BIOGRAPHICAL SKETCH

NAME: Denis Sarigiannis

POSITION TITLE: Associate Professor

EDUCATION/TRAINING

INSTITUTION AND LOCATION	DEGREE	Completion Date MM/YYYY	FIELD OF STUDY
National Technical University of Athens, Greece	M.Eng.	6/1989	Chemical Engineering
University of California at Berkeley, CA, USA	M.Sc.	5/1990	Energy and Resources
University of California at Berkeley, CA, USA	Ph.D.	3/1994	Nuclear Engineering

A. Personal Statement

Professor Dimosthenis (Denis) Sarigiannis, PhD, is Director and President of the Board of the National Hellenic Research Foundation (Athens) and Professor of Environmental Engineering at Aristotle University of Thessaloniki, with a parallel appointment in Environmental Health Engineering at the University School for Advanced Studies of Pavia (IUSS). He has held senior European Commission Joint Research Centre leadership roles (including Scientific Coordinator at the Institute for Health and Consumer Protection, Research Director at the European Chemicals Bureau and Scientific Assistant to the JRC Director General), and a visiting professorship at the Medical School of the University of Paris, placing him at the nexus of frontier science and regulatory strategy.

He is internationally recognized as a pioneer of the exposome paradigm and "translational exposomics," linking external exposures to internal dose, molecular perturbation, and health risk. His methodological innovations integrate human biomonitoring with PBPK/PBK modelling, new approach methodologies (NAMs), multi-omics and advanced analytics, enabling calibrated, mechanistically grounded risk models. He provides platform-scale leadership in European research, including a leading role in the ~€400M Partnership for the Assessment of Risks from Chemicals (PARC) and core leadership across multiple Horizon initiatives (e.g., HEALS, NEUROSOME, URBANOME, ENVESOME and allied clusters). He is at the forefront of Safe-and-Sustainable-by-Design (SSbD), advancing decision-ready AI-enabled toolboxes that operationalise next-generation risk assessment for industrial innovators, regulators and societal stakeholders.

His professional service includes high-visibility editorial roles (e.g., Food and Chemical Toxicology; Frontiers in Public Health) alongside sustained participation in expert bodies and scientific consortia. His contributions have been recognized with major honours including the Bo Holmstedt Award from the European Societies of Toxicology (Eurotox) and the Bo Holmstedt Foundation, excellence prizes from Aristotle University of Thessaloniki, and distinctions for computational/mixtures risk assessment. He has worked on ~50 international projects (coordinator in 15), and authored/co-authored ~210 peer-reviewed journal papers, ~500 conference papers and 27 book chapters, underscoring his standing as a field-defining leader in environmental health sciences and toxicology (on the Stanford 2% top scientists worldwide list since 2018).

B. Positions and Honors

Positions and Employment

(Complete the following table. Begin with older positions. Add/delete rows as necessary.)

date1- date2	*Position*
2023-to date	*Director and President of the Board, National Hellenic Research Foundation, Athens, Greece*
2018-to date	*Professor of Environmental Engineering, School of Chemical Engineering, Aristotle University of Thessaloniki*
2010-2018	*Associate Professor of Environmental Engineering, School of Chemical Engineering, Aristotle University of Thessaloniki*
2015-to date	*Associate Professor of Environmental Health Engineering, Institute for*

