitro Studies. *Pharmaceutics.* 2021; 13(5):755. doi: 10.3390/pharmaceutics13050755.
64. Tzanakakis GN, Giatagana EM, Berdiaki A, Spyridaki I, Hida K, Neagu M, **Tsatsakis AM**, Nikitovic D. The Role of IGF/IGF-IR-Signaling and Extracellular Matrix Effectors in Bone Sarcoma Pathogenesis. *Cancers (Basel).* 2021; 13(10):2478. doi: 10.3390/cancers13102478.
65. Ginghină O, Hudiță A, Zaharia C, **Tsatsakis A**, Mezhuev Y, Costache M, Gălățeanu B. Current Landscape in Organic Nanosized Materials Advances for Improved Management of Colorectal Cancer Patients. *Materials (Basel).* 2021; 14(9):2440. doi: 10.3390/ma14092440.
66. Kara M, Öztaş E, Boran T, Karaman EF, Veskoukis AS, **Tsatsakis AM**. Ameliorative Effects of the Sesquiterpenoid Valerenic Acid on Oxidative Stress Induced in HepG2 Cells after Exposure to the Fungicide Benomyl. *Antioxidants (Basel).* 2021; 10(5):746. doi: 10.3390/antiox10050746.
67. Li L, Zou T, Liang M, Mezhuev Y, **Tsatsakis AM**, Đorđević AB, Lan M, Liu F, Cai T, Gong P, Cai Y. Screening of metabolites in the treatment of liver cancer xenografts HepG2/ADR by psoralen-loaded lipid nanoparticles. *Eur J Pharm Biopharm.* 2021; 165:337-344. doi: 10.1016/j.ejpb.2021.05.025.
68. Pikula K, Kirichenko K, Vakhniuk I, Kalantzi OI, Kholodov A, Orlova T, Markina Z, **Tsatsakis A**, Golokhvast K. Aquatic toxicity of particulate matter emitted by five electroplating processes in two marine microalgae species. *Toxicol Rep.* 2021; 8:880-887. doi: 10.1016/j.toxrep.2021.04.004.
69. Tinkov AA, Paoliello MMB, Mazilina AN, Skalny AV, Martins AC, Voskresenskaya ON, Aaseth J, Santamaria A, Notova SV, **Tsatsakis A**, Lee E, Bowman AB, Aschner M. Molecular Targets of Manganese-Induced Neurotoxicity: A Five-Year Update. *Int J Mol Sci.* 2021; 22(9):4646. doi: 10.3390/ijms22094646.
70. Skalny AV, Timashev PS, Aschner M, Aaseth J, Chernova LN, Belyaev VE, Grabeklis AR, Notova SV, Lobinski R, **Tsatsakis A**, Svistunov AA, Fomin VV, Tinkov AA, Glybochko PV. Serum Zinc, Copper, and Other Biometals Are Associated with COVID-19 Severity Markers. *Metabolites.* 2021; 11(4):244. doi:10.3390/metabo11040244.
71. Hernández AF, Calina D, Poulas K, Docea AO, **Tsatsakis AM**. Safety of COVID 19 vaccines administered in the EU: Should we be concerned? *Toxicol Rep.* 2021; 8:871-879. doi: 10.1016/j.toxrep.2021.04.003. Epub 2021 Apr 20.

72. **Tsatsakis A**, Tyshko NV, Goumenou M, Shestakova SI, Sadykova EO, Zhminchenko VM, Zlatian O, Calina D, Pashorina VA, Nikitin NS, Trebukh MD, Loginova MS, Trushina EN, Mustafina OK, Avrenyeva LI, Guseva GV, Trusov NV, Kravchenko LV, Hernández AF, Docea AO. Detrimental effects of 6 months exposure to very low doses of a mixture of six pesticides associated with chronic vitamin deficiency on rats. *Food Chem Toxicol*. 2021 Jun; 152:112188. doi: 10.1016/j.fct.2021.112188. Epub 2021 Apr 6.
73. Berdiaki A, Neagu M, Giatagana EM, Kuskov A, **Tsatsakis AM**, Tzanakakis GN, Nikitovic D. Glycosaminoglycans: Carriers and Targets for Tailored Anti-Cancer Therapy. *Biomolecules*. 2021; 11(3):395. doi: 10.3390/biom11030395.
74. Skalny AV, Mazaletskaya AL, Zaitseva IP, Skalny AA, Spandidos DA, **Tsatsakis A**, Lobanova YN, Skalnaya MG, Aschner M, Tinkov AA. Alterations in serum amino acid profiles in children with attention deficit/hyperactivity disorder. *Biomed Rep*. 2021 May;14(5):47. doi: 10.3892/br.2021.1423. Epub 2021 Mar 19.
75. Vardakas P, Skaperda Z, Tekos F, Trompeta AF, **Tsatsakis A**, Charitidis CA, Kouretas D. An integrated approach for assessing the in vitro and in vivo redox- related effects of nanomaterials. *Environ Res*. 2021 Jun; 197:111083. doi: 10.1016/j.envres.2021.111083. Epub 2021 Mar 26.
76. Neagu M, Calina D, Docea AO, Constantin C, Filippini T, Vinceti M, Drakoulis N, Poulas K, Nikolouzakis TK, Spandidos DA, **Tsatsakis A**. Back to basics in COVID-19: Antigens and antibodies-Completing the puzzle. *J Cell Mol Med*. 2021 May;25(10):4523-4533. doi: 10.1111/jcmm.16462. Epub 2021 Mar 18.
77. Calina D, Hartung T, Mardare I, Mitroi M, Poulas K, **Tsatsakis A**, Rogoveanu I, Docea AO. COVID-19 pandemic and alcohol consumption: Impacts and interconnections. *Toxicol Rep*. 2021; 8:529-535. doi: 10.1016/j.toxrep.2021.03.005. Epub 2021 Mar 10.
78. Aloizou AM, Siokas V, Pateraki G, Liampas I, Bakirtzis C, Tsouris Z, Lazopoulos G, Calina D, Docea AO, **Tsatsakis A**, Bogdanos DP, Dardiotis E. Thinking outside the Ischemia Box: Advancements in the Use of Multiple Sclerosis Drugs in Ischemic Stroke. *J Clin Med*. 2021;10(4):630. doi: 10.3390/jcm10040630.
79. Tsoukalas D, Zlatian O, Mitroi M, Renieri E, **Tsatsakis A**, Izotov BN, Burada F, Sosoi S, Burada E, Buga AM, Rogoveanu I, Docea AO, Calina D. A Novel Nutraceutical Formulation Can Improve Motor Activity and Decrease the Stress Level in a Murine Model of Middle-Age Animals. *J Clin Med*. 2021;10(4):624. doi: 10.3390/jcm10040624.
80. Amir S, Tzatzarakis M, Mamoulakis C, Bello JH, Eqani SAMAS, Vakonaki E, Karavitakis M, Sultan S, Tahir F, Shah STA, **Tsatsakis A**. Impact of organochlorine pollutants on semen parameters of infertile men in Pakistan. *Environ Res*. 2021; 195:110832. doi: 10.1016/j.envres.2021.110832.
81. Aschner M, Paoliello MMB, **Tsatsakis A**, Bowman AB, Dorea JG, Hartung T, et al. Social injustice in environmental health: A call for fortitude. *Environ Res*. 2021; 194: 110675.
82. Siokas V, Aloizou A-M, Tsouris Z, Liampas I, Liakos P, Calina D, ... **Tsatsakis A**. ... Dardiotis E. ADORA2A rs5760423 and CYP1A2 rs762551 Polymorphisms as Risk Factors for Parkinson's Disease. *J Clin Med*. 2021; 10(3): 381.
83. Farsalinos K, Poulas K, Kouretas D, Vantarakis A, Leotsinidis M, Kouvelas D, ... **Tsatsakis A**. Improved strategies to counter the COVID-19 pandemic: Lockdowns vs. primary and community healthcare. *Toxicol Reports*. 2021; 8: 1–9.
84. Alexandris N, Lagoumintzis G, Chasapis CT, Leonidas DD, Papadopoulos GE, Tzartos SJ, ... **Tsatsakis A**. ... Farsalinos K. Nicotinic cholinergic system and COVID-19: In silico evaluation of nicotinic acetylcholine receptor agonists as potential therapeutic interventions. *Toxicol Reports*. 2021; 8: 73–83.
85. Iftode A, Drăghici G, Macașoi I, Marcovici I, Coricovac D, Dragoi R, ... **Tsatsakis A**. ... Dehelean C. Exposure to cadmium and copper triggers cytotoxic effects and epigenetic changes in human colorectal carcinoma HT 29 cells. *Exp Ther Med*. 2020; 21.
86. Farsalinos K, Poulas K, Kouretas D, Vantarakis A, Leotsinidis M, Kouvelas D, Docea AO, Kostoff R, Gerotziapas GT, Antoniou MN, Polosa R, Barbouni A, Yiakoumaki V, Giannouchos TV, Bagos PG, Lazopoulos G, Izotov BN, Tutelyan VA, Aschner M, Hartung T, Wallace HM, Carvalho F, Domingo JL, **Tsatsakis A**. Improved Strategies to Counter the COVID-19 Pandemic: Lockdowns vs. Primary and Community Healthcare. *Toxicol Reports* 2020, 8, 1–9.
87. Aschner M, Paoliello MMB, Domingo JL, Spandidos DA, Mally A, Wallace, HM, Rakitskii VN, Hartung T, **Tsatsakis A**. When the Boundaries between Science and Politics Are

- Blurred. *Toxicol. Reports* 2020, 7, 1607.
88. Hashemzaei M, Tabrizian, K Alizadeh Z, Pasandideh S, Rezaee R, Mamoulakis C, **Tsatsakis A**, Skaperda Z, Kouretas D, Shahraki J. Resveratrol, Curcumin and Gallic Acid Attenuate Glyoxal-Induced Damage to Rat Renal Cells. *Toxicol. Reports*. 2020, 7, 1571–1577.
89. Tsoukalas D, Fragoulakis V, Papakonstantinou E, Antonaki M, Vozikis A, **Tsatsakis A**, Buga AM, Mitroi M, Calina, D. Prediction of Autoimmune Diseases by Targeted Metabolomic Assay of Urinary Organic Acids. *Metabolites*. 2020.
90. Kostoff RN, Briggs MB, Porter AL, Hernandez AF, Abdollahi M, Aschner M, **Tsatsakis A**. [Editorial] COVID 19: Post-lockdown guidelines. *Food and Chemical Toxicology*. 2020; 111687.
91. Ilyushina NA, Egorova O V., Masaltsev G V., Averianova NS, Revazova YA, Rakitskii VN, Goumenou M, Vardavas A, Stivaktakis P, **Tsatsakis A**. Genotoxicity of mixture of imidacloprid, imazalil and tebuconazole. *Toxicology Reports*. 2020; 7: 1090–1094.
92. Calina D, Hartung T, Docea AO, Spandidos DA, Egorov AM, Shtilman MI, Carvalho F, **Tsatsakis A**. COVID-19 vaccines: ethical framework concerning human challenge studies. *DARU, Journal of Pharmaceutical Sciences*. 2020.
93. Trivizakis E, Tsiknakis N, Vassalou E, Papadakis G, Spandidos D, Sarigiannis D, **Tsatsakis A**, Papanikolaou N, Karantanas AH, Marias K. Advancing Covid 19 differentiation with a robust preprocessing and integration of multi institutional open repository computer tomography datasets for deep learning analysis. *Experimental and Therapeutic Medicine*. 2020; 20(5):1–1.
94. Kostoff R, Briggs M, Porter A, Spandidos D, **Tsatsakis A**. [Comment] COVID 19 vaccine safety. *International Journal of Molecular Medicine*. 2020; 1599–1602.
95. James SL, Castle CD, Dingels Z V, Fox JT, Hamilton EB, Liu Z, ... **Tsatsakis A**, ... et al. Estimating global injuries morbidity and mortality: methods and data used in the Global Burden of Disease 2017 study. *Injury Prevention*. 2020; 0: 1-29.
96. Berdiaki A, Perysinaki E, Stratidakis A, Kulikov P, Kuskov A, Stivaktakis P, Henrich-Noack P, Luss A, Shtilman M, Tzanakakis G, **Tsatsakis AM**, Nikitovic D. Assessment of amphiphilic poly-N-vinylpyrrolidone nanoparticles' biocompatibility with endothelial cells in vitro and delivery of anti-inflammatory drug. *Molecular Pharmaceutics*. 2020; in press.
97. Hashemzaei M, Mamoulakis C, Tsarouhas K, Georgiadis G, Lazopoulos G, **Tsatsakis A**, Asrami ES, Rezaee R. Crocin: A fighter against inflammation and pain. *Food and Chemical Toxicology*. 2020; 143: 111521.
98. Margină D, Ungurianu A, Purdel C, Nitulescu GM, Tsoukalas D, Sarandi E, Thanasoula M, Burykina TI, Tekos F, Buha A, Nikitovic D, Kouretas D, **Tsatsakis AM**. Analysis of the intricate effects of polyunsaturated fatty acids and polyphenols on inflammatory pathways in health and disease. *Food and Chemical Toxicology*. 2020; 143: 111558.
99. Dehelean CA, Lazureanu V, Coricovac D, Mioc M, Oancea R, Marcovici I, Pinzaru I, Soica C, **Tsatsakis AM**, Cretu O. SARS-CoV-2: Repurposed Drugs and Novel Therapeutic Approaches-Insights into Chemical Structure-Biological Activity and Toxicological Screening. *Journal of Clinical Medicine*. 2020; 9(7).
100. Stancioiu F, Papadakis G, Lazopoulos G, Spandidos D, **Tsatsakis A**, Floroiu M, Badiu C. CD271+ stem cell treatment of patients with chronic stroke. *Experimental and Therapeutic Medicine*. 2020; (8): 2055–62.
101. Tsiknakis N, Trivizakis E, Vassalou E, Papadakis G, Spandidos D, **Tsatsakis A**, Sanchez-Garcia J, Lopez-Gonzalez R, Papanikolaou N, Karantanas AH, Marias K. Interpretable artificial intelligence framework for COVID 19 screening on chest X rays. *Experimental and Therapeutic Medicine*. 2020; 727–35.
102. Calabrese EJ, **Tsatsakis A**, Agathokleous E, Giordano J, Calabrese V. Does Green Tea Induce Hormesis? Dose-Response: An International Journal. 2020; 18(3): 1–13.
103. Aloizou A-M, Siokas V, Sapouni E-M, Sita N, Liampas I, Brotis AG, Rakitskii VN, Burykina TI, Aschner M, Bogdanos DP, **Tsatsakis A**, Hadjigeorgiou GM, Dardiotis E. Parkinson's disease and pesticides: Are microRNAs the missing link? *Science of the Total Environment*. 2020; 744: 140591.
104. Macașoi I, Pavel IZ, Moacă AE, Avram Ștefana, David VL, Coricovac D, Mioc A, Spandidos DA, **Tsatsakis A**, Soica C, Dumitrascu V, Dehelean C. Mechanistic investigations of antitumor activity of a Rhodamine B oleanolic acid derivative

- bioconjugate. *Oncology Reports*. 2020; 44(3): 1169–83.
- 105.Papoutsidakis A, Giatagana EM, Berdiaki A, Spyridaki I, Spandidos DA, **Tsatsakis A**, Tzanakakis GN, Nikitovic D. Lumican mediates HTB94 chondrosarcoma cell growth via an IGF-IR/Erk1/2 axis. *International Journal of Oncology*. 2020; 57(3): 791–803.
- 106.Iordache AM, Buga AM, Albulescu D, Vasile RC, Georgiadis G, Zisis I-E, Mamoulakis C, **Tsatsakis A**, Docea AO, Calina D. Phosphodiesterase-5 inhibitors ameliorate structural kidney damage in a rat model of contrast-induced nephropathy. *Food and Chemical Toxicology*. 2020:111535.
- 107.Ion G, Olaru O, Nitulescu G, Olaru II, **Tsatsakis A**, Burykina TI, Spandidos DA, Nitulescu GM. Improving the odds of success in antitumoral drug development using scoring approaches towards heterocyclic scaffolds. *Oncology Reports*. 2020:589-598.
- 108.Kostoff R, Briggs M, Porter A, Aschner M, Spandidos D, **Tsatsakis A**. [Editorial] COVID 19: Post lockdown guidelines. *International Journal of Molecular Medicine*. 2020:463-466.
- 109.Hooshfar S, Khosrokhavar R, Yazdanpanah H, Eslamizad S, Kobarfard F, Nazari F, Kokaraki V, Kokkinakis M, Goumenou M, Tsitsimpikou C, **Tsatsakis A**. Health Risk Assessment of Aflatoxin M1 in Infant Formula Milk in IR Iran. *Food and Chemical Toxicology*. 2020; 111455.
- 110.Varmazyari A, Taghizadehghalehjoughi A, Sevim C, Baris O, Eser G, Yildirim S, Hacimuftuoglu A, Buha A, Wallace DR, **Tsatsakis A**, Aschner M, Mezhuev Y. Cadmium sulfide-induced toxicity in the cortex and cerebellum: In vitro and in vivo studies. *Toxicology Reports*. 2020; 7: 637–48.
- 111.Margină D, Ungurianu A, Purdel C, Tsoukalas D, Sarandi E, Thanasoula M, Tekos F, Mesnage R, Kouretas D, **Tsatsakis A**. Chronic inflammation in the context of everyday life: Dietary changes as mitigating factors. *International Journal of Environmental Research and Public Health*. 2020; 17(11): 1–30.
- 112.Soares ATG, Silva A de C, Tinkov AA, Khan H, Santamaría A, Skalnaya MG, Skalny AV, **Tsatsakis A**, Bowman AB, Aschner M, Avila AS. The impact of manganese on neurotransmitter systems. *Journal of Trace Elements in Medicine and Biology*. 2020; 61.
- 113.Agathokleous E, Barceló D, **Tsatsakis A**, Calabrese EJ. Hydrocarbon-induced hormesis: 101 years of evidence at the margin? *Environmental Pollution*. 2020; 265: 114846.
- 114.Doukas SG, Vageli DP, Lazopoulos G, Spandidos DA, Sasaki CT, **Tsatsakis A**. The Effect of NNK, A Tobacco Smoke Carcinogen, on the miRNA and Mismatch DNA Repair Expression Profiles in Lung and Head and Neck Squamous Cancer Cells. *Cells*. 2020; 9: 1031.
- 115.Siokas V, Kardaras D, Aloizou A-M, Liampas I, Papageorgiou E, Drakoulis N, **Tsatsakis A**, Mitsias PD, Hadjigeorgiou GM, Tsironi EE, Dardiotis E. CYP1A2 rs762551 and ADORA2A rs5760423 Polymorphisms in Patients with Blepharospasm. *Journal of Molecular Neuroscience*. 2020.
- 116.Igorevna S, Chernyshuk DK, Martinenko NV, Ivachenko LY, Arsene AL, Ercisli S, **Tsatsakis AM**, Golokhvast KS, Nawaz MA. Biochemical Adaptation of Wild and Cultivated Soybean against Toxicity of Lead Salts. *Environmental Toxicology and Pharmacology*. 2020:103429.
- 117.Georgiadis G, Zisis I-E, Docea AO, Tsarouhas K, Fragkiadoulaki I, Mavridis C, Karavitikis M, Stratakis S, Stylianos K, Tsitsimpikou C, Calina D, Sofikitis N, **Tsatsakis A**, Mamoulakis C. Current Concepts on the Reno-Protective Effects of Phosphodiesterase 5 Inhibitors in Acute Kidney Injury: Systematic Search and Review. *Journal of Clinical Medicine*. 2020;9(5):1284.
- 118.**Tsatsakis A**, Petrakis D, Nikolouzakakis TK, Docea AO, Clina D, Vinceti M, Goumenou M, Kostoff RN, Mamoulakis C, Aschner M, Hernandez AF. COVID-19, an opportunity to reevaluate the correlation between long-term effects of anthropogenic pollutants on viral epidemic/pandemic events and prevalence. *Food and Chemical Toxicology*. 2020.
- 119.Dardiotis E, Aloizou AM, Sakalakis E, Siokas V, Koureas M, Xiromerisiou G, Petinaki E, Wilks M, **Tsatsakis A**, Hadjichristodoulou C, Stefanis L, Hadjigeorgiou GM. Organochlorine pesticide levels in Greek patients with Parkinson's disease. *Toxicology Reports*. 2020; 7:596–601.
- 120.Kostoff RN, Aschner M, Goumenou M, **Tsatsakis A**. Setting safer exposure limits for toxic substance combinations. *Food and Chemical Toxicology*. 2020;111346.

- 121.Kara M, Oztas E, Ramazanoğulları R, Kouretas D, Nepka C, **Tsatsakis AM**, Veskoukis AS. Benomyl, a benzimidazole fungicide, induces oxidative stress and apoptosis in neural cells. *Toxicology Reports*. 2020;7(April):501–9.
- 122.Sergieievich AA, Khoroshikh PP, Artemenko AF, Zakharenko AM, Chaika VV., Kodintsev VV., Stroeva OA, Lenda EG, **Tsatsakis A**, Burykina TI, Agathokleous E, Kostoff RN, Zlatian O, Docea AO, Golokhvast KS. Behavioral impacts of a mixture of six pesticides on rats. *Science of the Total Environment*. 2020; 727:138491.
- 123.Hashemzaei M, Rezaee R, Nabatzehi M, Tsarouhas K, Nikolouzakis T, Lazopoulos G, Spandidos DA, **Tsatsakis A**, Shahraki J. Anti hypertensive effect of crocin and hesperidin combination in high fat diet treated rats. *Experimental and Therapeutic Medicine*. 2020;3840–4.
- 124.Farsalinos K, Niaura R, Le Houezec J, Barbouni A, **Tsatsakis A**, Kouretas D, Vantarakis A, Poulas K. Editorial: Nicotine and SARS-CoV-2: COVID-19 may be a disease of the nicotinic cholinergic system. *Toxicology Reports*. 2020;7500(20).
- 125.Veskoukis AS, **Tsatsakis A**, Kouretas D. Approaching reactive species in the frame of their clinical significance: A toxicological appraisal. *Food and Chemical Toxicology* 2020; 138:111206.
- 126.Stanciu AE, Zamfir-Chiru-Anton A, Stanciu MM, Stoian AP, Jinga V, Nitipir C, Bucur A, Pituru TS, Arsene AL, Dragoi CM, Hainarosie R, Nicolae AC, Gherghie M, Gherorghe DC, Spandidos DA, **Tsatsakis A**, Papasavva M, Drakoulis N. Clinical significance of serum melatonin in predicting the severity of oral squamous cell carcinoma. *Oncology Letters*. 2020; 19(2):1537–1543.
- 127.Siokas V, Aslanidou P, Aloizou AM, Peristeri E, Stamati P, Liampas I, Arseniou S, Drakoulis N, Aschner M, **Tsatsakis A**, Mitsias PD, Bogdanos DP, Hadjigeorgiou GM, Dardiotis E. Does the CD33 rs3865444 Polymorphism Confer Susceptibility to Alzheimer’s Disease? *Journal of Molecular Neuroscience*. 2020.
- 128.Sahu SC, **Tsatsakis A**. microRNAs: Potential biomarkers of toxicity: A special issue of the journal *Toxicology Reports*. *Toxicology Reports*. 2020; 7: 198–199.
- 129.Panieri E, Buha A, Telkoparan-akillilar P, Cevik D, Kouretas D, Veskoukis A, Skaperda Z, **Tsatsakis A**, Wallace D, Suzen S, Saso L. Potential applications of NRF2 modulators in cancer therapy. *Antioxidants*. 2020;9, 193.
- 130.Kouka P, Tekos F, Papoutsaki Z, Stathopoulos P, Halabalaki M, Tsantarliotou M, Zervos I, Nepka C, Liesivuori J, Rakitskii VN, **Tsatsakis A**, Veskoukis AS, Kouretas D. Olive oil with high polyphenolic content induces both beneficial and harmful alterations on rat redox status depending on the tissue. *Toxicology Reports*. 2020; 7: 421–432.
- 131.Kostoff RN, Heroux P, Aschner M, **Tsatsakis A**. Adverse health effects of 5G mobile networking technology under real-life conditions. *Toxicology Letters*. 2020; 323: 35–40.
- 132.Kinoshita H, Türkan H, Vucinic S, Naqvi S, Bedair R, Rezaee R, **Tsatsakis A**. Carbon monoxide poisoning. *Toxicology Reports*. 2020; 7: 169–173.
- 133.Kholodov A, Zakharenko A, Drozd V, Chernyshev V, Kirichenko K, Seryodkin I, Karabtsov A, Olesik S, Khvost E, Vakhnyuk I, Chaika V, Stratidakis A, Vinceti M, Sarigiannis D, Hayes AW, **Tsatsakis A**, Golokhvast K. Identification of cement in atmospheric particulate matter using the hybrid method of laser diffraction analysis and Raman spectroscopy. *Heliyon*. 2020 e03299.
- 134.Ke T, **Tsatsakis A**, Santamaría A, Antunes Soare FA, Tinkov AA, Docea AO, Skalny A, Bowman AB, Aschner M. Chronic exposure to methylmercury induces puncta formation in cephalic dopaminergic neurons in *Caenorhabditis elegans*. *Neurotoxicology*. 2020; 77: 105–13.
- 135.Barpas M, Vakonaki E, Tzatzarakis M, Sifakis S, Alegakis A, Grigoriadis T, Sodrè DB, Daskalakis G, Antsaklis A, **Tsatsakis A**. Organochlorine pollutants’ levels in hair, amniotic fluid and serum samples of pregnant women in Greece. A cohort study. *Environmental Toxicology and Pharmacology*. 2020;73: 103279.
- 136.Basyreva LY, Voinova EV., Gusev AA, Mikhailchik EV., Kuskov AN, Goryachaya AV., Gusev AV, Shtilman MI, Velonia K, **Tsatsakis AM**. Fluorouracil neutrophil extracellular traps formation inhibited by polymer nanoparticle shielding. *Materials Science and Engineering C*. 2020; 108.
- 137.Calabrese EJ, Calabrese V, **Tsatsakis A**, Giordano JJ. HORMESIS AND GINKGO BILOBA (GB): Numerous Biological Effects of GB are Mediated via Hormesis. *Ageing Research*

- Reviews. 2020; 101019.
138. Hernández AF, Docea AO, Goumenou M, Sarigiannis D, Aschner M, **Tsatsakis A**. Application of novel technologies and mechanistic data for risk assessment under the real-life risk simulation (RLRS) approach. *Food and Chemical Toxicology*. 2020; 137.
  139. Iordache AM, Docea AO, Buga AM, Zlatian O, Ciurea ME, Rogoveanu OC, Burada F, Sosoi S, Mitrut R, Mamoulakis C, Albulescu D, Vasile RC, **Tsatsakis A**, Calina D. Sildenafil and tadalafil reduce the risk of contrast-induced nephropathy by modulating the oxidant/antioxidant balance in a murine model. *Food and Chemical Toxicology*. 2020; 135.
  140. Hudita A, Galateanu B, Dinescu S, Costache M, Dinischiotu A, Negrei C, Stan M, **Tsatsakis A**, Nikitovic D, Lupuliasa D, Balanescu A. In Vitro Effects of Cetylated Fatty Acids Mixture from Celadrin on Chondrogenesis and Inflammation with Impact on Osteoarthritis. *Cartilage*. 2020; 11(1):88–97.
  141. Ke T, Gonçalves FM, Gonçalves CL, dos Santos AA, Rocha JBT, Farina M, Skalny A, **Tsatsakis A**, Bowman AB, Aschner M. Post-translational modifications in MeHg-induced neurotoxicity. *Biochimica et Biophysica Acta - Molecular Basis of Disease*. 2019; pp. 2068–2081.
  142. Babar U, Nawaz MA, Arshad U, Azhar MT, Atif RM, Golokhvast KS, **Tsatsakis AM**, Scherbakova K, Chung G, Rana IA. Transgenic crops for the agricultural improvement in Pakistan: a perspective of environmental stresses and the current status of genetically modified crops. *GM Crops Food*. 2019;1–29.
  143. Girvalaki C, Tzatzarakis M, Vardavas A, Kyriakos C, Nikitara K, Stivaktakis P, **Tsatsakis A**, Vardavas C. Discrepancies in reported versus measured nicotine content of e-cigarette refill liquids across 9 European Countries before and after the implementation of the EU Tobacco Products Directive. *European Respiratory Journal*. 2019;1900941.
  144. Kirichenko K, Zakharenko A, Pikula K, Chaika V, Markina Z, Orlova T, Medvedev SA, Waissi G, Kholodov AS, **Tsatsakis AM**, Golokhvast KS. Dependence of welding fume particle toxicity on electrode type and current intensity assessed by microalgae growth inhibition test. *Environmental Research*. 2019;179.
  145. Papasava M, Katsarou M-S, Vikelis M, Mitropoulou E, Dermizakis E V, Papakonstantinou S, Arvaniti C, Mitsikostas D-D, Gozes I, **Tsatsakis AM**, Drakoulis N. Analysis of HCRTR2, GNB3, and ADH4 Gene Polymorphisms in a Southeastern European Caucasian Cluster Headache Population. *Journal of Molecular Neuroscience*. 2019
  146. Tsoukalas D, Fragoulakis V, Sarandi E, Docea AO, Papakonstantinou E, Tsilimidos G, Anamaterou C, Fragkiadaki P, Aschner M, **Tsatsakis A**, Drakoulis N, Calina D. Targeted Metabolomic Analysis of Serum Fatty Acids for the Prediction of Autoimmune Diseases. *Frontiers of Molecular Biosciences*. 2019;6:1–14.
  147. Tsoukalas D, Sarandi E, Thanasoula M, Docea AO, Tsilimidos G, Calina D, **Tsatsakis A**. Metabolic Fingerprint of Chronic Obstructive Lung Diseases: A New Diagnostic Perspective. *Metabolites*. 2019;9(12):290.
  148. Fountoucidou P, Veskoukis AS, Kerasioti E, Docea AO, Taitzoglou IA, Liesivuori J, **Tsatsakis A**, Kouretas D. A mixture of routinely encountered xenobiotics induces both redox adaptations and perturbations in blood and tissues of rats after a long-term low-dose exposure regimen: The time and dose issue. *Toxicology Letters*. 2019; 317:24–44.
  149. Girvalaki C, Vardavas A, Tzatzarakis M, Kyriakos CN, Nikitara K, **Tsatsakis AM**, Vardavas CI. Compliance of e-cigarette refill liquids with regulations on labelling, packaging and technical design characteristics in nine European member states. *Tobacco Control*. 2019.
  150. Pikula KS, Chernyshev V, Zakharenko AM, Chaika VV, Waissi G, Hai LH, Hien TT, **Tsatsakis AM**, Golokhvast KS. Toxicity assessment of particulate matter emitted from different types of vehicles on marine microalgae. *Environmental Research*. 2019.
  151. Tuaeveva NO, Falzone L, Porozov YB, Nosyrev AE, Trukhan VM, Kovatsi L, Spandidos DA, Drakoulis N, Kalogeraki A, Mamoulakis C, Tzanakakis G, Libra M, **Tsatsakis A**. Translational Application of Circulating DNA in Oncology: Review of the Last Decades Achievements. *Cells*. 2019; 8(10):E1251.
  152. Akinyemi AJ, Miah MR, Ijomone OM, **Tsatsakis A**, Soares FAA, Tinkov AA, Skalny AV, Venkataramani V, Aschner M. Lead (Pb) exposure induces dopaminergic neurotoxicity in *Caenorhabditis elegans*: Involvement of the dopamine transporter. *Toxicology*

- Reports*. 2019; 6:833–40. doi: 10.1016/j.toxrep.2019.08.001.
153. Gaforio JJ, Visioli F, Alarcón-de-la-Lastra C, Castañer O, Delgado-Rodríguez M, Fitó M, Hernández AF, Huertas JR, Martínez-González MA, Menendez JA, De la Osada J, Papadaki A, Parron T, Pereira JE, Rosillo MA, Sanchez-Quesada C, Schwingshackl L, Toledo E, **Tsatsakis AM**. Virgin Olive Oil and Health: Summary of the III International Conference on Virgin Olive Oil and Health Consensus Report, JAEN (Spain) 2018. *Nutrients*. 2019; 11(9):2039. doi:10.3390/nu11092039.
154. Karzi V, Tzatzarakis M, Katsikantami I, Stavroulaki A, Alegakis A, Vakonaki E, Xezonaki P, Sifakis S, Rizos A, **Tsatsakis A**. Investigating exposure to endocrine disruptors via hair analysis of pregnant women. *Environmental Research*. 2019; 178:108692. doi: 10.1016/j.envres.2019.108692.
155. Trivizakis E, Ioannidis G, Melissianos V, Papadakis G, **Tsatsakis A**, Spandidos D, Marias K. A novel deep learning architecture outperforming ‘off-the-shelf’ transfer learning and feature-based methods in the automated assessment of mammographic breast density. *Oncology Reports*. 2019; 2009–2015. doi: 10.3892/or.2019.7312.
156. **Tsatsakis A**, Docea AO, Constantin C, Calina D, Zlatian O, Nikolouzakis TK, Stivaktakis PD, Kalogeraki A, Liesivuori J, Tzanakakis G, Neagu M. Genotoxic, cytotoxic, and cytopathological effects in rats exposed for 18 months to a mixture of 13 chemicals in doses below NOAEL levels. *Toxicology Letters*. 2019. doi: 10.1016/j.toxlet.2019.09.004.
157. Tsoukalas D, Fragkiadaki P, Docea A, Alegakis A, Sarandi E, Thanasoula M, Spandidos DA, **Tsatsakis A**, Petrovna Razgonova M, Calina D. Discovery of potent telomerase activators: Unfolding new therapeutic and anti-aging perspectives. *Molecular Medicine Reports*. 2019; 3701–3708. doi: 10.3892/mmr.2019.10614.
158. Hernández AF, Buha A, Constantin C, Wallace DR, Sarigiannis D, Neagu M, Antonijevic B, Wallace Hayes A, Wilks MF, **Tsatsakis A**. Critical assessment and integration of separate lines of evidence for risk assessment of chemical mixtures. *Archives of Toxicology*. 2019. doi: 10.1007/s00204-019-02547-x.
159. **Tsatsakis A**, Docea AO, Calina D, Tsarouhas K, Zamfira L-M, Mitrut R, Sharifi-Rad J, Kovatsi L, Siokas V, Dardiotis E, Drakoulis N, Lazopoulos G, Tsitsimpikou C, Mitsias P, Neagu M. (2019). A Mechanistic and Pathophysiological Approach for Stroke Associated with Drugs of Abuse. *Journal of Clinical Medicine*. 8(9). doi: 10.3390/jcm8091295.
160. Drăghici GA, Dehelean C, Pinzaru I, Bordean DM, Borozan A, **Tsatsakis AM**, Kovatsi L, Nica D. (2019). Soil copper uptake by land snails: A semi-field experiment with juvenile *Cantareus aspersus* snails. *Environmental Toxicology and Pharmacology*. 72, 103243. doi: 10.1016/j.etap.2019.103243.
161. Ruszkiewicz JA, Tinkov AA, Skalny A V, Siokas V, Dardiotis E, **Tsatsakis A**, Bowman AB, da Rocha JBT, Aschner M. (2019). Brain diseases in changing climate. *Environmental Research*. 177, 108637. doi: 10.1016/j.envres.2019.108637.
162. Rezaee R, Sheidary A, Jangjoo S, Ekhtiary S, Bagheri S, Kohkan Z, Dadres M, Oana Docea A, Tsarouhas K, Sarigiannis DA, Karakitsios S, **Tsatsakis A**, Kovatsi L, Hashemzaei M. (2019). Cardioprotective effects of hesperidin on carbon monoxide poisoned in rats. *Drug and Chemical Toxicology*. 1–6. doi: 10.1080/01480545.2019.1650753.
163. Silantsev AS, Falzone L, Libra M, Gurina OI, Kardashova KS, Nikolouzakis TK, Nosyrev AE, Sutton CW, Mitsias PD, **Tsatsakis A**. (2019). Current and Future Trends on Diagnosis and Prognosis of Glioblastoma: From Molecular Biology to Proteomics. *Cells*. 8(8). doi: 10.3390/cells8080863.
164. **Tsatsakis A**, Tyshko N V, Docea AO, Shestakova SI, Sidorova YS, Petrov NA, Zlatian O, Mach M, Hartung T, Tutelyan VA. (2019). The effect of chronic vitamin deficiency and long term very low dose exposure to 6 pesticides mixture on neurological outcomes - a Real-Life Risk Simulation approach. *Toxicology Letters*. doi: 10.1016/j.toxlet.2019.07.026.
165. Karaulov A V, Renieri EA, Smolyagin AI, Mikhaylova I V, Stadnikov AA, Begun DN, Tsarouhas K, Buha Djordjevic A, Hartung T, **Tsatsakis A**. (2019). Long-term effects of chromium on morphological and immunological parameters of Wistar rats. *Food and Chemical Toxicology*. 133, 110748. doi: 10.1016/j.fct.2019.110748.
166. Hernández AF, Lozano-Paniagua D, González-Alzaga B, Kavvalakis MP, Tzatzarakis MN, López-Flores I, Aguilar-Grduno C, Caparros-Gonzalez RA, **Tsatsakis AM**, Lacasana M. (2019). Biomonitoring of common organophosphate metabolites in hair and urine of

- children from an agricultural community. *Environment International*. 131, 104997. doi: 10.1016/j.envint.2019.104997.
167. Goumenou M, **Tsatsakis A.** (2019). Proposing new approaches for the risk characterisation of single chemicals and chemical mixtures: The source related Hazard Quotient (HQS) and Hazard Index (HI) and the adversity specific Hazard Index (HIA). *Toxicology reports*. 6, 632–6. doi: 10.1016/j.toxrep.2019.06.010.
168. Nawaz MA, Zakharenko AM, Zemchenko IV, Haider MS, Ali MA, Imtiaz M, Chung G, **Tsatsakis A**, Sun S, Golokhvast KS. (2019). Phytolith Formation in Plants: From Soil to Cell. *Plants (Basel, Switzerland.)* 8(8). doi: 10.3390/plants8080249.
169. Stancioiu F, Mihai D, Papadakis GZ, **Tsatsakis A**, Spandidos DA, Badiu C. (2019). Treatment for benign thyroid nodules with a combination of natural extracts. *Molecular Medicine Reports*. 20(3), 2332–8. doi: 10.3892/mmr.2019.10453.
170. Stamati P, Siokas V, Aloizou A-M, Karampinis E, Arseniou S, Rakitskii VN, **Tsatsakis A**, Spandidos DA, Gozes I, Mitsias PD, Bogdanos DP, Hadjigeorgiou GM, Dardiotis E. (2019). Does SCFD1 rs10139154 Polymorphism Decrease Alzheimer’s Disease Risk? *Journal of Molecular Neuroscience*. doi: 10.1007/s12031-019-01363-3.
171. Kavasi R-M, Berdiaki A, Spyridaki I, Papoutsidakis A, Corsini E, **Tsatsakis A**, Tzanakakis GN, Nikitovic D. (2019). Contact allergen (PPD and DNCB)-induced keratinocyte sensitization is partly mediated through a low molecular weight hyaluronan (LMWHA)/TLR4/NF-κB signaling axis. *Toxicology and Applied Pharmacology*. 377, 114632. doi: 10.1016/j.taap.2019.114632.
172. Neagu M, Constantin C, Popescu ID, Zipeto D, Tzanakakis G, Nikitovic D, Fenga C, Stratakis CA, Spandidos DA, **Tsatsakis AM.** (2019). Inflammation and Metabolism in Cancer Cell-Mitochondria Key Player. *Frontiers in Oncology*. 9, 348. doi: 10.3389/fonc.2019.00348.
173. Taghizadeh SF, Goumenou M, Rezaee R, Alegakis T, Kokaraki V, Anesti O, Sarigiannis DA, **Tsatsakis A**, Karimi G. (2019). Cumulative risk assessment of pesticide residues in different Iranian pistachio cultivars: Applying the source specific HQS and adversity specific HIA approaches in Real Life Risk Simulations (RLRS). *Toxicology Letters*. 313, 91–100. doi: 10.1016/j.toxlet.2019.05.019.
174. Tsoukalas D, Fragkiadaki P, Docea AO, Alegakis AK, Sarandi E, Vakonaki E, Salataj E, Kouvidi E, Nikitovic D, Kovatsi L, Spandidos DA, **Tsatsakis A**, Calina D. (2019). Association of nutraceutical supplements with longer telomere length. *International Journal of Molecular Medicine*. 44(1), 218–26. doi: 10.3892/ijmm.2019.4191.
175. Wallace DR, Spandidos DA, **Tsatsakis A**, Schweitzer A, Djordjevic V, Djordjevic AB. (2019). Potential interaction of cadmium chloride with pancreatic mitochondria: Implications for pancreatic cancer. *International Journal of Molecular Medicine*. 44(1), 145–56. doi: 10.3892/ijmm.2019.4204.
176. Olaru OT, Zanfirescu A, Nitulescu GM, Nitulescu G, Dinu-Pirvu CE, Anuta V, **Tsatsakis A**, Spandidos DA, Margina D, Seremet OC. (2019). Predictive power of the Triticum root elongation test for the assessment of novel anti-proliferative therapies. *International Journal of Molecular Medicine*. 44(1), 16–24. doi: 10.3892/ijmm.2019.4192.
177. Mamoulakis C, Fragkiadoulaki I, Karkala P, Georgiadis G, Zisis I-E, Stivaktakis P, Kalogeraki A, Tsiaoussis I, Burykina T, Lazopoulos G, Tsarouhas K, Kouretas D, **Tsatsakis A.** (2019). Contrast-induced nephropathy in an animal model: Evaluation of novel biomarkers in blood and tissue samples. *Toxicology reports*. 6, 395–400. doi: 10.1016/j.toxrep.2019.04.007.
178. Katsikantami I., Colosio C., Alegakis A., Tzatzarakis M.N., Vakonaki E., Rizos A.K., Sarigiannis D.A., **Tsatsakis, A.M.** (2019). Estimation of daily intake and risk assessment of organophosphorus pesticides based on biomonitoring data – The internal exposure approach. *Food and Chemical Toxicology*, 123(October 2018), 57–71. doi: 10.1016/j.fct.2018.10.047.
179. Tsoukalas D., Alegakis A.K., Fragkiadaki P., Papakonstantinou E., Tsilimidos G., Geraci F., Sarandi E., Nikitovic D., Spandidos D.A., **Tsatsakis A.** (2019). Application of metabolomics part II: Focus on fatty acids and their metabolites in healthy adults. *International Journal of Molecular Medicine*, 43(1), 233–242. doi: 10.3892/ijmm.2018.3989.
180. Dardiotis E., Aloizou A. M., Siokas V., Tsouris Z., Rikos D., Marogianni C., ... **Tsatsakis A.** (2019). Paraoxonase-1 genetic polymorphisms in organophosphate metabolism.

