



Europass Curriculum Vitae



Personal information

First name(s) / Surname(s) **Dimosthenis Sarigiannis**

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Nationality Greek

Date of birth 22/12/1966

Gender Male

Work experience

Dates 3/12/2010 – to date

Occupation or position held Associate Professor of Environmental Engineering, Department of Chemical Engineering, Aristotle University of Thessaloniki

Main activities and responsibilities Director of Environment Laboratory
Scientific leadership and management of 9 international and Europe-wide research projects on waste management, environmental and health risk and impact assessment

Name and address of employer Aristotle University of Thessaloniki, University Campus, Thessaloniki 54124, Greece

Type of business or sector University

Dates 16/02/2009 – 30/11/2010

Occupation or position held Scientific Coordinator at the Institute for Health and Consumer Protection (IHCP) of the European Commission's Joint Research Centre, and Action Leader for Consumer Products and Nutrition, Senior Scientist on Chemical Assessment and Testing

Main activities and responsibilities Coordination of the scientific activities of the Institute for Health and Consumer Protection (ca. 300 scientists) in direct support to the Institute Director.
Coordination of the policy aspects of the IHCP work on consumer products and nutrition – maintenance of trusted relationships with customers and stakeholders.
Scientific leadership and management of 12 international and Europe-wide research projects.

Name and address of employer Institute for Health and Consumer Protection, Joint Research Centre, European Commission– Ispra (VA), Via E. Fermi 1, 21021, Italy

Type of business or sector European Research Centre

Dates 01/01/2008 – 15/02/2009

Occupation or position held Action Leader, Consumer Product Safety and Quality and Community Reference Laboratory for Food Contact Materials

Main activities and responsibilities	Leading a team of 40 scientific officers, contractual agents and DNEs, with an annual budget of ca. 2.5 m€ including laboratories and assessment techniques for testing the safety of chemicals in articles. Acting also as liaison with the Joint Research Centre units contributing to the Chemicals Safety Regulation (REACH) implementation process and providing support to the Consumer Policy, the Textiles labelling directive and the Food and Feed safety Regulation and the Environment and Health Action Plan.
Name and address of employer	Physical and Chemical Exposure Unit, Institute for Health and Consumer Protection, Joint Research Centre, European Commission– Ispra (VA), Via E. Fermi 1, 21021, Italy
Type of business or sector	European Research Centre
Dates	01/11/2005 – 31/12/2007
Occupation or position held	Action Leader, Human Exposure to Environmental Stressors and Health Effects
Main activities and responsibilities	I was leading a team of 39 scientific officers, contractual agents and DNEs, with an annual budget of ca. 900 k€ including laboratories and assessment techniques for estimating human exposure to environmental agents and the respective health effects. Acting also as liaison of all JRC units contributing to the REACH implementation process and providing support to the Environment and Health action plan.
Name and address of employer	Physical and Chemical Exposure Unit, Institute for Health and Consumer Protection, Joint Research Centre, European Commission– Ispra (VA), Via E. Fermi 1, 21021, Italy
Type of business or sector	European Research Centre
Dates	01/02/2004 – 31/10/2005
Occupation or position held	Action Leader, Assessment of Chemicals/European Chemicals Bureau
Main activities and responsibilities	I was leading a team of 35 scientific officers and auxiliaries, being responsible for coordinating and managing the scientific and technical support of the JRC to the Community legislation on safety of chemicals, including the risk assessment and classification & labeling procedures for new and existing chemicals and biocides, harmonized development of testing methods, secure management of the EU database cluster on chemical substances. Coordination of the work of Member States and Candidate Countries in the technical implementation of the chemicals safety legislation. Provision of support to the REACH Regulation Implementation Projects. Responsible for managing on behalf of the Director the JRC support to the development of the EU Sustainable Chemistry Platform.
Name and address of employer	Institute for Health and Consumer Protection, Joint Research Centre, European Commission– Ispra (VA), Via E. Fermi 1, 21021, Italy
Type of business or sector	University – Researcher
Dates	1/11/2001 – 31/01/2004
Occupation or position held	Assistant to the Joint Research Centre Director General, responsible for scientific affairs
Main activities and responsibilities	Responsible for managing on behalf of the Joint Research Centre Director General (ca. 2500 scientists) the following dossiers: <ul style="list-style-type: none"> • Environment and Health Strategy and Action Plan, • EU Climate Change Strategy, • Sustainable Chemistry Platform, • REACH Regulation (EU Chemical Safety legislation), • Hydrogen and Fuel Cells Platform, • Global Monitoring for Environment and Security, • Consumer Policy, • Civil Protection, • response to threat of terrorism, • Environmental Technologies action plan, • GMOs legislation, • Forest Focus. <p>Coordination and representation of the JRC in the interservice group on REACH within the European Commission, following both the scientific, technical and policy aspects of the development of the legislation.</p> <p>Development of the JRC initiative on the European Human Envirogenomics Project to understand the gene-environment interactions and their link with human susceptibility to environmental stressors.</p>
Name and address of employer	Joint Research Centre, European Commission, square de Meeus, 8, B-1050, Brussels
Type of business or sector	European Research Centre