	Advanced Study of Pavia, Italy
2009-2010	*Scientific Coordinator at the Institute for Health and Consumer Protection (IHCP) of the European Commission's Joint Research Centre, and Research Director for Consumer Products and Nutrition*
2008-2009	*Research Director, Consumer Product Safety and Quality and European Reference Laboratory for Food Contact Materials, Physical and Chemical Exposure Unit, Institute for Health and Consumer Protection, Joint Research Centre, European Commission– Ispra (VA), Italy*
2005-2007	*Research Director, Human Exposure to Environmental Stressors and Health Effects, Physical and Chemical Exposure Unit, Institute for Health and Consumer Protection, Joint Research Centre, European Commission– Ispra (VA), Italy*
2004-2005	*Research Director, Assessment of Chemicals/European Chemicals Bureau, Institute for Health and Consumer Protection, Joint Research Centre, European Commission– Ispra (VA), Italy*
2001-2004	*Assistant to the Joint Research Centre Director General, responsible for scientific affairs, Joint Research Centre, European Commission, Brussels*
2000-2001	*Strategy Manager, Institute for Health and Consumer Protection, Joint Research Centre, European Commission– Ispra (VA), Italy*
2000-2001	*Scientific advisor to the Minister of the Environment, Ministry of the Environment, Spatial Planning and Public Works, Hellenic Government, Athens, Greece*
1997-2000	*Head of sector, Risk Management and Decision Support Unit, Institute for Systems, Informatics and Safety, Joint Research Centre, European Commission – Ispra (VA), Italy.*
1996-1997	*Auxiliary scientific officer, Industry and Environment Unit, Institute for Systems, Informatics and Safety, Joint Research Centre, European Commission – Ispra (VA), Italy*
1994-1996	*Post-doctoral fellow, Industry and Environment Unit, Institute for Systems, Informatics and Safety, Joint Research Centre, European Commission – Ispra (VA), Italy*
1992-1992	*Visiting scientist, Los Alamos National Laboratory, Tritium Systems Test Assembly, Los Alamos*
1991-1994	*Graduate student researcher, University of California at Berkeley, CA, USA*
1990-1991	*Researcher, Laboratoire de Genie et Informatique Chimiques, Ecole Centrale Paris, France.*
1989-1990	*Research Assistant, Fusion Environmental and Safety Group, University of California at Berkeley, Berkeley.*
1989-1989	*Research Assistant, Laboratoire de Physique, Centre Pharmaceutique, Universite de Paris XI, France.*
1988-1988	*Research Assistant, R&D Dept. of AARHUS OLIEFABRIK S/A, Denmark.*
1988-1988	*Research Assistant, Laboratoire de Physique, Centre Pharmaceutique, Universite de Paris XI, France.*
1988-1989	*Research Assistant, Bio-resources Technology Group, Department of Chemical Engineering, National Technical University of Athens, Greece.*
1991-1994	*Ph.D. student, University of California at Berkeley, Berkeley, CA, USA.*

Honors

(Complete the following table, Add/delete rows if necessary.)

date1	*honour*
2022	*Best Poster Award: 13th Panhellenic Conference of Chemical Engineering, Patra, Greece, June 2–4, 2022. Award for the poster authored by V. Kokaraki, S. Karakitsios, D. Sarigiannis, titled "Toxicokinetic interactions of industrial chemical mixtures as internal exposure modifiers."*
2017	*Excellence Prize: European Chemical Industry Council (CEFIC) in 2017 with the CEFIC-LRI - Long Range Research Initiative Award related to the assessment of risks from chemical mixtures in relation to neurodevelopmental disorders and ASD.*
2017	*Excellence Prize: Aristotle University of Thessaloniki, January 31, 2017. Award for international scientific recognition of toxicological contributions to the safety of chemicals and drugs.*
2016	*Excellence prize: Aristotle University of Thessaloniki, in Thessaloniki, March 31, 2016. Award for the highest received amount of Funding from competitive European Commission funded Projects for the years 2014-2015 among all members of the AUTH academic community (2500 Professors).*
2015	*Bo Holmstedt Award: the Federation of European Toxicologists and European Societies of Toxicology and the Bo Holmstedt Foundation awarded me with the prestigious Bo Holmstedt prize for the toxicological contribution to the safety of chemicals and pharmaceuticals and more in particular the contribution on the development, application and integration of the exposome concept in toxicology. 14 September 2015, in Porto, Portugal.*
2011	*Excellence prize: Aristotle University of Thessaloniki, in Thessaloniki, September 21, 2011. For receiving award on the 50th Anniversary Annual Meeting and ToxExpo (Society of Toxicology) conference, from the Department of Mixtures toxicology. Presentation titled "A computational framework for cumulative risk assessment".*

Patents

Application date	*Application Number*

Reviewer Experience

(List the journals where you have acted as reviewer.)