- Toxicology*, 411, 24–31. doi: 10.1016/j.tox.2018.10.012.
181. Docea A. O., Goumenou M., Calina D., Arsene A. L., Dragoi C. M., Gofita E., ... **Tsatsakis A.** (2019). Adverse and hormetic effects in rats exposed for 12 months to low dose mixture of 13 chemicals: RLRS part III. *Toxicology Letters*, 310, 70–91. doi: 10.1016/j.toxlet.2019.04.005.
182. Lee H. J., Spandidos D. A., **Tsatsakis A.**, Margina D., Izotov B. N., & Yang S. H. (2019). Neuroprotective effects of *Scrophulariabuergeriana* extract against glutamate-induced toxicity in SH-SY5Y cells. *International Journal of Molecular Medicine*, 43(5), 2144–2152. doi: 10.3892/ijmm.2019.4139.
183. Nica D. V., Draghici G. A., Andrica F. M., Popescu S., Coricovac D. E., Dehelean C. A., ... **Tsatsakis A.** (2019). Short-term effects of very low dose cadmium feeding on copper, manganese and iron homeostasis: A gastropod perspective. *Environmental Toxicology and Pharmacology*, 65, 9–13. doi: 10.1016/j.etap.2018.10.005.
184. Radu I. C., Hudita A., Zaharia C., Galateanu B., Iovu H., Tanasa E. V., ... **Tsatsakis A.**, ... Costache, M. (2019). Poly (3-hydroxybutyrate-CO-3-hydroxyvalerate) PHBHV biocompatible nanocarriers for 5-FU delivery targeting colorectal cancer. *Drug Delivery*, 26(1), 318–327. doi: 10.1080/10717544.2019.1582729.
185. Renieri E. A., Goumenou M., Kardonsky D. A., Veselov V. V., Alegakis A., Buha A., ... **Tsatsakis A.** (2019). Indicator PCBs in farmed and wild fish in Greece - Risk assessment for the Greek population. *Food and Chemical Toxicology*, 127, 260–269. doi: 10.1016/j.fct.2019.03.027.
186. Sevim Ç., Çomaklı S., Taghizadehghalehjoughi A., Özkaraca M., Mesnage R., Kovatsi L., ... **Tsatsakis A.** (2019). An imazamox-based herbicide causes apoptotic changes in rat liver and pancreas. *Toxicology Reports*, 6, 42–50. doi: 10.1016/j.toxrep.2018.11.008.
187. Taghizadeh S. F., Rezaee R., Mehmandoust M., Madarshahi F. S., **Tsatsakis A.**, & Karimi G. (2019). Coronatine elicitation alters chemical composition and biological properties of cumin seed essential oil. *Microbial Pathogenesis*, 130, 253–258. doi: 10.1016/j.micpath.2019.03.023.
188. **Tsatsakis A.**, Goumenou M., Liesivuori J., Dekant W., & Hernández A. F. (2019). Toxicology for real-life risk simulation – Editorial preface to this special issue. *Toxicology Letters*, 309, 33–34. doi: 10.1016/j.toxlet.2018.12.003.
189. Tsiaoussis J., Antoniou M. N., Koliarakis I., Mesnage R., Vardavas C. I., Izotov B. N., ... **Tsatsakis A.** (2019). Effects of single and combined toxic exposures on the gut microbiome: current knowledge and future directions. *Toxicology Letters*, 312, 72–97. doi: 10.1016/j.toxlet.2019.04.014.
190. Tzanakakis G., Neagu M., **Tsatsakis A.**, & Nikitovic D. (2019). Proteoglycans and Immunobiology of Cancer—Therapeutic Implications. *Frontiers in Immunology*, 10, 1–8. doi: 10.3389/fimmu.2019.00875.
191. Bagheri G., Rezaee R., Tsarouhas K., Docea A., Shahraki J., Shahriari M., Wilks M. F., Jahantigh H., Tabrizian K., Moghadam A., Bagheri S., Spandidos D. A., **Tsatsakis A.**, Hashemzaei M. (2019). Magnesium sulfate ameliorates carbon monoxide-induced cerebral injury in male rats. *Molecular Medicine Reports*, 19(2), 1032–1039. doi: 10.3892/mmr.2018.9771.
192. Boda D., **Tsatsakis A.** (2019). [Editorial] The Second Conference of the Romanian Society of Immuno-Dermatology, Bucharest, September 27-29, 2018. *Experimental and Therapeutic Medicine*, 17(2), 979–981. doi: 10.3892/etm.2018.7067.
193. Chernyshev V. V., Zakharenko A. M., Ugay S. M., Hien T. T., Hai L. H., Olesik S. M., Kholodov A. S., Zubko E., Kokkinakis M., Burykina T. I., Stratidakis A. K., MezhuevYa. O., Sarigiannis D. A., **Tsatsakis A.**, Golokhvast K. S. (2019). Morphological and chemical composition of particulate matter in buses exhaust. *Toxicology Reports*, 6, 120–125. doi: 10.1016/j.toxrep.2018.12.002.
194. Çomaklı S., Sevim Ç., Kontadakis G., Doğan E., Taghizadehghalehjoughi A., Özkaraca M., Aschner M., Nikolouzakis T.-K., **Tsatsakis A.** (2019). Acute glufosinate-based herbicide treatment in rats leads to increased ocular interleukin-1 $\beta$  and c-Fos protein levels, as well as intraocular pressure. *Toxicology Reports*, 6, 155–160. doi: 10.1016/j.toxrep.2019.01.004.
195. Eslamizad S., Kobarfard F., Tsitsimpikou C., **Tsatsakis A. M.**, Tabib K., Yazdanpanah H. (2019). Health risk assessment of acrylamide in bread in Iran using LC-MS/MS. *Food and Chemical Toxicology*, 126, 162–168. doi: 10.1016/j.fct.2019.02.019.

196. Henrich-Noack P., Nikitovic D., Neagu M., Docea A. O., Engin A. B., Gelperina S., Shtilman M., Mitsias P., Tzanakakis G., Gozes I., **Tsatsakis A.** (2019). The blood–brain barrier and beyond: Nano-based neuropharmacology and the role of extracellular matrix. *Nanomedicine: Nanotechnology, Biology and Medicine*. doi: 10.1016/j.nano.2019.01.016.
197. Iatrou E. I., Tsygankov V., Seryodkin I., Tzatzarakis M. N., Vakonaki E., Barbounis E., Zakharenko A. M., Chaika V. V., Sergievich A. A., **Tsatsakis A. M.**, Golokhvast K. (2019). Monitoring of environmental persistent organic pollutants in hair samples collected from wild terrestrial mammals of Primorsky Krai, Russia. *Environmental Science and Pollution Research*. doi: 10.1007/s11356-019-04171-9.
198. Ilyushina N., Goumenou M., Stivaktakis P. D., Vardavas A. I., Masaltsev G., Averianova N., Dmitricheva O., Revazova Y., **Tsatsakis A. M.**, Rakitskii V. (2019). Maximum tolerated doses and erythropoiesis effects in the mouse bone marrow by 79 pesticides' technical materials assessed with the micronucleus assay. *Toxicology Reports*, 6, 105–110. doi: 10.1016/j.toxrep.2018.12.006.
199. Mitroi M., Albulescu D., Capitanescu A., Docea A., Musat G., Mitroi G., Zlatian O., **Tsatsakis A.**, Tzanakakis G., Spandidos D. A., Calina D. (2019). Differences in the distribution of CD20, CD3, CD34 and CD45RO in nasal mucosa and polyps from patients with chronic rhinosinusitis. *Molecular Medicine Reports*. doi: 10.3892/mmr.2019.9932.
200. Nikolouzakis T., Stivaktakis P., Apalaki P., Kalliantasi K., Mariolis-Sapsakos T., Spandidos D. A., **Tsatsakis A.**, Souglakos J., Tsiaoussis J. (2019). Effect of systemic treatment on the micronuclei frequency in the peripheral blood of patients with metastatic colorectal cancer. *Oncology Letters*, 17(3), 2703–2712. doi: 10.3892/ol.2019.9895.
201. Renieri E. A., Safenkova I. V., Alegakis A. K., Slutskaya E. S., Kokaraki V., Kentouri M., Dzantiev B. B., **Tsatsakis A. M.** (2019). Cadmium, lead and mercury in muscle tissue of gilthead seabream and seabass: Risk evaluation for consumers. *Food and Chemical Toxicology*, 124, 439–449. doi: 10.1016/j.fct.2018.12.020.
202. Ruszkiewicz J. A., Miranda-Vizuete A., Tinkov A. A., Skalnaya M. G., Skalny A. V., **Tsatsakis A.**, Aschner M. (2019). Sex-Specific Differences in Redox Homeostasis in Brain Norm and Disease. *Journal of Molecular Neuroscience*, 67(2), 312–342. doi: 10.1007/s12031-018-1241-9.
203. Siokas V., Kardaras D., Aloizou A.-M., Asproudis I., Boboridis K. G., Papageorgiou E., Spandidos D. A., **Tsatsakis A.**, Tsironi E. E., Dardiotis E. (2019). Lack of Association of the rs11655081 ARSG Gene with Blepharospasm. *Journal of Molecular Neuroscience*, 67(3), 472–476. doi: 10.1007/s12031-018-1255-3.
204. **Tsatsakis A. M.**, Stratidakis A. K., Goryachaya A. V., Tzatzarakis M. N., Stivaktakis P. D., Docea A. O., Berdiaki A., Nikitovic D., Velonia K., Shtilman M. I., Rizos A. K., Kuskov A. N. (2019). In vitro blood compatibility and in vitro cytotoxicity of amphiphilic poly-N-vinylpyrrolidone nanoparticles. *Food and Chemical Toxicology*, 127, 42–52. doi: 10.1016/j.fct.2019.02.041.
205. **Tsatsakis A. M.**, Docea A. O., Calina D., Buga A. M., Zlatian O., Gutnikov S., Kostoff R. N., Aschner M. (2019). Hormetic Neurobehavioral effects of low dose toxic chemical mixtures in real-life risk simulation (RLRS) in rats. *Food and Chemical Toxicology*, 125, 141–149. doi: 10.1016/j.fct.2018.12.043.
206. **Tsatsakis A.**, Tsoukalas D., Fragkiadaki P., Vakonaki E., Tzatzarakis M., Sarandi E., Nikitovic D., Tsilimidos G., Alegakis, A. K. (2019). Developing BIOTEL: A Semi-Automated Spreadsheet for Estimating Telomere Length and Biological Age. *Frontiers in Genetics*, 10, 84. doi: 10.3389/fgene.2019.00084.
207. Nica D.V., Draghici G.A., Andrica F.M., Popescu S., Coricovac D.E., Dehelean C.A., Gergen I.I., Kovatsi L., Coleman M.D., **Tsatsakis A.** (2019). Short-term effects of very low dose cadmium feeding on copper, manganese and iron homeostasis: A gastropod perspective. *Environmental Toxicology and Pharmacology*, 65, 9–13. doi: 10.1016/j.etap.2018.10.005.
208. Pikula K. S., Zakharenko A. M., Chaika V. V., Stratidakis A. K., Kokkinakis M., Waissi G., Rakitskii V. N., Sarigiannis D. A., Hayes M. D., Coleman M. D., **Tsatsakis A.**, Golokhvast K. S. (2019). Toxicity bioassay of waste cooking oil-based biodiesel on marine microalgae. *Toxicology Reports*, 6, 111–117. doi: 10.1016/j.toxrep.2018.12.007.

209. Sevim Ç., Çomaklı S., Taghizadehghalehjoughi A., Özkaraca M., Mesnage R., Kovatsi L., Burykina T. I., Kalogeraki A., Antoniou M. N., **Tsatsakis A.** (2019). An imazamox-based herbicide causes apoptotic changes in rat liver and pancreas. *Toxicology Reports*, 6, 42–50. doi: 10.1016/j.toxrep.2018.11.008.
210. **Tsatsakis A.**, Goumenou M., Liesivuori J., Dekant W., Hernández A. F. (2018). Toxicology for Real-Life Risk Simulation - Editorial Preface to this Special Issue. *Toxicology Letters*. doi: 10.1016/j.toxlet.2018.12.003.
211. Zlatian O., Balasoiu A., Balasoiu M., Cristea O., Docea A., Mitrut R., Spandidos D. A., **Tsatsakis A. M.**, Bancescu G., Calina D. (2018). Antimicrobial resistance in bacterial pathogens among hospitalised patients with severe invasive infections. *Experimental and Therapeutic Medicine*, 16(6), 4499–4510. doi: 10.3892/etm.2018.6737.
212. Kirichenko K.Y., Agoshkov A.I., Drozd V.A., Gridasov A.V., Kholodov A.S., Kobyljakov S.P., Kosyanov D.Yu., Zakrarenko A.M., Karabtsov A.A., Shimanskii S.R., Stratidakis A.K., Mezhuev Ya.O., **Tsatsakis A.M.**, Golokhvast K.S. (2018). Characterization of fume particles generated during arc welding with various covered electrodes. *Scientific Reports*, 8(1), 17169. doi: 10.1038/s41598-018-35494-1.
213. Tsoukalas D., Alegakis A.K., Fragkiadaki P., Papakonstantinou E., Tsilimidos G., Geraci F., Sarandi E., Nikitovic D., Spandidos D.A., **Tsatsakis A.** (2019). Application of metabolomics part II: Focus on fatty acids and their metabolites in healthy adults. *International Journal of Molecular Medicine*, 43(1), 233–242. doi: 10.3892/ijmm.2018.3989.
214. Dardiotis E., Aloizou A.M., Siokas V., Patrinos G.P., Deretzi G., Mitsias P., Aschner M., **Tsatsakis A.** (2018). The Role of MicroRNAs in Patients with Amyotrophic Lateral Sclerosis. *Journal of Molecular Neuroscience*. doi: 10.1007/s12031-018-1204-1.
215. Aggelidakis J., Berdiaki A., Nikitovic D., Papoutsidakis A., Papachristou D.J., **Tsatsakis A.M.**, Tzanakakis G.N. (2018). Biglycan Regulates MG63 Osteosarcoma Cell Growth Through a LPR6/ $\beta$ -Catenin/IGFR-IR Signaling Axis. *Frontiers in Oncology*, 8(October), 1–15. doi: 10.3389/fonc.2018.00470.
216. Karimani A., Mohammadpour A.H., Zirak M.R., Rezaee R., Megarbane B., **Tsatsakis A.**, Karimi G. (2018). Antidotes for aluminum phosphide poisoning – An update. *Toxicology Reports*, 5(October), 1053–1059. doi: 10.1016/j.toxrep.2018.10.009.
217. Ke T., Gonçalves F.M., Gonçalves C.L., Antunes dos Santos A.A., Rocha J.B.T., Farina M., Skalny A., **Tsatsakis A.**, Bowman A.B., Aschner M. (2018). Post-translational modifications in MeHg-induced neurotoxicity. *Biochimica et Biophysica Acta - Molecular Basis of Disease*. doi: 10.1016/j.bbadis.2018.10.024.
218. Girvalaki C., Tzatzarakis M., Kyriakos C.N., Vardavas A.I., Stivaktakis P.D., Kavvalakis M., **Tsatsakis A.**, Vardavas C. (2018). Composition and chemical health hazards of the most common electronic cigarette liquids in nine European countries. *Inhalation Toxicology*, 0(0), 1–9. doi: 10.1080/08958378.2018.1527879.
219. Dardiotis E., Aloizou A.M., Siokas V., Tsouris Z., Rikos D., Marogianni C., Aschner M., Kovatsi L., Bogdanos D.P., **Tsatsakis A.** (2019). Paraoxonase-1 genetic polymorphisms in organophosphate metabolism. *Toxicology*, 411, 24–31. doi: 10.1016/j.tox.2018.10.012.
220. Limban C., Nuță D.C., Chiriță C., Negreș S., Arsene A.L., Goumenou M., Karakitsios S.P., **Tsatsakis A.M.**, Sarigiannis D.A. (2018). The use of structural alerts to avoid the toxicity of pharmaceuticals. *Tox. Rep.* 5, 943–953. doi: 10.1016/j.toxrep.2018.08.017.
221. Tsitsimpikou C., Tsarouhas K., Vasilaki F., Papalexis P., Dryllis G., Choursalas A., Spandidos D.A., **Tsatsakis A.**, Charvalos E., Bacopoulou F. (2018). Health risk behaviors among high school and university adolescent students. *Exp. Ther. Med.* 16, 3433–3438. doi: 10.3892/etm.2018.6612.
222. Kouka P., Chatzieffraimidi G.A., Raftis G., Stagos D., Angelis A., Stathopoulos P., Xynos N., Skaltsounis A.-L., **Tsatsakis A.M.**, Kouretas D. (2018). Antioxidant effects of an olive oil total polyphenolic fraction from a Greek Oleaeuropaea variety in different cell cultures. *Phytomedicine*, 47, 135–142. doi: 10.1016/j.phymed.2018.04.054.
223. Dardiotis E., Siokas V., Gara A., Paraskevaidis E., Kyrgiou M., Xiromerisiou G., Deligeoroglou E., Galazios G., Kontomanolis E.N., Spandidos D.A., **Tsatsakis A.**, Daponte A. (2018). Genetic variations in the SULF1 gene alter the risk of cervical cancer and precancerous lesions. *Oncol. Lett.* 3833–3841. doi: 10.3892/ol.2018.9104.
224. Bostan H.B., Taghdisi S.M., Bowen J.L., Demertzis N., Rezaee R., Panahi, Y.,

- Tsatsakis A.M.**, Karimi G. (2018). Determination of microcystin-LR, employing aptasensors. *Biosens. Bioelectron.* 119, 110–118. doi:10.1016/J.BIOS.2018.08.003.
225. Corsini E., Engin A.B., Neagu M., Galbiati V., Nikitovic D., Tzanakakis G., **Tsatsakis A.M.** (2018). Chemical-induced contact allergy: from mechanistic understanding to risk prevention. *Arch.Toxicol.* doi:10.1007/s00204-018-2283-z.
226. Antunes Dos Santos A., Ferrer B., Marques Gonçalves F., **Tsatsakis A.M.**, Renieri E.A., Skalny A.V., Farina M., Rocha J.B.T., Aschner M. (2018). Oxidative Stress in Methylmercury - Induced Cell Toxicity. *Toxics*, 6, 47. doi:10.3390/toxics6030047.
227. Georgiadis G., Mavridis C., Belantis C., Zisis I.E., Skamagkas I., Fragkiadoulaki I., Heretis I., Tzortzis V., Psathakis K., **Tsatsakis A.M.**, Mamoulakis C. (2018). Nephrotoxicity issues of organophosphates. *Toxicology*. pii: S0300-483X(18)30188-4. doi:10.1016/j.tox.2018.07.019.
228. Tsiaoussis J., Hatzidaki E., Docea A.O., Nikolouzakis T.K., Petrakis D., Burykina T., Mamoulakis C., Makrigiannakis A., **Tsatsakis A.** (2018). Molecular and clinical aspects of embryotoxicity induced by acetylcholinesterase inhibitors. *Toxicology*. pii: S0300-483X(18)30187-2. doi: 10.1016/j.tox.2018.07.018.
229. Taghizadehghalehjoughi A., Hacimuftuoglu A., Cetin M., Ugur A.B., Galateanu B., Mezhuev Y., Okkay U., Taspinar N., Taspinar M., Uyanik A., Gundogdu B., Mohammadzadeh M., Nalci K.A., Stivaktakis P., **Tsatsakis A.**, Jung T.W., Jeong J.H., El-Aty, A.A. (2018). Effect of metformin/irinotecan-loaded poly-lactic-co-glycolic acid nanoparticles on glioblastoma: In vitro and in vivo studies. *Nanomedicine*, 13(13), 1595–1606. doi: 10.2217/nnm-2017-0386.
230. Tabrizian K., Shahriari Z., Rezaee R., Jahantigh H., Bagheri G., Tsarouhas K., Docea A.O., **Tsatsakis A.**, Hashemzaei M. (2018). Cardioprotective effects of insulin on carbon monoxide-induced toxicity in male rats. *Hum. Exp.Toxicol.* doi: 10.1177/0960327118788134.
231. Pikula K.S., Zakharenko A.M., Chaika V.V., Vedyagin A.A., Orlova T.Y., Mishakov I.V., Kuznetsov V.L., Park S., Renieri E.A., Kahru A., **Tsatsakis A.M.**, Golokhvast K.S. (2018). Effects of carbon and silicon nanotubes and carbon nanofibers on marine microalgae *Heterosigma akashiwo*. *Environ. Res.* 166(June), 473–480. doi: 10.1016/j.envres.2018.06.005.
232. Katsarou M.-S., Papasavva M., Latsi R., Toliza I., Gkaros A.-P., Papakonstantinou S., Gatzonis S., Mitsikostas D.-D., Kovatsi L., Isotov B.N., **Tsatsakis A.M.**, Drakoulis N. (2018). Population-Based Analysis of Cluster Headache-Associated Genetic Polymorphisms. *J. Mol. Neurosci.* 1–10. doi: 10.1007/s12031-018-1103-5.
233. Chernyshev V.V., Zakharenko A.M., Ugay S.M., Hien T.T., Hai L.H., Kholodov A.S., Burykina T.I., Stratidakis A.K., Mezhuev Ya.O., **Tsatsakis A.M.**, Golokhvast K.S. (2018). Morphologic and chemical composition of particulate matter in motorcycle engine exhaust. *Toxicol. Rep.* 5, 224–230. doi: 10.1016/j.toxrep.2018.01.003.
234. Engin A.B., **Tsatsakis A.M.**, Tsoukalas D., Engin A. (2018). Do flavanols-rich natural products relieve obesity-related insulin resistance? *Food Chem.Toxicol.* 112, 157–167. doi: 10.1016/j.fct.2017.12.055.
235. Georgiadis N., Tsarouhas K., Tsitsimpikou C., Vardavas A., Rezaee R., Germanakis I., **Tsatsakis A.**, Stagos D., Kouretas D. (2018). *Sc. Toxicol..Appl.Pharmacol.* 353, 1-14. doi: 10.1016/j.taap.2018.06.004.
236. Golichenari B., Velonia K., Nosrati R., Nezami A., Farokhi-Fard A., Abnous K., Behravan J., **Tsatsakis A.M.** (2018). Label-free nano-biosensing on the road to tuberculosis detection. *Biosens.Bioelectron.* 113, 124–135. doi: 10.1016/j.bios.2018.04.059.
237. Hudita A., Galateanu B., Dinescu S., Costache M., Dinischiotu A., Negrei C., Stan M., **Tsatsakis A.**, Nikitovic D., Lupuliasa D., Balanescu A. (2018). In Vitro Effects of Cetylated Fatty Acids Mixture from Celadrin on Chondrogenesis and Inflammation with Impact on Osteoarthritis. *Cartilage*. doi: 10.1177/1947603518775798.
238. Imtiaz M., Mushtaq M.A., Nawaz M.A., Ashraf M., Rizwan M.S., Mehmood S., Aziz O., Rizwan M., Virk M.S., Shakeel Q., Ijaz R., Androutsopoulos V.P., **Tsatsakis A.M.**, Coleman M.D. (2018). Physiological and anthocyanin biosynthesis genes response induced by vanadium stress in mustard genotypes with distinct photosynthetic activity. *Environ.Toxicol.Pharmacol.* 62, 20–29. doi: 10.1016/j.etap.2018.06.003.
239. Karzi V., Tzatzarakis M.N., Vakonaki E., Alegakis T., Katsikantami I., Sifakis S., Rizos A., **Tsatsakis A.M.** (2018). Biomonitoring of bisphenol A, triclosan and

- perfluorooctanoic acid in hair samples of children and adults. *J. Appl. Toxicol.* 1–9. doi: 10.1002/jat.3627.
240. Kouretas D., Tsatsakis A., Poulas K. (2018). Editorial: Alternative tobacco products: Toxicology and health issues. *Food Chem. Toxicol.* 118, 523–525.
241. Mioc M., Pavel I.Z., Ghiulai R., Coricovac D.E., Farcas C., Mihali C.V., Oprean C., Serafim V., Popovici R.A., Dehelean C.A., Shtilman M.I., Tsatsakis A.M., Soica C. (2018). The cytotoxic effects of betulin-conjugated gold nanoparticles as stable formulations in normal and melanoma cells. *Front. Pharmacol.* 9, 1–16.
242. Nikitovic D., Berdiaki A., Spyridaki I., Krasanakis T., Tsatsakis A., Tzanakakis G. N. (2018). Proteoglycans-Biomarkers and targets in cancer therapy. *Front. Endocrinol.* 9, 1–8.
243. Ozcagli E., Kara M.P., Kotil T., Fragkiadaki P., Tzatzarakis M.N., Tsitsimpikou C., Stivaktakis P.D., Tsoukalas D., Spandidos D.A., Tsatsakis A.M., Alpertunga B. (2018). Stanazolol administration combined with exercise leads to decreased telomerase activity possibly associated with liver aging. *Int. J. Mol. Med.* 42(1), 405–413.
244. Taghizadeh S.F., Rezaee R., Davarynejad G., Asili J., Nemati S.H., Goumenou M., Tsakiris I., Tsatsakis A.M., Shirani K., Karimi G. (2018). Risk assessment of exposure to aflatoxin B1 and ochratoxin A through consumption of different Pistachio (*Pistaciavera L.*) cultivars collected from four geographical regions of Iran. *Environ. Toxicol. Pharmacol.* 61, 61–66.
245. Tsarouhas K., Tsitsimpikou C., Papantoni X., Lazaridou D., Koutouzis M., Mazzaris S., Rezaee R., Mamoulakis C., Georgoulis P., Nepka C., Rentoukas E., Kyriakides Z., Tsatsakis A., Spandidos D.A., Kouretas D. (2018). Oxidative stress and kidney injury in trans-radial catheterization. *Biomed. Reports.* 8(5), 417–425.
246. Vardavas A.I., Ozcagli E., Fragkiadaki P., Stivaktakis P.D., Tzatzarakis M.N., Alegakis A.K., Vasilaki F., Kaloudis K., Tsiaoussis J., Kouretas D., Tsitsimpikou C., Carvalho F., Tsatsakis A.M. (2018). The metabolism of imidacloprid by aldehyde oxidase contributes to its clastogenic effect in New Zealand rabbits. *Mutat. Res. – Genet. Toxicol. Environ. Mutagen.* 829–830, 26–32.
247. Tsarouhas K., Kioukia-Fougia N., Papalexis P., Tsatsakis A., Kouretas D., Bacopoulou F., Tsitsimpikou C. (2018) Use of nutritional supplements contaminated with banned doping substances by recreational adolescent athletes in Athens, Greece, *Food Chem. Toxicol.* 115 447–450.
248. Yang S.H., Le B., Androutsopoulos V.P., Tsukamoto C., Shin T.S., Tsatsakis A.M., Chung G. (2018) Anti-inflammatory effects of soyasapogenol I- $\alpha$  via downregulation of the MAPK signaling pathway in LPS-induced RAW 264.7 macrophages, *Food Chem. Toxicol.* 113 211–217.
249. Seremet O.C., Olaru O.T., Gutu C.M., Nitulescu G.M., Ilie M., Negres S., Zbarcea C.E., Purdel C.N., Spandidos D.A., Tsatsakis A.M., Coleman M.D., Margina D.M. (2018) Toxicity of plant extracts containing pyrrolizidine alkaloids using alternative invertebrate models, *Mol. Med. Rep.* 1–7.
250. Surichan S., Arroo R.R., Tsatsakis A.M., Androutsopoulos V.P. (2018) Tangeretin inhibits the proliferation of human breast cancer cells via CYP1A1/CYP1B1 enzyme induction and CYP1A1/CYP1B1-mediated metabolism to the product 4' hydroxy tangeretin, *Toxicol. Vitro.* 50 274–284.
251. Maturu P., Wei-Liang Y., Androutsopoulos V.P., Jiang W., Wang L., Tsatsakis A.M., Courouclis X.I. (2018) Quercetin attenuates the hyperoxic lung injury in neonatal mice: Implications for Bronchopulmonary dysplasia (BPD), *Food Chem. Toxicol.* 114 23–33.
252. Kalliora C., Mamoulakis C., Vasilopoulos E., Stamatiades G.A., Kalafati L., Barouni R., Karakousi T., Abdollahi M., Tsatsakis A. (2018) Association of pesticide exposure with human congenital abnormalities, *Toxicol. Appl. Pharmacol.* 346 58–75.
253. Kerasiote E., Stagos D., Tsatsakis A.M., Spandidos D.A., Taitzoglou I., Kouretas D. (2018) Effects of sheep/goat whey protein dietary supplementation on the redox status of rats, *Mol. Med. Rep.* 17 5774–5781.
254. Docea A.O., Gofita E., Goumenou M., Calina D., Rogoveanu O., Varut M., Olaru C., Kerasiote E., Fountoucidou P., Taitzoglou I., Zlatian O., Rakitskii V.N., Hernandez A.F., Kouretas D., Tsatsakis A. (2018) Six months exposure to a real life mixture of 13 chemicals' below individual NOAELs induced non monotonic sex-dependent biochemical and redox status changes in rats, *Food Chem. Toxicol.* 115 470–481.

255. Pinzaru, I., Coricovac, D., Dehelean, C., Moacă, E. A., Mioc, M., Baderca, F., Sizemore, I., Brittle, S., Marti, D., Calina, C.D., Tsatsakis, A.M., Șoica, C. (2018). Stable PEG-coated silver nanoparticles – A comprehensive toxicological profile. *Food Chem. Toxicol.* 111, 546–556.
256. Veremchuk, L. V., Tsarouhas, K., Vitkina, T. I., Mineeva, E. E., Gvozdenko, T. A., Antonyuk, M. V., Rakitskii, V.N., Sidletskaia, C.A., Tsatsakis, A.M., Golokhvast, K. S. (2018). Impact evaluation of environmental factors on respiratory function of asthma patients living in urban territory. *Environ. Pol.* 235, 489–496.
257. Dardiotis E., Siokas V., Sokratous M., Tsouris Z., Michalopoulou A., Andravizou A., Dastamani M., Ralli S., Vinceti M., Tsatsakis A., Hadjigeorgiou G.M. (2018) Genetic polymorphisms in amyotrophic lateral sclerosis : Evidence for implication in detoxification pathways of environmental toxicants, *Environ. Int.* 116 122–135.
258. Surichan S., Arroo R.R., Ruparelia K., Tsatsakis A.M., Androutsopoulos V.P. (2018) Nobiletin bioactivation in MDA-MB-468 breast cancer cells by cytochrome P450 CYP1 enzymes, *Food Chem. Toxicol.* 113 228–235.
259. Baltzis D., Meimeti E., Grammatikopoulou M.G., Roustit M., Mavrogonatou E., Kletsas D., Efraimidou S., Manes C., Nikolouzakis T.K., Tsiaoussis J., Tsatsakis A.M., Spandidos D.A., Trakatelli C.-M., Drakoulis N. (2018) Assessment of telomerase activity in leukocytes of type 2 diabetes mellitus patients having or not foot ulcer: Possible correlation with other clinical parameters, *Exp. Ther. Med.* 15 3420–3424.
260. Luss A.L., Kulikov P.P., Romme S.B., Andersen C.L., Pennisi C.P., Docea A.O., Kuskov A.N., Velonia K., Mezhuev Y.O., Shtilman M.I., Tsatsakis A.M., Gurevich L. (2018) Nanosized carriers based on amphiphilic poly-N-vinyl-2-pyrrolidone for intranuclear drug delivery, *Nanomedicine*. nnm-2017-0311.
261. Sokratous M., Dardiotis E., Bellou E., Tsouris Z., Michalopoulou A., Dardioti M., Siokas V., Rikos D., Tsatsakis A., Kovatsi L., Bogdanos D.P., Hadjigeorgiou G.M. (2018) CpG Island Methylation Patterns in Relapsing-Remitting Multiple Sclerosis, *J. Mol. Neurosci.* 478–484.
262. Tzanakakis G., Kavasi R.-M., Voudouri K., Berdiaki A., Spyridaki I., Tsatsakis A., Nikitovic D. (2018) Role of the extracellular matrix in cancer-associated epithelial to mesenchymal transition phenomenon, *Dev. Dyn.* 247 368–381.
263. Nedelescu M, Baconi D, Neagoe A, Iordache V, Stan M, Constantinescu P, Ciobanu AM, Vardavas AI, Vinceti M, **Tsatsakis AM**. Environmental metal contamination and health impact assessment in two industrial regions of Romania. *Sci. Total Environ.* 2017; 580:984–995.
264. Spanidis Y., Priftis A., Stagos D., Stravodimos GA, Leonidas DD, Spandidos DA, **Tsatsakis AM**, Kouretas D. Oxidation of human serum albumin exhibits inter-individual variability after an ultra-marathon mountain race, *Experimental and Therapeutic Medicine* 2017; 13(5) 2382–2390.
265. Kuskov A.N., Kulikov P.P., Goryachaya A. V., Tzatzarakis M.N., Docea A.O., Velonia K., Shtilman M.I., **Tsatsakis A.M.** Amphiphilic poly-N-vinylpyrrolidone nanoparticles as carriers for non-steroidal, anti-inflammatory drugs: In vitro cytotoxicity and in vivo acute toxicity study, *Nanomedicine Nanotechnology, Biol. Med.* 13 (2017) 1021–1030.
266. Coricovac D.-E., Moacă E.-A., Pinzaru I., Cîtu C., Șoica C., Mihali C.-V., Păcurariu C., Tutelyan V.A., **Tsatsakis A.**, Dehelean C.-A. Biocompatible Colloidal Suspensions Based on Magnetic Iron Oxide Nanoparticles: Synthesis, Characterization and Toxicological Profile, *Front. Pharmacol.* 8 (2017) 154.
267. Nestoros J.N., Vakonaki E., Tzatzarakis M.N., Alegakis A., Skondras M.D., **Tsatsakis A.M.** Long lasting effects of chronic heavy cannabis abuse, *Am. J. Addict.* 2017; 26(4): 335–342.
268. Ungurianu A, Margină D, Grădinaru D, Băcanu C, Ilie M, Tsitsimpikou C, Tsarouhas K, Spandidos DA, **Tsatsakis AM**. Lipoprotein redox status evaluation as a marker of cardiovascular disease risk in patients with inflammatory disease. *Mol. Med. Rep.* 2017; 15:256–262
269. Cioboată R., Găman A., Trașcă D., Ungureanu A., Docea A., Tomescu P., Gherghina F., Arsene A., Badiu C., **Tsatsakis A.**, Spandidos D., Drakoulis N., Călina D. Pharmacological management of non-alcoholic fatty liver disease: Atorvastatin versus pentoxifylline, *Exp. Ther. Med.* 2017; 13(5): 2375–2381.