Dates	1/11/2000 – 31/10/2001
Occupation or position held	Strategy Manager
Main activities and responsibilities	Responsible for the definition, implementation and monitoring of the scientific strategy of the Institute for Health and Consumer Protection in particular with regard to integrated health risk assessment of environmental stressors and the EU White Paper on chemicals safety
Name and address of employer	Institute for Health and Consumer Protection, Joint Research Centre, European Commission– Ispra (VA), Via E. Fermi 1, 21021, Italy
Type of business or sector	European Research Centre
Dates	1/09/2000 – 31/10/2001
Occupation or position held	Scientific advisor to the Minister of the Environment
Main activities and responsibilities	Part of the high-level Greek delegation at The Hague and Bonn conferences on the Kyoto protocol as advisor to the Minister; Part of the Greek delegation at the Environment Councils in 2000 and 2001 as advisor to the Minister. In this capacity contributed to the Council debate on the White Paper on Chemicals Safety. Responsible for the Greek government's initiative on facilitating the harmonized penetration of alternative vehicles in the internal market. Responsible for the national position paper at the Gothenburg summit on sustainable development. Responsible for the bilateral co-operation programmes with Balkan countries on waste management, sustainable development and climate change Responsible for the national policy initiatives on sustainable management of waste from electrical and electronic equipment Responsible for the creation of the Hellenic Centre for Innovation and Sustainable Development in Athens, Greece with environmental technology transfer and climate change mitigation and adaptation policies as a main objective.
Name and address of employer	Ministry of the Environment, Spatial Planning and Public Works, Hellenic Government, Athens, Greece
Type of business or sector	Government
Dates	1/04/1997 – 31/10/2000
Occupation or position held	Head of sector
Main activities and responsibilities	Dynamic modeling of complex systems to highlight the technology-environment interface. Implementation of complex socio-economic / environmental systems (input/output) models and life cycle analysis to assess the environmental and health externalities of novel energy technology. Data and model fusion incorporating satellite, ground-based environmental monitoring with modeling for integrated strategic environmental assessment. Integrated comparative assessment of advanced energy systems with regard to their economic/ environmental performance Design and implementation of an integrated information system for on-line control of the risk due to hazardous goods transport in support of the Italian Ministry of the Environment
Name and address of employer	Risk Management and Decision Support Unit, Institute for Systems, Informatics and Safety, Joint Research Centre, European Commission – Ispra (VA), Via E. Fermi 1, 21021, Italy
Type of business or sector	European Research Centre
Dates	1/04/1996 – 31/03/1997
Occupation or position held	Auxiliary scientific officer
Main activities and responsibilities	Design of the waste recycling system currently employed in Lisbon for integrated waste management (EUREKA programme)
Name and address of employer	Industry and Environment Unit, Institute for Systems, Informatics and Safety, Joint Research Centre, European Commission – Ispra (VA), Via E. Fermi 1, 21021, Italy
Type of business or sector	European Research Centre
Dates	1/04/1994 – 31/03/1996
Occupation or position held	Post-doctoral fellow
Main activities and responsibilities	Complex socio-technical and environmental systems modelling for EU policy support with particular reference to regional development and innovation.