270. Engin A, Engin E, Golokhvast K, Spandidos D, **Tsatsakis** AM. Glutamate-mediated effects of caffeine and interferon- $\gamma$  on mercury-induced toxicity. *Int. J. Mol. Med.* 2017; 39:1215–1223
271. Mioc M, Soica C, Bercean V, Avram S, Balan-Porcarasu M, Coricovac D, Ghiulai R, Muntean D, Andrica F, Dehelean C, Spandidos D, **Tsatsakis** AM, Kurunczi L. Design, synthesis and pharmaco-toxicological assessment of 5-mercapto-1,2,4-triazole derivatives with antibacterial and antiproliferative activity. *Int. J. Oncol.* 2017 Apr; 50(4): 1175–1183.
272. Coricovac D-E, Moacă E-A, Pinzaru I, Cîtu C, Soica C, Mihali C-V, Pacurariu C, Tutelyan VA, **Tsatsakis** AM, Dehelean CA. Biocompatible Colloidal Suspensions Based on Magnetic Iron Oxide Nanoparticles: Synthesis, Characterization and Toxicological Profile. *Front. Pharmacol.* 2017; 8:154.
273. Wojciechowski V V., Calina D, Tsarouhas K, Pivnik A V., Sergievich AA, Kodintsev V V., Filatova EA, Ozcagli E, Docea AO, Arsene AL, Gofita E, Tsitsimpikou C, **Tsatsakis** AM, Golokhvast KS. A guide to acquired vitamin K coagulopathy diagnosis and treatment: the Russian perspective. *DARU J. Pharm. Sci.* 2017; 25:10.
274. Karaulov A V., Mikhaylova I V., Smolyagin AI, Boev VM, Kalogeraki A, **Tsatsakis** AM, Engin AB. The immunotoxicological pattern of subchronic and chronic benzene exposure in rats. *Toxicol. Lett.* 2017; 275:1–5.
275. Tzatzarakis MN, Karzi V, Vakonaki E, Goumenou M, Kavvalakis M, Stivaktakis P, Tsitsimpikou C, Tsakiris I, Rizos AK, **Tsatsakis** AM. Bisphenol A in soft drinks and canned foods and data evaluation. *Food Addit. Contam. Part B* 2016; 10 (2) :85–90.
276. Sayapina NV, Batalova TA, Sergievich AA, Shtarberg MA, Borodin EA, Khoroshikh PP, Chaika VV, Kodintsev VV, Vedyagin AA, Mishakov IV, Vakis A, Henrich-Noack P, **Tsatsakis** AM, Engin AB, Golokhvast K. Oral application of carbon nanofibers in rats increases blood concentration of IL6 and IL10 and decreases locomotor activity. *Environ. Toxicol. Pharmacol.* 2017; 50:183–191.
277. Vinceti M, Violi F, Tzatzarakis M, Mandrioli J, Malagoli C, Hatch EE, Fini N, Fasano A, Rakitskii VN, Kalantzi OI, **Tsatsakis** AM. Pesticides, polychlorinated biphenyls and polycyclic aromatic hydrocarbons in cerebrospinal fluid of amyotrophic lateral sclerosis patients: a case-control study. *Environ. Res.* 2017; 155:261–267.
278. Priftis A, Papikinos K, Koukoulanaki M, Kerasioti E, Stagos D, Konstantinopoulos K, Spandidos DA, Kermenidou M, Karakitsios S, Sarigiannis D, **Tsatsakis** AM, Kouretas D. Development of an assay to assess genotoxicity by particulate matter extract. *Mol. Med. Rep.* 2017; 15:1738–1746.
279. Tzatzarakis MN, Vakonaki E, Moti S, Alegakis A, Tsitsimpikou C, Tsakiris I, Goumenou M, Nosyrev AE, Rizos AK, **Tsatsakis** AM. Quantification of 4-Methylimidazole in soft drinks, sauces and vinegars of Greek market using two liquid chromatography techniques. *Food Chem. Toxicol.* 2017 (in press).
280. Tsarouhas A, Soufla G, Tsarouhas K, Katonis P, Pasku D, Vakis A, **Tsatsakis** AM, Spandidos DA. Molecular profile of major growth factors in lumbar intervertebral disc herniation: Correlation with patient clinical and epidemiological characteristics. *Mol. Med. Rep.* 2017; 11:2659–2663.
281. Kara M, Ozcagli E, Fragkiadaki P, Kotil T, Stivaktakis P, Spandidos D, **Tsatsakis** AM, Alpertunga B. Determination of DNA damage and telomerase activity in stanozolol-treated rats. *Exp. Ther. Med.* 2016; 13:614–618.
282. Tzatzarakis MN, Alegakis AK, Kavvalakis MP, Vakonaki E, Stivaktakis PD, Kanaki K, Vardavas AI, Barbounis EG, **Tsatsakis** AM. Comparative Evaluation of Drug Deposition in Hair Samples Collected from Different Anatomical Body Sites. *J. Anal. Toxicol.* 2016; 41:214–223.
283. Sfakianakis DG, Renieri E, Kentouri M, **Tsatsakis** AM. Effect of heavy metals on fish larvae deformities. *Environmental Research.* 2015; 137:246–255.
284. Călina D, Docea A, Rosu L, Zlatian O, Rosu A, Anghelina F, Rogoveanu O, Arsene AL, Nicolae AC, Drăgoi CM, Tsiaoussis J, **Tsatsakis** AM, Spandidos DA, Drakoulis N, Gofita E. Antimicrobial resistance development following surgical site infections. *Mol. Med. Rep.* 2016; 15:681–688.
285. Tsitsimpikou C, Tsarouhas K, Spandidos D, **Tsatsakis** AM. Detection of stanozolol in the urine of athletes at a pg level: The possibility of passive exposure. *Biomed. Reports.* 2016; 5:665–666.

286. Priftis A, Stagos D, Tzioumakis N, Konstantinopoulos K, Patouna A, Papadopoulos GE, **Tsatsakis AM**, Kouretas D. Development and Validation of a Kit to Measure Drink Antioxidant Capacity Using a Novel Colorimeter. *Molecules*. 2016 Aug 30;21(9).
287. **Tsatsakis AM**, Docea AO, Tsitsimpikou C. New challenges in risk assessment of chemicals when simulating real exposure scenarios; simultaneous multi-chemicals' low dose exposure. *Food Chem Toxicol*. 2016; 96:174-6.
288. Negrei C, Hudita A, Gingham O, Galateanu B, Voicu SN, Stan M, Costache M, Fenga C, Drakoulis N, **Tsatsakis AM**. Colon Cancer Cells Gene Expression Signature As Response to 5- Fluorouracil, Oxaliplatin, and Folinic Acid Treatment. *Front Pharmacol*. 2016; 7:172.
289. Stivaktakis PD, Kavvalakis MP, Tzatzarakis MN, Alegakis AK, Panagiotakis MN, Fragkiadaki P, Vakonaki E, Ozcagli E, Hayes WA, Rakitskii VN, **Tsatsakis AM**. Long-term exposure of rabbits to imidacloprid as quantified in blood induces genotoxic effect. *Chemosphere*. 2016; 149:108-13.
290. García-García CR, Parrón T, Requena M, Alarcón R, **Tsatsakis AM**, Hernández AF. Occupational pesticide exposure and adverse health effects at the clinical, hematological and biochemical level. *Life Sci*. 2016; 145:274-83.
291. Sayapina NV, Sergievich AA, Kuznetsov VL, Chaika VV, Lisitskaya IG, Khoroshikh PP, Batalova TA, Tsarouhas K, Spandidos D, **Tsatsakis AM**, Fenga C, Golokhvast KS. Influence of multi-walled carbon nanotubes on the cognitive abilities of Wistar rats. *Exp Ther Med*. 2016; 12(3):1311-1318.
292. Priftis A, Stagos D, Tzioumakis N, Konstantinopoulos K, Patouna A, Papadopoulos GE, **Tsatsakis AM**, Kouretas D. Development and Validation of a Kit to Measure Drink Antioxidant Capacity Using a Novel Colorimeter. *Molecules*. 2016; 21(9).
293. Boda D, Neagu M, Constantin C, Voinescu RN, Caruntu C, Zurac S, Spandidos DA, Drakoulis N, Tsoukalas D, **Tsatsakis AM**. HPV strain distribution in patients with genital warts in a female population sample. *Oncol Lett*. 2016; 12(3):1779-1782.
294. Neagu M, Constantin C, Tampa M, Matei C, Lupu A, Manole E, Ion RM, Fenga C, **Tsatsakis AM**. Toxicological and efficacy assessment of post-transition metal (Indium) phthalocyanine for photodynamic therapy in neuroblastoma. *Oncotarget*. 2016; 7(43):69718-6973.
295. Tanase A, Colita A, Ianosi G, Neagoe D, Branisteanu DE, Calina D, Docea AO, **Tsatsakis AM**, Ianosi SL. Rare case of disseminated fusariosis in a young patient with graft vs. host disease following an allogeneic transplant. *Exp Ther Med*. 2016; 12(4):2078-2082.
296. Voudouri K, Nikitovic D, Berdiaki A, Papachristou DJ, Tsiaoussis J, Spandidos DA, **Tsatsakis AM**, Tzanakakis GN. Heparin regulates B6FS cell motility through a FAK/actin cytoskeleton axis. *Oncol Rep*. 2016; 36(5):2471-2480.
297. Shishatskaya EI, Nikitovic D, Vasilievich AS, Tzanakakis GN, **Tsatsakis AM**, Menzianova NG. Short-term culture of monocytes as an in vitro evaluation system for bionanomaterials designated for medical use. *Food Chem Toxicol*. 2016; 96:302-308.
298. Kuskov AN, Kulikov PP, Shtilman MI, Rakitskii VN, **Tsatsakis AM**. Amphiphilic poly-N-vinylpyrrolidone nanoparticles: Cytotoxicity and acute toxicity study. *Food Chem Toxicol*. 2016; 96:273-279.
299. **Tsatsakis AM**, Docea AO, Tsitsimpikou C. New challenges in risk assessment of chemicals when simulating real exposure scenarios; simultaneous multi-chemicals' low dose exposure. *Food Chem Toxicol*. 2016; 96:174-176.
300. Hashemzaei M, Barani AK, Iranshahi M, Rezaee R, Tsarouhas K, **Tsatsakis AM**, Wilks MF, Tabrizian K. Effects of resveratrol on carbon monoxide-induced cardiotoxicity in rats. *Environ ToxicolPharmacol*. 2016; 46:110-115.
301. Negrei C, Hudita A, Gingham O, Galateanu B, Voicu SN, Stan M, Costache M, Fenga C, Drakoulis N, **Tsatsakis AM**. Colon Cancer Cells Gene Expression Signature As Response to 5- Fluorouracil, Oxaliplatin, and Folinic Acid Treatment. *Front Pharmacol*. 2016; 7:172.
302. Dehelean CA, Soica C, Pinzaru I, Coricovac D, Danciu C, Pavel I, Borcan F, Spandidos DA, **Tsatsakis AM**, Baderca F. Sex differences and pathology status correlated to the toxicity of some common carcinogens in experimental skin carcinoma. *Food Chem Toxicol*. 2016; 95:149-58.
303. Tsitsimpikou C, Vasilaki F, Tsarouhas K, Fragkiadaki P, Tzardi M, Goutzourelas N,

- Nepka C, Kalogeraki A, Heretis I, Epitropaki Z, Kouretas D, **Tsatsakis** AM. Nephrotoxicity in rabbits after long-term nandrolone decanoate administration. *Toxicol Lett.* 2016; 259:21-27.
304. Wilks MF, Blaauboer BJ, Schulte-Hermann R, Wallace HM, Galli CL, Haag-Grönlund M, Matović V, Teixeira JP, Zilliacus J, Basaran N, Bonefeld-Jørgensen EC, Bourrinet P, Brueller W, Claude N, Miranda JP, Gundert-Remy U, Håkansson H, Kovatsi L, Liesivuori J, Lindeman B, Lison D, Leconte I, Martínez-López E, Murias M, Michel C, Scheepers PT, Stanley L, **Tsatsakis** AM. The European Registered Toxicologist (ERT): Current status and prospects for advancement. *Toxicol Lett.* 2016; 259:151-5.
305. Vardavas AI, Stivaktakis PD, Tzatzarakis MN, Fragkiadaki P, Vasilaki F, Tzardi M, Datseri G, Tsiaoussis J, Alegakis AK, Tsitsimpikou C, Rakitskii VN, Carvalho F, **Tsatsakis** AM. Long-term exposure to cypermethrin and piperonyl butoxide cause liver and kidney inflammation and induce genotoxicity in New Zealand white male rabbits. *Food Chem Toxicol.* 2016; 94:250-9.
306. Katsarou MS, Latsi R, Papasavva M, Demertzis N, Kalogridis T, **Tsatsakis** AM, Spandidos DA, Drakoulis N. Population-based analysis of the frequency of HFE gene polymorphisms: Correlation with the susceptibility to develop hereditary hemochromatosis. *Mol Med Rep.* 2016; 14(1):630-6.
307. Wallace H, Roberts R, Corsini E, Bonefeld-Jørgensen E, Orhan H, Mach M, Weiser T, Carvalho F, Iscan M, **Tsatsakis** A. Toxicology as an academic discipline in European Universities. *Toxicol Lett.* 2016; 254:63.
308. Zurac S, Neagu M, Constantin C, Cioplea M, Nedelcu R, Bastian A, Popp C, Nichita L, Andrei R, Tebeica T, Tanase C, Chitu V, Caruntu C, Ghita M, Popescu C, Boda D, Mastalier B, Maru N, Daha C, Andreescu B, Marinescu I, Rebosapca A, Staniceanu F, Negroiu G, Ion DA, Nikitovic D, Tzanakakis GN, Spandidos DA, **Tsatsakis** AM. Variations in the expression of TIMP1, TIMP2 and TIMP3 in cutaneous melanoma with regression and their possible function as prognostic predictors. *Oncol Lett.* 2016; 11(5):3354-3360.
309. Ghita MA, Caruntu C, Rosca AE, Kaleshi H, Caruntu A, Moraru L, Docea AO, Zurac S, Boda D, Neagu M, Spandidos DA, **Tsatsakis** AM. Reflectance confocal microscopy and dermoscopy for in vivo, non-invasive skin imaging of superficial basal cell carcinoma. *Oncol Lett.* 2016; 11(5):3019-3024.
310. Koureas M, Karagkouni F, Rakitskii V, Hadjichristodoulou C, **Tsatsakis** AM, Tsakalof A. Serum levels of organochlorine pesticides in the general population of Thessaly, Greece, determined by HS-SPME GC-MS method. *Environ Res.* 2016; 148:318-21.
311. Negrei C, Bojinca V, Balanescu A, Bojinca M, Baconi D, Spandidos DA, **Tsatsakis** AM, Stan M. Management of rheumatoid arthritis: Impact and risks of various therapeutic approaches. *Exp Ther Med.* 2016; 11(4):1177-1183.
312. Galateanu B, Hudita A, Negrei C, Ion RM, Costache M, Stan M, Nikitovic D, Hayes AW, Spandidos DA, **Tsatsakis** AM, Ginghina O. Impact of multicellular tumor spheroids as an in vivo like tumor model on anticancer drug response. *Int J Oncol.* 2016; 48(6):2295-302.
313. Spanidis Y, Mpesios A, Stagos D, Goutzourelas N, Bar-Or D, Karapetsa M, Zakyntinos E, Spandidos DA, **Tsatsakis** AM, Leon G, Kouretas D. Assessment of the redox status in patients with metabolic syndrome and type 2 diabetes reveals great variations. *Exp Ther Med.* 2016; 11(3):895-903.
314. Piperigkou Z, Karamanou K, Engin AB, Gialeli C, Docea AO, Vynios DH, Pavão MS, Golokhvast KS, Shtilman MI, Argiris A, Shishatskaya E, **Tsatsakis** AM. Emerging aspects of nanotoxicology in health and disease: From agriculture and food sector to cancer therapeutics. *Food Chem Toxicol.* 2016 May;91:42-57.
315. Knipe DW, Jayasumana C, Siribaddana S, Priyadarshana C, Pearson M, Gunnell D, Metcalfe C, Tzatzarakis MN, **Tsatsakis** AM. Feasibility of hair sampling to assess levels of organophosphate metabolites in rural areas of Sri Lanka. *Environ Res.* 2016; 147:207-11.
316. Memariani T, Hosseini T, Kamali H, Mohammadi A, Ghorbani M, Shakeri A, Spandidos DA, **Tsatsakis** AM, Shahsavand S. Evaluation of the cytotoxic effects of *Cyperus longus* extract, fractions and its essential oil on the PC3 and MCF7 cancer cell lines. *Oncol Lett.* 2016; 11(2):1353-1360.
317. Raman V, Suresh S, Savarimuthu PA, Raman T, **Tsatsakis** AM, Golokhvast KS, Vadivel

- VK. Synthesis of Co<sub>3</sub>O<sub>4</sub> nanoparticles with block and sphere morphology, and investigation into the influence of morphology on biological toxicity. *Exp Ther Med*. 2016; 11(2):553-560.
- 318.Spanidis Y, Goutzourelas N, Stagos D, Mpesios A, Priftis A, Bar-Or D, Spandidos DA, **Tsatsakis** AM, Leon G, Kouretas D. Variations in oxidative stress markers in elite basketball players at the beginning and end of a season. *Exp Ther Med*. 2016; 11(1):147-153.
- 319.Fenga C, Gangemi S, Giambò F, Tsitsimpikou C, Golokhvast K, **Tsatsakis** AM, Costa C. Low-dose occupational exposure to benzene and signal transduction pathways involved in the regulation of cellular response to oxidative stress. *Life Sci*. 2016; 147:67-70.
- 320.Costa C, Ozcagli E, Gangemi S, Schembri F, Giambò F, Androutsopoulos V, **Tsatsakis** AM, Fenga C. Molecular biomarkers of oxidative stress and role of dietary factors in gasoline station attendants. *Food Chem Toxicol*. 2016; 90:30-35.
- 321.Rezaee MA, Mohammadpour AH, Imenshahidi M, Mahmoudi M, Sankian M, Tsarouhas K, Tsakalof A, **Tsatsakis** AM, Moallem SA. Protective effect of erythropoietin on myocardial apoptosis in rats exposed to carbon monoxide. *Life Sci*. 2016; 148:118-24.
- 322.Stivaktakis PD, Kavvalakis MP, Tzatzarakis MN, Alegakis AK, Panagiotakis MN, Fragkiadaki P, Vakonaki E, Ozcagli E, Hayes WA, Rakitskii VN, **Tsatsakis** AM. Long-term exposure of rabbits to imidacloprid as quantified in blood induces genotoxic effect. *Chemosphere*. 2016; 149:108-113.
- 323.Ozcagli E, Alpertunga B, Fenga C, Berktaş M, Tsitsimpikou C, Wilks MF, **Tsatsakis** AM. Effects of 3-monochloropropane-1,2-diol (3-MCPD) and its metabolites on DNA damage and repair under in vitro conditions. *Food Chem Toxicol*. 2015; 89:1-7.
- 324.AyşeBasakEngin, Monica Neagu, Kirill Golokhvast, Aristidis**Tsatsakis**. Nanoparticles and endothelium: an update on the toxicological interactions. *Farmacía*. 2015; Vol. 63, 6
- 325.Spanidis Y., Goutzourelas N., Stagos D., Mpesios, A., Priftis A., Bar-Or, D., Spandidos D.A., **Tsatsakis** A.M., Leon, G., Kouretas, D. Variations in oxidative stress markers in elite basketball players at the beginning and end of a season. *Experimental And Therapeutic Medicine*. 2016; 11(1): 147-153.
- 326.Vardavas AI, Fragkiadaki P, Alegakis AK, Dimitrios K, Goutzourelas N, Tsiaoussis J, Tsitsimpikou C, Stivaktakis PD, Carvalho F, **Tsatsakis** AM. Downgrading the systemic condition of rabbits after long term exposure to cypermethrin and piperonyl butoxide. *Life Sci*. 2015; 145:114-20.
- 327.Vitkina TI, Yankova VI, Gvozdenko TA, Kuznetsov VL, Krasnikov DV, Nazarenko AV, Chaika VV, Smagin SV, **Tsatsakis** A, Engin AB, Karakitsios SP, Sarigiannis DA, Golokhvast KS. The impact of multi-walled carbon nanotubes with different amount of metallic impurities on immunometabolic parameters in healthy volunteers. *Food Chem Toxicol*. 2015; 87:138-47.
- 328.Georgakouli K, Manthou E, Fatouros IG, Deli CK, Spandidos DA, **Tsatsakis** AM, Kouretas D, Koutedakis Y, Theodorakis Y, Jamurtas AZ. Effects of acute exercise on liver function and blood redox status in heavy drinkers. *Exp Ther Med*. 2015;10(6):2015-2022.
- 329.Margină D, Olaru OT, Ilie M, Grădinaru D, Guțu C, Voicu S, Dinischiotu A, Spandidos DA, **Tsatsakis** AM. Assessment of the potential health benefits of certain total extracts from *Vitis vinifera*, *Aesculus hippocastanum* and *Curcuma longa*. *Exp Ther Med*. 2015; 10(5):1681-1688.
- 330.Olaru OT, Venables L, VAN DE Venter M, Nitulescu GM, Margina D, Spandidos DA, **Tsatsakis** AM. Anticancer potential of selected *FallopiaAdans* species. *Oncol Lett*. 201; 10(3):1323-1332.
- 331.Vasilaki F, Tsitsimpikou C, Tsarouhas K, Germanakis I, Tzardi M, Kavvalakis M, Ozcagli E, Kouretas D, **Tsatsakis** AM. Cardiotoxicity in rabbits after long-term nandrolone decanoate administration. *Toxicol Lett*. 2015; 241:143-151.
- 332.Piperigkou Z, Karamanou K, Afratis NA, Bouris P, Gialeli C, Belmiro CL, Pavão MS, Vynios DH, **Tsatsakis** AM. Biochemical and toxicological evaluation of nano-heparins in cell functional properties, proteasome activation and expression of key matrix molecules. *Toxicol Lett*. 201; 240(1):32-42.

333. García-García CR, Parrón T, Requena M, Alarcón R, **Tsatsakis** AM, Hernández AF. Occupational pesticide exposure and adverse health effects at the clinical, hematological and biochemical level. *Life Sci.* 2015; 145:274-83.
334. Priftis A, Stagos D, Konstantinopoulos K, Tsitsimpikou C, Spandidos DA, **Tsatsakis** AM, Tzatzarakis MN, Kouretas D. Comparison of antioxidant activity between green and roasted coffee beans using molecular methods. *Mol Med Rep.* 2015; 12(5):7293-302
335. Ozcagli E, Alpertunga B, **Tsatsakis** AM. Biosimilar Drugs and Pharmacovigilance. *Pharm Anal Acta* 2015; 6: 416.
336. Valente A, Carrillo AE, Tzatzarakis MN, Vakonaki E, **Tsatsakis** AM, Kenny GP, Koutedakis Y, Jamurtas AZ, Flouris AD. The absorption and metabolism of a single L-menthol ORAL versus SKIN administration: Effects on thermogenesis and metabolic rate. *Food Chem Toxicol.* 2015; 86:262-73.
337. Moallem SA, Mohamadpour AH, Abnous K, Sankian M, Sadeghnia HR, **Tsatsakis** A, Shamsavand S. Erythropoietin in the treatment of carbon monoxide neurotoxicity in rat. *Food Chem Toxicol.* 2015; 86:56-64.
338. Goutzourelas N, Stagos D, Spanidis Y, Liosi M, Apostolou A, Priftis A, Haroutounian S, Spandidos DA, **Tsatsakis** AM, Kouretas D. Polyphenolic composition of grape stem extracts affects antioxidant activity in endothelial and muscle cells. *Mol Med Rep.* 2015; 12(4):5846-56.
339. Golokhvast KS, Chernyshev VV, Chaika VV, Ugay SM, Zelinskaya EV, **Tsatsakis** AM, Karakitsios SP, Sarigiannis DA. Size-segregated emissions and metal content of vehicle-emitted particles as a function of mileage: Implications to population exposure. *Environ Res.* 2015; 142:479-485.
340. Goutzourelas N, Stagos D, Housmekeridou A, Karapoulou C, Kerasiote E, Aligiannis N, Skaltsounis AL, Spandidos DA, **Tsatsakis** AM, Kouretas D. Grape pomace extract exerts antioxidant effects through an increase in GCS levels and GST activity in muscle and endothelial cells. *Int J Mol Med.* 2015; 36(2):433-41.
341. Golokhvast K, Vitkina T, Gvozdenko T, Kolosov V, Yankova V, Kondratieva E, Gorkavaya A, Nazarenko A, Chaika V, Romanova T, Karabtsov A, Perelman J, Kiku P, **Tsatsakis** A. Impact of Atmospheric Microparticles on the Development of Oxidative Stress in Healthy City/Industrial Seaport Residents. *Oxid Med Cell Longev.* 2015; 2015:412173.
342. Dragana Nikitovic, Maria Tzardi, Aikaterini Berdiaki, Aristidis **Tsatsakis** and George N. Tzanakakis. Cancer microenvironment and inflammation: role of hyaluronan. *Front. Immunol.* 2015; 6:169.
343. Kavvalakis MP, Stivaktakis PD, Tzatzarakis MN, Kouretas D, Liesivuori J, Alegakis AK, Vynias D, **Tsatsakis** AM. Multicomponent Analysis of Replacement Liquids of Electronic Cigarettes Using Chromatographic Techniques. *J Anal Toxicol.* 2015; 39(4):262-9.
344. Tzatzarakis MN, Vakonaki E, Kovatsi L, Belivanis S, Mantsi M, Alegakis A, Liesivuori J, **Tsatsakis** AM. Determination of Buprenorphine, Norbuprenorphine and Naloxone in Fingernail Clippings and Urine of Patients Under Opioid Substitution Therapy. *J Anal Toxicol.* 2015; 39(4):313-20.
345. Kerksick CM, **Tsatsakis** AM, Hayes AW, Kafantaris I, Kouretas D. How can bioinformatics and toxicogenomics assist the next generation of research on physical exercise and athletic performance. *J Strength Cond Res.* 2015; 29(1):270-8.
346. Tsakiris IN, Goumenou M, Tzatzarakis MN, Alegakis AK, Tsitsimpikou C, Ozcagli E, Vynias D, **Tsatsakis** AM. Risk assessment for children exposed to DDT residues in various milk types from the Greek market. *Food Chem Toxicol.* 2015; 75:156-65.
347. Manolis N, Tzatzarakis MN, Vakonaki E, Matthaïos P, Kavvalakis MP, Michael Barmpas, Emmanouel N, Kokkinakis, Kyriakos Xenos, Aristidis M. **Tsatsakis**. Biomonitoring of bisphenol A in hair of Greek population. *Chemosphere.* 2015; 118:336-41.
348. Golokhvast K, Vitkina T, Gvozdenko T, Kolosov V, Yankova V, Kondratieva E, Gorkavaya A, Nazarenko A, Chaika V, Romanova T, Karabtsov A, Perelman J, Kiku P, **Tsatsakis** A. Impact of Atmospheric Microparticles on the Development of Oxidative Stress in Healthy City/Industrial Seaport Residents. *Oxid Med Cell Longev.* 2015; 2015:412173
349. Tzatzarakis MN, Vakonaki E, Kovatsi L, Belivanis S, Mantsi M, Alegakis A, Liesivuori J, **Tsatsakis** AM. Determination of buprenorphine, norbuprenorphine and naloxone in

- fingernail clippings and urine of patients under opioid substitution therapy. *J Anal Toxicol.* 2015; 39(4):313-20.
350. Tzatzarakis MN, Vakonaki E, Kavvalakis MP, Barmpas M, Kokkinakis EN, Xenos K, **Tsatsakis** AM. Biomonitoring of bisphenol A in hair of Greek population. *Chemosphere.* 2015; 118:336-41.
351. Spyrou I, Sifakis S, Ploumidis A, Papalampros AE, Felekouras E, **Tsatsakis** AM, Spandidos DA, Androutsopoulos VP. Expression profile of CYP1A1 and CYP1B1 enzymes in endometrial tumors. *Tumour Biol.* 2014; 35(10):9549-56.
352. Belivanis S, Tzatzarakis MN, Vakonaki E, Kovatsi L, Mantsi M, Alegakis A, Kavvalakis MP, Vynias D, **Tsatsakis** AM. Buprenorphine and nor-buprenorphine levels in head hair samples from former heroin users under Suboxone® treatment. *Drug Test Anal.* 2014; 6 Suppl 1:93-100.
353. Misailidi M, Tzatzarakis MN, Kavvalakis MP, Koutedakis Y, **Tsatsakis** AM, Flouris AD. Instruments to assess secondhand smoke exposure in large cohorts of never smokers: the smoke scales. *PLoS One.* 2014; 9(1):e85809.
354. Baltazar MT, Dinis-Oliveira RJ, de Lourdes Bastos M, **Tsatsakis** AM, Duarte JA, Carvalho F. Pesticides exposure as etiological factors of Parkinson's disease and other neurodegenerative diseases-A mechanistic approach. *Toxicol Lett.* 2014; 230(2):85-103.
355. Sahpazidou D, Geromichalos GD, Stagos D, Apostolou A, Haroutounian SA, **Tsatsakis** AM, Tzanakakis GN, Hayes AW, Kouretas D. Anticarcinogenic activity of polyphenolic extracts from grape stems against breast, colon, renal and thyroid cancer cells. *Toxicol Lett.* 2014; 230(2):218-24.
356. Matsunaga Y, Vardavas CI, Plada M, Wärnberg J, Gómez-Martínez S, Tzatzarakis MN, **Tsatsakis** AM, Díaz EL, Marcos A, Kafatos AG. The relationship between cotinine concentrations and inflammatory markers among highly secondhand smoke exposed non-smoking adolescents. *Cytokine.* 2014; 66(1):17-22.
357. Kerasioti E, Stagos D, Priftis A, Aivazidis S, **Tsatsakis** AM, Hayes AW, Kouretas D. Antioxidant effects of whey protein on muscle C2C12 cells. *Food Chem.* 2014; 155:271-8.
358. Koutroulakis D, Sifakis S, Tzatzarakis MN, Alegakis AK, Theodoropoulou E, Kavvalakis MP, Kappou D, **Tsatsakis** AM. Dialkyl phosphates in amniotic fluid as a biomarker of fetal exposure to organophosphates in Crete, Greece; association with fetal growth. *Reprod Toxicol.* 2014; 46:98-105.
359. Kavvalakis MP, Tzatzarakis MN, Alegakis AK, Vynias D, Tsakalof AK, **Tsatsakis** AM. Development and application of GC-MS method for monitoring of long-term exposure to the pesticide cypermethrin. *Drug Test Anal.* 2014; 6 Suppl 1:9-16.
360. Tzatzarakis MN, Barbounis EG, Kavvalakis MP, Vakonaki E, Renieri E, Vardavas AI, **Tsatsakis** AM. Rapid method for the simultaneous determination of DDTs and PCBs in hair of children by headspace solid phase microextraction and gas chromatography-mass spectrometry (HSSPME/GC-MS). *Drug Test Anal.* 2014; 6 Suppl 1:85-92.
361. Belivanis S, Tzatzarakis MN, Vakonaki E, Kovatsi L, Mantsi M, Alegakis A, Kavvalakis MP, Vynias D, **Tsatsakis** AM. Buprenorphine and nor-buprenorphine levels in head hair samples from former heroin users under Suboxone® treatment. *Drug Test Anal.* 2014; 6 Suppl 1:93-100.
362. Zafiroopoulos A, Tsarouhas K, Tsitsimpikou C, Fragkiadaki P, Germanakis I, Tsardi M, Maravgakis G, Goutzourelas N, Vasilaki F, Kouretas D, Hayes A, **Tsatsakis** A. Cardiotoxicity in rabbits after a low-level exposure to diazinon, propoxur, and chlorpyrifos. *Hum Exp Toxicol.* 2014; 33(12):1241-52.
363. Matthaiou CM, Goutzourelas N, Stagos D, Sarafoglou E, Jamurtas A, Koulocheri SD, Haroutounian SA, **Tsatsakis** AM, Kouretas D. Pomegranate juice consumption increases GSH levels and reduces lipid and protein oxidation in human blood. *Food Chem Toxicol.* 2014; 73:1-6.
364. Dinas PC, Metsios GS, Jamurtas AZ, Tzatzarakis MN, Wallace Hayes A, Koutedakis Y, **Tsatsakis** AM, Flouris AD. Acute effects of second-hand smoke on complete blood count. *Int J Environ Health Res.* 2014; 24(1):56-62.
365. Michalakis M, Tzatzarakis MN, Kovatsi L, Alegakis AK, Tsakalof AK, Heretis I, **Tsatsakis** AM. Hypospadias in offspring is associated with chronic exposure of parents to organophosphate and organochlorine pesticides. *Toxicol Lett.* 2014; 230(2):139-45.

366. Androutopoulos VP, **Tsatsakis** AM. Benzo[a]pyrene sensitizes MCF7 breast cancer cells to induction of G1 arrest by the natural flavonoid eupatorin-5-methyl ether, via activation of cell signaling proteins and CYP1-mediated metabolism. *Toxicol Lett.* 2013; 230(2):304-13.
367. Juránek I, Nikitovic D, Kouretas D, Hayes AW, **Tsatsakis** AM. Biological importance of reactive oxygen species in relation to difficulties of treating pathologies involving oxidative stress by exogenous antioxidants. *Food Chem Toxicol.* 2013; 61:240-7.
368. Kouretas D, **Tsatsakis** AM, Domingo JL, Wallace Hayes A. Mechanisms involved in oxidative stress regulation. *Food Chem Toxicol.* 2013 Nov;61:1-2. doi: 10.1016/j.fct.2013.10.016. Epub 2013 Oct 16.
369. Tsakirakis AN, Kasiotis KM, Charistou AN, Arapaki N, **Tsatsakis** AM, Tsakalof A, Machera K. Dermal & inhalation exposure of operators during fungicide application in vineyards. Evaluation of overall performance. *Sci Total Environ.* 2013; 470-471C:282-289.
370. Koureas M, Tsakalof A, Tzatzarakis M, Vakonaki E, **Tsatsakis** A, Hadjichristodoulou C. Biomonitoring of organophosphate exposure of pesticide sprayers and comparison of exposure levels with other population groups in Thessaly (Greece). *Occup Environ Med.* 2013; 71(2):126-33.
371. Vinceti M, Mandrioli J, Borella P, Michalke B, **Tsatsakis** A, Finkelstein Y. Selenium neurotoxicity in humans: Bridging laboratory and epidemiologic studies. *Toxicol Lett.* 2013; 230(2):295-303.
372. Kavvalakis MP, Tzatzarakis MN, Theodoropoulou EP, Barbounis EG, Tsakalof AK, **Tsatsakis** AM. Development and application of LC-APCI-MS method for biomonitoring of animal and human exposure to imidacloprid. *Chemosphere.* 2013; 93(10):2612-20.
373. Androutopoulos VP, Spyrou I, Ploumidis A, Papalampros AE, Kyriakakis M, Delakas D, Spandidos DA, **Tsatsakis** AM. Expression Profile of CYP1A1 and CYP1B1 Enzymes in Colon and Bladder Tumors. *PLoS One.* 2013; 8(12).
374. Gubandru M, Margina D, Tsitsimpikou C, Goutzourelas N, Tsarouhas K, Ilie M, **Tsatsakis** AM, Kouretas D. Alzheimer's disease treated patients showed different patterns for oxidative stress and inflammation markers. *Food Chem Toxicol.* 2013; 61:209-14.
375. Flouris AD, Dinas PC, Tzatzarakis MN, Metsios GS, Kostikas K, Jamurtas AZ, **Tsatsakis** AM, Koutedakis Y. Exposure to secondhand smoke promotes sympathetic activity and cardiac muscle cachexia. *Int J Environ Health Res.* 2013 Jun 26. [Epub ahead of print]
376. Nikitovic D, Corsini E, Kouretas D, **Tsatsakis** A, Tzanakakis G. ROS-major mediators of extracellular matrix remodeling during tumor progression. *Food Chem Toxicol.* 2013 Nov;61:178-86.
377. Hernández AF, Gil F, Lacasaña M, Rodríguez-Barranco M, **Tsatsakis** AM, Requena M, Parrón T, Alarcón R. Pesticide exposure and genetic variation in xenobiotic-metabolizing enzymes interact to induce biochemical liver damage. *Food Chem Toxicol.* 2013 Nov;61:144-51.
378. Colosio C, Alegakis AK, **Tsatsakis** AM. Emerging health issues from chronic pesticide exposure: innovative methodologies and effects on molecular cell and tissue level. *Toxicology.* 2013 May 10;307:1-2.
379. Kerkisick CM, Willoughby D, Kouretas D, **Tsatsakis** A. Intramuscular responses with muscle damaging exercise and the interplay between multiple intracellular networks: A human perspective. *Food Chem Toxicol.* 2013 Nov;61:136-43.
380. Prodanchuk MG, **Tsatsakis** AM, Prodanchuk GM, Tsakalof AK. Investigation of in vivo toxicity of hydroxylamine sulfate and the efficiency of intoxication treatment by  $\alpha$ -tocopherol acetate and methylene blue. *Food Chem Toxicol.* 2013 Nov;61:227-32.
381. Mrema EJ, Rubino FM, Brambilla G, Moretto A, **Tsatsakis** AM, Colosio C. Persistent organochlorinated pesticides and mechanisms of their toxicity. *Toxicology.* 2013 May 10;307:74-88.
382. Nikitovic D, Berdiaki A, Banos A, **Tsatsakis** A, Karamanos NK, Tzanakakis GN. Could growth factor-mediated extracellular matrix deposition and degradation offer the ground for directed pharmacological targeting in fibrosarcoma? *Curr Med Chem.* 2013;20(23):2868-80.
383. Flouris AD, Chorti MS, Poulianiti KP, Jamurtas AZ, Kostikas K, Tzatzarakis MN, Wallace

- Hayes A, **Tsatsakis** AM, Koutedakis Y. Acute impact of active and passive electronic cigarette smoking on serum cotinine and lung function. *Inhal Toxicol.* 2013 Feb;25(2):91-101.
384. Germanakis I, Tsarouhas K, Fragkiadaki P, Tsitsimpikou C, Goutzourelas N, Champsas MC, Stagos D, Rentoukas E, **Tsatsakis** AM. Oxidative stress and myocardial dysfunction in young rabbits after short term anabolic steroids administration. *Food Chem Toxicol.* 2013 Nov;61:101-5.
385. Corsini E, Galbiati V, Nikitovic D, **Tsatsakis** AM. Role of oxidative stress in chemical allergens induced skin cells activation. *Food Chem Toxicol.* 2013 Nov;61:74-81. doi
386. Tsakiris IN, Tzatzarakis MN, Alegakis AK, Vlachou MI, Renieri EA, **Tsatsakis** AM. Risk assessment scenarios of children's exposure to aflatoxin M1 residues in different milk types from the Greek market. *Food Chem Toxicol.* 2013 Jun;56:261-5.
387. Zaganas I, Kapetanaki S, Mastorodemos V, Kanavouras K, Colosio C, Wilks MF, **Tsatsakis** AM. Linking pesticide exposure and dementia: what is the evidence? *Toxicology.* 2013 May 10;307:3-11.
388. Apostolou A, Stagos D, Galitsiou E, Spyrou A, Haroutounian S, Portesis N, Trizoglou I, Wallace Hayes A, **Tsatsakis** AM, Kouretas D. Assessment of polyphenolic content, antioxidant activity, protection against ROS-induced DNA damage and anticancer activity of *Vitis vinifera* stem extracts. *Food Chem Toxicol.* 2013 Nov;61:60-8.
389. Kerasioti E, Stagos D, Jamurtas A, Kiskini A, Koutedakis Y, Goutzourelas N, Pournaras S, **Tsatsakis** AM, Kouretas D. Anti-inflammatory effects of a special carbohydrate-whey protein cake after exhaustive cycling in humans. *Food Chem Toxicol.* 2013 Nov;61:42-6.
390. Dardiotis E, Xiromerisiou G, Hadjichristodoulou C, **Tsatsakis** AM, Wilks MF, Hadjigeorgiou GM. The interplay between environmental and genetic factors in Parkinson's disease susceptibility: the evidence for pesticides. *Toxicology.* 2013 May 10;307:17-23.
391. Kovatsi L, Batzios S, Nikolaou K, Fragou D, Njau S, **Tsatsakis** A, Karakioulakis G, Papakonstantinou E. Alterations in serum MMP and TIMP concentrations following chronic heroin abuse. *Toxicol Mech Methods.* 2013 Jun;23(5):377-81.
392. Kavvalakis MP, **Tsatsakis** AM. The atlas of dialkylphosphates; assessment of cumulative human organophosphorus pesticides' exposure. *Forensic science international.* 2012 May 10;218(1-3):111-22.
393. Stagos D, Amoutzias GD, Matakos A, Spyrou A, **Tsatsakis** AM, Kouretas D. Chemoprevention of liver cancer by plant polyphenols. *Food Chem Toxicol.* 2012 Jun;50(6):2155-70
394. Tsitsimpikou C, Tzatzarakis M, Fragkiadaki P, Kovatsi L, Stivaktakis P, Kalogeraki A, Kouretas D, **Tsatsakis** AM. Histopathological lesions, oxidative stress and genotoxic effects in liver and kidneys following long term exposure of rabbits to diazinon and propoxur. *Toxicology* 2013 May 10;307:109-14.
395. Mrema EJ, Rubino FM, Brambilla G, Moretto A, **Tsatsakis** AM, Colosio C. Persistent organochlorinated pesticides and mechanisms of their toxicity. *Toxicology* 2013 May 10;307:74-88.
396. Nikitovic D, Chatzinikolaou G, Tsiaoussis J, **Tsatsakis** A, Karamanos NK. Insights into Targeting Colon Cancer Cell Fate at the Level of Proteoglycans/Glycosaminoglycans. *Current Medicinal Chemistry* 19 (25), 4247-4258.
397. Vlata Z, **Tsatsakis** A, Tzagournissakis M, Krambovitis E. Endocrine. Evaluation of Specific Immune Responses to BoNT/A and Tetanus Toxoid in Patients Undergoing Treatment for Neurologic Disorders. *Metabolic & Immune Disorders-Drug Targets (Formerly Current Dru* 12 (3) 268-273
398. Papandreou C, Schiza SE, Tzatzarakis MN, Kavalakis M, Hatzis CM, **Tsatsakis** AM. Effect of Mediterranean diet on lipid peroxidation marker TBARS in obese patients with OSAHS under CPAP treatment: a randomised trial. *Sleep and Breathing* 16 (3), 873-879.
399. Stagos D, Portesis N, Spanou C, **Tsatsakis** AM, Mossialos D, Aligiannis N, Chaita E. Correlation of total polyphenolic content with antioxidant and antibacterial activity of 24 extracts from Greek domestic Lamiaceae species. *Food Chem. Toxicol.* 50 (2012) 4115-4124.
400. Flouris AD, Poulianiti KP, Chorti MS, Jamurtas AZ, Kouretas D, Owolabi EO, **Tsatsakis**

- AM. Acute Effects of Electronic and Tobacco Cigarette Smoking on Complete Blood Count. *Food Chem. Toxicol.* 2012;50(10): 3600-3603.
401. Surichan S, Androutsopoulos VP, Sifakis S, Koutala E, **Tsatsakis AM**. Bioactivation of the citrus flavonoid nobiletin by CYP1 enzymes in MCF7 breast adenocarcinoma cells. *Food Chem. Toxicol.* 2012; 50 (9):3320–3328
402. Hernández AF, Parrón T, **Tsatsakis AM**, Requena M, Alarcón R, López-Guarnido O. Toxic effects of pesticide mixtures at a molecular level: their relevance to human health. *Toxicology* 2013 (10) 307:136-45
403. Barbounis EG, Tzatzarakis MN, Alegakis AK, Kokkinaki A, Karamanos N, **Tsatsakis AM**. Assessment of PCBs exposure in human hair using double focusing high resolution mass spectrometry and single quadrupole mass spectrometry. *Toxicology letters* 210 (2), 225-231.
404. **Tsatsakis AM**, Christakis-Hampas M, Liesivuori J. The increasing significance of biomonitoring for pesticides and organic pollutants. *Toxicology letters* 2012, 210 (2), 107.
405. Kerasiotti E, Kiskini A, Veskoukis A, Jamurtas A, Tsitsimpikou C, **Tsatsakis AM**. Effect of a special carbohydrate-protein cake on oxidative stress markers after exhaustive cycling in humans. *Food Chem Toxicol.* 2012 Aug;50(8):2805-10
406. Tzatzarakis MN, Vardavas CI, Terzi I, Kavvalakis M, Kokkinakis M, **Tsatsakis AM**. Hair nicotine/cotinine concentrations as a method of monitoring exposure to tobacco smoke among infants and adults. *Human & experimental toxicology* 31 (3), 258-265.
407. **Tsatsakis AM**, Tutudaki M, Tzatzarakis MN, Dawson A, Mohamed F, Christaki M, Alegakis AK. Is hair analysis for dialkyl phosphate metabolites a suitable biomarker for assessing past acute exposure to organophosphate pesticides? *Hum Exp Toxicol.* 2012 Mar;31(3):266-73.
408. Flouris AD, Metsios GS, Carrill AE, Jamurtas AZ, Stivaktakis PD, **Tsatsakis AM**. Respiratory and Immune Response to Maximal Physical Exertion following Exposure to Secondhand Smoke in Healthy Adults. *PloS one* 7 (2), e31880.
409. Rubino FM, Mandic-Rajcevic S, Ariano E, Alegakis A, Bogni M, Brambilla G, **Tsatsakis AM**. Farmers' exposure to herbicides in North Italy: Assessment under real-life conditions in small-size rice and corn farms. *Toxicol. Lett.* 210:189–197.
410. Diakonis VF, Grentzelos MA, Tzatzarakis MN, Kankaria V, Karavitaki A, Aristidis M **Tsatsakis**. Riboflavin's time-dependent degradation rate induced by ultraviolet A irradiation. *European Journal of Ophthalmology* 22 (3), 51.
411. Veskoukis AS, **Tsatsakis AM**, Kouretas D. Dietary oxidative stress and antioxidant defense with an emphasis on plant extract administration. *Cell Stress and Chaperones* 17 (1), 11-21.
412. Chalkiadaki G, Nikitovic D, Katonis P, Berdiaki A, **Tsatsakis AM**. Low molecular weight heparin inhibits melanoma cell adhesion and migration through a PKCa/JNK signaling pathway inducing actin cytoskeleton changes. *Cancer Letters* 312 (2), 235-244.
413. Loukopoulou AN, Vardavas CI, Farmakides G, Rossolymos C, Chrelias C, **Tsatsakis AM**. Design and study protocol of the maternal smoking cessation during pregnancy study, (M-SCOPE). *BMC public health* 11 (1), 903.
414. Kanavouras K, Tzatzarakis MN, Mastorodemos V, Plaitakis A, **Tsatsakis AM**. A case report of motor neuron disease in a patient showing significant level of DDTs, HCHs and organophosphate metabolites in hair as well as levels of hexane and toluene in blood. *Toxicol Appl Pharmacol.* 2011 Nov 1;256(3):399-404.
415. Androutsopoulos VP, Kanavouras K, **Tsatsakis AM**. Role of paraoxonase 1 (PON1) in organophosphate metabolism: implications in neurodegenerative diseases. *Toxicol Appl Pharmacol.* 2011; 256(3):418-24.
416. Maravgakis G, Tzatzarakis MN, Alegakis AK, Stivaktakis PD, **Tsatsakis AM**. Diethyl phosphates accumulation in rabbits' hair as an indicator of long term exposure to diazinon and chlorpyrifos. *Forensic Sci Int.* 2012 May 10;218(1-3):106-10
417. **Tsatsakis AM**, Androutsopoulos VP, Zafiroopoulos A, Babatsikou F, Alegakis T, Dialynal, Tzatzarakis M, Koutis C. Associations of xenobiotic-metabolizing enzyme genotypes PON1Q192R, PON1L55M and CYP1A1\*2A MspI with pathological symptoms of a rural population in south Greece. *Xenobiotica.* 2011 Oct;41(10):914-25.
418. Colosio C, Rubino FM, Alegakis A, Ariano E, Brambilla G, Mandic-Rajcevic S, Metruccio F., Minoia C., Moretto A., Somaruga C., **Tsatsakis A.**, Turci R., Vellere F. Integration of

- biological monitoring, environmental monitoring and computational modelling into the interpretation of pesticide exposure data: Introduction to a proposed approach. *Toxicol. Lett.* 213 (2012) 49–56.
419. Artyukhov AA, Shtilman MI, Kuskov AN, Fomina AP, Lisovyy DE, Golunova AS, **Tsatsakis** AM. Macroporous polymeric hydrogels formed from acrylate modified polyvinyl alcohol macromers. *Journal of Polymer Research* 2011, 18 (4), 667-673.
420. Tsakirakis A, Kasiotis KM, Arapaki N, Charistou A, **Tsatsakis** A, Glass CR, Machera K. Determination of operator exposure levels to insecticide during bait applications in olive trees: Study of overall performance and duration of application. *Int J Hyg Environ Health.* 2011 Jan;214(1):71-8.
421. Artyukhov AA, Shtilman MI, Kuskov AN, Pashkova LI, **Tsatsakis** AM, Rizos AK. Polyvinyl alcohol cross-linked macroporous polymeric hydrogels: Structure formation and regularity investigation. *J. Non. Cryst. Solids.* 357 (2011) 700–706.
422. Tsitsimpikou C, Chrisostomou N, Papalexis P, Tsarouhas K, **Tsatsakis** A, Jamurtas A. The use of nutritional supplements among recreational athletes in Athens, Greece. *Int J Sport NutrExercMetab.* 2011 Oct;21(5):377-84.
423. Tsarouhas K, Soufla G, Apostolakis S, Zaravinos A, Panagiotou M, Houry M, Hassoulas JA, **Tsatsakis** AM, Spandidos DA. Transcriptional regulation of TIMPs in ascending aorta aneurysms. *Thrombosis Research* 2010, 126(5):399-405.
424. Vardavas CI, Plada M, Tzatzarakis M, Marcos A, Warnberg J, Gomez-Martinez S, Breidenassel C, Gonzalez-Gross M, **Tsatsakis** AM, Saris WH, Moreno LA, Kafatos AG. Passive smoking alters circulating naïve/memory lymphocyte T-cell subpopulations in children. *Pediatric Allergy and Immunology* 2010, 21(8):1171-1178.
425. Papadantonakis P, Neofotistou O, Vasiliadi A, Skoutelis A, **Tsatsakis** A, Tosca A, Krüger-Krasagakis S. Porphyria cutanea tarda and beta-thalassaemia major: causal or casual? *Journal Of The European Academy Of Dermatology And Venereology* 2010, 24(10):1242-1243.
426. **Tsatsakis** AM, Barbounis MG, Kavalakis M, Kokkinakis M, Terzi I, Tzatzarakis MN. Determination of dialkyl phosphates in human hair for the biomonitoring of exposure to organophosphate pesticides. *Journal Of Chromatography B-Analytical Technologies In The Biomedical And Life Sciences* 2010, 15;878(17-18):1246-1252.
427. Vardavas CI, Tzatzarakis MN, Plada M, **Tsatsakis** AM, Papadaki A, Saris WH, Moreno LA, Kafatos AG; HELENA Heraklion Study Group. Biomarker evaluation of Greek adolescents' exposure to secondhand smoke. *Human & Experimental Toxicology* 2010, 29(6):459-466.
428. Symvoulakis EK, Vardavas CI, Fountouli P, Stavroulaki A, Antoniou KM, Duijker G, Tzatzarakis MN, Sfiridaki K, Bolonaki E, Alegakis T, **Tsatsakis** AM. Time interval from cigarette smoke exposure to blood donation and markers of inflammation: should a smoking cut-off be designated? *Xenobiotica* 2010, 40(9):613-620.
429. Kuskov AN, Voskresenskaya AA, Goryachaya AV, Shtilman MI, Spandidos DA, Rizos AK, **Tsatsakis** AM. Amphiphilic poly-N-vinylpyrrolidone nanoparticles as carriers for non-steroidal anti-inflammatory drugs: characterization and in vitro controlled release of indomethacin. *International Journal Of Molecular Medicine* 2010, 26(1):85-94.
430. Zafiroopoulos A, Linardakis M, Jansen EH, **Tsatsakis** AM, Kafatos A, Tzanakakis GN. Paraoxonase 1 R/Q alleles are associated with differential accumulation of saturated versus 20:5n3 fatty acid in human adipose tissue. *Journal Of Lipid Research* 2010, 51(7):1991-2000.
431. Kuskov AN, Voskresenskaya AA, Goryachaya AV, Artyukhov AA, Shtilman MI, **Tsatsakis** AM. Preparation and characterization of amphiphilic poly-N-vinylpyrrolidone nanoparticles containing indomethacin. *Journal Of Materials Science-Materials In Medicine* 2010, 21(5):1521-1530.
432. Berdiaki A, Datsis GA, Nikitovic D, **Tsatsakis** A, Katonis P, Karamanos NK, Tzanakakis GN. Parathyroid hormone (PTH) peptides through the regulation of hyaluronan metabolism affect osteosarcoma cell migration. *IUBMB LIFE* 2010, 62(5):377-386.
433. Claude N, Christakis M, **Tsatsakis** AM. Stem cells technologies in toxicology assessments. *Toxicology* 2010, 30;270(1):1-2.
434. Saroglou M, Tryfon S, Ismailos G, Liapakis I, Tzatzarakis M, **Tsatsakis** A, Papalois A, Bouros D. Pharmacokinetics of Linezolid and Ertapenem in experimental

- parapneumonic pleural effusion. *Journal Of Inflammation-London* 2010, 18;7:22.
435. Tzatzarakis MN, **Tsatsakis** AM. Organochlorine and Organophosphate Pesticides Monitoring in Non Conventional Biological Samples. *Journal of Medical Chemical, Biological & Radiological Defense*; 2010, Vol. 8, p221.
436. Stiakakis I., Belivanis S.D., Tzatzarakis M.N., Fragoulis M., **Tsatsakis** A.M. Disputed case of homicide by smothering due to severe amitriptyline intoxication of the victim. *Journal Of Forensic And Legal Medicine* 2009, 16 (5), 280-283
437. Margariti M., **Tsatsakis** A.M. Assessment of long-term subacute exposure to dimethoate by hair analysis of dialkyl phosphates DMP and DMTP in exposed rabbits: the effects of dose, dose duration and hair colour. *Environmental Research* 2009, 109(7):821-829.
438. Androutsopoulos VP, Ruparella K, Arroo RR, **Tsatsakis** AM, Spandidos DA. CYP1-mediated antiproliferative activity of dietary flavonoids in MDA-MB-468 breast cancer cells. *Toxicology* 2009, 29;264(3):162-170.
439. Stiakakis I, Belivanis SD, Tzatzarakis MN, Fragoulis M, **Tsatsakis** AM. Disputed case of homicide by smothering due to severe amitriptyline intoxication of the victim. *Journal of forensic and legal medicine* 2009, 16 (5), 280-283.
440. Flouris AD, Metsios GS, Carrillo AE, Jamurtas AZ, Germeis AE, Gourgoulis K, Kiropoulos T, Tzatzarakis MN, **Tsatsakis** AM, Koutedakis Y. Acute and short-term effects of secondhand smoke on lung function and cytokine production. *American journal of respiratory and critical care medicine* 2009, 1;179(11):1029-1033.
441. Margariti, M.G., **Tsatsakis**, A.M. Analysis of dialkyl phosphate metabolites in hair using gas chromatography-mass spectrometry: a biomarker of chronic exposure to organophosphate pesticides. *Biomarkers* 2009, 14(3), 137-147.
442. **Tsatsakis** A.M., Tzatzarakis, M.N., Koutroulakis, D., Toutoudaki, M., Sifakis, S. Dialkyl phosphates in meconium as a biomarker of prenatal exposure to organophosphate pesticides: A study on pregnant women of rural areas in Crete, Greece. *XENOBIOTICA* 2009, 39(5):364-373.
443. **Tsatsakis** A.M. Pesticide exposure levels in general and rural population. *Environmental Research* 2009, 109(3), 350-351.
444. Kymionis GD, Diakonis VF, Panagopoulou SI, Grentzelos MA, Kazakos DC, Tzatzarakis MN, **Tsatsakis** AM, Pallikaris AI. Mitomycin C aqueous humor concentration after photorefractive keratectomy: an experimental study. *European Journal Of Ophthalmology* 2009,19(5):738-742.
445. Krasagakis K, Kruger-Krasagakis S, Eberle J, **Tsatsakis** A, Tosca AD, Stathopoulos EN. Co-expression of KIT receptor and its ligand stem cell factor in merkel cell carcinoma. *Dermatology* 2009;218(1):37-43.
446. **Tsatsakis** AM, Zafiroopoulos A, Tzatzarakis MN, Tzanakakis GN, Kafatos A. Relation of PON1 and CYP1A1 genetic polymorphisms to clinical data in a cross-sectional study of a Greek population professionally exposed to pesticides. *Toxicology Letters* 2009, 186(1), 66-72.
447. **Tsatsakis** A.M., Tzatzarakis M.N, Tutudaki M., Babatsikou F., Alegakis A.K., Koutis Ch. Assessment of levels of organochlorine pesticides and their metabolites in the hair of a Greek rural human population. *Human & Experimental Toxicology* 2008, 27(12), 933-940.
448. Tashmukhamedov RI, Klyagina MV, Khvostova VY, Goryachaya AV, Shtilman MI, **Tsatsakis** AM. Complexes of transition metals based on amino acid derivatives of epoxy-containing poly-N-vinylpyrrolidone. *International Polymer Science and Technology*, 2008 36 (1), 17.
449. Nikitovic D, Katonis P, **Tsatsakis** A, Karamanos NK, Tzanakakis GN. Lumican, a small leucine-rich proteoglycan. *IUBMB LIFE* 2008 ;60(12):818-823.
450. Zafiroopoulos A., Nikitovich D., Katonis P., **Tsatsakis** AM, Karamanos NK and Tzanakakis GN. Decorin-induced growth inhibition is overcome through protracted expression and activation of EGFRs in osteosarcoma cells. *Molecular Cancer Research* 2008, 6(5), 785-794.
451. Chatzinikolaou G., Nikitovic, D., Asimakopoulou A., **Tsatsakis** A., Karamanos N., Tzanakakis G.N. Heparin - a unique stimulator of human colon cancer cells growth. *IUBMB LIFE* 2008, 60(5), 333-340.
452. Fthenou E, Zafiroopoulos A, Katonis P, **Tsatsakis** A, Karamanos NK, Tzanakakis GN.

- Chondroitin sulfate prevents platelet derived growth factor-mediated phosphorylation of PDGF-Rbeta in normal human fibroblasts severely impairing mitogenic responses. *Journal Of Cellular Biochemistry* 2008, 103(6), 1866-1876.
453. **Tsatsakis AM**, Tzatzarakis MN, Tutudaki M. Pesticide levels in head hair samples of Cretan population as an indicator of present and past exposure. *Forensic Science International* 2008, 176(1), 67-71.
454. Berdiaki A., Zafiropoulos A., Fthenou E., Katonis P., **Tsatsakis AM**, Karamanos NK and Tzanakakis GN. Regulation of hyaluronan and versican deposition by growth factors in fibrosarcoma cell lines. *Biochimica Et Biophysica Acta (BBA). General Subjects*, 2008 1780(2), 194-202.
455. Nikitovic D, Berdiaki A, Zafiropoulos A, Katonis P, **Tsatsakis A**, Karamanos NK, Tzanakakis GN. Lumican expression is positively correlated with the differentiation and negatively with the growth of human osteosarcoma cells. *Febs Journal* 2008, 275(2):350-361.
456. Kuskov, A.N., Shtilman, M.I., Goryachaya, A.V., Tashmuhamedov, R.I., Yaroslavov, A.A., Torchilin, V.P., **Tsatsakis**, A.M., Rizos, A.K. Self-assembling nanoscaled drug delivery systems composed of amphiphilic poly-N-vinylpyrrolidones. *Journal Of Non-Crystalline Solids*. 2007, 353 (41-43), 3969-3975.
457. Kuskov A, Shtilman M, Villemson A, Larionova N, **Tsatsakis AM**. Amphiphilic poly-N-vinylpyrrolidone nano-carriers for protein encapsulation. *Journal of physics-condensed Matter* 2007, 19 (20).
458. Rizos A, Tsikalas I, **Tsatsakis A**, Shtilman M. Characterization of amphiphilic poly-N-vinylpyrrolidone derivatives by dynamic light scattering. *J. Non-Cryst. Solids* 352 (2006) 5055–5059
459. Rizos AK, **Tsatsakis AM**, Клягина МВ, Горячая АВ, Штильман МИ. Агрегация в водном растворе аминокислотных производных поли-N-винилпирролидона. Пластическиемассы, 19-20. (Aggregation of amino acid derivatives of Poly-N-Vinylpyrrolidone in water solution. Plastic masses 19-20)
460. Ташмухамедов РИ, Клягина МВ, Хвостова ВЮ ГАВ, Штильман МИ, **Tsatsakis AM**. Комплексы переходных металлов на основе аминокислотных производных эпиксид-содержащего поли-п-винилпирролидона. Пластическиемассы, 21-22.
461. Fthenou E, Zafiropoulos A, **Tsatsakis A**, Stathopoulos A, Karamanos NK, Tzanakakis GN. Chondroitin sulfate A chains enhance platelet derived growth factor-mediated signalling in fibrosarcoma cells. *International Journal Of Biochemistry & Cell Biology* 2006;38(12):2141-2150.
462. Vlata Z, Porichis F, Tzanakakis G, **Tsatsakis A**, Krambovitis E. A study of zearalenone cytotoxicity on human peripheral blood mononuclear cells. *Toxicology Letters* 2006 Sep 10;165(3):274-281.
463. Charvalos E, Tzatzarakis MN, Van Bambeke F, Tulkens PM, **Tsatsakis AM**, Tzanakakis GN, Mingeot-Leclercq MP. Water-soluble amphotericin B-polyvinylpyrrolidone complexes with maintained antifungal activity against *Candida* spp. and *Aspergillus* spp. and reduced haemolytic and cytotoxic effects. *Journal Of Antimicrobial Chemotherapy* 2006 Feb;57(2):236-244. Epub 2005 Dec 16.
464. Модификация латексных систем полимерными комплексами сорбиновой кислоты. АГ Снежко, АВ Федотова, ЗС Борисова, ЮА Филинская, МИ Штильман, ОВ Супрун Пластическиемассы, 33-36.
465. Shtilman MI, Artyukhov AA, Zolotaikina TS, Korshak AY, Gorchakov AV, **Tsatsakis AM**. Crosslinked macroporous polymeric hydrogels of polyvinyl alcohol: a study of the influence of the synthesis conditions. *International Polymer Science and Technology* 33 (10), 25-30
466. Nikitovic D, Zafiropoulos A, Katonis P, **Tsatsakis AM**, Theocharis AD. Transforming Growth Factor- $\beta$  as a key molecule triggering the expression of versican isoforms v0 and v1, Hyaluronan Synthase-2 and synthesis of Hyaluronan in Malignant Osteosarcoma cells. *IUBMB life* 58 (1), 47-53
467. Vlata Z, Porichis F, Tzanakakis G, **Tsatsakis A**, Krambovitis E. In vitro cytopathic effects of mycotoxin T-2 on human peripheral blood T lymphocytes. *Toxicology Letters* 2005, 30;160(1):60-68.
468. Tutudaki M, **Tsatsakis AM**. Pesticide hair analysis: development of a GC-NCI-MS method to assess chronic exposure to diazinon in rats. *Journal Of Analytical*

- Toxicology 2005, 29(8):805-809.
469. Sifakis S, Angelakis E, Makrigiannakis A, Orfanoudaki I, Christakis M, **Tsatsakis AM**. Chemoprophylactic and bactericidal efficacy of 80 mg gentamicin in a single and once-daily dosing. Archives of gynecology and obstetrics, 2005, 272 (3), 201-206.
470. Nikitovic D, Zafiroopoulos A, Tzanakakis GN, Karamanos NK, **Tsatsakis AM**. Effects of glycosaminoglycans on cell proliferation of normal osteoblasts and human osteosarcoma cells depend on their type and fine chemical compositions. Anticancer Research 2005, 25(4):2851-2856.
471. Savvopoulos MA, Pallis E, Tzatzarakis MN, Dialyna IA, Tzanakakis G, **Tsatsakis AM**. Legal issues of addiction assessment. The experience with hair testing in Greece. Journal Of Applied Toxicology 2005, 25(2), 143-152.
472. Tashmukhamedov, R.I., Shtilman, M.I., Khvostova, V.Yu., Klyagina, M.V., **Tsatsakis, A.M.**, Shashkova, I.M. Poly(N-vinylpyrrolidone) with amino acid side groups. Polymer Science Series B 2005, 47 (5-6), 167-169
473. Kuskov AN., Shtilman MI., **Tsatsakis AM.**, Torchilin VP., Yamskov IA. Synthesis of amphiphilic N-vinylpyrrolidone and acrylamide polymers of various structures. Russian Journal Of Applied Chemistry, 2005, 78 (5), pp. 806-810
474. Sifakis S, Angelakis E, Makrigiannakis A, Orfanoudaki I, Christakis-Hampas M, Katonis P, **Tsatsakis A**, Koumantakis E. Chemoprophylactic and bactericidal efficacy of 80 mg gentamicin in a single and once-daily dosing. Archives of gynecology and obstetrics 2005, 272(3):201-206.
475. **Tsatsakis AM**, Tutudaki M. Progress in pesticide and POPs hair analysis for the assessment of exposure. Forensic Science International 2004, 29;145(2-3):195-199.
476. Liapakis IE, Kottakis I, Tzatzarakis MN, **Tsatsakis AM**, Pitiakoudis MS, Ypsilantis P, Light RW, Simopoulos CE, Bouros DE. Penetration of newer quinolones in the empyema fluid. European Respiratory Journal 2004, 24(3):466-470.
477. Mantzouranis EC, Bertias GK, Pallis EG, **Tsatsakis AM**. Hair analysis differentiates chronic from acute carbamazepine intoxication. Pediatric Neurology 2004, 31 (1): 73-75.
478. Tsakiris IN, Danis TG, Stratis IA, Alegakis T, Dialyna I, **Tsatsakis AM**. Monitoring of pesticide residues in fresh peaches produced under conventional and integrated crop management cultivation. Food Additives And Contaminants 2004, 21 (7): 670-677.
479. Dialyna I., Tzanakakis G, Dolapsakis G, **Tsatsakis AM**. A tetranucleotide repeat polymorphism in the CYP19 gene and breast cancer susceptibility in a Greek population exposed and not exposed to pesticides. Toxicology Letters 2004, 151 (1): 267-271.
480. Ми Штильман, Об Супрун, Е Тзатаракис, ММ Лоттер, **Tsatsakis AM**, ТЛ Лебедева, АВ Харенко. Комплексыполи-N-винилпирролидона и сорбиновой кислоты. Пластическиемассы, 23-27.
481. Tzanakakis GN, Margioris AN, **Tsatsakis AM**, Vezeridis MP. The metastatic potential of human pancreatic cell lines in the liver of nude mice correlates well with cathepsin B activity. International Journal Of Gastrointestinal Cancer 2003, 34(1):27-38.
482. **Tsatsakis AM**, Tsakiris IN, Tzatzarakis MN, Agourakis ZB, Tutudaki M, Alegakis A. Three-year study of fenthion and dimethoate pesticides in olive oil from organic and conventional cultivation. Food Additives And Contaminants 2003, 20 (6): 553-559.
483. Tutudaki M, Tsakalof AK, **Tsatsakis AM**. Hair analysis used to assess chronic exposure to the organophosphate diazinon: a model study with rabbits. Human & Experimental Toxicology 2003, 22 (3): 159-164.
484. Shtilman MI, Ostaeva GY, Artyukhov AA, **Tsatsakis AM**, Kozlov VS. PM 02/03/25 Transl. serial no. 14827 Epoxy-containing porous hydrogels of acrylamide: The influence of the synthesis conditions. International Polymer Science and Technology 2003, 30 (1), 47-52
485. Shtilman MI, Artyukhov AA, Kozlov VS, **Tsatsakis AM**. Epoxy-containing porous hydrogels of poly (2-hydroxyethyl methacrylate): A study of the influence of the synthesis conditions. International Polymer Science and Technology 2003, 30 (4), 73-78
486. Nikitovic D, **Tsatsakis AM**, Karamanos NK, Tzanakakis G. The effects of genistein on the synthesis and distribution of glycosaminoglycans/ proteoglycans by two osteosarcoma cell lines depends on tyrosine kinase and the estrogen receptor

- density. *Anticancer Research* 2003, 23 (1A): 459-464.
487. Charvalos E, **Tsatsakis A**, Tzatzarakis M, Dolapsakis G, Stiakakis I. New nystatin polymeric complexes and their in vitro antifungal evaluation in a model study with *Fusarium oxysporum*. *Mycopathologia* 2002, 153 (1): 15-19.
488. Tsakiris IN, Toutoudaki M, Nikitovic DP, Danis TG, Stratis I, **Tsatsakis AM**. Field study for degradation of methyl parathion in apples cultivated with integrated crop management system. *Bulletin Of Environmental Contamination And Toxicology* 2002, 69 (6): 771-778.
489. Shtilman MI, **Tsatsakis AM**, Alegakis AK, Shashkova I, Rizos A, Krambovitis E. Structure vs release-rate relationships in polymeric esters of plant growth regulators. *Journal Of Materials Science* 2002, 37 (21): 4677-4682.
490. Alifragis J, Rizos AK, **Tsatsakis AM**, Tzatzarakis M, Shtilman M. New polymeric systems with controlled release action: a light scattering investigation. *Journal Of Non-Crystalline Solids* 2002, 307: 882-886.
491. Baritaki S, Krambovitis E, Alifragis J, Rizos A, **Tsatsakis AM**. Immunoreactivity and light scattering studies of polyvinyl pyrrolidone polymeric derivatives. *Journal Of Non-Crystalline Solids* 2002, 307: 898-904
492. Tzanakakis GN, Krambovitis E, **Tsatsakis AM**, Yezeridis P. The preventive effect of ketoconazole on experimental metastasis from a human pancreatic carcinoma may be related to its effect on prostaglandin synthesis. *International Journal Of Gastrointestinal Cancer* 2002, 32 (1): 23-30
493. **Tsatsakis AM**, Tsakiris IN, Maxaira K, Christakis M, Tzanakaki D, Niklis N. Assessment of safe harvesting after methyl parathion application in peaches. *Bulletin Of Environmental Contamination And Toxicology* 2002, 68 (6): 824-830.
494. Hatzidakis GI, **Tsatsakis AM**, Krambovitis EK, Spyros A, Eremin S. Use of L-lysine fluorescence derivatives as tracers to enhance the performance of polarization fluoroimmunoassays. A study using two herbicides as model antigens. *Analytical Chemistry* 2002, 74 (11): 2513-2521.
495. Covaci A, Tutudaki M, **Tsatsakis AM**, Schepens P. Hair analysis: another approach for the assessment of human exposure to selected persistent organochlorine pollutants. *Chemosphere* 2002, 46 (3): 413-418
496. Baritaki S, Tzanakakis GN, Alifragis J, Krambovitis E, **Tsatsakis AM**, Rizos A. Light scattering and in vitro biocompatibility studies of poly (vinyl pyrrolidone) derivatives with amino-acid-dependant groups. *Journal Of Biomedical Materials Research* 2002, 63 (6): 830-837.
497. **Tsatsakis AM**, Bertsias GK, Liakou V, Mammias I, Stiakakis I, Tzanakakis GN. Severe fenthion intoxications due to ingestion and inhalation with survival outcome. *Human & Experimental Toxicology* 2002, 21 (1): 49-54.
498. Mitropoulou TN, Tzanakakis GN, Nikitovic D, **Tsatsakis AM**, Karamanos N. In vitro effects of genistein on the synthesis and distribution of glycosaminoglycans/proteoglycans by estrogen receptor-positive and -negative human breast cancer epithelial cells. *Anticancer Research* 2002, 22 (5): 2841-2846.
499. Charvalos E, Tzatzarakis M, **Tsatsakis A**, Petrikos G. Controlled release of water-soluble polymeric complexes of sorbic acid with antifungal activities. *Applied Microbiology And Biotechnology* 2001, 57 (5-6): 770-775.
500. Psaroudakis K, Tzatzarakis MN, **Tsatsakis AM**, Michalodimitrakis M. The application of histochemical methods to the age evaluation of skin wounds - Experimental study in rabbits. *American Journal Of Forensic Medicine And Pathology* 2001, 22 (4): 341-345.
501. Torchilin VP, Levchenko TS, Whiteman KR, Yaroslavov AA, **Tsatsakis AM**, Rizos Ak, Michailova EV, Shtilman MI. Amphiphilic poly-N-vinylpyrrolidones: synthesis, properties and liposome surface modification. *Biomaterials* 2001, 22 (22): 3035-3044.
502. Papanikolaou N, Paspatis G, Dermitzakis A, Tzirzakakis E, Charalambous E, **Tsatsakis AM**. Neutropenia induced by paraquat poisoning. *Human & Experimental Toxicology* 2001, 20 (11): 597-599.
503. Dolapsakis G, Vlachonikolis IG, Varveris C, **Tsatsakis AM**. Mammographic findings and occupational exposure to pesticides currently in use on Crete. *European Journal Of Cancer* 2001, 37 (12): 1531-1536.
504. Mieczkowski T, **Tsatsakis AM**, Kruger M, Psillakis T. The concentration of three anti-seizure medications in hair: the effects of hair color, controlling for dose and age.

- Bmc Clinical Pharmacology 2001, 1(1):2. Epub 2001 Apr 30.
505. Tzatzarakis MN, **Tsatsakis** AM, Charvalos E, Vakalounakis D. Comparison of in vitro activities of amphotericin, clotrimazole, econazole, miconazole, and nystatin against *Fusarium oxysporum*. Journal Of Environmental Science And Health Part B-Pesticides Food Contaminants And Agricultural Wastes 2001, 36 (3): 331-340.
506. **Tsatsakis** AM, Bertias GK, Mammias IN, Stiakakis I, Georgopoulos DB. Acute fatal poisoning by methomyl caused by inhalation and transdermal absorption. Bulletin Of Environmental Contamination And Toxicology 2001, 66 (4): 415-420.
507. Pataki M, Anatoliotakis N, Tzanakis N, Assithianakis P, **Tsatsakis** AM, Bouros D. Availability of antidotes in hospital pharmacies in Greece. Veterinary And Human Toxicology 2001, 43 (2): 103-10
508. **Tsatsakis** AM, Tzatzarakis MN, Psaroulis D, Levkidis C, Michalodimitrakis M. Evaluation of the addiction history of a dead woman after exhumation and sectional hair testing. American Journal Of Forensic Medicine And Pathology 2001, 22 (1): 73-77.
509. Michalodimitrakis EN, Tsiftsis DDA, **Tsatsakis** AM, Stiakakis I. Sudden cardiac death and right ventricular dysplasia. American Journal Of Forensic Medicine And Pathology 2001, 22 (1): 19-22.
510. Tutudaki M, **Tsatsakis** AM, Covaci A, Schepens P. Hair analysis: an alternative method of assessing exposure to organochlorine pollutants.
511. Tzatzarakis MN, **Tsatsakis** AM, Lotter MM, Shtilman MI, Vakalounakis DJ. Effect of novel water-soluble polymeric forms of sorbic acid against *Fusarium oxysporum* f. *spradicis-cucumerinum*. Food Additives And Contaminants 2000, 17 (12): 965-971.
512. Ramoutsaki IA, Haniotakis S, **Tsatsakis** AM. The snake as the symbol of medicine, toxicology and toxinology. Veterinary And Human Toxicology 2000, 42 (5): 306-308.
513. **Tsatsakis** AM, Psillakis T, Paritsis N. Phenytoin concentration in head hair sections: A method to evaluate the history of drug use. Journal Of Clinical Psychopharmacology 2000, 20 (5): 560-573.
514. Mulvahill N, Vardos PE, Kochiadakis GE, Igoumenidis NE, **Tsatsakis** AM. Amiodarone as a first choice drug. Current Controlled Trials in Cardiovascular Medicine 2, 2000, 72002-1545
515. Alegakis AK, Tzatzarakis MN, **Tsatsakis** AM, Vlachonikolis IG, Liakou V. In vitro study of oxytetracycline adsorption on activated charcoal. Journal Of Environmental Science And Health Part B-Pesticides Food Contaminants And Agricultural Wastes 2000, 35 (5): 559-569.
516. Ramoutsaki IA, Ramoutsakis YA, Haniotakis S, **Tsatsakis** AM. Remedies used in Hellenic history. Veterinary And Human Toxicology 2000, 42 (4): 238-241.
517. Tzatzarakis M, **Tsatsakis** AM, Liakou A, Vakalounakis DJ. Effect of common food preservatives on mycelial growth and spore germination of *Fusarium oxysporum*. Journal Of Environmental Science And Health Part B-Pesticides Food Contaminants And Agricultural Wastes 2000, 35 (4): 527-537.
518. Vardas PE, Kochiadakis GE, Igoumenidis NE, **Tsatsakis** AM, Simantirakis EN, Chlouverakis GI. Amiodarone as a first-choice drug for restoring sinus rhythm in patients with atrial fibrillation - A randomized, controlled study. Chest 2000, 117 (6): 1538-1545.
519. **Tsatsakis** AM, Tutudaki M, Stiakakis I, Dimopoulou M, Tzatzarakis M. Characterisation of cannabis plants phenotypes from illegal cultivations in Crete. Bollettinochimicofarmaceutico 139 (3), 140.
520. Ramoutsaki IA, Ramoutsakis YA, Tsikritzis MD, **Tsatsakis** AM. The roots of toxicology: An etymology approach. Veterinary And Human Toxicology 2000, 42 (2): 111-111
521. Rizos AK, Doetschman DC, Dwyer DW, **Tsatsakis** AM, Shtilman MI. Study of dichlophenac polymeric derivative with 12-DOXYL spin probe. Polymer 2000, 41 (3): 1131-1138.
522. **Tsatsakis** AM, Tzatzarakis M. Sectional hair testing. Judicial and clinical applications. Pure And Applied Chemistry 2000, 72 (6): 1057-1066.
523. Kokori H, Giannakopoulou CH, Hatzidaki E, Athanaselis S, **Tsatsakis** AM, Sbyrakis S. An unusual case of lead poisoning in an infant: Nursing-associated plumbism. Journal Of Laboratory And Clinical Medicine 1999, 134 (5): 522-525
524. Alegakis AK, **Tsatsakis** AM, Shtilman MI, Lysovenko PL, Vlachonikolis IG. Deactivation

- of mycotoxins. I. An in vitro study of zearalenone adsorption on new polymeric adsorbents. *Journal Of Environmental Science And Health Part B-Pesticides Food Contaminants And Agricultural Wastes* 1999, 34 (4): 633-644.
525. Michalodimitrakis M, Christodoulou P, **Tsatsakis** AM, Askoxilakis I, Stiakakis I, Mouzas A. Death related to midazolam overdose during endoscopic retrograde cholangiopancreatography. *American Journal Of Forensic Medicine And Pathology* 1999, 20 (1): 93-97.
526. Shtilman MI, Tverdokhlebova II, Yarmysh MY, Mikhailova EV, **Tsatsakis** AM. Amphiphilic derivatives of poly (N-vinylpyrrolidone). *Polymer science* 1999. Series B 41 (5-6), 141-144
527. Michalodimitrakis EN, Zervos JDK, Tsiftsis DDA, Patsalis A, **Tsatsakis** AM. Scrotal injury from motorcycle accidents. *Journal of Forensic Medicine & Toxicology* 1999, 16 (1), 1-3
528. Shtilman MI, Zhavoronkov SN, Yarmysh M, Voskanyan PS, **Tsatsakis** AM. Cross-linked Polyvinyl Alcohol Cryogels. *Russian journal of applied chemistry*, 1999, 72 (6), 1051-1054
529. Relakis K, Sifakis S, Froudarakis G, Papadopoulou E, Michalodimitrakis EN, Koumantakis E, **Tsatsakis** A. Disposition of pesticides and toxicants in the human reproductive system in cases of acute poisoning. *Clinical And Experimental Obstetrics & Gynecology* 1999;26(3-4):207-10.
530. Rizos AK, **Tsatsakis** AM, Shtilman MI, Doetschman DC. Dynamics of self-release polymeric derivatives. *Polymeric Materials Science And Engineering-Washington*, 1999, 81, 108-109.
531. Psillakis T, **Tsatsakis** AM, Christodoulou F, Michalodimitrakis M, Paritsis N, Helidonis E. Carbamazepine levels in head hair of patients under long-term treatment: A method to evaluate the history of drug use. *Journal Of Clinical Pharmacology* 1999, 39 (1): 55-67.
532. Rizos AK, **Tsatsakis** AM, Shtilman MI, Brown W. Dynamic light-scattering study of 3-indolbutyric acid polymeric derivative. *Polymer* 1998, 39 (8-9): 1753-1756.
533. **Tsatsakis** AM, Psillakis T, Stefis A, Assithianakis P, Vlahonikolis IG. Determination of phenytoin in sections of head hair: a preliminary study to evaluate the history of drug use. *Bollettinochimicofarmaceutico*, 1998, 137, 459-466.
534. **Tsatsakis** AM, Manousakis A, Anastasaki M, Tzatzarakis M, Katsanoulas K, Delaki C, Agouridakis P. Clinical and toxicological data in fenthion and omethoate acute poisoning. *Journal Of Environmental Science And Health Part B-Pesticides Food Contaminants And Agricultural Wastes* 1998, 33 (6): 657-670.
535. **Tsatsakis** AM. Judicial applications of hair testing for addicts in Crete: sectional hair analysis of heavy heroin abusers. *Journal of Clinical Forensic Medicine*, 1998, 5 (3), 109-113.
536. Rizos AK, **Tsatsakis** AM, Shtilman MI, Brown W. Dynamic light scattering study of 1-naphthylacetic acid polymeric derivative, a novel plant hormone. *Polymer* 1998, 39 (20): 4729-4734.
537. Rizos AK, **Tsatsakis** AM, Shtilman MI, Brown W. Light scattering investigation of self-release polymeric derivatives. *Journal Of Non-Crystalline Solids* 1998, 235: 652-657.
538. **Tsatsakis** AM, Tutudaki MI, Tzatzarakis MN, Psaroudakis K, Dolapsakis GP, Michalodimitrakis MN. Pesticide deposition in hair: Preliminary results of a model study of methomyl incorporation into rabbit hair. *Veterinary And Human Toxicology* 1998, 40 (4): 200-20
539. Kochiadakis GE, Igoumenidis NE, Solomou MC, Parthenakis FI, Christakis-Hampsas MG, Chlouverakis GI, **Tsatsakis** AM, Vardas PE. Conversion of atrial fibrillation to sinus rhythm using acute intravenous procainamide infusion. *Cardiovascular Drugs And Therapy* 1998, 12 (1): 75-81.
540. Shtilman MI, **Tsatsakis** AM, Vlahos JC, Dragassaki M, Shashkova IM, Lotter MM. Bioactivity of the Polyvinyl Esters of 2, 4-Dichlorophenoxyacetic Acid. *Russian journal of plant physiology* 45 (1), 92-95
541. Michalodimitrakis M, **Tsatsakis** A. Massive pulmonary embolism by liver tissue. *Medicine Science And The Law* 1998, 38 (1): 85-87.
542. **Tsatsakis** AM. More fatal methomyl poisonings in Crete. *Science & Justice* 1998, 38