Name and address of employer	Industry and Environment Unit, Institute for Systems, Informatics and Safety, Joint Research Centre, European Commission – Ispra (VA), Via E. Fermi 1, 21021, Italy
Type of business or sector	European Research Centre
Dates	1/5/1992 – 30/09/1992
Occupation or position held	Visiting scientist
Main activities and responsibilities	Consulting and conceptual design of an advanced dynamic simulation code for the modeling and automation needs of the tritium processing pilot plant
Name and address of employer	Los Alamos National Laboratory, Tritium Systems Test Assembly, Los Alamos, NM 87545.
Type of business or sector	Research
Dates	1/08/1991 – 31/03/1994
Occupation or position held	Graduate student researcher
Main activities and responsibilities	Development and application of advanced computational schemes for the efficient modeling, simulation, optimization and safety analysis of integrated chemical process systems resulting in Doctoral Dissertation. Application of this methodology to the investigation of the optimal design (principally with regard to public health and safety) for the fuel processing plant in currently under design Magnetic Fusion Reactors. Contribution to the design of the fuel cycle of ITER.
Name and address of employer	Fusion Environmental and Safety Group, University of California at Berkeley, Berkeley, CA 94720.
Type of business or sector	University
Dates	1/09/1990 – 31/07/1991
Occupation or position held	Researcher
Main activities and responsibilities	Modeling and automatic control scheme design of for the control of particulate emissions in cement kilns (funded by Lafarge-Coppee SA.).
Name and address of employer	Laboratoire de Genie et Informatique Chimiques, Ecole Centrale Paris, Chatenay-Malabry 92295, France.
Type of business or sector	University
Dates	15/08/1989 – 30/06/1990
Occupation or position held	Research Assistant
Main activities and responsibilities	Exploratory comparative study of the safety and environmental aspects of the fuel cycle for magnetic fusion reactors resulting in Master's Thesis
Name and address of employer	Fusion Environmental and Safety Group, University of California at Berkeley, Berkeley, CA 94720.
Type of business or sector	University
Dates	25/03/1989 – 14/07/1989
Occupation or position held	Researcher
Main activities and responsibilities	Development of a relativistic chemical database focused on supramolecular chemistry and application of information theory to the assessment of crystallographic data analysis algorithms.
Name and address of employer	Laboratoire de Physique, Centre Pharmaceutique, Universite de Paris XI, Chatenay-Malabry, France
Type of business or sector	University
Dates	1/06/1988 – 31/08/1988
Occupation or position held	Research Assistant
Main activities and responsibilities	Assessment of microwave spectroscopy techniques as a tool for on-line quality control of soy proteins.
Name and address of employer	R&D Dept. of AARHUS OLIEFABRIK S/A, Denmark
Type of business or sector	Industry
Dates	1/03/1988 – 30/04/1988
Occupation or position held	Research Assistant
Main activities and responsibilities	Computer simulation and molecular graphics of the inclusion of essential oil molecules into cyclodextrin and other organic hosts.
Name and address of employer	Laboratoire de Physique, Centre Pharmaceutique, Universite de Paris XI, Chatenay-Malabry, France

Type of business or sector | University

Dates | 1/09/1988 – 25/03/1989

Occupation or position held | Research Assistant

Main activities and responsibilities | Development of mathematical and computational tools for the design and analysis of sustainable biotechnologies for the production of bio-energy and high-added value products resulting in D.Eng. Thesis

Name and address of employer | Bio-resources Technology Group, Department of Chemical Engineering, National Technical University of Athens, Greece

Type of business or sector | University

Education and training

Dates | 1991 – 1994

Title of qualification awarded | PhD in Engineering

Principal subjects/occupational skills covered | Health and safety optimization of advanced fuel cycles. Environmental impact assessment of complex hazardous information, chemical process and energy systems, energy and environmental economics

Name and type of organisation providing education and training | University of California at Berkeley, Berkeley, CA, USA

Level in national or international classification | (44 Physical Sciences) Level 6, PhD

Dates | 1989 – 1990

Title of qualification awarded | MSc. In Energy and Resources

Principal subjects/occupational skills covered | Safety and risk assessment of energy, information and industrial technologies; natural resource and energy economics and environmental management policy, business administration

Name and type of organisation providing education and training | University of California at Berkeley, Berkeley, CA, USA

Level in national or international classification | (44 Physical Sciences) Level 6, MSc.

Dates | 1995 – 1998

Title of qualification awarded | M.Eng. In Chemical Engineering

Principal subjects/occupational skills covered | All the main modern subjects of Chemical Engineering: Analytical, Computational, Statistical, Organic, Inorganic, Physical, Theoretical, Experimental and Protein Chemistry, Process Engineering, Industrial Economics and Macroeconomics, Operations Research, Chemical plant design and optimisation.

Name and type of organisation providing education and training | National Technical University of Athens, Greece

Level in national or international classification | (44 Physical Sciences) Level 6, MSc.

Personal skills and competences

Mother tongue(s) | **Greek**

Other language(s) | **English, French, German, Spanish, Italian**

Self-assessment
European level ()*

Language

Language

		Understanding		Speaking		Writing	
		Listening	Reading	Spoken interaction	Spoken production		
EN	Excellent		Excellent		Excellent		Excellent
FR	Excellent		Excellent		Excellent		Excellent
D	Excellent		Excellent		Very good		Excellent
ES	Excellent		Excellent		Excellent		Excellent
I	Excellent		Excellent		Excellent		Excellent

(*) *Common European Framework of Reference for Languages*

Social skills and competences	Team spirit; Good ability to adapt to multicultural environments, gained through my 21 years of work experience in several countries. Good social communication skills; gained through my involvement in many inter-institutional and international research projects.
Organisational skills and competences	More than 15 years of management experience at the European Commission from head of sector to Institute strategy manager, Assistant to the Director General, action leader (with 40-strong teams). President of the grant holders (research fellows) association of the Joint Research Centre (1995).
Technical skills and competences	Good knowledge of analytical, spectroscopic and physical techniques. Knowledge of biochemical, organic, statistical and modelling. Applied toxicology, advanced epidemiology and risk assessment and management. Cost-benefit analysis, dynamic economic modelling.
Computer skills and competences	Main skills include long-time experience in structured and object-oriented programming. 20 years of programming experience in Fortran, Basic, C, C++, and meta-languages such as DYNAMO++, AcslXtreme, @Risk, Matlab, Simulink, MCSIM, ArcGIS; 7 years of experience in Unix, MS-DOS, and MS Windows environments.
Artistic skills and competences	Piano, saxophone, musical composition.
Other skills and competences	Specialist in safety in the chemical industry, professional education diploma, Department of Chemical Engineering, National Technical University of Athens, Greece
Driving licence	Greek driving license with European use with category of vehicle B. US driving license issued from the state of California.