- (4): 282-283.
543. Michalodimitrakis M, **Tsatsakis A**. The changing status of forensic medicine in Greece. *Journal of Clinical Forensic Medicine* 1997 Dec;4(4):159-62.
544. **Tsatsakis AM**, Dolapsakis G, Troulakis G, Christodoulou P, Relakis K. Fatal and non-fatal outcome by accidental intoxication with paint thinner. *Journal of Clinical Forensic Medicine* 1997 Sep;4(3):133-7.
545. **Tsatsakis AM**, Alegakis TK, Chalkiadakis GE, Askoxilakis I, Vlachonikolis I. Comparative pharmacokinetics of ceftriaxone after periincisional and intravenous administration in patients undergoing abdominal surgery. *European Journal Of Pharmaceutical Sciences* 1997, 5 (5): 243-251.
546. Michalodimitrakis EN, **Tsatsakis AM**. Vehicular accidents and cardiac concussion - A traumatic connection. *The American Journal Of Forensic Medicine And Pathology: Official Publication Of The National Association Of Medical Examiners* 1997, 18 (3): 282-284.
547. **Tsatsakis AM**, Psillakis TK, Tzatzarakis M, Kourtopoulos H, Paritsis N. Carbamazepine levels in the hair of patients under long-term treatment: A preliminary study. *ClinicaChimica Acta* 1997, 263 (2): 187-195.
548. Michalodimitrakis MN, La Grange R, **Tsatsakis AM**. Suicide by alcohol overdose. *Journal of Clinical Forensic Medicine*, 1997, 4 (2), 91-94.
549. Troulakis G, **Tsatsakis AM**, Tzatzarakis M, Astrakianakis A, Dolapsakis G, Kostas R. Acute intoxication and recovery following massive turpentine ingestion: Clinical and toxicological data. *Veterinary And Human Toxicology* 1997, 39 (3): 155-157.
550. Psillakis T, Daskalakis I, **Tsatsakis A**. Determination Of Carbamazepine And Valproic Acid In Human Head Hair. *ChimikaChronika-New Series*, 1997, 26 (2), 197-197
551. Kumantakis E, Makrigiannakis A, Matalliotakis I, Neonaki M, **Tsatsakis A**. Penetration of pesticides in the human reproductive system. Presentation of case reports. *Clinical And Experimental Obstetrics & Gynecology* 1997;24(2):86-87.
552. Shtilman MI, **Tsatsakis AM**, Vlahos JC, Khachanyan AA, Dragassaki M. Hydrolysis and biological activity in a series of water-soluble polymeric esters of aryl-containing carboxylic acids  
Polymer science. Series A, Chemistry, physics 39 (11), 1173-1177.
553. **Tsatsakis AM**, Aguridakis P, Michalodimitrakis MN, Tsakalov AK, Alegakis AK, Koumantakis E, Troulakis G. Experiences with acute organophosphate poisonings in Crete. *Veterinary And Human Toxicology* 1996, 38 (2): 101-107.
554. **Tsatsakis AM**, Perakis K, Koumantakis E. Experience with acute paraquat poisoning in Crete. *Veterinary And Human Toxicology* 1996, 38 (2): 113-117.
555. Vlachakis IE, AK Alegakis, Vardalachakis GI, Andreadakis GI, **Tsatsakis AM**. Improvement assay of the berry size of seedless grapes by a polymeric formulation with progressive action using BAP as active molecule. *Progres Agricole et Viticole* 113.
556. Shtilman MI, Tzatzarakis M, Vlahos JC, Shashkova IM, Dragassaki M, **Tsatsakis AM**. Phytoactive Polymers: Hydrolysis And Bioactivity Proceedings of the Controlled Release Society.
557. Psillakis A, Daskalakis I, Kliafas G, Aivalis N, Petrutsu S, Zervu S, **Tsatsakis AM**. Determination of phenytoin in human head hair. *ChimikaChronika-New Series* 25 (3), 120-120.
558. **Tsatsakis AM**, Shtilman MI, Alegakis F, Yarmysh MY, Golubeva TS. Stability of the Polymeric Salts of Biologically Active Amines. *Vysokomolekuliarnye Soedineniia* 38 (8), 1431-1434.
559. Shtilman MI, **Tsatsakis AM**, Khachanyan AA, Voskanyan PS, Selala M, Shashkova IM. Hydrolysis of polyvinyl esters of biologically active carboxylic acids. *Polymer science. Series B* 38 (5-6), 268-271.
560. **Tsatsakis AM**, Tsakalof AK, Michalodimitrakis EN. The analysis of methomyl, a carbamate pesticide, in post-mortem samples. *Science And Justice - Journal Of The Forensic Science Society* 1996, 36 (1): 41-45.
561. **Tsatsakis AM**, Tsakalof AK, Siatitsas Y, Michalodimitrakis EN. Acute poisoning with carbamate pesticides: The Cretan experience. *Science And Justice - Journal Of The Forensic Science Society* 1996, 36 (1): 35-39.
562. Chalkiadakis GE, Gonnianakis C, **Tsatsakis AM**, Tsakalof A, Michalodimitrakis M. Preincisional single-dose ceftriaxone for the prophylaxis of surgical-wound infection.

- American Journal Of Surgery 1995, 170 (4): 353-355.
563. **Tsatsakis AM**, Paritsis KN, Shtilman MI. 1-naphthylacetic acid slow-release polymeric formulations - auxin type effect in tobacco leaf segments is affected by structure and hydrolysis. *Plant Growth Regulation* 1995, 17 (2): 167-175.
564. Vlahos JC, Dragassaki M, Vasilaki A, Assargiotaki I, **Tsatsakis AM**. The Effect of Slow-release Polymeric Derivatives of Auxins (NAA and 2, 4-D) on Regeneration of Achimenes in Vitro. *HortScience* 30 (4), 802-802
565. Selala M, **Tsatsakis AM**, Alegakis A, Musuku A, Lotter M, Manirakiza F, Sche P. Slow release forms of sec-butylamine: hydrolysis and application in the control of pathogenic fungi. *Proceed. Intern. Symp. Control. Rel. Bioact. Mater.* 1995 (22).
566. Shtilman MI, Sarkisyan MB, **Tsatsakis AM**, Shashkova IM, Mikhalodimitrakis E. Water-Soluble Polymeric Esters of Carboxyl-Containing Plant Growth Regulators. *Polymer Science-Series A* 37 (1), 22-27.
567. Musuku A, Selala MI, Debruyne T, Claeys M, Schepens PJC, **Tsatsakis A**, Shtilman MI. Isolation and structure determination of a new roquefortine-related mycotoxin from *penicillium-verrucosum* var *cyclopium* isolated from cassava. *Journal Of Natural Products* 1994, 57 (7): 983-987.
568. **Tsatsakis AM**, Shtilman MI, Jarmish MY, Schepens P. Bandages with immobilised indomethacin: preparation, toxicology, application.
569. **Tsatsakis AM**, Shtilman MI, Chimishkyan AL, Schepens P. Polymeric derivatives of biologically active carbamates.
570. **Tsatsakis AM**, Shtilman MI. Polymeric derivatives of plant growth-regulators - synthesis and properties. *Plant Growth Regulation* 1994, 14 (1): 69-77.
571. Kornakov MY, **Tsatsakis AM**, Davidovich YA, Shtilman MI. Synthesis of 1-aminocyclopropane-1-carboxylic acid functional-derivatives. *Mendeleev Communication* 1993, (5): 214-215.
572. Kalinin AV, Shapiro EA, Tomilov YV, Ugrak B, **Tsatsakis AM**, Nefedov O. Selective noncatalytic cyclopropanation of methyl (e)-pent-3-en-1-yn-3-ylcarboxylates with diazomethane. *Mendeleev Communication* 1993, (5): 190-191.
573. Shtilman MI, Ya M, Kornakov MY, **Tsatsakis AM**, Kurushina NV, Zalukaeva TP. Polymeric derivatives of 1-aminocyclopropane-1-carboxylic acid. *Polymer science* 34 (10), 827-830
574. Shtilman MI, Kornakov MY, **Tsatsakis AM**, Kurushina NV, Zalukaeva TP. Polymer Derivatives Of 1-Aminocyclopropane-1-Carboxylic Acid. *Высокомолекулярныесоединения* 34 (10), 17-22
575. **Tsatsakis AM**, Dais P. H-1-nmr structural-analysis of a series of naphthalene-hydroxymethyl-carboxylic and naphthalene-mercaptomethyl-carboxylic acids and derivatives. *Magnetic Resonance In Chemistry* 1990, 28 (4): 375-377.
576. **Tsatsakis AM**, Tutudaki M, Stiakakis I, Dimopoulou M, Tzatzarakis M, Michalodimitrakis M. Characterisation of cannabis plants phenotypes from illegal cultivations in Crete. *BollettinoChimicoFarmaceutico* 2000, 139(3):140-145.
577. **Tsatsakis AM**, Psillakis T, Stefis A, Assithianakis P, Vlahonikolis IG, Michalodimitrakis MN, Helidonis E. Determination of phenytoin in sections of head hair: a preliminary study to evaluate the history of drug use. *BollettinoChimicoFarmaceutico* 1998, 137(11):459-466.
578. Michalodimitrakis M., **Tsatsakis A**. The changing status of forensic medicine in Greece. *Journal of clinical forensic Medicine* 1997, 4(4): 159-162.
579. Michalodimitrakis MN., La Grange R., **Tsatsakis AM**. Suicide by alcohol overdose. *Journal of clinical forensic Medicine* 1997, 4(2): 91-94.
580. Shtilman MI, Tverdokhlebova II, Yarmysh MY, Mikhailova EV, **Tsatsakis AM**, Tocchilin VP, Rizos AK. Amphiphilic derivatives of poly(N-vinylpyrrolidone). *VysokomolekulyarnyeSoedineniyaSeriya A &Seriya* 1999, B 41 (5): 906-909.
581. Shtilman MI, Zhavoronkov SN, Yarmysh MY, **Tsatsakis AM**. Cross-linked polyvinyl alcohol cryogels. *Russian Journal Of Applied Chemistry* 1999, 72 (6): 1051-1054.
582. Shtilman MI, **Tsatsakis AM**, Vlahos JC, Dragassaki M, Shashkova IM, Lotter MM. Bioactivity of the polyvinyl esters of 2,4-dichlorophenoxyacetic acid. *Russian journal of plant physiology* 1998, 45 (1): 92-95.
583. **Tsatsakis AM**. Judicial applications of hair testing for addicts in Crete: Sectional hair

analysis of heavy heroin abusers. Journal of clinical forensic Medicine. 1998; 5(3), 109-113.

584. Shtilman MI, **Tsatsakis** AM, Vlahos JC, Khachanyan AA, Dragasaki M, Voskanyan PS, Shashkova IM. Hydrolysis and biological activity in a series of water-soluble polymeric esters of aryl-containing carboxylic acids. *VysokomolekularnyeSoedineniya. Ser.ASer.BSer.C - Kratkiesoobshcheniya* 39 (11): 1761-1766 NOV 1997.
585. **Tsatsakis** AM, Dolapsakis G, Troulakis G., Christodoulou P., Relakis K., Trikilis N., Michalodimitrakis M. Fatal and non-fatal outcome by accidental intoxication with paint thinner. *Journal of clinical forensic Medicine* 1997, 4(3):133-137.
586. Shtilman MI, **Tsatsakis** AM, Khachanyan AA, Voskanyan PS, Selala M, Shashkova IM. Hydrolysis of polyvinyl esters of biologically active carboxylic acids. *VysokomolekularnyeSoedineniya. Ser.ASer.BSer.C - Kratkiesoobshcheniya* 1996, 38 (6): 1076-1079.
587. **Tsatsakis** AM, Shtilman MI, Alegakis F, Yarmysh MY, Golubera TS. Stability of the polymeric salts of biologically active amines. *VysokomolekularnyeSoedineniya. Ser.ASer.BSer.C - Kratkiesoobshcheniya* 1996, 38 (8): 1431-1434.
588. Shtilman MI, Sarkisyan MB, **Tsatsakis** AM, Shashkova IM, Mikhailodimitrakis E, Dais F. Water-soluble polymeric esters of carboxyl-containing plant-growth regulators. *VysokomolekularnyeSoedineniya. Ser.ASer.BSer.C - Kratkiesoobshcheniya* 1995, 37 (1): 29-34.
589. Shtilman MI, **Tsatsakis** AM, Yarmysh MY. Polymer esters of indomethacin. *IzvVuzKhimKhTekh* 1995, 38 (1-2): 107-114.
590. Shtilman MI, Kosharnaya OP, Schepens P, **Tsatsakis** AM. Copolymers of n-vinylpyrrolidone and 2-methylene-1,4,6-trioxaspiro-[5,5]-nonane. *IzvVuzKhimKhTekh* 37 (10-12): 108-113 1994.
591. Kornakov MY, **Tsatsakis** AM, Davidovich YA. Synthesis of 1-aminocyclopropane-1-carboxylic acid and several of its derivatives. *IzvVuzKhimKhTekh* 1993, 36 (1): 13-20.
592. **Tsatsakis** AM, Shtilman MI, Sarkisyan MB. Kinetics of the interaction of potassium-salts of a phytoactive carboxylic-acid series with ethylene chlorohydrine. *IzvVuzKhimKhTekh* 1993, 36 (1): 42-45.
593. Shtilman MI, Kornakov MY, **Tsatsakis** AM, Kuruskina NV, Zalukaeva TP. Polymer derivatives of 1-aminocyclopropane-1-carboxylic acid. *VysokomolekularnyeSoedineniya. Ser.ASer.BSer.C - Kratkiesoobshcheniya* 34 (10): 17-22 Oct 1992 (IF1993: 0.627).
594. **Tsatsakis** AM, Shashkova IM, Shtilman MI. Hydrolysis of polymer esters of 1-naphthylacetic acid. *VysokomolekularnyeSoedineniya. Ser.ASer.BSer.C - Kratkiesoobshcheniya* 1992, 34 (11): 32-36.
595. Listitsyn VN, **Tsatsakis** AM, Trushkina TV. 2,6-(carboxymethoxy), 2,7-(carboxymethoxy) and 1,5-(carboxymethoxy), (carboxymethyl-mercapto) naphthalene. *ZhurnalOrganicheskoiKhimii* 1987, 23 (9): 1942-1948.
596. Listitsyn VN, **Tsatsakis** AM. Certain transformations of 2,6-di(carboxymethylthio)naphthalenes and 2,7-di(carboxymethylthio) naphthalenes. *ZhurnalOrganicheskoiKhimii* 1990, 26 (5): 1095-1100.
597. Listitsyn VN, **Tsatsakis** AM. Nitration of 2,6-di(carboxymethyl-sulfonyl)naphthalenes and 2,7-di(carboxymethylsulfonyl) naphthalenes. *IzvVuzKhimKhTekh* 1989, 32 (8): 119-121.
598. Listitsyn VN, **Tsatsakis** AM. Nitration of 2,6-(carboxymethoxy), 2,7-(carboxymethoxy) and 1,5-(carboxymethoxy), (carboxymethylmercapto) naphthalenes. *ZhurnalOrganicheskoiKhimii* 1987, 23 (10): 2208-2212.
599. Listitsyn VN, Kukalenko LS, **Tsatsakis** AM. Synthesis and some transformations of (2,7-naphthylene and 2,6-naphthylene)bisthioacetic acids. *ZhurnalOrganicheskoiKhimii* 1985, 21 (1): 161-164.

**Review papers published in peer-reviewed journals**

1. Kostoff RN, Briggs MB, Kanduc D, Dewanjee S, Kandimalla R, Shoenfeld Y, Porter AL, **Tsatsakis A**. Modifiable contributing factors to COVID-19: A comprehensive review. *Food Chem Toxicol.* 2022 Nov 27:113511. doi: 10.1016/j.fct.2022.113511.
2. Babaeimarzangou SS, Zaker H, Soleimannezhadbari E, Gamchi NS, Kazeminia M, Tarighi S, Seyedian H, **Tsatsakis A**, Spandidos DA, Margina D. Vaccine development for zoonotic viral diseases caused by positive-sense single-stranded RNA viruses belonging

- to the *Coronaviridae* and *Togaviridae* families (Review). *Exp Ther Med*. 2022 Nov 30;25(1):42. doi: 10.3892/etm.2022.11741.
3. Fragkiadaki P, Renieri E, Kalliantasi K, Kouvidi E, Apalaki E, Vakonaki E, Mamoulakis C, Spandidos DA, **Tsatsakis A**. Telomerase inhibitors and activators in aging and cancer: A systematic review. *Mol Med Rep*. 2022; 25(5):158. doi: 10.3892/mmr.2022.12674.
  4. Sadeghi HM, Adeli I, Calina D, Docea AO, Mousavi T, Daniali M, Nikfar S, **Tsatsakis A**, Abdollahi M. Polycystic Ovary Syndrome: A Comprehensive Review of Pathogenesis, Management, and Drug Repurposing. *Int J Mol Sci*. 2022; 23(2):583. doi: 10.3390/ijms23020583.
  5. Kontopodis EE, Papadaki E, Trivizakis E, Maris TG, Simos P, Papadakis GZ, **Tsatsakis A**, Spandidos DA, Karantanas A, Marias K. Emerging deep learning techniques using magnetic resonance imaging data applied in multiple sclerosis and clinical isolated syndrome patients (Review). *Exp Ther Med*. 2021; 22(4): 1149. doi: 10.3892/etm.2021.10583.
  6. Tretyakova MO, Vardavas AI, Vardavas CI, Iatrou EI, Stivaktakis PD, Burykina TI, Mezhuev YO, **Tsatsakis AM**, Golokhvast KS. Effects of coal microparticles on marine organisms: A review. *Toxicol Rep*. 2021; 8:1207-1219. doi: 10.1016/j.toxrep.2021.06.006.
  7. Falzone L, Gattuso G, **Tsatsakis A**, Spandidos DA, Libra M. Current and innovative methods for the diagnosis of COVID-19 infection (Review). *Int J Mol Med*. 2021 Jun;47(6):100. doi: 10.3892/ijmm.2021.4933. Epub 2021 Apr 13.
  8. Amir S, Shah STA, Mamoulakis C, Docea AO, Kalantzi OI, Zachariou A, Calina D, Carvalho F, Sofikitis N, Makrigiannakis A, **Tsatsakis A**. Endocrine Disruptors Acting on Estrogen and Androgen Pathways Cause Reproductive Disorders through Multiple Mechanisms: A Review. *Int J Environ Res Public Health*. 2021; 18(4):1464. doi: 10.3390/ijerph18041464.
  9. Mazilu L, Katsiki N, Nikolouzakis TK, Aslanidis MI, Lazopoulos G, Kouretas D, ... **Tsatsakis A**. ... Nitipir C. Thrombosis and Haemostasis challenges in COVID-19 – Therapeutic perspectives of heparin and tissue-type plasminogen activator and potential toxicological reactions-a mini review. *Food and Chemical Toxicology*. 2021; 148: 111974.
  10. Sidiropoulou P, Docea AO, Nikolaou V, Katsarou MS, Spandidos DA, **Tsatsakis A**, et al. Unraveling the roles of Vitamin D status and melanin during COVID-19 (Review). *International Journal of Molecular Medicine*. 2021; 47: 92–100.
  11. Vardavas CI, Girvalaki C, Odani S, Nikitara K, de Vries I, van Riel A, van Sommeren-de Potter I, Nordmark Grass J, Grassi MC, Deim S, Balazs A, Froszto S, Schiel H, Arif T, Eronen A-K, Alonso AA, Menor JLC, Arrieta RM, Babic Z, Turk R, Vardavas AI, **Tsatsakis A**. Profile of Incidental Exposures to E-Cigarette Liquids in Europe, 2018 – 2019. *Human and Experimental Toxicology*. 2020.
  12. Gagliardi S, Morasso C, Stivaktakis P, Pandini C, Tinelli V, **Tsatsakis A**, Prosperi D, Hickey M, Corsi F, Cereda C. Curcumin Formulations and Trials: What’s New in Neurological Diseases. *Molecules*. 2020; 25: 5389.
  13. Skalny AV, Rios T, Lima R, Ke T, Zhou J, Bornhorst J, Alekseenko SI, Aaseth J, Anesti O, Sarigiannis DA, **Tsatsakis A**, Aschner M, Tinkov AA. Toxic metal exposure as a possible risk factor for COVID-19 and other respiratory infectious diseases. *Food and Chemical Toxicology*. 2020; 146: 111809.
  14. Kostoff RN, Kanduc D, Porter AL, Shoenfeld Y, Calina D, Briggs MB, Spandidos DA, **Tsatsakis A**. Vaccine- and Natural Infection-Induced Mechanisms That Could Modulate Vaccine Safety. *Toxicology Reports* 2020; 7: 1448–1458.
  15. Nikolouzakis TK, Falzone L, Lasithiotakis K, Krüger-Krasagakis S, Kalogeraki A, Sifaki M, Spandidos DA, Chrysos E, **Tsatsakis A**, Tsiaoussis J. Current and Future Trends in Molecular Biomarkers for Diagnostic, Prognostic, and Predictive Purposes in Non-Melanoma Skin Cancer. *Journal of Clinical Medicine*. 2020; 9(9):2868.
  16. Lima M, Siokas V, Aloizou AM, Liampas I, Mentis AFA, Tsouris Z, Papadimitriou A, Mitsias P, **Tsatsakis A**, Bogdanos DP, Baloyannis SJ, Dardiotis E. Unraveling the Possible Routes of SARS-COV-2 Invasion into the Central Nervous System. *Current Treatments Options in Neurology*. 2020; 22(11).
  17. Tzanakakis G, Giatagana E, Kuskov A, Berdiaki A, **Tsatsakis A**, Neagu M, Nikitovic D. Proteoglycans in the pathogenesis of hormone-dependent cancers: mediators and

- effectors. *Cancers*. 2020; 12: 2401.
18. **Tsatsakis A**, Calina D, Falzone L, Petrakis D, Mitrut R, Siokas V, et al. SARS-CoV-2 pathophysiology and its clinical implications: An integrative overview of the pharmacotherapeutic management of COVID-19. *Food and Chemical Toxicology*. 2020; 146: 111769.
  19. Razgonova MP, Zakharenko AM, Golokhvast KS, Thanasoula M, Sarandi E, Nikolouzakis K, Fragkiadaki P, Tsoukalas D, Spandidos DA, **Tsatsakis A**. Telomerase and telomeres in aging theory and chronographic aging theory (Review). *Molecular Medicine Reports*. 2020; 22(3): 1679–94.
  20. Stancioiu F, Papadakis G, Kteniadakakis S, Izotov BN, Coleman MD, Spandidos DA, **Tsatsakis A**. A dissection of SARS CoV2 with clinical implications (Review). *International Journal of Molecular Medicine*. 2020;(8):489-508.
  21. Skalny A, Rink L, Ajsuvakova O, Aschner M, Gritsenko V, Alekseenko S, Svistunov AA, Petrakis D, Spandidos DA, Aaseth J, **Tsatsakis A**, Tinkov AA. Zinc and respiratory tract infections: Perspectives for COVID 19 (Review). *Int J Mol Med*. 2020; 19:1–10.
  22. Calina D, Docea AO, Petrakis D, Egorov AM, Ishmukhametov AA, Gabibov AG, Gabibov AG, Shtilman MI, Kostoff R, Carvalho F, Vinceti M, Spandidos DA, **Tsatsakis A**. Towards effective COVID 19 vaccines: Updates, perspectives and challenges (Review). *International Journal of Molecular Medicine*. 2020 :1–14.
  23. Petrakis D, Margină D, Tsarouhas K, Kouretas D, Spandidos DA, **Tsatsakis A**. Obesity a risk factor for increased COVID 19 prevalence, severity and lethality (Review). *Molecular Medicine Reports*. 2020;9–19.
  24. Goumenou M, Sarigiannis D, **Tsatsakis A**, Anesti O, Docea A, Petrakis D, Tsoukalas D, Kostoff R, Rakitskii V, Spandidos DA, Aschner M, Calina D. COVID 19 in Northern Italy: An integrative overview of factors possibly influencing the sharp increase of the outbreak (Review). *Molecular Medicine Reports*. 2020;20–32.
  25. Nitulescu GM, Paunescu H, Moschos SA, Petrakis D, Nitulescu G, Ion GND, Spandidos DA, Nikolouzakis TK, Drakoulis N, **Tsatsakis A**. Comprehensive analysis of drugs to treat SARS-CoV-2 infection: Mechanistic insights into current COVID-19 therapies (Review). *International Journal of Molecular Medicine*. 2020:1-22.
  26. Trivizakis E, Papadakis GZ, Souglakos I, Papanikolaou N, Koumakis L, Spandidos DA, **Tsatsakis A**, Karantanas AH, Marias K. Artificial intelligence radiogenomics for advancing precision and effectiveness in oncologic care (Review). *International Journal of Oncology*. 2020;57(1):43-53.
  27. Kostouros A, Koliarakis I, Natsis K, Spandidos D, **Tsatsakis A**, Tsiaoussis J. Large intestine embryogenesis: Molecular pathways and related disorders (Review). *International Journal of Molecular Medicine*. 2020:27-57.
  28. Fragkiadaki P, Nikitovic D, Kalliantasi K, Sarandi E, Thanasoula M, Stivaktakis P, Nepka C, Spandidos DA, Tosounidis T, **Tsatsakis A**. Telomere length and telomerase activity in osteoporosis and osteoarthritis (Review). *Experimental and Therapeutic Medicine*. 2020; 19: 1626-1632.
  29. Aloizou AM, Siokas V, Vogiatzi C, Peristeri E, Docea AO, Petrakis D, Provatias A, Folia V, Chalkia C, Vinceti M, Wilks M, Izotov BN, **Tsatsakis A**, Bogdanos DP, Dardiotis E. Pesticides, cognitive functions and dementia: A review. *Toxicology Letters*. 2020; 326: 31–51.
  30. Kalemaki M, Karantanas A, Exarchos D, Detorakis E, Zoras O, Marias K, Millo C, Baggi U, Pallikaris I, Stratis A, Karatzanis I, Perisinakis K, Koutentakis P, Kostadakis GA, Spandidos DA, **Tsatsakis A**, Papadakis GZ. PET/CT and PET/MRI in ophthalmic oncology (Review). *International Journal of Oncology*. 2020; 56: 417-420.
  31. Muşat MG, Niţulescu GM, Surleac M, **Tsatsakis A**, Spandidos DA, Margină D. HIV 1 integrase inhibitors targeting various DDE transposases: Retroviral integration versus RAG mediated recombination (Review). *Molecular Medicine Reports*. 2019;20(6):4749–62.
  32. Krasanakis T, Nikolouzakis TK, Sgantzios M, Mariolis-Sapsakos T, Souglakos J, Spandidos DA, Tsitsimpikou C, **Tsatsakis A**, Tsiaoussis J. Role of anabolic agents in colorectal carcinogenesis: Myths and realities (Review). *Oncology Reports*. 2019.
  33. Ghazanfarpour M, Najafi MN, Roozbeh N, Mashhadi ME, Keramat-Roudi A, Mégarbane B, **Tsatsakis A**, Moghaddam MMM, Rezaee R. (2019).Therapeutic approaches for neonatal abstinence syndrome: a systematic review of randomized clinical trials. *Daru*.

- 27(1), 423–31. doi: 10.1007/s40199-019-00266-3.
34. Govorushko S., Rezaee R., Dumanov J., **Tsatsakis A.** (2019). Poisoning associated with the use of mushrooms: A review of the global pattern and main characteristics. *Food and Chemical Toxicology*, 128, 267–279. doi: 10.1016/j.fct.2019.04.016.
35. Vasilopoulos E, Fragkiadaki P, Kalliora C, Fragou D, Docea AO, Vakonaki E, Tsoukalas D, Calina D, Buga AM, Georgiadis G, Mamoulakis C, Makrigiannakis A, Spandidos DA, **Tsatsakis A.** (2019). The association of female and male infertility with telomere length (Review). *International Journal of Molecular Medicine*. 44(2), 375–89. doi: 10.3892/ijmm.2019.4225.
36. Papadakis G., Karantanis A., Tsikankis M., **Tsatsakis A.**, Spandidos D., & Marias K. (2019). Deep learning opens new horizons in personalized medicine (Review). *Biomedical Reports*, 215–217. doi: 10.3892/br.2019.1199.
37. Zanfirescu A, Ungurianu A, **Tsatsakis AM**, Nițulescu GM, Kouretas D, Veskoukis A, Tsoukalas D, Engin AB, Aschner M, Margina D. (2019). A Review of the Alleged Health Hazards of Monosodium Glutamate. *Comprehensive Reviews in Food Science and Food Safety*. 18(4), 1111-1134. doi: 10.1111/1541-4337.12448.
38. Calina D., Docea A., Golokhvast K., Sifakis S., **Tsatsakis A.**, Makrigiannakis A. (2019). Management of Endocrinopathies in Pregnancy: A Review of Current Evidence. *International Journal of Environmental Research and Public Health*, 16(5), 781. doi: 10.3390/ijerph16050781.
39. Dardiotis E., Aloizou A.-M., Markoula S., Siokas V., Tsarouhas K., Tzanakakis G., Libra M., Kyritsis A. P., Brotis A. G., Aschner M., Gozes I., Bogdanos D. P., Spandidos D. A., Mitsias P. D., **Tsatsakis A.** (2019). Cancer-associated stroke: Pathophysiology, detection and management (Review). *International Journal of Oncology*, 54(3), 779–796. doi: 10.3892/ijo.2019.4669.
40. Nawaz M. A., Mesnage R., **Tsatsakis A. M.**, Golokhvast K. S., Yang S. H., Antoniou M. N., Chung G. (2019). Addressing concerns over the fate of DNA derived from genetically modified food in the human body: A review. *Food and Chemical Toxicology*, 124, 423–430. doi: 10.1016/j.fct.2018.12.030.
41. Razgonova M., Veselov V., Zakharenko A., Golokhvast K., Nosyrev A., Cravotto G., **Tsatsakis A.**, Spandidos D. (2019). Panax ginseng components and the pathogenesis of Alzheimer's disease (Review). *Molecular Medicine Reports*. doi: 10.3892/mmr.2019.9972.
42. Nitulescu G.M., Van De Venter M., Nitulescu G., Ungurianu A., Juzenas P., Peng Q., Tuborel Olaru O., Gradinaru D., **Tsatsakis A.**, Tsoukalas D., Spandidos D.A., Margina D. (2018). The Akt pathway in oncology therapy and beyond (Review). *International Journal of Oncology*, 53(6), 2319–2331. doi: 10.3892/ijo.2018.4597.
43. **Tsatsakis A.M.**, Vassilopoulou L., Kovatsi L., Tsitsimpikou C., Karamanou M., Leon G., Liesivuori J., Hayes A.W., Spandidos D.A. (2018). The dose response principle from philosophy to modern toxicology: The impact of ancient philosophy and medicine in modern toxicology science. *Toxicology Reports*, 5(October), 1107–1113. doi: 10.1016/j.toxrep.2018.10.001.
44. Tavassoli M., Afshari A., Arsene A. L., Mégarbane B., Dumanov J., Bastos Paoliello M. M., **Tsatsakis A.**, Carvalho F., Hashemzaei M., Karimi G., Rezaee R. (2019). Toxicological profile of Amanita virosa – A narrative review. *Toxicology Reports*, 6, 143–150. doi: 10.1016/j.toxrep.2019.01.002.
45. Katsikantami I., Colosio C., Alegakis A., Tzatzarakis M.N., Vakonaki E., Rizos A.K., Sarigiannis D.A., **Tsatsakis, A.M.** (2019). Estimation of daily intake and risk assessment of organophosphorus pesticides based on biomonitoring data – The internal exposure approach. *Food and Chemical Toxicology*, 123(October 2018), 57–71. doi: 10.1016/j.fct.2018.10.047.
46. Buha A., Matovic V., Antonijevic B., Bulat Z., Curcic M., Renieri E. A., **Tsatsakis A.M.**, Schweitzer A., Wallace D. (2018). Overview of cadmium thyroid disrupting effects and mechanisms. *Int. J. Mol. Sci.* 19(5). doi: 10.3390/ijms19051501.
47. Vakonaki E., Tsiminikaki K., Plaitis S., Fragkiadaki P., Tsoukalas D., Katsikantami I., Vaki G., Tzatzarakis M., Spandidos D., **Tsatsakis A.** (2018) Common mental disorders and association with telomere length (Review), *Biomed. Reports*. 111–116. doi:10.3892/br.2018.1040.
48. Boda D., Docea A.O., Calina D., Ilie M.A., Caruntu C., Zurac S., Neagu M., Constantin C.,

- Branisteanu D.E., Voiculescu V., Mamoulakis C., Tzanakakis G., Spandidos D.A., Drakoulis N., **Tsatsakis A.M.** (2018) Human papilloma virus: Apprehending the link with carcinogenesis and unveiling new research avenues (Review), *Int. J. Oncol.* 52 637–655.
49. Nikolouzakis T., Vassilopoulou L., Fragkiadaki P., MariolisSapsakos T., Papadakis G., Spandidos D., **Tsatsakis A.**, Tsiaoussis J. (2018) Improving diagnosis, prognosis and prediction by using biomarkers in CRC patients (Review), *Oncol. Rep.* 2455–2472.
50. Katsikantami I, Kavvalakis MP, Tzatzarakis MN, Nosyrev AE, Vakonaki E, **Tsatsakis AM.** Advances on biomonitoring of organophosphorus and organochlorine pesticides. *Journal of Siberian Federal University. Biology.* 2017.10(2). 153-170.
51. Wojciechowski VV, Calina D, Tsarouhas K, Pivnik AV, Sergievich AA, Kodintsev VV, Filatova EA, Ozcagli E, Docea AO, Arsene AL, Gofita E, Tsitsimpikou C, **Tsatsakis AM,** Golokhvast KS. A guide to acquired vitamin K coagulopathy diagnosis and treatment: the Russian perspective. *Daru.* 2017 Apr 17;25(1):10.
52. **Tsatsakis AM,** Nawaz MA, Kouretas D, Balias G, Savolainen K, Tutelyan VA, Golokhvast KS, Lee JD, Yang SH, Chung G. Environmental impacts of genetically modified plants: A review. *Environ Res.* 2017. 156. 818-833.
53. Vinceti M, Filippini T, Cilloni S, Bargellini A, Vergoni AV, **Tsatsakis A,** Ferrante M. Health risk assessment of environmental selenium: Emerging evidence and challenges (Review). *Mol Med Rep.* 2017 May;15(5):3323-3335
54. Alamolhodaei NS, **Tsatsakis AM,** Ramezani M, Hayes AW, Karimi G. Resveratrol as MDR reversion molecule in breast cancer: An overview. *Food Chem Toxicol.* 2017 May;103:223-232.
55. Sifakis S, Androutsopoulos VP, **Tsatsakis AM,** Spandidos DA. Human exposure to endocrine disrupting chemicals: effects on the male and female reproductive systems. *Environ ToxicolPharmacol.* 2017 Apr;51:56-70.
56. Hernández AF, **Tsatsakis AM.** Human exposure to chemical mixtures: Challenges for the integration of toxicology with epidemiology data in risk assessment. *Food Chem Toxicol.* 2017 May;103:188-193.
57. Kavasi RM, Berdiaki A, Spyridaki I, Corsini E, **Tsatsakis A,** Tzanakakis G, Nikitovic D. HA metabolism in skin homeostasis and inflammatory disease. *Food Chem Toxicol.* 2017 Mar;101:128-138.
58. Bostan HB, Rezaee R, Valokala MG, Tsarouhas K, Golokhvast K, **Tsatsakis AM,** Karimi G. Cardiotoxicity of nano-particles. *Life Sci.* 2016 Nov 15;165:91-99.
59. Katsikantami I, Sifakis S, Tzatzarakis MN, Vakonaki E, Kalantzi OI, **Tsatsakis AM,** RizosAK. A global assessment of phthalates burden and related links to health effects. *Environ Int.* 2016; 97, 212–236.
60. Vakonaki E, Androutsopoulos VP, Liesivuori J, **Tsatsakis AM,** Spandidos DA. Pesticides and oncogenic modulation. *Toxicology.* 2013 May 10;307:42-5.
61. Gangemi S, Gofita E, Costa C, Teodoro M, Briguglio G, Nikitovic D, Tzanakakis G, **Tsatsakis AM,** Wilks MF, Spandidos DA, Fenga C. Occupational and environmental exposure to pesticides and cytokine pathways in chronic diseases (Review). *Int J Mol Med.* 2016 Oct;38(4):1012-20.
62. Nikitovic D, Kavasi RM, Berdiaki A, Papachristou DJ, Tsiaoussis J, Spandidos DA, **Tsatsakis AM,** Tzanakakis GN. Parathyroid hormone/parathyroid hormone-related peptide regulate osteosarcoma cell functions: Focus on the extracellular matrix (Review). *Oncol Rep.* 2016 Oct; 36(4): 1787–1792..
63. Neagu M, Piperigkou Z, Karamanou K, Engin AB, Docea AO, Constantin C, Negrei C, Nikitovic D, **Tsatsakis A.** Protein bio-corona: critical issue in immune nanotoxicology. *Arch Toxicol.* 2016 Mar;91(3):1031-1048 Review.
64. Fragkiadaki P, Tsoukalas D, Fragkiadoulaki I, Psycharakis C, Nikitovic D, Spandidos DA, **Tsatsakis AM.** Telomerase activity in pregnancy complications (Review). *Mol Med Rep.* 2016 Jul;14(1):16-21.
65. Neagu M, Caruntu C, Constantin C, Boda D, Zurac S, Spandidos DA, **Tsatsakis AM.** Chemically induced skin carcinogenesis: Updates in experimental models (Review). *Oncol Rep.* 2016 May;35(5):2516-28.
66. Nitulescu GM, Margina D, Juzenas P, Peng Q, Olaru OT, Saloustros E, Fenga C, Spandidos DA, Libra M, **Tsatsakis AM.** Akt inhibitors in cancer treatment: The long journey from drug discovery to clinical use (Review). *Int J Oncol.* 2016 Mar;48(3):869-

- 85.
67. Piperigkou Z, Karamanou K, Engin AB, Gialeli C, Docea AO, Vynios DH, Pavão MS, Golokhvast KS, Shtilman MI, Argiris A, Shishatskaya E, **Tsatsakis**AM. Emerging aspects of nanotoxicology in health and disease: From agriculture and food sector to cancer therapeutics. *Food Chem Toxicol*. 2016 May;91:42-57.
68. Margină D, Ilie M, Grădinaru D, Androutopoulos VP, Kouretas D, **Tsatsakis** AM. Natural products-friends or foes? *Toxicol Lett*. 2015 Aug 5;236(3):154-67. Review.
69. Nikitovic D, Tzardi M, Berdiaki A, **Tsatsakis** A, Tzanakakis GN. Cancer microenvironment and inflammation: role of hyaluronan. *Front Immunol*. 2015 Apr 14;6:169. Review.
70. Sfakianakis DG, Renieri E, Kentouri M, **Tsatsakis**AM. Effect of heavy metals on fish larvae deformities: A review. *Environ Res*. 2015 Feb;137:246-55. Epub 2015 Jan 14. Review.
71. Kerksick CM, **Tsatsakis** AM, Hayes AW, Kafantaris I, Kouretas D. How can bioinformatics and toxicogenomics assist the next generation of research on physical exercise and athletic performance. *J Strength Cond Res*. 2015 Jan;29(1):270-8. Review.
72. Nikitovic D, Juranek I, Wilks MF, Tzardi M, **Tsatsakis** A, Tzanakakis GN. Anthracycline-dependent cardiotoxicity and extracellular matrix remodeling. *Chest*. 2014 Oct;146(4):1123-30. Review.
73. Baltazar MT, Dinis-Oliveira RJ, de Lourdes Bastos M, **Tsatsakis** AM, Duarte JA, Carvalho F. Pesticides exposure as etiological factors of Parkinson's disease and other neurodegenerative diseases--a mechanistic approach. *Toxicol Lett*. 2014 Oct 15;230(2):85-103. Review.
74. Mehrpour O, Karrari P, Zamani N, **Tsatsakis** AM, Abdollahi M. Occupational exposure to pesticides and consequences on male semen and fertility: A review. *Toxicol Lett*. 2014 Oct 15;230(2):146-56.
75. Vinceti M, Mandrioli J, Borella P, Michalke B, **Tsatsakis** A, Finkelstein Y. Selenium neurotoxicity in humans: bridging laboratory and epidemiologic studies. *Toxicol Lett*. 2014 Oct 15;230(2):295-303. Review.
76. Tsakiris IN, Kokkinakis E, Dumanov JM, Tzazarakis MN, Flouris AD, Vlachou M, **Tsatsakis** AM. Comparative evaluation of xenobiotics in human and dietary milk: persistent organic pollutants and mycotoxins. *Cell Mol Biol (Noisy-le-grand)*. 2013 Nov 3;59(1):58-66. Review.
77. Juránek I, Nikitovic D, Kouretas D, Hayes AW, **Tsatsakis** AM. Biological importance of reactive oxygen species in relation to difficulties of treating pathologies involving oxidative stress by exogenous antioxidants. *Food Chem Toxicol*. 2013 Nov;61:240-7. Review.
78. Nikitovic D, Corsini E, Kouretas D, **Tsatsakis** A, Tzanakakis G. ROS-major mediators of extracellular matrix remodeling during tumor progression. *Food Chem Toxicol*. 2013 Nov;61:178-86. Review.
79. Kerksick CM, Willoughby D, Kouretas D, **Tsatsakis**A. Intramuscular responses with muscle damaging exercise and the interplay between multiple intracellular networks: a human perspective. *Food Chem Toxicol*. 2013 Nov;61:136-43. Review.
80. Nikitovic D, Berdiaki A, Banos A, **Tsatsakis** A, Karamanos NK, Tzanakakis GN. Could growth factor-mediated extracellular matrix deposition and degradation offer the ground for directed pharmacological targeting in fibrosarcoma? *Curr Med Chem*. 2013;20(23):2868-80. Review.
81. Corsini E, Galbiati V, Nikitovic D, **Tsatsakis** AM. Role of oxidative stress in chemical allergens induced skin cells activation. *Food Chem Toxicol*. 2013 Nov;61:74-81. Review.
82. Zaganas I, Kapetanaki S, Mastorodemos V, Kanavouras K, Colosio C, Wilks MF, **Tsatsakis** AM. Linking pesticide exposure and dementia: what is the evidence? *Toxicology*. 2013 May 10;307:3-11. Review.
83. Dardiotis E, Xiromerisiou G, Hadjichristodoulou C, **Tsatsakis** AM, Wilks MF, Hadjigeorgiou GM. The interplay between environmental and genetic factors in Parkinson's disease susceptibility: the evidence for pesticides. *Toxicology*. 2013 May 10;307:17-23. Review.
84. Mrema EJ, Rubino FM, Brambilla G, Moretto A, **Tsatsakis** AM, Colosio C. Persistent organochlorinated pesticides and mechanisms of their toxicity. *Toxicology*. 2013 May 10;307:74-88. Review.