Additional information

OTHER PROFESSIONAL ACTIVITIES

- 2011: Chair, Evaluation Committee of the Unit Peritox (Perinatality and Toxic Risks) of the University of Picardie Jules Vernes (Medical School), on behalf of the French Agency for the Evaluation of Research and of Higher Education Establishments.
- 2010 – to date: President of the Board of Directors, Aegean Energy Agency, Ios, Greece.
- 2010 – to date: Editor, Journal of Pharmacogenomics and Pharmacoproteomics, (Omics Publ. Group)
- 2006 – to date: Member of the Board of Directors of the Master's Programme on Toxicology, University of Pavia Medical School
- 2004 – to date: Member of the Scientific Committee on Chronic Risks, French National Institute for Industrial and Environmental Risk (INERIS)
- 2006: Programme evaluator, French National Research Programme on Sustainable Chemistry
- 2002 – to date: Member of the EU Health Security Committee
- 2004 – to date: Member of the EU Health and Environment Working Party
- 2004 – to date: Member of the European Commission Interservice Group on the Consumer Policy
- 2004 – to date: Associate Editor of the international journal Focus: Water, soil, air pollution (Wiley)
- 2000 – 2004: Representative of the European Commission to the International Energy Agency working group on hydrogen systems integration.
- 2002 – 2003: Secretary of the Commission expert group on chemical intermediates
- 2002 – 2004: Secretary of the JRC Scientific Committee
- 2003: Project evaluator for the research platform on advanced catalysis for sustainability of the Dutch government
- 2001 - 2002: Project evaluator for the Growth and Information Society Technologies programmes of FP5 RTD Programme in the EU
- 2001: Member of the evaluation and recruitment committee for specialized scientific staff in climate change research for the JRC
- 2004: Editor, Fresenius Environmental Bulletin (PSP Publ.)
- 1997 – to date: Reviewer for: Journal of Hazardous Materials, Fresenius Environmental Bulletin, CLEAN: Water, Air, Soil Quality, Environment International, Journal of Applied Remote Sensing, Journal of Modelling in Management, Journal of Environmental Management.

TEACHING EXPERIENCE

- 2006 – to date: Adjunct Professor at the M.Sc. Programme on Toxicology and Environmental Risk, University of Pavia Medical School
- 2005 – to date: Associate Professor of Environmental Engineering at the Aristotle University of Thessaloniki, with particular emphasis on waste management, environment and health and chemical risk assessment
- 2002: Invited Lecturer on information fusion for modeling spatial environmental phenomena, graduate programme on Geo-informatics, Department of Geography, University of the Aegean.
- 1998: Invited Lecturer on energy conservation and EU environment and energy policy, Interdepartmental graduate programme on Energy Engineering, Aristotle University of Thessaloniki.
- 1992: Invited Lecturer on thermodynamics of energy systems at the Department of Urban Studies and Planning, Massachusetts Institute of Technology.
- 1991: Graduate Student Instructor on interdisciplinary energy analysis at the Energy & Resources Group, University of California, Berkeley.
- 1990: Teaching Assistant on energy efficiency at the Physics Dept, University of California, Berkeley.

Additional information

MEMBERSHIP TO PROFESSIONAL SOCIETIES

1. President of the JRC grant holders association, 1995.
2. Mediterranean Scientific Association for Environmental Protection, since 1995, member of the Executive Board since 2003, secretary-general since 2005.
3. American Institute of Chemical Engineers, since 1993.
4. American Physical Society, since 1991.
5. European Federation of Chemical Engineers, since 1989.
6. Technical Chamber of Greece, since 1989.
7. American Association for the Advancement of Science, since 2000.
8. Air & Waste Management Association, since 2003.
9. International Society for Exposure Analysis, since 2005.
10. Society of Toxicology, since 2008.
11. International Society for Environmental Epidemiology, since 2009.