85. Koureas M, Tsakalof A, **Tsatsakis**A, Hadjichristodoulou C. Systematic review of biomonitoring studies to determine the association between exposure to organophosphorus and pyrethroid insecticides and human health outcomes. *Toxicology letters* 2012 Apr 25;210(2):155-68.
86. Androutsopoulos VP, Hernandez AF, Liesivuori J, **Tsatsakis** AM. A mechanistic overview of health associated effects of low levels of organochlorine and organophosphorous pesticides. *Toxicology* 2013 May10;307:89-94
87. Stagos D, Amoutzias GD, Matakos A, Spyrou A, **Tsatsakis** AM, Kouretas D. Chemoprevention of liver cancer by plant polyphenols. *Food Chem Toxicol.* 2012 Jun;50(6):2155-70. Review.
88. Kavvalakis MP, **Tsatsakis** AM. The atlas of dialkylphosphates; assessment of cumulative human organophosphorus pesticides' exposure. *Forensic Sci Int.* 2012 May 10;218(1-3):111-22. Review.
89. Appenzeller BMR, **Tsatsakis** AM. Hair analysis for biomonitoring of environmental and occupational exposure to organic pollutants: State of the art, critical review and future needs. *Toxicology letters.* 2012 Apr 25;210(2):119-40. Review.
90. Veskoukis AS, **Tsatsakis**AM, Kouretas D. Dietary oxidative stress and antioxidant defense with an emphasis on plant extract administration. *Cell Stress Chaperones.* 2012 Jan;17(1):11-21 Review.
91. Androutsopoulos VP, Kanavouras K, **Tsatsakis** AM. Role of paraoxonase 1 (PON1) in organophosphate metabolism: implications in neurodegenerative diseases. *Toxicol Appl Pharmacol.* 2011 Nov 1;256(3):418-24. Review.
92. Vardavas CI, Flouris AD, **Tsatsakis** A, Kafatos AG, Saris WH. Does adherence to the Mediterranean diet have a protective effect against active and passive smoking? *Public Health.* 2011 Mar;125(3):121-8. Review.
93. Tsitsimpikou C, Kouretas D, Tsarouhas K, Fitch K, Spandidos DA, **Tsatsakis** A. Applications and biomonitoring issues of recombinant erythropoietins for doping control. *Ther Drug Monit.* 2011 Feb;33(1):3-13. Review.
94. Androutsopoulos VP, Papakyriakou A, Vourloumis D, **Tsatsakis**AM, Spandidos DA. Dietary flavonoids in cancer therapy and prevention: substrates and inhibitors of cytochrome P450 CYP1 enzymes. Review. *Pharmacology & Therapeutics* 2010, 126(1):9-20.
95. Flouris AD, Vardavas CI, Metsios GS, **Tsatsakis** AM, Koutedakis Y. Biological evidence for the acute health effects of secondhand smoke exposure. Review. *American Journal Of Physiology-Lung Cellular And Molecular Physiology* 2010, 298(1):L3-L12.
96. Androutsopoulos VP, **Tsatsakis** AM, Spandidos DA. Cytochrome P450 CYP1A1: wider roles in cancer progression and prevention. Review *BMC CANCER* 2009, 16;9:187.
97. Margariti, M.G., Tsakalof, A.K., **Tsatsakis**, A.M. Analytical methods of biological monitoring for exposure to pesticides: Recent update. *Therapeutic Drug Monitoring.* 2007, 29 (2), 150-163.
98. Papanikolaou NC, Hatzidaki EG, Belivanis S, Tzanakakis GN, **Tsatsakis** AM. Lead toxicity update. A brief review. *Medical Science Monitor* 2005 Oct;11(10):RA329-336.
99. Bertsias GK, Katonis P, Tzanakakis G, **Tsatsakis** AM. Review of clinical and toxicological features of acute pesticide poisonings in Crete (Greece) during the period 1991-2001. *MEDICAL SCIENCE MONITOR* 2004, 10(11):CR622-627.
100. Shtilman MI, Tzatzarakis M, Lotter MM, **Tsatsakis** AM. Polymeric fungicides: A review. *Polymer science. Series B* 41 (7-8), 243-254
101. Christakis-Hampsas M, Tutudakis M, **Tsatsakis** AM, Assithianakis P, Alegakis A, Katonis PG, Michalodimitrakis ENI. Acute poisonings and sudden deaths in Crete: A five-year review (1991-1996). *Veterinary And Human Toxicology* 1998, 40 (4): 228-230.
102. **Tsatsakis** AM, Michalodimitrakis MN, Patsalis AN. MDEA related death in Crete: A case report and literature review. *Veterinary And Human Toxicology* 1997, 39 (4): 241-244.
103. Michalodimitrakis MN, **Tsatsakis** AM, Christakis Hampsas MG, Trikili N, Christodoulou P. Death following intentional methyl bromide poisoning: Toxicological data and literature review. *Veterinary And Human Toxicology* 1997, 39 (1): 30-34.
104. Bouros D, Agouridakis P, **Tsatsakis** AM, Askitopoulou E, Sifakakis NM. Orthodeoxia and platypnoea after acute organophosphorus poisoning reversed by cpap - a newly described cause and review of the literature. *Respiratory Medicine* 1995, 89 (9): 625-628

## Attendance at National and International Meetings

### National (Greek) Meetings

1. 1st Panhellenic Congress of Toxicology and Forensic Science, Thessaloniki, 1998.
2. 2nd Panhellenic Congress of Toxicology and Forensic Science. Piraeus 24-26 November 2000.
3. 3rd Panhellenic Congress of Toxicology and Forensic Science. Candia Maris Hotel, Heraklion, Crete, 6 – 10 November 2002
4. 4th Panhellenic Congress of Toxicology and Forensic Science, Athens, September 23-25 2005
5. 5th Panhellenic Congress of Toxicology and Forensic Science, kastoria, September 28-29 2007
6. 6th Panhellenic Congress of Toxicology and Forensic Science, Filoxenia hotel, Kalamata, 4-6 December 2009
7. 3<sup>th</sup> Hellenic congress of public health and social medicine. Royal Olympic, Athens, 30 Nov-2 Dec, 2012
8. 5th World Congress on Advance in Oncology and 3rd International Symposium on Molecular Medicine, Crete, Greece, October 19-21, 2000.
9. 9th Panhellenic Congress «Youth people and Drugs» Medical School, University of Crete, Heraklion, Crete.
10. 11th Panhellenic Congress of Obstetrics and Gynecology. Hilton, Athens, May 28-31 2009
11. 18th Panhellenic Congress of Greek Society of Pediatrics and Health Promotion, "Child, Health and Culture", 28 Sept –1 october 2006, Crete, Heraklion, Greece.
12. 44th Panhellenic Paediatric Congress, Rhodes, Rodos Palace, June 9-11 2006.
13. 1st Panhellenic Congress of Medical Mycology, May 27-29 2005, Athens.
14. 2nd Congress of EPEAEK, ARCIMEDES, Athens, November 22-24 2006.
15. 6th Biomedical International Research Congress, Athens 2000.
16. 6th World Hellenic Biomedical Congress, Athens 12-14 October 2000.
17. 10th Pancretan Medical Congress, 9-12 November 2000, Medical Society of Rethimno, Rethimnon
18. 16th Panhellenic Congress on Lung Disease, Athens, December 2007.
19. 16<sup>th</sup> Panhellenic Entomological Congress, Aquila Atlantis Hotel, Heraklion, Crete, 20-23 October, 2015.
20. 42<sup>nd</sup> Annual Panhellenic Congress, 11-14 May 2016, Athens, Divani Caravel Hotel, 2016.

### International Meetings

1. 3<sup>rd</sup> International Congress, Pharmacogenomics and Personalized Diagnosis and Therapy, 10-12 January 2020, Athens, Greece
2. International Conference of Food Safety Risk Analysis and Antimicrobial Resistance, 17-18 December 2019, Moscow, Russia
3. 24th World Congress on Advances in Oncology and 24th International Symposium on Molecular Medicine, October 10-12, 2019, Sparta, Greece
2. Immuno-Dermatology Conference, 18-21 September 2019, Bucharest, Romania
3. EUROTOX 2019, 8-11 September 2019, Helsinki, Finland
4. IUTOX 15<sup>th</sup> International Congress of Toxicology (ICTXV), Co-Hosted by SOT, 15-18 July, 2019, Hawaii, USA.
5. 24<sup>th</sup> Interdisciplinary Toxicology Conference "TOXCON", Slovak Toxicology Society SETOX, 26 - 28 June, 2019, Vyhne, Slovakia.
6. Congress Analytical Toxicology: Advances and Perspectives for Development, 10 - 11 June, 2019, Hilton Honors, Moscow.
7. Toxicology and Applied Pharmacology Conference, 3-4 June 2019, Berlin, Germany.
8. Clinical Toxicology Congress, May 25-27, 2019, Konya, Turkey.
9. 1<sup>st</sup> Neurosome Symposium May 09 - 10 2019 during BIONANOTOX 2019: Awarding Prof Denis Sarigiannis for his dedication and vision to Neurosome and RLRS
10. BIONANOTOX 2019, 10<sup>th</sup> Interantional Conference "Biomaterials and

- Nanomaterials: Recent Advances Safety - Toxicology and Ecology Issues", May 05 - 12, 2019, Heraklion, Crete, Greece.
11. Iasi Dermatological Spring - Dermatology Borderline with Other Specialties & Laser Europe 2019 Conference, 10-14 April, 2019, Iasi, Romania.
  12. 23<sup>rd</sup> International Symposium on Molecular Medicine, March 28-30, 2019, Bangkok, Thailand.
  13. Society of Toxicology Annual Meeting: Toxicology Reports & Food Chem Toxicology & Current Opinion Toxicology, 10-14 March 2019, Baltimore, USA.
  14. Workshop on the Chemical Analysis of Traditional and Novel Tobacco Products, JRC-Geel - Geel, 11 -12 October 2018, Belgium
  15. New Biotechnology Materials & Environment & Life Quality, III International scientific conference, 1-4 October 2018, Krasnoyarsk, Russia.
  16. Immunology Dermatology Congress, 27-29 September 2018, Bucharest, Romania.
  17. 23<sup>rd</sup> World Congress on Advances in Oncology and 22<sup>nd</sup> International Symposium on Molecular Medicine, 20-22 September 2018, Athens, Greece.
  18. EUROTOX 2018, 2-5 September 2018, Brussels, Belgium.
  19. Challenges for Risks Assessments in 21st Century: Simulation of Real life Exposures to Daily Hazards, 6th International Conference on Industrial and Hazardous Waste Management, 4-7 September 2018, Chania, Crete, Greece.
  20. Smoking and Tobacco Prevention International Conference by ENSP and HORIZON project EUREST PLUS, June 12-16, 2018, Madrid, Spain.
  21. IUTOX CTDC Congress, 18-21 April, 2018, Belgrade, Serbia.
  22. European Registered Toxicologist EUROTOX workshop, 4-5 April, 2018, Milano, Italy.
  23. Toxicology Reports and FCT Editorial meetings during SOT Congress, 14 March, 2018, San Antonio, Texas.
  24. 1<sup>st</sup> International ATAVET Student Congress, Ataturk University, Vetmed Faculty, 18-20 October, 2017, Erzurum, Turkey.
  25. 21<sup>st</sup> Symposium of the Romanian PsychoNeuroEndocrine Society, 4-6 October, 2017, Iasi, Romania.
  26. Siberian Federal University International Conference on Biotechnology and Quality of Life, 25-29 September, 2017, Krasnoyarsk, Russia.
  27. Psychopharmacology Conference, 18-21 May, 2017, Bucharest.
  28. International Workshop "Biotechnology of new materials and the environment. International conference including school of young scientists, 10-14 October, 2016, Kpachorpck, Russia.
  29. International conference «Hygiene, toxicology, professional pathology: traditions and modernity», dedicated to 125 anniversary of the Federal Scientific Centre of Hygiene named after F.F.Erisman., November 9-10, 2016, Moscow.
  30. 18th Meeting of the Society of Hair Testing , Geneva, Swiss, 28 - 30 August, 2013
  31. 8th International Conference "IMA 2013-Instrumental Methods of Analysis-Modern Trends and Applications, 15-19 September 2013, Thessaloniki, Greece
  32. Annual Conference of the Canadian Society of Exercise Physiology. November 9-12 2005, Gatineau, Quebec, Canada.
  33. International Conference, Instrumental Methods of Analysis Modern Trends and Applications, IMA, 2-6 October 2005, Hersonissos, Heraklion, Crete.
  34. FBI Laboratory Symposium on Forensic Toxicology and Joint Meeting of the Society of Forensic Toxicologists (SOFT) & The International Association of Forensic Toxicologists (TIAFT), Washington, District of Columbia, United States of America, August 28–September 3, 2004.
  35. IXth International Symposium on Biomedical Science and Technology, 19-22 Sept 2002, Kemer, Antalya, Turkey
  36. International Conference on Rural Health in Mediterranean and Balkan Countries, Bari, Italy, November 13-16 2002
  37. XIVth World Congress of Pharmacology. San Francisco, California, USA, July 6-12

- 2002.
38. Conference «Condensed polymers: Synthesis, structure, properties», Jan 12-14, Moscow, 1999
  39. Erisman Conference on Hygiene and Preventive Medicine and Toxicology, 9-10 November, 2016, Moscow, Russia.
  40. Medical Research Center Ekaterinburg, International Nanotechnology Conference, 21 October, 2016, Russia.
  41. Pesticides Symposium IUTOX, XIV International Congress of Toxicology in conjunction with the X Mexican Congress of Toxicology, Merida, 2-6 October, 2016, Mexico.
  42. International Conference on Rural Health, Department of Occupational Health of the University of Milan, San Paolo Hospital, April 2008, Milan, Italy.
  43. NATO Advanced Research Workshop, “Counteraction of Chemical and Biological Terrorism at a National and Local Level in Europe”, 14-17 October, 2008, Dnepropetrovsk, Ukraine.
  44. (IAAMH) International Conference of the Internal Association of Agriculture Medicine and Rural Health in Mediterranean and Balkan Countries, 13-16 November, 2002, Bari, Italy.
  45. XII International Congress of Toxicology, (IUTOX-2010), 11 - 15 July, 2010, Barcelona, Spain.
  46. International Congress of Toxicology IX (ICT XI) IUTOX, 15-19 July, 2007, Montreal, Canada.
  47. International Congress on Radiology Oncology, 20-23 November, 2003, Kochi, Kerala, India.
  48. International Toxicology Workshop in ECOHYNTOX, 17-18, December, 2016, Kiev, Ukraine.
  49. 1<sup>st</sup> International Congress and Workshop of Forensic Toxicology, (FORETOX 2014), 29-30 November, 2014, Ankara, Turkey.
  50. International Occupational and Environmental Diseases Congress, 27-29, March, 2017, Antalya, Turkey.
  51. 3<sup>rd</sup> International Symposium on Green Chemistry for Environment, Health and Development, October 3-5, 2012, Skiathos island, Greece
  52. 1<sup>st</sup> Russian – Hellenic Symposium on Polymeric Biomaterials and Bionanomaterials: Recent Advances Safety and Toxicology Issues, Heraklion, Crete, 3-9 May, 2010 Greece.
  53. 2<sup>nd</sup> Russian – Hellenic Symposium with International Participation and Young Scientist’s School, (BIONANOTOX 2011), 5-12 May, 2011, Crete, Greece.
  54. 3<sup>rd</sup> Russian-Hellenic Symposium. Biomaterials and Bionanomaterials: Recent Problems and Safety Issues. Heraklio, Agapi Beach, May 6-13, 2012, Crete, Greece.
  55. 4<sup>th</sup> Russian-Hellenic Symposium. Biomaterials and Bionanomaterials: Recent Problems and Safety Issues. Heraklio, Agapi Beach, May 5-12, 2013, Crete, Greece.
  56. 5<sup>th</sup> Russian-Hellenic Symposium. Biomaterials and Bionanomaterials: Recent Problems and Safety Issues. Heraklio, Agapi Beach, May 4-11, 2014, Crete, Greece.
  57. 6<sup>th</sup> Russian –Hellenic Symposium. “Biomaterials and nanobiomaterials: recent Advances safety-Toxicology and ecology issues”. 3-10 May, 2015, Heraklion, Crete, Greece.
  58. 7<sup>th</sup> International Conference Biomaterials and nanobiomaterials. Recent advances Safety-Toxicology and Ecology Issues, BIONANOTOX 2016, 8-15 May, 2016, Crete, Greece.
  59. 8<sup>th</sup> International Conference “Biomaterials and Nanomaterials: Recent Advances Safety-Toxicology and Ecology Issues” (BIONANOTOX 2017), Heraklion, Crete, Greece, 7-14 May
  60. 3<sup>rd</sup> International Conference on Environmental Management, Engineering, Planning and Economics (CEMEPE 2011) & SECOTOX Conference. June 19-24, Skiathos, Greece, 2011.
  61. 3<sup>rd</sup> international Congress on Rural Health in Mediterranean and Balkan Countries, 22-25 September, Tirana, Albania, 2010
  62. 3<sup>rd</sup> European Academy of Forensic Science Triennial Meeting, September 22-27 2003, Istanbul, Turkey

63. 7<sup>th</sup> CTDC, Congress Of Toxicology In Developing Countries, 6-10 September, 2009, Sun City, South Africa.
64. 4<sup>th</sup> National Congress of Clinical Toxicology with International participation and Annual Meeting of Bulgarian Toxicological Society, 7-8 November 2013, Sofia, Bulgaria
65. 4<sup>th</sup> Congress of Toxicology CTOX-DC, Nov 1999, Antalya, Turkey.
66. 5<sup>th</sup> International Congress of Turkish Society of Toxicology (CTOX), 30 October-2 November 2003, Antalya, Turkey
67. 8<sup>th</sup> World Congress on Toxicology and Pharmacology, 13-15, April, 2017 Dubai, UAE.
68. The 7<sup>th</sup> Athens Congress on Women's Health and Disease. September 11-13, 2008, Athens, Greece.
69. 8<sup>th</sup> International Symposium on Biology Monitoring in Occupational and Environmental Health (ISBM 2010), Hanasaari, Espoo, Finland, 6-8 September 2010.
70. 5<sup>th</sup> World Congress on Advance in Oncology and 3<sup>rd</sup> International Symposium on Molecular Medicine, Hersonissos, Crete, Greece, 19-21 October 2000.
71. 5<sup>th</sup> World Congress on Advance in Oncology and 3<sup>rd</sup> International Symposium on Molecular Medicine, 19-21 October, 2000, Crete, Greece.
72. 9<sup>th</sup> Congress of the Turkish Society of Toxicology with the participation of the Hellenic Society of Toxicology, October 21-24, 2015, CesmeAltinYunus hotel, Izmir, Turkey.
73. 9<sup>th</sup> Congress of the Turkish Society of Toxicology with the Hellenic Society of Toxicology (TURKHELTOX 2015), 21-24 October, 2015, Izmir, Turkey.
74. 10<sup>th</sup> World Congress in Fetal Medicine, Hilton Malta Hotel, Portomaso St Julians, 26<sup>th</sup>-30<sup>th</sup> June. 2011, Malta.
75. 11<sup>th</sup> Conference of the International Society for the Prevention of Tobacco Induced Diseases. December 9-11, Athens, Greece.
76. 11<sup>th</sup> Serbian Congress of Toxicology, New Frontiers and Challenges in Toxicology, SremskiKarlovc, 24-27 June, 2014, Serbia
77. Biotechnology Conference in Siberian Federal University, 13 October, 2016, Krasnoyarsk, Russia.
78. 13<sup>th</sup> Iranian International Congress of Toxicology, Urmia University, 12-14 May, 2015, Urmia, Iran.
79. 14<sup>th</sup> international symposium on advances in extraction technologies. September 24-26, 2012, Messina, Italy.
80. 14<sup>th</sup> European Congress of Clinical Microbiology and Infectious Diseases. Prague, Czech, May 1-4 2004.
81. 15<sup>th</sup> Congress of the International Association of Forensic Sciences (IAFS), August 1999, LA, California, USA.
82. 17<sup>th</sup> Panhellenic congress Greek Association of Perinatal Medicine, Athens 1-3 November 2013.
83. International Congress for Rural Health, 22 November, 2007, Milan, Italy.
84. 27<sup>th</sup> International Symposium on Controlled Release of Bioactive Materials and the third Consume and Diversified Products Conference, Paris, France 2000
85. 31<sup>st</sup> international symposium on chromatography, University College Cork, Cork, Ireland, 28<sup>th</sup> August-1<sup>st</sup> Sept, 2016.
86. 18<sup>th</sup> European Respiratory Society Annual Congress, September 15-19, 2007, Stockholm, Sweden.
87. 34<sup>th</sup> Intern. Congress on Forensic Toxicology (TIAFT), Interaken, Switzerland 1996
88. 35<sup>rd</sup> International Congress on Forensic Toxicology, ed Tedeschi L (TIAFT), Padova, 1997
89. F.F. Erisman Federal Research Center for Hygiene, 15 December, 2014, Moscow, Russia.
90. 36<sup>th</sup> International Symposium on Capillary Chromatography, Riva del Garda, Italy 27 May -1 June 2012.
91. 46<sup>th</sup> Annual Meeting and ToxExpo, Charlotte, North Carolina, USA, March 25-29, 2007.
92. 42<sup>nd</sup> congress of European Societies of Toxicology (Eurotox 2005), Krakow, Poland,

- 11-14 September 2005.
93. 43rd Congress of The European Societies of Toxicology (EUROTOX 2006) and 6th Congress of Toxicology in Developing Countries (6th CTDC), September 20-24 2006, Dubrovnik, Croatia.
  94. 44th Congress of the European Societies of Toxicology (EUROTOX 2007), Amsterdam, the Netherlands, 7-10 October 2007.
  95. 45th Congress of the European Societies of Toxicology (EUROTOX 2008), Rhodos, Greece, 5-8 October 2008.
  96. 46th Congress of the European Societies of Toxicology (EUROTOX2009) September 13-16, 2009, Dresden, Germany.
  97. 47th Congress of the European Societies of Toxicology (EUROTOX2011) August 28-31, 2011, Porte Maillot, Paris, France.
  98. 48th Congress of the European Societies of Toxicology (EUROTOX 2012) June 17-20, 2012, Stockholm, Sweden.
  99. 49th Congress of the European Societies of Toxicology (EUROTOX 2013) September 1-4, 2013, Switzerland, Interlanken.
  100. 50th Congress of The European Societies of Toxicology (EUROTOX 2014), 7-10 September, 2014, Edinburgh, United Kingdom.
  101. 51st Congress of the European Societies of Toxicology (EUROTOX2015), 13-16 September 2015, Porto, Portugal.
  102. 52<sup>nd</sup> Congress of the European Societies of Toxicology (EUROTOX 2016), Seville, Spain, 4 September, 2016.
  103. 53<sup>rd</sup> Congress of the European Societies of Toxicology (EUROTOX 2017), Bratislava, Slovak, 10-13 September, 2017.
  104. 10th International Congress of Toxicology (ICTX), 11-15, July 2004, Tampere, Finland.
  105. Intern. Symp. Control. Rel. Bioact. Mater., 1996, Tokyo, Japan
  106. ASM, San Juan, Puerto Rico, October 2-6 2001
  107. ICAAC, Toronto, September 17-20 2000
  108. 2nd Congress, Society of hair testing, Martigny, Swiss 1999
  109. International Congress of Toxicology, July 15-19, 2007, Montreal, Canada.
  110. 6th World Hellenic Biomedical Congress, Athens 12-14 October 2000
  111. 6th Biomedical International Research Congress, Athens 2000
  112. Chest, October 20-25, Atlanta, Georgia, USA, 2012
  113. European Respiratory Society, Annual Congress 2011, 24-28 September, Netherland.
  114. WONCA Europe Conference. July 4-7, Vienna, Austria, 2012
  115. ECO 2009 Pre-Congress Meeting, Health behaviour and status in European adolescents: The HELENA Project (Healthy Lifestyle in Europe by Nutrition In Adolescence), Amsterdam, The Netherlands, May 6th, 2009.
  116. XI World Congress of Perinatal Medicine. 19-22 of June 2013, Moscow, Russia
  117. XII International Congress of Toxicology (IUTOX 2010), Spain, Barcelona, 19-23 July, 2010.
  118. European Conference on Tobacco or Health, March 2014, Istanbul, Turkey.
  119. BIOTECH Congress, 20-22, February, 2017, Moscow, Russia.
  120. European respiratory Society, International Congress (ERS) 2017, Milan 9-13 September, Italy.
  121. 16th SoHT annual meeting, 2011, 21-26 March, Chamonix, Mont Blanc.
  122. 1<sup>st</sup> Romanian Congress of Toxicology, 17 October, 2015, Bucharest, Romania.
  123. 6<sup>th</sup> China Medical Biotech Forum, 25 March, 2013, Shenzhen, China.
  124. ATS, Orlando, 100th International Conference 2004.
  125. EUROTOX 2006 joined CTDX Congress of Toxicology, September, 2006, Cavtat, Croatia.
  126. ARVO's 2011 Annual Meeting, May 1-5, 2011, Fort Lauderdale, Florida.
  127. ARVO 2017 Annual Meeting, Baltimore, May 7-11, USA, 2017.
  128. Primavara Dermatologica seana 2017, 29 March - 2 April, 2017, Iasi, Romania.
  129. 2<sup>nd</sup> FORETOX 2016, 27 May, 2016, Ankara, Turkey.

**National (Greek) Meetings**

1. Petrakis D, Spanakis G, Tzatzarakis E, **Tsatsakis** A. Mechanism's effect and increased morbidity from long term exposure to low doses of pesticides. 42nd Annual Panhellenic Congress, 11-14 May, Athens, Divani Caravel Hotel, 2016.
2. Petrakis D, Spanakis G, Tzatzarakis M, **Tsatsakis** A. The wide use of pesticides and the health problems from exposure to organophosphorus substances and pyrethrins. 16th Panhellenic Entomological Congress, Aquila Atlantis Hotel, Heraklion, Crete, 20-23 October, 2015.
3. Koureas M, Tsakalof A, Tzatzarakis M, Vakonaki E, **Tsatsakis** A, Xatzichristodoulou Ch. Biomarkers of organophosphate pesticides in population groups of Thessaly and correlation with occupational practices. 3th Hellenic congress of public health and social medicine. Royal Olympic, Athens, 30 Nov-2 Dec, 2012, EA 17, page 22
4. Tutudakis M, Germanakis I, Mpriasoulis G, Tzatzarakis M, Alegkakis AK, Christaki-Hampas M, **Tsatsakis** AM. Setting of persistent supraventricular arrhythmia of an infant by measuring prothrombin plasma levels. 6th Panhellenic Congress of Toxicology and Forensic Science, Filoxenia hotel, Kalamata, 4-6 December 2009 P13.
5. Tzatzarakis M, Vardavas C, Terzi I, Kavvalakis M, Tutudaki M, Giannakoudakis C, **Tsatsakis** AM. Evaluation of infant's exposure to passive smoking. 6th Panhellenic Congress of Toxicology and Forensic Science, Filoxenia hotel, Kalamata, 4-6 December 2009.
6. Tzatzarakis M, Koutroulakis D, Sifakis S, Kavvalakis M, Tutudaki M, Matalliotakis I, **Tsatsakis** A. Monitoring of exposure of pregnant women and fetuses to organophosphate pesticides in the region of Crete. 6th Panhellenic Congress of Toxicology and Forensic Science, Filoxenia hotel, Kalamata, 4-6 December 2009.
7. Vardavas K, Tzatzarakis E, Plada M, **Tsatsakis** A, Papadaki A, Saris WH, Moreno L, Kafatos A. Cotinine as biomarker for the evaluation and assessment of smoking habits of Greek adolescents. 6th Panhellenic Congress of Toxicology and Forensic Science, Filoxenia hotel, Kalamata, 4-6 December 2009 P10.
8. Koutroulakis D, Tzatzarakis M, Sifakis S, Koukoura A, Siggelaki A, kavalakis M, Giannakoudakis K, Matalliotakis I, **Tsatsakis** A. Levels of non specific metabolites of organophosphate metabolites in amniotic fluid of pregnant women in region of Crete. 11th Panhellenic Congress of Obstetrics and Gynecology. Hilton, Athens, May 28-31 2009.
9. Saroglou M, Trifon S, Papalois A, Liapakis I, Tzatzarakis M, **Tsatsakis** A, Bouros D. Concentration levels of ertapenem in an experimental model. 16th Panhellenic Congress on Lung Disease, Athens, December 2007.
10. Tutudaki M, Tzatzarakis M, Margariti M, **Tsatsakis** A. Detection of organophosphate pesticides in poisoned eagle. 5th Panhellenic Congress of Toxicology and Forensic Science, kastoria, September 28-29 2007.
11. Tzatzarakis M, Tutudaki M. Biomarkers of exposure in environmental pollutants. 5th Panhellenic Congress of Toxicology and Forensic Science, kastoria, September 28-29 2007.
12. Tzatzarakis M, Tutudaki M, Kafatos A, **Tsatsakis** A. Evaluation of exposure to pesticides and environmental pollutants in different population groups of Crete. 5th Panhellenic Congress of Toxicology and Forensic Science, kastoria, September 28-29 2007.
13. Tzatzarakis M, Petrikou E, Xagorari A, Charvalos A, **Tsatsakis** A, Tzimogianni A, Galanopoulou P, Liapi Ch, Petrikos G, (2006). Polymeric complexes of nystatin. Control of cytotoxicity and in-vitro biological activity in pathogenic strains of *Candida* spp. 2nd Congress of EPEAEK, ARCIMEDES, Athens, November 22-24.
14. Vardavas K, Tzatzarakis M, **Tsatsakis** A, Athanasopoulos D, Balomenaki E, Linardakis M, Kafatos A (2006). Parents smoking status: Psychological and biological addiction in preschool age children. 18th Panhellenic Congress of Greek Society of Pediatrics and Health Promotion, "Child, Health and Culture", 28 Sept –1 October, Crete, Heraklion, Greece
15. Vardavas K, Tzatzarakis M, **Tsatsakis** A, Athanasopoulos D, Balomenaki E, Linardakis M, Kafatos A (2006). Biomarkers of passive smoking in preschool age children. 44th Panhellenic Paediatric Congress, Rhodes, Rodos Palace, June 9-11.
16. Aggurakis Z, Tzatzarakis M, Mitakou S, Kafatos A, **Tsatsakis** A, (2005). Levels of

- polyphenols in olive oil from biological and conversional cultivations in the region of Crete. 4th Panhellenic Congress of Toxicology and Forensic Science, Athens, September 23-25
17. Tsakiris IN, Danis Th, **Tsatsakis** AM, Alegakis Th, Tzatzarakis MN. Integrated Crop Management: A new way to address the problem of pesticide residues in agricultural products, 4th Panhellenic congress of Toxicology and Forensic Science, Athens, September 23-25
  18. Aggurakis Z, Tzatzarakis M, Tutudaki M, Mitakou S, Kafatos A, **Tsatsakis** A (2005). Blood Levels of LDL oxidation markers. 4th Panhellenic Congress of Toxicology and Forensic Science, Athens, September 23-25
  19. Tutudaki M, Leukidou I, Palilis L, Nzeim T, Tzatzarakis M, Dolapsakis G, **Tsatsakis** A (2005). DDT and Lindane levels in head hair of Cretan and Lebanese population. 4th Panhellenic Congress of Toxicology and Forensic Science, Athens, September 23-25
  20. Petrikou E, Tzatzarakis M, Tzimogianni A, Karagiorgou A, Charvalos A, **Tsatsakis** A, Petrikos G, (2005). Water soluble complexes of nystatin: Antifungal activity against *Candida* spp and cell toxicity. 4th Panhellenic Congress of Toxicology and Forensic Science, Athens, September 23-25
  21. Petrikou E, Tzimogiannii A, Karagiorgou A, Tzatzarakis M, Charvalos A, **Tsatsakis** A, Petrikos G. (2005). Water soluble complexes of nystatin: Antifungal activity against *Candida* spp and cell toxicity. 1st Panhellenic Congress of Medical Mycology, May 27-29, Athens.
  22. Tzatzarakis MN, Belivanis S, Michalodimitrakis MN, **Tsatsakis** AM, (2002). Amitriptyline and nortriptyline distribution in biological samples in fatal case with overdose and findings of lesions in the respiratory airways. 3rd Panhellenic Congress of Toxicology and Forensic Science. Candia Maris Hotel, Heraklion, Crete, 6 – 10 November
  23. Tzatzarakis MN, Agurakis ZB, Tsakiris IN, Tutudaki M, Giannakoudakis K, **Tsatsakis** AM, (2002). Fenthion and dimethoate residue levels in olive oil samples from biological and conventional cultivations in Crete. 3rd Panhellenic Congress of Toxicology and Forensic Science. Candia Maris Hotel, Heraklion, Crete, 6 – 10 November, pp. 27.
  24. Psaroudakis KI, **Tsatsakis** AM, Papadomanilakis A, Tzatzarakis MN, Michalodimitrakis M, (2002). Evaluation of the skin wounds age using histochemical methods in animal. 3rd Panhellenic Congress of Toxicology and Forensic Science. Candia Maris Hotel, Heraklion, Crete, 6 – 10 November, pp. 41.
  25. Charvalos E, **Tsatsakis** A, Tzatzarakis M, Kanta A, Georgopoulos I, Petrikos G. (2000). Antifungal activities of novel controlled release water-soluble polymeric forms of sorbic acid. 6th World Hellenic Biomedical Congress, Athens 12-14 October.
  26. Charvalos E, **Tsatsakis** A, Tzatzarakis M, Petrikos G, Kanta A, Georgopoulos I. (2000). Antifungal activities of novel amphotericin-B polyvinylpyrrolidone complexes. 6th World Hellenic Biomedical Congress, Athens 12-14 October
  27. Tzatzarakis MN, **Tsatsakis** AM, Bakalounakis D, (2000). Investigation of the biological activity of substances belonging to the group of azoles and polyenes against of *Fusarium oxysporum*. 2nd Panhellenic Congress of Toxicology and Forensic Science. Piraeus 24-26 November.
  28. **Tsatsakis** AM, Tzatzarakis MN, Psaroulis D, Leukidis Ch. (2000). Evaluation of the addiction history of a dead woman after exhumation and sectional hair testing. 2nd Panhellenic Congress of Toxicology and Forensic Science. Piraeus, 24-26 November.
  29. Tzatzarakis MN, **Tsatsakis** AM, Charvalos A, Bakalounakis D (2000). In vitro comparison of the biological activities new polymeric complexes of nystatin with to that of micromolecular nystatin. 2nd Panhellenic Congress of Toxicology and Forensic Science. Piraeus, 24-26 November
  30. Tzatzarakis MN, **Tsatsakis** AM, Charvalos A, Sthilman M (2000). New water-soluble complexes of sorbic acid, nystatin and amphotericin B. 2nd Panhellenic Congress of Toxicology and Forensic Science. Piraeus, 24-26 November
  31. Psaroudakis KI, Tzatzarakis MN, **Tsatsakis** AM, Michalodimitrakis M, (2000). Evaluation of the skin wounds age using histochemical methods in animal. 2nd Panhellenic Congress of Toxicology and Forensic Science. Piraeus, 24-26 November.