List of articles in peer-reviewed international journals

1. Sarigiannis, D.A., Hansen, U. Considering the cumulative risk of mixtures of chemicals – a challenge for policy makers, *Environmental Health* (2011) (in press)
2. Sarigiannis, D.A., Gotti, A., Karakitsios, S.P. Modeling complex pollutants and mixtures, *Environmental Health* (2011) (submitted)
3. Sarigiannis, D.A., Karakitsios, S.P., Liakos, I.L., Katsoyiannis, A. Exposure to major volatile organic compounds and carbonyls in European indoor environments and associated health risk, *Environment International* (2011) (in press)
4. Kassomenos, P., Papaloukas, C., Petrakis, M., Sarigiannis, D.A., Karakitsios, S. Identifying the contribution of physical and chemical stressors to the daily hospital admission rate implementing an artificial neural network model, *Air Quality, Atmosphere and Health*, Elsevier (2011) (in press)
5. Coccini, T., Roda, E., Sarigiannis, D.A., Manzo, L. Molecular markers to assess health effects of environmental contaminants. Methylmercury and polychlorinated biphenyls developmental co-exposure as an example of translational research, *Fresenius Environmental Bulletin*, Parlar Scientific Publications (2010) (in press)
6. Schaefer, K., Emeis, S., Schrader, S., Harbusch, A., Jahn, C., Hoffmann, M., Torok, S., Alfoldy, B., Peicu, G., Pitz, M., Im, U., Muenkel, C., Cyrus, J., Peters, A., Sarigiannis, D., Suppan, P. Assessment of air quality in Munich and Augsburg from ground-based and satellite particle measurements, *Meteorologische Zeitschrift* (2011) (in press)
7. Karakitsios, S.P., Sarigiannis, D., Gotti, A., Kassomenos, P.A., Pilidis, G.A. A “full chain” approach for assessing public health risk due to benzene exposure, *Journal of Exposure Science and Environmental Epidemiology* (2011) (submitted)
8. Karakitsios, S.P., Sarigiannis, D.A., Gotti, A., Kassomenos, P.A., Delis, V.K., Pilidis, G.A. Assessing health risks of benzene exposure due to the operation of gasoline stations, implementing a physiologically-based pharmacokinetic model, *Environmental Health* (2010) (submitted)
9. Sarigiannis, D.A., Vliamos, S.J. The impact of technological innovation on making markets protect the environment, *Journal of Economic Analysis* (2011) (in press)
10. Coccini, T., Roda, E., Sarigiannis, D.A., Manzo, L. Assessing health effects of environmental contaminants by molecular markers. Studies on methylmercury and polychlorinated biphenyls as examples of translational research in environmental toxicology, *Giornale Italiano Di Medicina Del Lavoro Ed Ergonomia* (2010); 32:1, 5-12.
11. Pistocchi, A., Sarigiannis, D.A., Vizcaino, P. Spatially explicit multimedia fate models for pollutants in Europe: state of the art and perspectives, *Science of the Total Environment* (2010) 408(18): 3817-3830.

12. Coccini, T., Roda, E., Sarigiannis, D.A., Mustarelli, P., Quartarone, E., Profumo, A., Manzo, L. Effects of water-soluble functionalized multi-walled carbon nanotubes examined by different cytotoxicity methods in human astrocyte D384 and lung A549 cells, *Toxicology*, Elsevier (2010) 269(1): 41-53.
13. Coccini, T., Roda, E., Sarigiannis, D.A., Mustarelli, P., Profumo, A., Manzo, L. The degree of functionalization affects in vitro cytotoxicity of multi-walled carbon nanotubes (CNTs), *Toxicology Letters* (2009) 189 (S1): S183-S184.
14. Sarigiannis, D., Fantke, P., Tiruchittampalam, B., Kummer, U., Gotti, A., Travnikov, O., Bierkens, J., Torfs, R., Camilleri, F. Health impact assessment of arsenic in the environment and the food chain in Europe, *Epidemiology* (2009) 20 (6): S87-S88.
15. Sarigiannis, D., Karakitsios, S., Gotti, A. Mechanistic full chain approach for ETS carcinogenicity impact assessment in the EU, *Epidemiology* (2009) 20(6): S88.
16. Karakitsios, S.P., Kassomenos, P.A., Sarigiannis, D.A., Pilidis, G.A. Exposure modeling of benzene exploiting passive-active sampling data, *Environmental Modeling and Assessment* (2009) doi: 10.1007/s10666-009-9206-6
17. Sarigiannis, D., Gotti, A., Cimino Reale, G. and Marafante, E. Reflections on new directions for risk assessment of environmental chemical mixtures, *Int. J. Risk Assessment and Management*, (2009) 13(3/4): 216–241.
18. Liakos, I.L., Sarigiannis, D., Gotti, A. PBDEs and PCBs in European occupational environments and their health effects, *WIT Transactions on Ecology and the Environment*, (2009) 123: 365-374.
19. Sarigiannis, D. Toxicogenomics and biology-based modeling framework for health risk assessment, *Human & Experimental Toxicology* (2009) 28: 139-141.
20. Vardoulakis, S., Hanninen, O., Sarigiannis, D.A. Exposure to air pollution and effects on human health, *WHO Newsletter*, 43: 12-16 (2009)
21. Karabelas, A.J., Plakas, K.V., Solomou, E.S., Drossou, V., Sarigiannis, D.A. Impact of European legislation on marketed pesticides – a view from the standpoint of health impact assessment studies, *Environment International* (2009) 35(7): 1096-1107
22. Sarigiannis, D.A., Gotti, A. Dynamic risk assessment of pollution disasters, *Fresenius Environmental Bulletin* 18 (6): 928-934 (2009)
23. Kotzias, D., Geiss, O., Tirendi, S., Barrero-Moreno, J., Reina, V., Gotti, A., Cimino-Reale, G., Casati, B., Marafante, E., Sarigiannis, D. Exposure to multiple air contaminants in public buildings, schools and kindergartens – the European indoor air monitoring and exposure assessment (AIRMEX) study, *Fresenius Environmental Bulletin* 18 (5A): 670-681 (2009).

24. Sarigiannis, D.A., Karakitsios, S.P., Gotti, A., Papaloukas, C.L., Kassomenos, P.A., Pilidis, G.A. Bayesian Algorithm Implementation in a Real Time Exposure Assessment Model on Benzene with Calculation of Associated Cancer Risks, *Sensors* (2009), 9(2): 731-755
25. Sarigiannis, D., Cimino Reale, G., Marafante, E., Collotta, A. Gene expression-based biomarkers of air pollution mixtures. *Epidemiology* 19(6) Suppl.:S355 (2008).
26. Sarigiannis, D.; Liakos, I; Katsogiannis, A; Gotti, A; Barrero-Moreno, J; Kotzias, D. Exposure characterization and health risk of volatile organic chemicals in the indoor air in Europe. *Epidemiology* 19(6) Suppl.:S355-356 (2008).
27. Karakitsios, S., Sarigiannis, D., Gotti, A., Kassomenos, P., Pilidis, G. An integrated exposure and risk model for benzene in the ambient air. *Epidemiology* 19(6) Suppl.:S356 (2008).
28. Zscheppang, A., Manes, F., La Torre, G., Boccia, A., Trueman, S., Sarigiannis, D., Pavlos, K., Artíñano, B., Perrino, C., Patier, R.F., Rigby, M., Jankovic, S., Kirch, W. Methodology for measuring environmental health within Europe. Health Risk from Environmental Pollution Levels in Urban Systems (HEREPLUS). *Italian Journal of Public Health* 5(4): 284-287 (2008).
29. Coccini, T., Castoldi, A.F., Roda, E., Sarigiannis, D., Manzo, L. Study of polychlorinated biphenyls as potential modifiers of developmental neurotoxicity of methylmercury. *Fresenius Environmental Bulletin* 17 (9B): 1432-1438 (2008).
30. Solomou, E., Sarigiannis, D., Karabelas, A., Mousiou, V., Tsikardani, L., Amanatidou, E. Estimation of emissions and local emission factors in the region of Western Macedonia, Greece. *Fresenius Environmental Bulletin* 17 (10B): 1725-1735 (2008)
31. Sarigiannis, D.A., Gotti, A. Biology-based dose-response models for health risk assessment of chemical mixtures. *Fresenius Environmental Bulletin* 17 (9B): 1439-1451 (2008)
32. Cimino Reale, G., Collotta, A., Sarigiannis, D., Marafante, E. Toxicogenomic study of indoor and outdoor air chemical mixtures. *Fresenius Environmental Bulletin* 17 (9B): 1485-1491 (2008)
33. Sarigiannis, D.A., Saisana, M. Multi-objective optimization of air quality monitoring. *Environmental Monitoring and Assessment* 136 (1-3), (2008) pp. 87-99
34. Manzo, L., Castoldi, A.F., Coccini, T., Lonla, E., Marafante, E., Sarigiannis, D.A. Contaminants alimentaires et pathologies neurotoxiques. *Revue Neurologique* 164(4:S1) pp. 246 (2007).
35. Sarigiannis, D.A., Gotti, A. Reducing Uncertainty in Estimating Complex Exposure for Integrated Health Risk Assessment. *Epidemiology* 17(6) Suppl:S153 (2006).