32. Psaroudakis KI, Tzatzarakis MN, **Tsatsakis** AM, Michalodimitrakis M, (2000). The application of histochemical methods to the age evaluation of skin wounds– Experimental study in rabbits. 10th Pancretan Medical Congress, 9-12 November 2000, Medical Society of Rethimno, Rethimnon
33. Tzatzarakis MN, **Tsatsakis** AM, Charvalos A, Samonis G, Bakalounakis D, Michalodimitrakis M, (2000). New slow release polymeric mycostatic and antifungal agents: In vitro activity study against Fusarium, Candida, Aspergillus and Penicillium. 10th Pancretan Medical Congress, 9-12 November 2000, Medical Society of Rethimno, Rethimnon.
34. Tzatzarakis MN, **Tsatsakis** AM, Charvalos E, (2000). Antifungal action of new polymeric complexes of sorbic acid, nystatin and amphotericine. In: Proceed 5th World Congress on Advance in Oncology and 3rd International Symposium on Molecular Medicine, Crete, Greece, October 19-21, S69.
35. **Tsatsakis** MA, Tzatzarakis M, Charvalos E, (2000). Antifungal activities of novel amphotericin B–polyvinylpyrrolidone complexes. 6th Biomedical International Research Congress, Athens.
36. Tzatzarakis MN, **Tsatsakis**AM, Bakalounakis D, Liakou B, Stilman MI, (1998). New polymeric complexes of sorbic acid with mycostatic activity. 1st Panhellenic Congress of Toxicology and Forensic Science, Thessaloniki, p. 114-119.
37. Tutudaki M, Tzatzarakis MN, **Tsatsakis** AM, DolapsakisG, Neonaki G, Mixalodimitrakis M, (1998). Section hair analysis for pesticides: Determination of diazinon in rabbit hair. 1st Panhellenic Congress of Toxicology and Forensic Science, Thessaloniki, p.150-153.
38. Tzatzarakis MN, Agourakis Z, Xatzidakis G, Dolacakis G, **Tsatsakis** AM, (1998). Residue levels of pesticides in biological oil. 1st Panhellenic Congress of Toxicology and Forensic Science, Thessaloniki, p. 189-193.
39. **Tsatsakis** AM, Dolpsakis G, Tzatzarakis MN, Askoxylakis I, Michalodimitrakis E, (1997). Drug deaths in Crete: Toxicological data and experience of the last 10 years. 9th Panhellenic Congress «Youth people and Drugs» Medical School, University of Crete, Heraklion, Crete.

#### International Meetings

1. M.Shtilman, A.N.Kuskov, P.P.Kulikov, A.L. Luss, A.V.Goryachaya, V.T.Jedzheya, S.A.Gusev, P.Henrich-Noack, L.Gurevich, V.P.Torchilin, **A.M.Tsatsakis**. New nanosized macro-molecular system and their interaction with biopolymers and living objects. 55th Congress of the European Societies of Toxicology – Science Providing Solutions(EUROTOX), 8-11 September 2019, Helsinki, Finland.
2. M.Goumenou, **A.Tsatsakis**, M.Amjad Nawaz, K.S.Golokhvast, G.Chung. Is the success of genetically modified food and feed at nature’s cost: highlighting the potential risks of GMOs. 55th Congress of the European Societies of Toxicology – Science Providing Solutions(EUROTOX), 8-11 September 2019, Helsinki, Finland.
3. V. Karzi, I. Katsikantami, M. Tzatzarakis, E. Vakonaki, E. Iatrou, A. Stavroulaki, P. Xezonaki, S. Sifakis, A. Rizos, **A. Tsatsakis**. Prenatal exposure to parabens and triclosan and assessment of possible health impacts. 55th Congress of the European Societies of Toxicology – Science Providing Solutions(EUROTOX), 8-11 September 2019, Helsinki, Finland.
4. M. Kokkinakis, I. Tsakiris, M. N. Tzatzarakis, A. Alegkakis, E. K. Vakonaki, A. Kokkinaki, **A. M. Tsatsakis**. Risk assessment of traditional alcoholic beverages. 55th Congress of the European Societies of Toxicology – Science Providing Solutions(EUROTOX), 8-11 September 2019, Helsinki, Finland.
5. I. Katsikantami, V. Karzi, M. Tzatzarakis, S. Sifakis, P. Xezonaki, A. Rizos, **A. Tsatsakis**. Biomonitoring of phthalate metabolites in urine from pregnant women in Crete, Greece. 55th Congress of the European Societies of Toxicology – Science Providing Solutions(EUROTOX), 8-11 September 2019, Helsinki, Finland.
6. E. K. Vakonaki, M. N. Tzatzarakis, P. Fragkiadaki, D. Nathena, V. Karzi, K. Kanaki, E. M. A. Renieri, E. Iatrou, M. E. Flamourakis, A. Alegkakis, **A. M. Tsatsakis**. Severity use of drugs of abuse and cell aging. 55th Congress of the European Societies of Toxicology – Science Providing Solutions(EUROTOX), 8-11 September 2019, Helsinki, Finland.

7. V. Karzi, P. Stivaktakis, M. Tzatzarakis, E. Vakonaki, C. Chalkiadaki, A. Kalliantasi, P. Apalaki, M. Panagiotopoulou, I. Tsatsakis, I. Fragkiadoulaki, **A. Tsatsakis**. In vivo evaluation of glyphosate genotoxicity. 55th Congress of the European Societies of Toxicology – Science Providing Solutions(EUROTOX), 8-11 September 2019, Helsinki, Finland.
8. C. Vardavas, M. N. Tzatzarakis, C. N. Kyriakos, A. Vardavas, C. Girvalaki, I. Lagou, E. I. Iatrou, P. D. Stivaktakis, **A. M. Tsatsakis**. The role of chemical analysis in supporting the European Union’s ban on characterising flavors in tobacco products. 55th Congress of the European Societies of Toxicology – Science Providing Solutions(EUROTOX), 8-11 September 2019, Helsinki, Finland.
9. M. Goumenou, E. M. A. Renieri, V. Rakitskii, D. Sarigiannis, **A. Tsatsakis**. Two new approaches for the risk characterisation of chemicals: The Source Related Hazard Quotient and Hazard Index (HQs, HIs) and the Adversity Specific Hazard Index for mixtures (HIA). 55th Congress of the European Societies of Toxicology – Science Providing Solutions(EUROTOX), 8-11 September 2019, Helsinki, Finland.
10. Tsatsakis I, Fragkiadaki P, Alegakis A, Vakonaki E, Tzatzarakis M, Karzi V, Renieri E, Sarandi E, Tsoukalas D, **Tsatsakis A**. Advanced routines in the estimation of telomere length using BIOTEL. 10th International Congress “Biomaterials and Nano-biomaterials: Recent Advances Safety – Toxicology and Ecology Issues” (BIONANOTOX), 5-12 May 2019, Heraklion, Greece.
11. Karzi V, Tzatzarakis M, Vakonaki E, Stivaktakis P, Kalliantasi A, Apalaki P, Chalkiadaki C, Panagiotopoulou M, Fragkiadoulaki I, **Tsatsakis A**. Real life risk simulation of exposure to endocrine disruptors. 10th International Congress “Biomaterials and Nano-biomaterials: Recent Advances Safety – Toxicology and Ecology Issues” (BIONANOTOX), 5-12 May 2019, Heraklion, Greece.
12. Saliadj N, Tzatzarakis M, Karzi V, Vakonaki E, Giannakoudakis K, Rizos AK, **Tsatsakis A**. Quality assessment of omega-3 dietary supplements in the greek market. 10th International Congress “Biomaterials and Nano-biomaterials: Recent Advances Safety – Toxicology and Ecology Issues” (BIONANOTOX), 5-12 May 2019, Heraklion, Greece.
13. Karzi V, Daskalaki M, Tzatzarakis M, Iatrou E, Vakonaki E, Papachristou S, Iliaki E, Rizos AK, **Tsatsakis A**. (2019) Immunodiagnostic determination of glyphosate in wine and water samples. 10th International Congress “Biomaterials and Nano-biomaterials: Recent Advances Safety – Toxicology and Ecology Issues” (BIONANOTOX), 5-12 May 2019, Heraklion, Greece.
14. Vakonaki E.K, Vaki G.A, Tsiminikaki K, Alegkakis A, Kalliantasi K, Fragkiadaki P, Flamourakis M, Tsoukalas D, Fragkiadoulaki I, Tzatzarakis M.N, **Tsatsakis A.M**. (2018) Phenolic endocrine disruptors’ concentration levels in hair of Greek pregnant women. 54<sup>rd</sup> Congress of the European Societies of Toxicology (EUROTOX), 10-13 September 2018, Brussels, Belgium.
15. Iatrou E, Tzatzarakis M.N, Vakonaki E.K, Papachristou S, Renieri E, Golohkvast K, Seryodkin I, Tsygankov V, Valerii R, **Tsatsakis A.M**. (2018) Determination of environmental persistent organic pollutants (POPs) in hair samples from wild terrestrial mammals. 54<sup>rd</sup> Congress of the European Societies of Toxicology (EUROTOX), 10-13 September 2018, Brussels, Belgium.
16. **Tsatsakis A.M**, Fragkiadoulaki I, Kalogeraki A, Tsiaoussis I, Karkala F, Kalliantasi K, Stivaktakis P, Fragkiadaki P, Psycharakis C, Mamoulakis C. (2018) Natural antioxidants prevent contrast – induced nephropathy in an animal model: Results from a cytological study. 54<sup>rd</sup> Congress of the European Societies of Toxicology (EUROTOX), 10-13 September 2018, Brussels, Belgium.
17. Fragkiadoulaki I, Mamoulakis C, Alegakis A, Tzatzarakis M.N, Karzi V, Stratidakis A, Renieri E, Vardavas A, Leon G, Tsitsimpikou C, **Tsatsakis A.M**. (2018) Natural antioxidants prevent contrast – induced nephropathy by enhancing nitric oxide synthesis in an animal model. 54<sup>rd</sup> Congress of the European Societies of Toxicology (EUROTOX), 10-13 September 2018, Brussels, Belgium.
18. Katsikantami I, Karzi V, Tzatzarakis M.N, Sifakis S, Xezonaki P, Vakonaki E.K, Rizos A, Izotov B, Burykia T, **Tsatsakis A.M**. (2018) Biomonitoring of phthalate metabolites and bisphenols in amniotic fluid from pregnant women in Greece. 54<sup>rd</sup> Congress of the European Societies of Toxicology (EUROTOX), 10-13 September 2018, Brussels,

- Belgium.
19. Docea A.O, Calina D, Gofita E, Arsene A.L, Zlatian O, Crenguita Nicolae A, Dragoi C.M, Nosyrev A, Izotov B, Buga A.M, **Tsatsakis A.M.** (2018) Behavioral effects changes in rats exposed to real – life chemical mixture at doses around toxicological reference values. 54<sup>rd</sup> Congress of the European Societies of Toxicology (EUROTOX), 10-13 September 2018, Brussels, Belgium.
  20. Zisis R, Fragkiadoulaki I, Alegakis A, Karkala F, Vakonaki E.K, Apalaki E, Vaki G.A, Kovatsi L, **Tsatsakis A.M**, Mamoulakis C. (2018) Natural antioxidants prevent contrast – induced nephropathy in an animal model: Results from a biochemical study. 54<sup>rd</sup> Congress of the European Societies of Toxicology (EUROTOX), 10-13 September 2018, Brussels, Belgium.
  21. Karzi V, Katsikantami I, Tzatzarakis M.N, Vakonaki E.K, Xezonaki P, Stratidakis A, Iliaki E, Sifakis S, Rizos A, **Tsatsakis A.M.** (2018) Monitoring of triclosan and parabens in amniotic fluid. 54<sup>rd</sup> Congress of the European Societies of Toxicology (EUROTOX), 10-13 September 2018, Brussels, Belgium.
  22. Tzatzarakis M.N, Girvalaki C, Vardavas A, Stivaktakis P, Nosyrev A, Leon G, **Tsatsakis A.M**, Vardavas C. (2018) Evaluation of e-cigarette liquids on labeling, packaging and technical features prior the adoption of the Tobacco Products Directive (TPD) in multiple European countries. 54<sup>rd</sup> Congress of the European Societies of Toxicology (EUROTOX), 10-13 September 2018, Brussels, Belgium.
  23. Liesivuori J, **Tsatsakis A.M.** (2018) Introduction to Social Toxicology. 54<sup>rd</sup> Congress of the European Societies of Toxicology (EUROTOX), 10-13 September 2018, Brussels, Belgium.
  24. Katsikantami I, Karzi V, Tzatzarakis M, Vakonaki E, Stavroulaki A, Xezonaki P, Sifakis S, **Tsatsakis AM**, Rizos A. (2017) Phenolic endocrine disruptors' concentration levels in hair of Greek pregnant women. 53<sup>rd</sup> Congress of the European Societies of Toxicology (EUROTOX 2017), 10-13 September, Bratislava, Slovak.
  25. Fragiadoulaki I, Stivaktakis P, Kalogeraki A, Tsiaousis I, Kalliantasi A, Stratidakis A, Karzi V, Mamoulakis C., **Tsatsakis A.** (2017) Micronuclei frequency and blood cell number in a rabbit contrast-induced nephrotoxicity model with antioxidants as a preventive strategy. 53<sup>rd</sup> Congress of the European Societies of Toxicology (EUROTOX 2017), 10-13 September, Bratislava, Slovak.
  26. Fragiadoulaki I, Tsitsimpikou C, Vakonaki E, Alegakis A, Kaloudis K, Kanaki K, Nathena D, Stivaktakis P, Tzatzarakis M, Mamoulakis C, **Tsatsakis A.** (2017) Contrast – induced nephropathy in animal model. 53<sup>rd</sup> Congress of the European Societies of Toxicology (EUROTOX 2017), 10-13 September, Bratislava, Slovak.
  27. Kalliantasi A, Apalaki P, Nikolouzakis T, Fragiadoulaki I, Stivaktakis P, Karkala F, Vaki G, Tsiaoussis J, **Tsatsakis A.** (2017) The frequency of micronuclei, subsequent to administration of chemotherapeutic medicines in colon and rectal cancer. 53<sup>rd</sup> Congress of the European Societies of Toxicology (EUROTOX 2017), 10-13 September, Bratislava, Slovak.
  28. Tzatzarakis M, Katsikantami I, Vakonaki E, Karzi V, Kavvalakis M, Chatzinikolaou A, Tsakiris I, **Tsatsakis A**, Rizos A. (2017) Monitoring of pesticide residues in apples from the Greek market. 53<sup>rd</sup> Congress of the European Societies of Toxicology (EUROTOX 2017), 10-13 September, Bratislava, Slovak.
  29. Kalogeraki A, Stivaktakis P, Docea AO, Calina D, Gofita E, Arsene AL, Nikitovic D, Tzardi M, **Tsatsakis AM.** (2017) Evaluation of long term low dose exposure to mixtures on the lymphocytes of the peripheral blood of rats. 53<sup>rd</sup> Congress of the European Societies of Toxicology (EUROTOX 2017), 10-13 September, Bratislava, Slovak.
  30. Vardavas AI, Tzatzarakis MN, Stivaktakis PD, Fragiadaki P, Alegakis AK, Tsitsimpikou C, Carvalho F, **Tsatsakis AM.** (2017) Aldehyde oxidase metabolism route inhibition via sodium tungstate in imidacloprid exposed rabbits. 53<sup>rd</sup> Congress of the European Societies of Toxicology (EUROTOX 2017), 10-13 September, Bratislava, Slovak.
  31. Rakitskii VN, Fedorova NE, Bondareva LG, Bayusheva VV, **Tsatsakis A**, Tsakalof A. (2017) The determination 2,4-D in some food products (milk, egg, liver, kidneys) by the method of triple quadrupole UHPLC-MS/MS with used QUECHERS for sample preparation. 8<sup>th</sup> International Conference “Biomaterials and Nanomaterials: Recent Advances Safety-Toxicology and Ecology Issues” (BIONANOTOX 2017), Heraklion,

- Crete, Greece, 7-14 May.
32. Vardavas C, Tzatzarakis M, Vardavas A, Girvalaki C, Stivaktakis P, Nikolouzakis T, **Tsatsakis** A. Evaluation of respiratory irritants among the most popular ecigarette refill liquids across 9 European countries. European respiratory Society, International Congress (ERS) 2017, Milan 9-13 September, Italy.
  33. Tsilimbaris M, Blazaki S, Stratidakis A, Naoumidi E, Tsatsanis C, Tzatzarakis M, **Tsatsakis** AM. Pharmacokinetics of intravitreal indomethacin. ARVO 2017 Annual Meeting, Baltimore, May 7-11, USA, 2017.
  34. Tsoukalas D, Vakonaki E, Fragkiadaki P, Alegkakis A, Plaitis S, Tsiminikaki K, Vaki G, Fragkiadoulaki E, Tzatzarakis M, **Tsatsakis** A. Telomeres length as ageing biomarker in glyphosate users. BIOTECH Congress, Moscow, 20-22 February, 2017.
  35. Fragkiadaki P, Tsoukalas D, Alegkakis A, Vlata C, Fragkiadoulaki E, Christakis M, **Tsatsakis** AM. The effect of TA-65 on telomerase activation and on apoptosis in human fibroblast cells. 52<sup>nd</sup> Congress of the European Societies of Toxicology (EUROTOX 2016), Seville, Spain, 4 September, 2016.
  36. Katsikantami I, Tzatzarakis MN, Vakonaki E, **Tsatsakis** AM. Advances of biomonitoring in environmental and lifestyle pollutants. International Workshop "Biotechnology of new materials and the environment. International conference including school of young scientists, 10-14 October, 2016, Kpachorpck, Russia.
  37. Katsikantami I, Tzatzarakis MN, Sifakis S, Vakonaki E, Kalantzi OI, **Tsatsakis** AM, Rizos AK. An overview of the worldwide annual trend of children's exposure to phthalates. International conference «Hygiene, toxicology, professional pathology: traditions and modernity», dedicated to 125 anniversary of the Federal Scientific Centre of Hygiene named after F.F.Erisman., November 9-10, 2016, Moscow.
  38. Tzatzarakis MN, Vakonaki E, Karzi V, Katsikantami I, Kavvalakis M, Rizos AK, **Tsatsakis** AM. Levels of Bisphenol A and Triclosan in head hair samples of Greek adults and children. International conference «Hygiene, toxicology, professional pathology: traditions and modernity», dedicated to 125 anniversary of the Federal Scientific Centre of Hygiene named after F.F.Erisman., November 9-10, 2016, Moscow.
  39. Tsoukalas D, Alegkakis AK, Vakonaki E, Fragkiadaki P, Tsiminikaki K, Plaitis S, Flamourakis M, Theodorakis N, Tzatzarakis M, **Tsatsakis** AM. Development of a semi-automated worksheet for predicting biological age and telomere length statistics for the Greek population. International conference «Hygiene, toxicology, professional pathology: traditions and modernity», dedicated to 125 anniversary of the Federal Scientific Centre of Hygiene named after F.F.Erisman., November 9-10, 2016, Moscow.
  40. Olaru O, Nitulescu GM, Margina D, Spies L, Koekemoer T, van de Venter M, Tzatzarakis M, **Tsatsakis** A. Antitumor and toxicological research on some ranunculoides containing plants. 52<sup>nd</sup> European Congress of the European Societies of Toxicology, 4-7 Sept, 2016, Seville, Spain.
  41. Vardavas AI, Ozcagli E, Fragkiadaki P, Stivaktakis PD, Tzatzarakis MN, Kaloudis K, Tsardi M, Datseri G, Tsiaoussis J, Tsitsimpikou C, Carvalho F, **Tsatsakis** AM. DNA damage after long-term exposure of rabbits to Imidacloprid and Sodium Tungstate. 52<sup>nd</sup> European Congress of the European Societies of Toxicology, 4-7 Sept, 2016, Seville, Spain.
  42. Tzatzarakis MN, Karzi V, Vakonaki E, Katsikantami I, Kiriakakis M, Tsakiris I, Kavvalakis M, Rizos AK, **Tsatsakis** AM. Endocrine disruptor compound's levels in hair of Greek children. 52<sup>nd</sup> European Congress of the European Societies of Toxicology, 4-7 Sept, 2016, Seville, Spain.
  43. Vakonaki E, Fragkiadaki P, Tsoukalas D, Salataj E, Alegkakis A, Kouvidi E, Tzatzarakis M, Spilianakis CG, **Tsatsakis** AM. The luck of telomeres with or without the use of vitamin supplements. 52<sup>nd</sup> European Congress of the European Societies of Toxicology, 4-7 Sept, 2016, Seville, Spain.
  44. Barbounis EG, Goulousi D, Tzatzarakis MN, Vakonaki E, **Tsatsakis** AM, Rizos AK. Atherogenic trans-fatty acids content in selected dietary fats in the Greek market. 31<sup>st</sup> international symposium on chromatography, University College Cork, Cork, Ireland, 28<sup>th</sup> August-1<sup>st</sup> Sept, 2016.
  45. Androutsopoulos V, Vakonaki E, Fragkiadaki P, Alegkakis A, Stivaktakis P,

- Papachristou S, Flamourakis M, Tzatzarakis M, **Tsatsakis** A. Driving under the influence of alcohol and illicit drugs in Cretan roads. 9th Congress of the Turkish Society of Toxicology with the participation of the Hellenic Society of Toxicology, October 21-24, 2015, CesmeAltinYunus hotel, Izmir, Turkey.
46. Tzatzarakis M, Vakonaki E, Stivaktakis P, Fragkiadaki P, Androtsopoulos V, **Tsatsakis**A. Correlation of alcohol levels between blood and vitreous humour in postmortem cases. 9th Congress of the Turkish Society of Toxicology with the participation of the Hellenic Society of Toxicology, October 21-24, 2015, CesmeAltinYunus hotel, Izmir, Turkey.
  47. Vakonaki E, Fragkiadaki P, Tsoukalas D, Kouvidi E, Tzatzarakis M, Alegkakis A, Vynias D, **Tsatsakis** AM. Telomere analysis of metaphase spreads by Q-FISH in individuals of different age groups. 9th Congress of the Turkish Society of Toxicology with the participation of the Hellenic Society of Toxicology, October 21-24, 2015, CesmeAltinYunus hotel, Izmir, Turkey.
  48. Stivaktakis PD, Vardavas AI, Tzatzarakis MN, Fragkiadaki P, Ozcagli E, Vasilaki F, Tsamoukas AK, Psycharakis S, **Tsatsakis** AM. Genotoxicity evaluation of long term rabbit exposure to Cypermethrin and Piperonyl Butoxide by Cytokinesis Block Micronucleus Assay (CBMN). 51st Congress of the European, Societies of Toxicology (EUROTOX2015), 13-16 September 2015, Porto, Portugal.
  49. Barmpas M, Tzatzarakis MN, Vakonaki E, Kypraiou A, Barbounis E, Kavvalakis M, Sifakis S, Daskalakis G, **Tsatsakis** AM. Determination of PCBs, DDTs and HCB in hair, amniotic fluid and serum of pregnant women by headspace solid phase microextraction and gas chromatography-mass spectrometry (HSPME/GC-MS). 51st Congress of the European, Societies of Toxicology (EUROTOX2015), 13-16 September 2015, Porto, Portugal.
  50. Kavvalakis PM, Tzatzarakis MN, Stivaktakis DP, Alegakis KA, Christakis-Hampsas M, Kokkinakis M, Wallace H, **Tsatsakis** MA. Biomonitoring of pyrethroid exposure among rural and urban populations in Crete, Greece using hair analysis. 51st Congress of the European, Societies of Toxicology (EUROTOX2015), 13-16 September 2015, Porto, Portugal.
  51. Özçağlı E, Kara M, Kotil T, Tzatzarakis M, **Tsatsakis** A, Alpertunga B. Effects of stanozolol on apoptosis mechanisms. 51st Congress of the European, Societies of Toxicology (EUROTOX2015), 13-16 September 2015, Porto, Portugal.
  52. Tzatzarakis MN, Vakonaki E, Kampouropoulou C, Stivaktakis P, Papachristou S, Vynias D, Tsakiris I, Rizos AK, **Tsatsakis** AM. Determination of diacetyl in butters and margarines by gas chromatography-mass spectrometry. 51st Congress of the European, Societies of Toxicology (EUROTOX2015), 13-16 September 2015, Porto, Portugal.
  53. Tsakiris IN, Tzatzarakis MN, Alegakis AK, Mitlianga P, Vakonaki E, Elisavet R, Liesivuori J, **Tsatsakis** AM. Monitoring of Ochratoxin A residues in Greek bottled wine. 51st Congress of the European, Societies of Toxicology (EUROTOX2015), 13-16 September 2015, Porto, Portugal.
  54. Tzatzarakis MN, Karzi V, Vakonaki E, Barbounis E, Tsitsimpikou C, Vardavas AI, Tsakiris I, Rizos AK, **Tsatsakis** AM. Bisphenol A in beverages and canned foods of the Greek market. 51st Congress of the European, Societies of Toxicology (EUROTOX 2015), 13-16 September 2015, Porto, Portugal.
  55. Razaee R, **Tsatsakis** A, Tzatzarakis M, Rafatpanah H, Mahmoudi M, Riahi B, Karimi G. Immunomodulatory effects of the aqueous extract of *Crocus sativus* stigmas in BALB/c mice. 51st Congress of the European, Societies of Toxicology (EUROTOX2015), 13-16 September 2015, Porto, Portugal.
  56. Vynias D, **Tsatsakis** A, Tzatzarakis M. The role of digital and social media on pharmacovigilance and their effect on personalised healthcare. 51st Congress of the European, Societies of Toxicology (EUROTOX2015), 13-16 September 2015, Porto, Portugal.
  57. Vakonaki E, Tzatzarakis MN, Moti S, Vynias D, Flamourakis M, Kavvalakis M, Tsitsimpikou C, Tsakiris IN, Rizos A, **Tsatsakis** AM. Determination of 4-methylimidazole in soft drinks, beers, vinegar and sauces of Greek market using liquid chromatography-mass spectrometry. 51st Congress of the European, Societies of Toxicology (EUROTOX2015), 13-16 September 2015, Porto, Portugal.

58. Stivaktakis PD, Vardavas AI, Tzatzarakis MN, Fragkiadaki P, Ozcagli E, Vasilaki F, Tsamoukas AK, Psycharakis S, **Tsatsakis** AM. Genotoxicity evaluation of long term rabbits exposure to Cypermethrin and Piperonyl Butoxide by Cytokinesis Block Micronucleus Assay (CBMN). 51st Congress of the European, Societies of Toxicology (EUROTOX2015), 13-16 September 2015, Porto, Portugal.
59. Tzatzarakis M, Tsakalof A, Vasilaki F, Iatrou E, Vakonaki E, **Tsatsakis** AM. Accumulation of anabolic steroids in rabbit hair: Results from in vivo model studies. 6th Russian –Hellenic Symposium (BIONANOTOX 2015). “Biomaterials and nanobiomaterials: recent Advances safety-Toxicology and ecology issues”. 3-10 May, 2015, Heraklion, Crete, Greece.
60. Juranek I., Nikitovic D., Kouretas D., Hayes AW., **Tsatsakis** AM. To understanding toxicity of exogenous antioxidants used to combat free-radical diseases. 5<sup>th</sup> Russian-Hellenic Symposium. Biomaterials and Bionanomaterials: Recent Problems and Safety Issues. (BIONANOTOX 2014) Heraklio, Agapi Beach, May 4-11, 2014, Crete, Greece.
61. Nikitovitch D., Berdiaki A., Galbiati V., Papale A., Kavasi RM, **Tsatsakis** A, Tzanakakis GN., Corsini E. IL-18 response in keratinocytes sensitized by DNCP and PPD is regulated by hyaluronan Deposition. 5<sup>th</sup> Russian-Hellenic Symposium. Biomaterials and Bionanomaterials: Recent Problems and Safety Issues. (BIONANOTOX 2014) Heraklio, Agapi Beach, May 4-11, 2014, Crete, Greece.
62. Tzatzarakis MN, Vakonaki E, Kavvalakis MP, Stivaktakis PD, Ioannis H, Barbounis E, Vardavas A, BarmpasM, **Tsatsakis** AM. Development and validation of an LC-APCI-MS method for the determination of bisphenol A in hair samples of Greek population. 50th Congress of The European Societies of Toxicology (EUROTOX 2014), 7-10 September, 2014, Edinburgh, United Kingdom.
63. Tsakiris IN, Tzatzarakis MN, Alegkakis AK, Mitlianga P, Kavvalakis M, Vakonaki E, Goumenou M, Stivaktakis P, **Tsatsakis** AM. Monitoring of pesticides residues in Greek bottled wine. 50th Congress of The European Societies of Toxicology (EUROTOX 2014), 7-10 September, 2014, Edinburgh, United Kingdom.
64. Stivaktakis PD, Kavvalakis MP, Goutzourelas N, Stagos D, Tzatzarakis MN, Kyriakakis M, Kouretas D, Hayes W, **Tsatsakis** AM. Evaluation of oxidative stress in long-term exposed rabbits to subtoxic levels of imidacloprid. 50th Congress of The European Societies of Toxicology (EUROTOX 2014), 7-10 September, 2014, Edinburgh, United Kingdom.
65. Kokkinaki A, Kokkinakis M, KavvalakisMP, Tzatzarakis MN, Maravgakis G, Renieri E, Fragkiadakakis GA, Babatsikou F, **Tsatsakis** AM. Hair and urine testing to assess organophosphorus pesticides burden in sprayers and rural residents during a spraying period; Application in residents of Greece. 50th Congress of The European Societies of Toxicology (EUROTOX 2014), 7-10 September, 2014, Edinburgh, United Kingdom.
66. Kavvalakis MP, Tzatzarakis MN, Stivaktakis PD, Bariotaki A, Tsakalof AK, Vardavas A, Babatsikou F, Vynias D, **Tsatsakis** AM. Imidacloprid and 6-chloronicotinic acid determination in blood serum of long-term exposed rabbits using LC-APCI-MS technique. 50th Congress of The European Societies of Toxicology (EUROTOX 2014), 7-10 September, 2014, Edinburgh, United Kingdom.
67. Vakonaki E, Tzatzarakis MN, Androutsopoulos V, Kovatsi L, Mantsi M, Kavvalakis M, Christakis-Hampas M, Liesivuori J, **Tsatsakis** AM. A commonly intronic variant in OPRD1 is associated with Buprenorphine response in former heroin users. 50th Congress of The European Societies of Toxicology (EUROTOX 2014), 7-10 September, 2014, Edinburgh, United Kingdom.
68. Vardavas CI, Agaku I, Filippidis FT, Kousoulis A, Symvoulakis E, Tzatzarakis M, **Tsatsakis** A, Behrakis P, Lionis C. The Secondhand Smoke Exposure Scale (SHSES): A biomarker validated tool for assessing exposure to secondhand smoke. 6th European Conference on Tobacco or Health, March 2014, Istanbul, Turkey.
69. Koutroulakis D, Sifakis S, Tzatzarakis M, Alegakis A, Theodoropoulou E, Kavvalakis M, Kappou D, **Tsatsakis** A. Detection of non specific metabolites of organophosphorus pesticides in amniotic fluid as a biomarker of prenatal exposure of the fetus. 17th Panhellenic congress Greek Association of Perinatal Medicine, Athens 1-3 November 2013. (Abstract book ‘Perinatal Medicine & Neonatology’

- 2013, 8(1-2), 2-3).
70. Kavvalakis MP, Tzatzarakis MN, Vorou KK, Vynias D, Tsakalof AK, **Tsatsakis** AM. Development of GC-MS method for the detection and quantification of cypermethrins' metabolites in hair. 18th Meeting of the Society of Hair Testing , Geneva, Swiss, 28 - 30 August, 2013
  71. Tzatzarakis MN, Mantsi M, Kovatsi L, Vakonaki E, Kavvalakis MP, Mandakas X, Belivanis S, **Tsatsakis** AM. Determination and quantification of naloxone, buprenorphine and nor-buprenorphine in nails of ex-drug abusers under long term treatment with suboxone. 18th Meeting of the Society of Hair Testing , Geneva, Swiss, 28 - 30 August, 2013
  72. Vakonaki E, Belivanis S, Mantsi M, Kovatsi L, Tzatzarakis MN, Stivaktakis P, **Tsatsakis** AM. Monitoring of buprenorphine and nor-buprenorphine in head hair samples of participants in rehabilitation program under suboxone. 18th Meeting of the Society of Hair Testing , Geneva, Swiss, 28 - 30 August, 2013
  73. Tzatzarakis MN, Kavvalakis MP, Vakonaki E, Theodoropoulou E, Barbounis E, Kokkinakis EN, **Tsatsakis** AM. Determination of DDTs in human hair by SPME/GC-MS. 18th Meeting of the Society of Hair Testing , Geneva, Swiss, 28 - 30 August, 2013
  74. Vakonaki E, Manolis O, Kovatsi L, Mantsi M, Diamantari E, Belivanis S, Tzatzarakis M, **Tsatsakis** MA. OPRD1 Polymorphism is not associated with chronic cocaine use. 4th National Congress of Clinical Toxicology with International participation and Annual Meeting of Bulgarian Toxicological Society, 7-8 November 2013, Sofia, Bulgaria
  75. Kavvalakis MP, Tzatzarakis MN, Vorou KK, Vardavas AI, Stivaktakis P, Tsakalof AK, **Tsatsakis** AM. Determination of metabolites of cypermethrin in urine of exposed rabbits using gas chromatography-mass spectrometry. 8th International Conference "IMA 2013-Instrumental Methods of Analysis-Modern Trends and Applications, 15-19 September 2013, Thessaloniki, Greece
  76. Koutroulakis D, Sifakis S, Tzatzarakis MN, Alegakis A, Theodoropoulou E, Kavvalakis M, Kappou D, **Tsatsakis** AM. Dialkyl phosphate in amniotic fluid as a biomarker of fetal exposure to organophosphates in Crete, Greece: Association with fetal growth. XI World Congress of Perinatal Medicine. 19-22 of June 2013, Moscow, Russia
  77. Kavvalakis MP, Tzatzarakis MN, Polychronis S, Barbounis M, Goumenou M, Alegakis A, Renieri E, Vynias D, **Tsatsakis** AM. Understanding the imidacloprid metabolism in long-term exposure through a comparative study of imidacloprid and its major metabolite levels in the urine and hair of intentionally exposed rabbits. 49th Congress of the European Societies of Toxicology (EUROTOX 2013) September 1-4, 2013, Switzerland, Interlaken.
  78. Kokkinaki AN, Kokkinakis EN, Tzatzarakis M, Fragkiadaki P, Tsakiris NI, Vynias D, **Tsatsakis** AM. Organophosphates used in agriculture and produce export. 49th Congress of the European Societies of Toxicology (EUROTOX 2013) September 1-4, 2013, Switzerland, Interlaken.
  79. Tsakiris IN, Tzatzarakis MN, Alegakis AK, Mitlianga P, Kyriakakis M, Stivaktakis P, Kavvalakis M, Vlachou M, **Tsatsakis** AM. A preliminary assessment of dietary exposure to sulphites in Greek population through wine consumption. 49th Congress of the European Societies of Toxicology (EUROTOX 2013) September 1-4, 2013, Switzerland, Interlaken
  80. Vasilaki F., Maravgakis G., Stivaktakis P., Tsitsimpikou C, Vakonaki E., Fragkiadaki P, Kovatsi L., Christakis-Hampsas M, Kokkinakis E N., **Tsatsakis A. M.** Evaluation of DNA damage and telomerase activity in liver and kidney after long term rabbits exposure to chlorpyrifos. 49th Congress of the European Societies of Toxicology (EUROTOX 2013) September 1-4, 2013, Interlaken, Switzerland.
  81. Valente A, Jamurtas AZ, Theodoropoulou E, Vakonaki E, Christakis-Hampsas M, Pantelakos S, Tzatzarakis M, **Tsatsakis** A, Flouris AD.. Metabolic and thermoregulatory effects of skin versus diet L-menthol treatment. 49th Congress of the European Societies of Toxicology (EUROTOX 2013) September 1-4, 2013, Switzerland, Interlaken.
  82. Tzatzarakis MN, Tsitoglou KI, Chorti MS, Poulianiti KP, Jamurtas AZ, Koutedakis Y, Flouris AD, Kyriakakis M, **Tsatsakis** A. Acute and short term impact of active and passive tobacco and electronic cigarette smoking on inflammatory markers. 49th

- Congress of the European Societies of Toxicology (EUROTOX 2013) September 1-4, 2013, Switzerland, Interlanken.
83. Tzatzarakis MN, Tsitsimpikou C, Mandakas X, Vakonaki E, Kavvalakis MP, Theodoropoulou E, Kanaki K, Kovatsi L, **Tsatsakis** AM. Hair analysis of sedative-hypnotics drugs involved in crime suspected cases in Greece. 49th Congress of the European Societies of Toxicology (EUROTOX 2013) September 1-4, 2013, Switzerland, Interlanken.
  84. Vakonaki E, Morozova VS, Petrochenko SN, PolyvanayaOYu, Myagkova MA, Kavvalakis M, Kovatsi L, Tzatzarakis MN, **Tsatsakis** AM. Determination of antibodies to cocaine metabolites in serum of cocaine users. 49th Congress of the European Societies of Toxicology (EUROTOX 2013) September 1-4, 2013, Switzerland, Interlanken.
  85. Misailidi M, Papakonstantinou C, Tzatzarakis M, Kavvalakis M, Koutedakis Y, **Tsatsakis** AM, Flouris A. (2013). Design and Implementation of Questionnaires to assess chronic exposure to secondhand smoke in children and adults. 11th Conference of the International Society for the Prevention of Tobacco Induced Diseases. December 9-11, Athens, Greece.
  86. Nikitovic D., **Tsatsakis** A., Tzanakakis G. Nanoparticle toxicity: Correlation to extracellular matrix remodeling. 4<sup>th</sup> Russian-Hellenic Symposium. Biomaterials and Bionanomaterials: Recent Problems and Safety Issues. Heraklio, Agapi Beach, May 5-12, 2013, Crete, Greece.
  87. Kavvalakis PM, Tzatzarakis MN, Stivaktakis DP, Barbounis E, Alegakis KA, Karamanos N, **Tsatsakis** M. Assessment of burden of the pesticide imidacloprid and its metabolite on rural and urban residents of Crete, Greece in hair using an LC-APCI-MS technique. 14th international symposium on advances in extraction technologies. September 24-26, 2012, Messina, Italy.
  88. Tzatzarakis MN, Kavvalakis PM, Stivaktakis DP, Vasilaki F, Theodoropoulou PE, Vakonaki E, Vynias D, **Tsatsakis** MA. Development of a rapid multi-component analysis of electronic cigarette's liquid. 14th international symposium on advances in extraction technologies. September 24-26, 2012, Messina, Italy.
  89. Stivaktakis DP, Tzatzarakis MN, Kavvalakis PM, Barbounis E, Vakonaki E, Tsitsimpikou C, **Tsatsakis** MA. Development of LC-MS technique for the determination of anabolic steroids (turinabol and dianabol) in hair of exposed rabbits. 14th international symposium on advances in extraction technologies. September 24-26, 2012, Messina, Italy.
  90. Chorti MS, Poulianiti KP, Jamurtas AZ, Kostikas K, Tzatzarakis MN, **Tsatsakis** AM, Koutedakis Y, Flouris AD. Electronic cigarette and tobacco cigarette smoking: do they affect lung function? WONCA Europe Conference. July 4-7, Vienna, Austria, 2012, p. 253.
  91. Chorti MS, Poulianiti KP, Jamurtas AZ, Kostikas K, Tzatzarakis MN, **Tsatsakis** AM, Koutedakis Y, Flouris AD. Electronic cigarette: is secondhand smoke harmful? WONCA Europe Conference. July 4-7, Vienna, Austria, pp. 58-59, 2012.
  92. Kavvalakis M, Tzatzarakis MN, Tsakalof AK, **Tsatsakis** AM. Development and application of LC-MS based method for biomonitoring of population exposure to pesticide imidacloprid. 3rd International Symposium on Green Chemistry for Environment, Health and Development, October 3-5, 2012, Skiathos island, Greece
  93. Tzatzarakis M, Morozova V, Vakonaki E, Petrochenko S, Myagkova M, Barbounis E, Kanaki A, Belivanis S, **Tsatsakis** A. Antibodies to opiates in serum as markers of chronic drug use. 3rd Russian-Hellenic Symposium. Biomaterials and Bionanomaterials: Recent Problems and Safety Issues. Heraklio, Agapi Beach, May 6-13, 2012, Crete, Greece.
  94. Loukopoulou AN, Vardavas C, Tzatzarakis MN, Farmakides G, Rossolymos C, Chrelias C, **Tsatsakis** AM, Connolly G, Behrakis P. Urinary nicotine and cotinine as a method for assessing the effectiveness of an intervention to aid smoking cessation during pregnancy. Chest, October 20-25, Atlanta, Gerorgia, USA, 2012.
  95. Barbounis GE, Tzatzarakis M, Renieri E, **Tsatsakis** MA. Determination of polychlorinated biphenyls in human hair by fully automated Rapid Alkaline Digestion Solid Phase Microextraction method (RAD-SPME). 36th International Symposium on Capillary Chromatography, Riva del Garda, Italy 27 May -1 June