36. Sarigiannis, D A., Gotti, A., Soulakellis, N. Information Fusion for Computational Assessment of Air Quality and Health Effects. *Epidemiology* 17(6) Suppl.:S112 (2006).
37. D.A. Sarigiannis, N.A. Soulakellis, N.I. Sifakis, Information fusion for computational assessment of air quality and health effects, *Photogrammetric Eng & Remote Sensing* Vol. 70, No. 2, February 2004, pp. 235–245 (2004).
38. Soulakellis, N.A., Sifakis, N.I., Tombrou, M., Sarigiannis, D., Schäfer, K. Estimation and mapping of aerosol optical thickness over the city of Brescia - Italy using diachronic and multiangle SPOT 1, SPOT 2 and SPOT 4 imagery. *Geocarto International* 19 (4), (2004) pp. 57-66
39. Sarigiannis, D., Lahaniatis, M. Ecotoxicology and environmental safety. *Fresenius Environmental Bulletin* 13 (12 A), (2004) pp. 1367
40. A. Dandou, E. Bosioli, M. Tombrou, N. Sifakis, D. Paronis, N. Soulakellis, D. Sarigiannis. The importance of mixing height in characterising pollution levels from aerosol optical thickness derived by satellite, *Water, Air and Soil Pollution: Focus* Vol. 2(5): 17-28 (2002)
41. D. Sarigiannis, Integrated environment and health protection: implementation of the precautionary principle, *Fresenius Environmental Bulletin*, vol. 11; No 10a: 750-756 (2002)
42. D. Sarigiannis, N. Soulakellis, K. Schäfer, M. Tombrou, N. Sifakis, D. Assimakopoulos, M. Lointier, E. Bossioli, A. Dantou, M. Saisana, ICAROS: An integrated computational environment for the assimilation of environmental data and models for urban and regional air quality, *Water, Air and Soil Pollution: Focus* Vol. 2(5): 641-654 (2002)
43. Schäfer, K., Fömmel, G., Hoffmann, H., Briz, S., Junkermann, W., Emeis, S., Jahn, C., Leipold, S., Sedlmaier, A., Soulakellis, N., Sifakis, N., Sarigiannis, D.: Three-Dimensional Ground-Based Measurements of Urban Air Quality to Evaluate Satellite Derived Interpretations for Urban Air Pollution, *Water, Air and Soil Pollution: Focus* 2(5): 91-102 (2002)
44. D.A. Sarigiannis, G. Triacchini, Meso-scale life cycle impact assessment of novel technology policies: the case of renewable energy, *Journal of Hazardous Materials*, Elsevier, Vol.78 (1-3): 145 – 171 (2000).
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