- 2012.
96. Tzatzarakis M, Savvopoulos M, Kavvalakis M, Nagaev I, Kovatsi L, Koutras E, Nestoros I, **Tsatsakis A**. Comparative evaluation of deposition of cannabinoids, opiates and cocaine in hair samples from different anatomical sites. 48th Congress of the European Societies of Toxicology (EUROTOX 2012) June 17-20, 2012, Stockholm, Sweden.
  97. Vakonaki E, Christakis-Hampsas M, Alegakis A, Flamourakis M, Kovatsi L, Renieri E, Tsitsimpikou C, Belivanis S, **Tsatsakis A**. Allele frequencies of fifteen STR loci in a population sample from Crete. 48th Congress of the European Societies of Toxicology (EUROTOX 2012) June 17-20, 2012, Stockholm, Sweden.
  98. Vakonaki E, Kovatsi L, Alegakis A, Androutsopoulos V, Gubandru M, Christakis-Hampsas M, Flamourakis M, **Tsatsakis A**. Comparison of allele frequencies of 15 STR loci between two populations in Greece. 48th Congress of the European Societies of Toxicology (EUROTOX 2012) June 17-20, 2012, Stockholm, Sweden.
  99. Chorti MS, Poulianiti KP, Jamurtas AZ, Kostikas K, Tzatzarakis MN, Vynias D, Koutedakis Y, Flouris AD, **Tsatsakis AM**. Effects of active and passive electronic and tobacco cigarette smoking on lung function. 48th Congress of the European Societies of Toxicology (EUROTOX 2012) June 17-20, 2012, Stockholm, Sweden.
  100. Kouretas D, Poulianiti KP, Chorti MS, Jamurtas AZ, Kostikas K, Tzatzarakis MN, Koutedakis Y, Flouris AD, **Tsatsakis AM**. Effects of electronic cigarette and tobacco cigarette smoking on complete blood count. 48th Congress of the European Societies of Toxicology (EUROTOX 2012) June 17-20, 2012, Stockholm, Sweden.
  101. Michalakis M, Tzatzarakis NM, Alegakis KA, Kavvalakis M, Vakonaki E, Heretis I, Gubandru M, **Tsatsakis A**. Pesticides levels (DDTs, HCHs and DAPs) in blood and hair samples of children diagnosed with hypospadias. 48th Congress of the European Societies of Toxicology (EUROTOX 2012) June 17-20, 2012, Stockholm, Sweden.
  102. Barbounis GE, Moukas A, Xiskia EA, Tzatzarakis NM, Stivaktakis P, Kokkinaki K, **Tsatsakis MA**. Liquid chromatography-mass spectrometry of polychlorinated biphenyls (PCBs) using dopant assisted atmospheric pressure photoionization. 48th Congress of the European Societies of Toxicology (EUROTOX 2012) June 17-20, 2012, Stockholm, Sweden.
  103. Stivaktakis P, Maravgakis G, Kavvalakis M, Tzatzarakis M, Alegakis A, Theodoropoulou E, Kokkinakis M, Liesivuori J, **Tsatsakis A**. Micronucleus Assay in rabbits; A genotoxicity study of sub-acute levels of imidacloprid. 48th Congress of the European Societies of Toxicology (EUROTOX 2012) June 17-20, 2012, Stockholm, Sweden.
  104. Maravgakis G, Tzatzarakis M, Renieri E, Kavvalakis M, Stivaktakis P, Alegakis A, Kiriakakis M, Vynias D, **Tsatsakis A**. Quantitative and qualitative hair analysis and of Diazinon and its specific metabolite (IMPy) levels in exposed rabbits using LC-MS. 48th Congress of the European Societies of Toxicology (EUROTOX 2012) June 17-20, 2012, Stockholm, Sweden.
  105. Kavvalakis M, Tzatzarakis M, Panagiotakis M, Stivaktakis P, Maravgakis G, Kokkinaki A, Renieri E, Kiriakakis M, **Tsatsakis A**. A new, simple and efficient method for the detection and quantification of imidacloprid and its major metabolite 6-chloronicotinic acid in rabbit hair using LC-MS. 48th Congress of the European Societies of Toxicology (EUROTOX 2012) June 17-20, 2012, Stockholm, Sweden.
  106. Tsakiris I, Dionysopoulou C, Tzatzarakis M, Alegakis A, Kokkinakis M, Theodoropoulou E, Mitlianga P, Liesivuori J, **Tsatsakis A**. Monitoring organochlorine metabolites in dietary milk and estimation of hazard index values. 48th Congress of the European Societies of Toxicology (EUROTOX 2012) June 17-20, 2012, Stockholm, Sweden.
  107. Tsakiris I, Kokkinaki A, Tzatzarakis M, Alegakis A, Kokkinakis M, Fragkiadaki P, Vynias D, Mitlianga P, **Tsatsakis A**. Dietary exposure of Greek consumers to pesticides by a nutrition based on Mediterranean diet. 48th Congress of the European Societies of Toxicology (EUROTOX 2012) June 17-20, 2012, Stockholm, Sweden.
  108. Tzatzarakis M, Morozova V, Vakonaki E, Petrochenko S, Myagkova M, Barbounis E, Kanaki A, Belivanis S, **Tsatsakis A**. Detection of antibodies in serum of drug users after an abstinence period of opiates use. 48th Congress of the European Societies of Toxicology (EUROTOX 2012) June 17-20, 2012, Stockholm, Sweden.

109. Misailidi M, Carrillo AE, Tzatzarakis MN, Stivaktakis P, Koutedakis Y, **Tsatsakis AM**, Flouris AD. Validity assessment of questionnaires assessing exposure to secondhand smoke. 3rd International Conference on Environmental Management, Engineering, Planning and Economics (CEMEPE 2011) & SECOTOX Conference. June 19-24, Skiathos, Greece. p. 170, 2011.
110. Koutroulakis D, Tzatzarakis MN, Alegakis AK, Fragkiadaki P, Mantas N, **Tsatsakis AM**, Sifakis S. Evaluation of the exposure of pregnant women in pesticides by measuring the non specific metabolites of organophosphate metabolites in the amniotic fluid. 10th World Congress in Fetal Medicine, Hilton Malta Hotel, Portomaso St Julians, 26th-30th June. 2011, Malta.
111. Tsika C, Tsoka P, Tzatzarakis M, Charalambopoulos I, Tsilimbaris MK. Evaluation of the retinal bioavailability after parenteral administration of a DHEA synthetic analog in the rat retina. ARVO's 2011 Annual Meeting, May 1-5, 2011, Fort Lauderdale, Florida.
112. Loukopoulou A, Vardavas C, Kougias M, Anagnostopoulos N, Farmakides G, Tzatzarakis M, **Tsatsakis A**, Evangelopoulou V, Behrakis P. High and low intensity interventions for smoking cessation during pregnancy, an RCT. European Respiratory Society, Annual Congress 2011, 24-28 September, Netherland.
113. Koutroulakis D, **Tsatsakis AM**, Tzatzarakis MN, Alegakis AK, P. Fragkiadaki, Sifakis S. Exposure to pesticides during pregnancy by the evaluation of their concentration in amniotic fluid and maternal urine. 47th Congress of the European Societies of Toxicology (EUROTOX2011) August 28-31, 2011, Porte Maillot, Paris, France.
114. Misailidi M, Tzatzarakis MN, Stivaktakis P, Koutedakis Y, **Tsatsakis AM**, Flouris AD. Development of questionnaires for the assessment of environmental tobacco smoke exposure in children and adults: Validity against hair nicotine. 47th Congress of the European Societies of Toxicology (EUROTOX2011) August 28-31, 2011, Porte Maillot, Paris, France.
115. Toutoudaki M, Kavvalakis M, Tzatzarakis M, Alegakis A, Dawson A, Fahim M, **Tsatsakis A**. DEP and DETP concentration profiles along the hair shaft of two patients poisoned by chlorpyrifos: The use of hair analysis to confirm past acute exposure. 47th Congress of the European Societies of Toxicology (EUROTOX2011) August 28-31, 2011, Porte Maillot, Paris, France.
116. Nestoros, I., Alegakis, A, Vakonaki, E., Christakis-Hampsas, M., **Tsatsakis, A**. Short term memory impairment and Schizophrenia-like symptoms are associated with cannabinoids in head hairs in chronic heavy cannabis users. 47th European Congress of the European Societies of Toxicology (EUROTOX 2011) 28-31 August, Paris, France.
117. Karamanos N, Malavaki C, Tzanakakis G, **Tsatsakis A**. Principles and applications of capillary electrophoresis and microchips in forensic and clinical toxicology. 45th Congress of the European Societies of Toxicology (EUROTOX 2008), Rhodos, Greece, 5-8 October 2008.
118. Tsakiris I, **Tsatsakis A**, Marnasidis S, Favas H, Alegakis A. Estimation of the frequency and severity of plant protection products residues in Greek olive oil originates from organic cultivation of olives during 2008. 46th Congress of the European Societies of Toxicology (EUROTOX2009) September 13-16, 2009, Dresden, Germany.
119. Alegakis A, Zafiropoulos A, Tzanakakis G, Liesivuori J, Koutis C, **Tsatsakis A**. Associations between PON1 and CYP1A1 genetic polymorphisms and clinical findings of a Greek population exposed to pesticides. 46th Congress of the European Societies of Toxicology (EUROTOX2009) September 13-16, 2009, Dresden, Germany.
120. Androutopoulos V, Ruparelia K, Arroo R, **Tsatsakis A**, Spandidos D. CYP1-mediated metabolism of dietary flavonoids enhances their toxicity in breast cancer cells. Self reported smoking status among Greek adolescents: The HELENA study. 46th Congress of the European Societies of Toxicology (EUROTOX2009) September 13-16, 2009, Dresden, Germany.
121. **Tsatsakis A**. Biomonitoring of pesticides in the industrial world and in developing countries. 46th Congress of the European Societies of Toxicology (EUROTOX2009) September 13-16, 2009, Dresden, Germany.
122. Shtilman MI, **Tsatsakis A**. Development and assessment of new controlled release

- systems. 45th Congress of the European Societies of Toxicology (EUROTOX 2008), Rhodos, Greece, 5-8 October 2008.
123. **Tsatsakis A.** Assessing chronic exposure for drugs of abuse. 45th Congress of the European Societies of Toxicology (EUROTOX 2008), Rhodos, Greece, 5-8 October 2008.
124. Zafiroopoulos A, Konstantinou P, Koutis C, Babatsikou F, Kafatos A, Tzanakakis G, **Tsatsakis A.** Analysis of PON1 polymorphisms on a rural Greek population of Peloponnesus. 44th Congress of the European Societies of Toxicology (EUROTOX 2007), Amsterdam, the Netherlands, 7-10 October 2007.
125. Danis TG, Tsakiris IN, Hourdakis M, Alegakis AK, **Tsatsakis AM.** Integrated crop management and food safety, the current status in Greece in peach cultivation. 43rd Congress of The European Societies of Toxicology (EUROTOX 2006) and 6th Congress of Toxicology in Developing Counties (6th CTDC), September 20-24 2006, Dubrovnik, Croatia.
126. Dialyna I, Pazarentzos E, Stratigi K, **Tsatsakis AM.** Genetic polymorphisms of PON1 and lung cancer or Parkinson's disease risk in Greek population exposed to pesticides. 42nd congress of European Societies of Toxicology (Eurotox 2005), Krakow, Poland, 11-14 September 2005.
127. Maravgakis G, Tzatzarakis M, Alegakis A, Kavvalakis M, **Tsatsakis AM.** Assessment of subacute exposure to diazinon by hair analysis of dialkylphosphates (DEP and DETP) in exposed rabbits. 16th SoHT annual meeting, 2011, 21-26 March, Chamonix, Mont Blanc.
128. Barbounis M, Tzatzarakis M, Kavvalakis M, Maravgakis G, Toutoudaki M, **Tsatsakis AM.** Comparative study of polychlorinated biphenyls (PCBs) determination in human head hair samples using GC-DFHRMS and GC-MS. 16th SoHT annual meeting, 2011, 21-26 March, Chamonix, Mont Blanc.
129. Toutoudaki M, Kavvalakis M, Tzatzarakis M, Alegakis A, Christaki-Hampsa M, **Tsatsakis AM.** Dialkyl phosphates determination in hair segments assisting post term evaluation of acute cases of organophosphate poisonings. 16th SoHT annual meeting, 2011, 21-26 March, Chamonix, Mont Blanc.
130. Alegakis A, **Tsatsakis A,** Tzatzarakis M. Associating levels of hair cannabinoids with severity of cannabis use. 3rd international Congress on Rural Health in Mediterranean and Balkan Countries, 22-25 September, Tirana, Albania, 2010
131. Artykova ZB, Tashmuhamedov RI, Tzatzarakis E, Gritskova IA, Krambovitis E, Goryachaya AV, Shtilman MI. Amonoacid derivatives of poly-N-vinylpyrrolodine. 1st Russian – Hellenic Symposium on Polymeric Biomaterials and Bionanomaterials: Recent Advances Safety and Toxicology Issues, Heraklion, Crete, 3-9 May, 2010 Greece.
132. Tzatzarakis MN, Vardavas CI, Terzi I, Kavvalakis M, Liesivuori J, **Tsatsakis AM.** Monitoring of exposure to secondhand smoking during infancy and adulthood by determination of nicotine and cotinine levels in head hair. 8th International Symposium on Biology Monitoring in Occupational and Environmental Health (ISBM 2010), Hanasaari, Espoo, Finland, 6-8 September 2010.
133. Flouris AD, Metsios GS, Carrillo AE, Jamurtas AZ, Terzi I, Tzatzarakis MN, **Tsatsakis AM** Koutedakis Y. Effects of passive smoking on active and resting humans 0, 1, and 3 hours following exposure. XII International Congress of Toxicology (IUTOX 2010), Spain, Barcelona, 19-23 July, 2010.
134. Dinas PC, Flouris AD, Minas M, Kostikas K, Terzi I, Kavvalakis M, Tzatzarakis MN, **Tsatsakis AM.** Acute exposure to secondhand smoke is associated with endogenous lung acidosis and obstructive pulmonary disorder. XII International Congress of Toxicology (IUTOX 2010), Spain, Barcelona, 19-23 July, 2010.
135. Tzatzarakis MN, Toutoudaki M, Fahim ACM, Dawson A, Kokkinakis M, Maravgakis G, **Tsatsakis AM.** Detection of non specific organophosphate pesticide metabolites in human hair samples. 46th Congress of the European Societies of Toxicology (EUROTOX2009) September 13-16, 2009, Dresden, Germany.
136. Toutoudaki M, Germanakis I, Briasoulis G, Tzatzarakis M, Christaki M, **Tsatsakis AM.** The Impact of Drug Monitoring in a case of Drug Resistant Neonate Arrhythmia. 46th Congress of the European Societies of Toxicology (EUROTOX2009) September 13-16, 2009, Dresden, Germany.

137. Tzatzarakis MN, Koutroulakis D, Sifakis S, Kabalakis M, Tutudaki M, Mantas N, Koukoura O, Kokkinakis M, Mataliotakis I, **Tsatsakis A**. Monitoring of the non specific metabolites of organophosphate pesticides in amniotic fluid of pregnant women in the region of Crete. 46th Congress of the European Societies of Toxicology (EUROTOX2009) September 13-16, 2009, Dresden, Germany.
138. Vardavas CI, Tzatzarakis MN, Plada M, **Tsatsakis AM**, Papadaki A, Saris WH, Moreno L, Kafatos AG, on behalf of the HELENA Heraklion Study Group. Cotinine biomarker validation of self reported smoking status among Greek adolescents: The HELENA study. 46th Congress of the European Societies of Toxicology (EUROTOX2009) September 13-16, 2009, Dresden, Germany.
139. Symvoulakis E, Fountouli P, Vardavas C, Tzatzarakis M, Stavroulaki A, Sfiridaki K, Bolonaki E, Alegakis T, **Tsatsakis A**, Lionis C. Active and passive smoking of the blood donor in relation to markers of inflammation in transfused blood. 46th Congress of the European Societies of Toxicology (EUROTOX2009) September 13-16, 2009, Dresden, Germany.
140. Vardavas CI, Plada M, Tzatzarakis MN, Marcos A, Warnberg J, Gonzalez-Gross M, Gomez-Martinez S, Diaz LE, Saris W.H, **Tsatsakis A.M**, Moreno LA, Kafatos AG. Serum antioxidants may modify the systemic immunological response induced by exposure to passive smoke in non smoking healthy adolescents. ECO 2009 Pre-Congress Meeting, Health behaviour and status in European adolescents: The HELENA Project (Healthy Lifestyle in Europe by Nutrition In Adolescence), Amsterdam, The Netherlands, May 6th, 2009.
141. Koutroulakis D., Sifakis S., Tzatzarakis M., Koukoura O., Kavalakis M., Sigelaki A., Mataliotakis I., **Tsatsakis A**. Levels of exposure of pregnant women to organophosphate pesticides by measuring the concentration of their non-specific metabolites in the meconium. The 7th Athens Congress on Women's Health and Disease. September 11-13, 2008, Athens, Greece.
142. Kokkinakis EN, Kokkinaki A, Toutoudaki M, Tzatzarakis M, **Tsatsakis A**. Pesticide sampling methodology in order to sustain agricultural food quality-control, according to Eurepgap protocols. 45th Congress of the European Societies of Toxicology, Rhodes, Greece, 5-8 October 2008.
143. Tzatzarakis M, Koutroulakis D, Sifakis S, Theodoropoulou E, Kabalakis M, Koukoura O, Sigelaki A, Tutudaki M, **Tsatsakis A**. Concentration of dialkylphosphate metabolites of organophosphate pesticides in pregnant women's urine in the island of Crete. 45th Congress of the European Societies of Toxicology, Rhodes, Greece, 5-8 October 2008.
144. Tzatzarakis M, Mila M, Neou P, Toutoudaki M, **Tsatsakis A**. Measurement of paracetamol and two major metabolites in the urine of children intoxicated with paracetamol. 45th Congress of the European Societies of Toxicology, Rhodes, Greece, 5-8 October 2008.
145. Hatzidaki E, Toutoudaki M, Christaki M, Manoura A, Korakaki E, Saitakis E, Tzatzarakis M, **Tsatsakis A**, Giannakopoulou C. A non fatal suicide attempt of a pregnant woman using mirtazapine and venlafaxine. 45th Congress of the European Societies of Toxicology, Rhodes, Greece, 5-8 October 2008.
146. Tutudaki M, Tzatzarakis M, **Tsatsakis A** (2007). Assessment of exposure to pesticides of a population in Messara using hair analysis and study of the correlations between the detected pesticide concentrations and of PON1 and CYP1A1 polymorphisms. 44th Congress of the European Societies of Toxicology, Amsterdam, the Netherlands, 7-10 October 2007.
147. Tsakiris I.N., **Tsatsakis A.M.**, Danis T.G., Tzatzarakis M. Field Study for the degradation of chlorpyrifos in peaches cultivated by Integrated Crop Management system, 44th Congress of the European Societies of Toxicology. Amsterdam The Netherlands 7-10 October 2007.
148. Tutudaki M, Tzatzarakis M, Belivanis S, Spanaki M, Briasoulis G, **Tsatsakis AM** (2007). Case report concerning two cases of ergotamine poisoning. 44th Congress of the European Societies of Toxicology, Amsterdam, the Netherlands, 7-10 October 2007.
149. Saroglou M, Tryfon S, Papalois A, Liapakis I, Tzatzarakis E, **Tsatsakis A**, Bouros D (2007). Penetration of linezolid in experimental pleural empyema model fluid. 18th

- European Respiratory Society Annual Congress, September 15-19, 2007, Stockholm, Sweden.
150. Toutoudaki M, Tzatzarakis MN, Margariti M, Koutis C, Babatsikou F, Liesivuori J, **Tsatsakis AM** (2007). Hair analysis used for the assessment of currently used pesticide exposure of the population of Helia, Peloponnesus. International Congress of Toxicology, July 15-19, 2007, Montreal, Canada.
151. Tzatzarakis MN, Toutoudaki M, Margariti M, Kafatos A, Liesivuori J, **Tsatsakis AM**. (2007) Hair analysis used for the assessment of pesticides exposure of different working population groups in the district of Messara, Crete. International Congress of Toxicology, July 15-19, 2007, Montreal, Canada.
152. Tutudaki M, Tzatzarakis MN, Margariti M, Koutis Ch, Kafatos A, **Tsatsakis AM**. Assesment of chronic exposure to pesticides and urban population in Helia, Peloponnesus and Crete, Greece. 46th Annual Meeting and ToxExpo, Charlotte, North Carolina, USA, March 25-29, 2007.
153. Vardavas CI, Tzatzarakis MN, **Tsatsakis AM**, Athanasopoulos D, Balomenaki E, Linardakis MK, Kafatos AG, (2006). Serum nicotine and cotinine levels as passive smoking biomarkers in preschool children of Crete, Greece. 43rd Congress of The European Societies of Toxicology (EUROTOX 2006) and 6th Congress of Toxicology in Developing Counties (6th CTDC), September 20-24, Dubrovnik, Croatia.
154. Toutoudaki M, Tzatzarakis MN, Christakis M, Margariti M, Xirouchakis S, Georgiakakis P, Barboutis C, **Tsatsakis A** (2006). Detection of organophosphorous pesticides in poisoned birds of prey. 43rd Congress of The European Societies of Toxicology (EUROTOX 2006) and 6th Congress of Toxicology in Developing Counties (6th CTDC), September 20 - 24, Dubrovnik, Croatia.
155. Savvopoulos MA, Tzatzarakis MN, Toutoudaki M, Christaki M, Pallis E and **Tsatsakis AM** (2006). The verification of the "Drug Addictive" status in drug abuse legal cases in Greece. 43rd Congress of The European Societies of Toxicology (EUROTOX 2006) and 6th Congress of Toxicology in Developing Counties (6th CTDC), September 20 - 24, Dubrovnik, Croatia.
156. Flouris AD, Metsios GS, Carrillo AE, Jamurtas AZ, Koutedakis Y, Tzatzarakis MN, **Tsatsakis AM** (2005). Effects of passive smoking on resting and exercising humans. Annual Conference of the Canadian Society of Exercise Physiology. November 9-12, Gatineau, Quebec, Canada. Conference Proceedings, p. 76.
157. Tutudaki M, Tzatzarakis M, **Tsatsakis A** (2005). Hair analysis as an alternative tool to assess chronic exposure to pesticides and environmental pollutants. International Conference, Instrumental Methods of Analysis Modern Trends and Applications, IMA, 2-6 October, Hersonissos, Heraklion, Crete.
158. Tutudaki M, Leukidou I, Nzeim T, Tzatzarakis MN, Dolapsakis G, **Tsatsakis AM** (2005). Lindane, DDT and its metabolites levels in the hair of Lebanese and Cretan populations. 42nd congress of European Societies of Toxicology (Eurotox 2005), Krakow, Poland, 11-14 September.
159. Danis TG, Tsakiris IN, **Tsatsakis AM**, Alegakis AK, Tzatzarakis MN (2005). Residues of plant protection products in peaches after a long term implementation of ICM. 42nd congress of European Societies of Toxicology (Eurotox 2005), Krakow, Poland, 11-14 September.
160. Savvopoulos MA, Tzatzarakis MN, Pallis E, Giannakoudakis K, Paritsis N, and **Tsatsakis AM** (2005). Judicial and forensic examination of drug abuse cases in the past five years in Crete. 42nd congress of European Societies of Toxicology (Eurotox 2005), Krakow, Poland, 11-14 September.
161. Petrikou E, Tzimogianni A, Tzatzarakis M, Karageorgou E, Charvalos E, **Tsatsakis AM**, Petrikos G (2005). Water soluble nystatin complexes: Antifungal activity against *Candida* spp. and cellular toxicity. 42nd congress of European Societies of Toxicology (Eurotox 2005), Krakow, Poland, 11-14 September.
162. **Tsatsakis AM**, Savvopoulos MA, I. Dialyna, Tzatzarakis MN, Pallis E, (2004). Legal issues of addiction and hair testing for drugs of abuse. FBI Laboratory Symposium on Forensic Toxicology and Joint Meeting of the Society of Forensic Toxicologists (SOFT) & The International Association of Forensic Toxicologists (TIAFT), Washington, District of Columbia, United States of America, August 28–September 3, 2004.

163. Savopoulos MA, Tzatzarakis MN, Pallis E, **Tsatsakis** AM (2004). Hair testing and legal experience in Greece. 10th International Congress of Toxicology (ICTX), 11-15, July, Tampere, Finland, 372.
164. Baykara E, Tutudaki M, Tzatzarakis M, Abaci-Kalfoglu E, **Tsatsakis** AM (2004). Development of analytical method for the detection of pyrethroids in hair. 10th International Congress of Toxicology (ICTX), 11-15, July, Tampere, Finland, 234.
165. Charvalos E, Tzatzarakis MN, Van Bambeke F, Tulkens PM, **Tsatsakis** AM, Mingeot-Leclercq MP (2004). In-vitro antifungal activity, cytotoxicity and cellular accumulation of new water-soluble amphotericin B (AMB) - polyvinylpyrrolidone (PVP) formulations. 14th European Congress of Clinical Microbiology and Infectious Diseases. Prague, Czech, May 1–4.
166. Liapakis IE, Tzatzarakis MN, Pitiakoudis MS, **Tsatsakis** AM, Karayiannakis AJ, Simopoulos CE, Bouros DE (2004). Pharmacokinetics and pharmacodynamics of newer quinolones in the empyema pleural fluid. ATS, Orlando, 100th International Conference.
167. Belivanis S, Fragoulis M, Tzatzarakis M, **Tsatsakis** A, (2003). A fatal case due to tricyclic antidepressant intoxication. Amitriptyline and nortriptyline distribution in post-mortem biological samples. 3rd European Academy of Forensic Science Triennial Meeting, September 22-27, Istanbul, Turkey TOX-FP-15.
168. Belivanis S, Tzatzarakis M, Trikilis N, **Tsatsakis** A, (2003). Acute intoxication by pesticide and benzodiazepines. 3rd European Academy of Forensic Science Triennial Meeting, September 22-27, Istanbul, Turkey Forensic Science International, TOX-FP-14, pp. 314, vol. 136(1).
169. **Tsatsakis** AM, Tzatzarakis MN, Suprun OV, Shtilman MI (2002). Polymeric derivatives of sorbic acid - water soluble preparations for fungicide activity. IXth International Symposium on Biomedical Science and Technology, 19-22 Sept, Kemer, Antalya, Turkey, p48.
170. **Tsatsakis** AM, Tsakiris IN, Tzatzarakis MN, Agourakis ZB, Tutudaki M, Alegakis AK, (2002). Fenthion and dimethoate residue levels in olive oil samples from biological and conventional cultivations in Crete. International Conference on Rural Health in Mediterranean and Balkan Countries, Bari, Italy, November 13-16, pp. 138.
171. Charvalos, E, Liapi C, Tzatzarakis M, **Tsatsakis** A, Galanopoulou P, Koutis C, (2002). New nystatin polymeric complexes and their in vitro antifungal evaluation in a model study with *Fusarium oxysporum*. XIVth World Congress of Pharmacology. San Francisco, California, USA, July 6-12.
172. Charvalos E, **Tsatsakis** A, Tzatzarakis M. (2001). Antifungal activities of new controlled release biocompatible and biodegradable complexes of amphotericin, nystatin and sorbic acid. ASM, San Juan, Puerto Rico, October 2-6.
173. Charvalos E, **Tsatsakis** A, Tzatzarakis M, Kanta A, Georgopoulos I, Petrikkos G. (2000). Antifungal activities of novel controlled release water soluble polymeric forms of sorbic acid. 6th World Hellenic Biomedical Congress, Athens 12-14 October.
174. Charvalos E, **Tsatsakis** A, Tzatzarakis M, Petrikkos G, Kanta A, Georgopoulos I. (2000). Antifungal activities of novel amphotericin-B polyvinylpyrrolidone complexes. 6th World Hellenic Biomedical Congress, Athens 12-14 October .
175. Tzatzarakis MN, **Tsatsakis** MA, Charvalos E, (2000). Antifungal action of new polymeric complexes of sorbic acid, nystatin and amphotericine. In: Proceed 5th World Congress on Advance in Oncology and 3rd International Symposium on Molecular Medicine, Hersonissos, Crete, Greece, October 19-21, S69, International Journal of Molecular Medicine, Vol (6), supplement 1.
176. Shirshov AV, Shtilman MI, **Tsatsakis** AM, Vintonenko N, Semenchuk O, Tzatzarakis M, Shashkova IM, (2000). Shunt catheters with antimicrobial properties. In: Proceed. 27th International Symposium on Controlled Release of Bioactive Materials and the third Consume and Diversified Products Conference, Paris, France, P.7007.
177. **Tsatsakis** MA, Tzatzarakis M, Charvalos E, (2000). Antifungal activities of novel amphotericin B – polyvinylpyrrolidone complexes. 6th Biomedical International Research Congress, Athens.
178. Charvalos E, Tzatzarakis M, **Tsatsakis** AM, Shtilman MI. (2000). Antifungal activities

- of novel controlled release water soluble polymeric forms of sorbic acid. ICAAC, Toronto, September 17-20.
179. **Tsatsakis AM**, Tzatzarakis MN, Michalodimitrakis E. et. al. (1999). Morphine hair profile of exhumed woman. In: 2nd Congress, Society of hair testing, Martigny, Swiss Abst p 2.12.
180. Shtilman MI, **Tsatsakis AM**, Tzatzarakis M, Nikiforova EV, Lotter MM, (1999). Complexes of poly-N-vinylpyrrolidone with sorbic acid. Conference «Condensed polymers: Synthesis, structure, properties», Jan 12-14, Moscow, INEOS, p 30.
181. Manousakis A, Anastasakis M, Agouridakis P, Tzatzarakis MN, **Tsatsakis AM**, (1997). Fenthion and omethoate acute poisoning. Presentation of clinical and toxicological data. In: Proceedings 35rd International Congress on Forensic Toxicology, ed Tedeschi L (TIAFT), Padova, pp. 419-425.
182. Tzatzarakis MN, Toutoudakis M, **Tsatsakis AM**, Dolapsakis G, Tsadik A, Psaroudakis K, (1997). Pesticide analysis in hair. A model study in rabbits with methomyl. In: Proceedings 35rd International Congress on Forensic Toxicology, ed Tedeschi L (TIAFT), Padova.p.402-407.
183. Psilakis TK, Alegakis TK, Tzatzarakis MN, and **Tsatsakis AM**. (1996). Determination of carbamazepine and valproic acid in human head hair. In: 34th Intern. Congress on Forensic Toxicology (TIAFT), Interaken, Switzerland. p 43.
184. Shtilman MI, Tzatzarakis MN, Vlahos JC, Shaskova IM, Dragasaki M and **Tsatsakis AM**, (1996). Phytoactive polymers: hydrolysis and bioactivity. In: Proceed. Intern. Symp. Control. Rel. Bioact. Mater., 23: 1120-1121, Tokyo, Japan.
185. Barbas M, Tzatarakis M, Daskalakis G, Sifakis S, Theodora M, Vakonaki E, Pontikaki A, Mitaras V, Fiorentzis S, Rizos A, **Tsatsakis AM**. Application of the solid microextraction technique in comparison with gas chromatography mass spectrometry to assess the burden of pregnant women in persistent organochlorine pollutants. 16-18 October, 2015, Megaro, Athens.
186. Nikitovic D, Zafiroopoulos A, **Tsatsakis A**, Karamanos NK, Tzanakakis GN. Normal and cancerous osteoblastic cells display distinct differences in the expression of matrix chondroitin sulphate proteoglycans. *FEBS JOURNAL*, 2005, 272: 274-274
187. Dialyna I, Dolapsakis G, Nikitovic D, **Tsatsakis AM**. Genetic Polymorphisms, Pesticides Susceptibility And Cancer Risk. *TOXICOL APPL PHARM*, 2004, 197 (3): 490.
188. Tutudaki M, Baykara E, **Tsatsakis AM**. In Vitro Studies Of The Adsorption Of Diazinon In Human Hair. *TOXICOL APPL PHARM*, 2004, 197 (3): 253.
189. Nikitovic D, **Tsatsakis AM**, Zafiripoulos A, Karamanos NK, Tzanakakis GN. *ANTICANCER RESEARCH*, 2004, 24 (5D): 3581-3581.
190. Dialyna IA, Chourdaki E, Chatzara CV, Pallis E , Paritsis N , **TsatsakisAM**. Genetic polymorphisms of drug metabolizing enzymes in Greek population and their effect on antidepressant treatment. 42nd congress of European Societies of Toxicology (Eurotox 2005), Krakow, Poland, 11-14 September.
191. **Tsatsakis AM**. Challenges In Forensic Toxicology: Analytical Instrumentation. *FORENSIC SCI INT*, 2003, 136: 1-1.
192. Alegakis AK, **Tsatsakis AM**, Vrekousis M, **Tsatsakis AM**. Kinetics And Isothermal Adsorption Of Ochratoxin On New Polymeric Materials. *TOXICOLOGY*, 2001, 164 (1-3): 173-174.
193. Machera K, Goumenou M, Kapetanakis E, **Tsatsakis AM**. Determination of Potential Dermal And Inhalation Exposure Of Operators Following Malathion 50ec Applications On Greenhouse Tomatoes. *TOXICOLOGY*, 2001, 164 (1-3): 85-85.
194. **Tsatsakis A**, Tsakiris J, Rodinko M Assessing Long Term Exposure For Drugs, Pollutants And Pesticides Using Sectional Hair Testing. *TOXICOLOGY*, 2001, 164 (1-3): 231-231.
195. **Tsatsakis AM**, Tsakiris NI, Danis GT. Assessment Of Safe Harvesting After Methyl Parathion Application. *TOXICOLOGY*, 2001, 164 (1-3): 86.
196. Tutudaki M, **Tsatsakis AM**, Covaci A. Hair Analysis: An Alternative Method Of Assessing Exposure To Organochlorine Pollutants. *TOXICOLOGY*, 2001, 164 (1-3): 85-86.
197. **Tsatsakis AM**. Judicial, epidemiological and clinical applications of sectional hair testing. *Intern Journal Molecular Medicine*, 2000, Suppl S89.
198. Papaioannou A, Zeaki M, Tzanakis N, **Tsatsakis AM**. Plasma Levels Of Lidocaine

### Chapters in Books

- During Fiberoptic Bronchoscopy And Its Effects On Cognitive Function. AM J RESP CRIT CARE, 1999, 159 (3): A737-737.
199. Rizos AK, **Tsatsakis AM**, Shtilman MI. Dynamics Of Self-Release Polymeric Derivatives. ABSTR PAP AM CHEM, 1999, S 218: 14-Pmse.
1. Goumenou M, Axiotis D, Trantallidi M, Vynias D, Tsakiris I, Alegakis A, Dumanov J, **Tsatsakis A**. Chapter 8 "Toxicological Effects, Risk Assessment and Legislation for Aflatoxins" IN: Aflatoxins: Food Sources, Occurrence and Toxicological Effects Editors: Adina G. Faulkner, NOVA Science Publishers, 2014. pp,191-232 ISBN: 978-1-63117-298-4
  2. Tsakiris IN, Renieri EM, Vlachou M, Theodoropoulou E, Goumenou M, **Tsatsakis AM**. Chapter 9 "Food Sources and Occurrence of Aflatoxins: The Experience in Greece" IN: Aflatoxins: Food Sources, Occurrence and Toxicological Effects Editors: Adina G. Faulkner, NOVA Science Publishers, 2014. pp,233-258 ISBN: 978-1-63117-298-4
  3. Michalakis M, Heretis G, Chrysos E, **Tsatsakis AM**. Pesticides Exposure and Risk of Hypospadias. In: Pesticides. The Impacts of Pesticides Exposure, INTECH open access publisher, ISBN: 978-953-307-531-0, Viena, 2011, pp
  4. Mitliang P, Tsakiris I, Tutudaki M, **Tsatsakis AM**. A Risk Assessment Study of Greek Population Dietary Chronic Exposure to Pesticide Residues in Fruits, Vegetables and Olive Oil. The Impacts of Pesticides Exposure, INTECH open access publisher, ISBN: 978-953-307-531-0, Viena, 2011, pp
  5. **Tsatsakis AM**, Sifakis S, Mparmpas M, Heretis G. Pesticide Exposure and Health Related Issues in Male and Female Reproductive System. Pesticides. Formulations, Effects, Fate. ISBN: 978-953-307-532-7, Viena, 2011, pp
  6. **Tsatsakis A.**, Toutoudaki M., Tzatzarakis M. Assessing Chronic Exposure to Anticholinesterase Pesticides by Hair Analysis. In: Dishovsky C., Pivovarov A. (eds) Counteraction to Chemical and Biological Terrorism in East European Countries. NATO Science for Peace and Security Series A: Chemistry and Biology. Springer, Dordrecht(2009) chapter 2, pp 203-213.
  7. **Tsatsakis A.M.**, Tsakiris I.N. Fenthion Dimethoate and Other Pesticides in Olive Oils of Organic and Conventional Cultivation. In: Olives and Olive Oil in Health and Disease Prevention, ed. Bolger E, Life Sciences, Elsevier, San Diego, CA, 2009, pp 415-414
  8. **Tsatsakis A.M.**, Shtilman M.I. (1992) Phytoactive polymers. New synthetic plant growth regulators. In: Proceedings Plant Morphogenesis: Molecular approaches K.A. Roubelakis- Angelakis and K. Tran Thanh Van, eds, Plenum Publ. Co, NATO ASI series, Ser A, Life sciences, v. 253 pp. 255-272