1997 – to date: *Journal of Hazardous Materials, Fresenius Environmental Bulletin, CLEAN: Water, Air, Soil Quality, Environment International, Journal of Applied Remote Sensing, Journal of Hazardous Materials, Environmental Research, Food and Chemical Toxicology, Toxicology, Toxicology Letters, Toxicology Reports, Science of the Total Environment, Atmospheric Environment, Journal of Environmental Management, Journal of Air Pollution, Journal of Exposure Science and Environmental Epidemiology, Frontiers*

C. Contributions to Science

I helped pioneer **translational exposomics** by quantitatively linking **external exposure → internal dose → molecular perturbation → health risk** across the life course. I integrated **human biomonitoring**, **PBPK/PBK modelling**, **new approach methodologies (NAMs)**, and **multi-omics analytics** to move beyond exposure proxies toward calibrated, individual-level risk models. I advanced mechanistically grounded understanding of **complex chemical mixtures** by coupling **biology-based modelling** with **toxicogenomics discovery systems**. I created integrated computational platforms (e.g., **INTEGRA**) that fuse **environmental fate**, **exposure**, and **internal dosimetry** with toxicity metrics in a dynamic,

time-resolved framework. In this context, I developed and applied next-generation approaches for **cumulative and mixture risk assessment**, including PBPK-anchored quantification and multi-omics workflows for mixture interpretation. I delivered decision-ready exposure–risk characterizations for priority chemicals (e.g., **bisphenol A**) and emerging concerns (e.g., **PFAS/PFOA**), supporting prevention and regulation.

Over the years I operationalized **Safe-and-Sustainable-by-Design (SSbD)** through a computational **"toolbox"** and **SSbD Wizard** that guides innovators from early R&D to deployment. By translating exposome and NAM evidence upstream, I helped make **prevention "through design"** actionable—reducing population exposure before it occurs. I contributed to EU chemical safety governance at the scientific core of **REACH** development and early implementation through senior roles at the **European Commission JRC** and the **European Chemicals Bureau**. In these roles, I led large multidisciplinary teams and programs supporting **REACH**, **GHS/CLP implementation**, and the **EU Environment and Health Action Plan**. I strengthened the bridge between **exposome methods and population genetics**, enabling improved **gene–environment inference** and risk stratification aligned with **GWAS/PRS** frameworks. I helped translate exposome science to **cancer control** by combining internal dosimetry and pathway-level readouts with multi-omics signatures for risk prediction and early detection strategies.

I have led and convened multinational consortia, including major roles in **PARC** and multiple EU Horizon exposome and health initiatives advancing next-generation risk assessment. I built durable research infrastructures—**ENVE Lab** and the **Complex Risk and Data Analysis** center—that couple methods, data, and training for international collaboration. I have contributed to **50 international research projects**, coordinating **15**, to scale integrated exposure science, systems toxicology, and decision support. My scholarly output (≈**210** peer-reviewed journal papers, ≈**500** conference papers, and chapters in **27** books) has helped shape environmental health, exposure science, and computational toxicology. I advanced interoperability and reuse of methods and data (e.g., **FAIR-enabled approaches**) to make SSbD and next-generation risk assessment operational in practice. I have reinforced scientific standards through sustained editorial and professional service, including **Executive/Associate Editor** responsibilities for **Food and Chemical Toxicology**.

Overall, my contributions combine **methodological innovation**, **platform-scale leadership**, and **science-to-policy translation** to accelerate evidence-based prevention and personalized environmental health.

Most significant publications over the last 10 years:

1. **Sarigiannis, D**., Karakitsios, S., Anesti, O., Stem, A., Valvi, D., Sumner, S. C. J., Chatzi, L., Snyder, M. P., Thompson, D. C., & Vasiliou, V. (2025). Advancing translational exposomics: bridging genome, exposome and personalized medicine. Human Genomics, 19(1), 48.
2. Karakoltzidis, A., Agalliadou, A., Kermenidou, M., Nikiforou, F., Chatzimpaloglou, A., Feleki, E., Karakitsios, S., Gotti, A., & **Sarigiannis, D. A**. (2025). Agent-based modelling: A stochastic approach to assessing personal exposure to environmental pollutants – Insights from the URBANOME project. Science of The Total Environment, 967, 178804.
3. Niarchos, G., N. Alygizakis, M. Carere, V. Dulio, M. Engwall, T. Hyötyläinen, R. Kallenborn, S. Karakitsios, A. Karakoltzidis, A. Kärrman, M. Lamoree, M. Larsson, J. Lundqvist, L. Mancini, J. Mottaghipisheh, P. Rostkowski, D. Sarigiannis, K. Vorkamp, and L. Ahrens, Pioneering an effect-based early warning system for hazardous chemicals in the environment. TrAC Trends in Analytical Chemistry, 2024. 180: p. 117901.
4. Karakoltzidis A, Karakitsios SP, Gabriel C, Sarigiannis DA. (2025). Integrated PBPK modelling for PFOA exposure and risk assessment. Environmental Research 282: 121947.
5. Paparidis, G., Akrivou, M., Psomas, G., Vizirianakis, I.S., Hatzidimitriou, A., Gabriel, C., **Sarigiannis, D**., Papagiannopoulou, D. Novel Tricarbonylrhenium-Anthrapyrazole Complexes with DNA-Binding and Antitumor Properties: In Vitro and In Vivo Pharmacokinetic Studies with 99mTc-Analogue. Inorganics 2024, 12, 254.
6. Marx-Stoelting, P., Rivière, G., Luijten, M., Aiello-Holden, K., Bandow, K., Baken, K., Cañas, A., Castano, A., Denys, S., Fillol, C., Herzler, M., Iavicoli, I., Karakitsios, S., Klanova, J., Kolossa-Gehring, M., Koutsodimou, A., Lobo Vicente, J., Lynch, I., Namorado, S., Norager, S., Pittman, A., Rotter, S., **Sarigiannis, D**., Silva, M.J., Theunis, J., Tralau, T., Uhl, M., van Klaveren, J., Wendt-Rasch, L., Westerholm, E., Rousselle C., Sanders, P. (2023). A walk in the PARC: developing and implementing 21st century chemical risk assessment in Europe. Archives of Toxicology, 97:893–908.

7. Leso, V., T. Rydberg, M. Halling, S. Karakitsios, F. Nikiforou, A. Karakoltzidis, **D.A. Sarigiannis**, and I. Iavicoli, Safety and sustainability by design: An explorative survey on concepts' knowledge and application. Environmental Science & Policy, 2024. 162: p. 103909.
8. Anesti O., Papaioannou N., Gabrie C., Dzhedzheia V., Petridis I., Dickinson M., Horvat M., Snoj Tratnik J., Tsatsakis A., Karakitsios S., **Sarigiannis D.A**. An exposome connectivity paradigm for the mechanistic assessment of the effects of prenatal and early life exposure to metals on neurodevelopment. Frontiers in Public Health (2023), 10, 871218.
9. van der Schyff, V., J. Kalina, E. Govarts, L. Gilles, G. Schoeters, A. Castaño, M. Esteban-López, J. Kohoutek, P. Kukučka, A. Covaci, G. Koppen, L. Andrýsková, P. Piler, J. Klánová, T.K. Jensen, L. Rambaud, M. Riou, M. Lamoree, M. Kolossa-Gehring, N. Vogel, T. Weber, T. Göen, C. Gabriel, **D.A. Sarigiannis**, A.K. Sakhi, L.S. Haug, L.P. Murinova, L. Fabelova, J.S. Tratnik, D. Mazej, L. Melymuk (2023). Exposure to flame retardants in European children — Results from the HBM4EU aligned studies. International Journal of Hygiene and Environmental Health, 247: p. 114070.
10. Barouki, R., Audouze, K., Becker, C., Blaha, L., Coumoul, X., Karakitsios, S., Klanova, J., Miller, G. W., Price, E. J., **Sarigiannis, D**. (2021) The Exposome and Toxicology: A Win–Win Collaboration. Toxicological Sciences https://doi.org/10.1093/toxsci/kfab149.
11. Papaioannou, N., Distel, E., Oliveira, E., Gabriel, C., Frydas I., Anesti, O., Attignon, E., Aggerbeck, M., Horvat, M., Barouki, R., Sarigiannis, D., **Karakitsios, S**. Multi-omics analysis reveals that co-exposure to phthalates and metals disturbs urea cycle and choline metabolism. Environmental Research (2021) 192, 110041.
12. Sarigiannis, D., Papaioannou, N., Handakas, E., Anesti, O., Polanska, K., Hanke, W., Salifoglou, A, Gabriel, C., **Karakitsios, S**. Neurodevelopmental exposome: the effect of in utero co-exposure to heavy metals and phthalates on child neurodevelopment. Environmental Research (2021) 197, 110949.
13. Barouki, R., Kogevinas, M., Audouze, K., Belesova, K., Bergman, A., Birnbaum, L., Boekhold, S., Denys, S., Desseille, C., Drakvik, E., Frumkin, H., Garric, J., Destoumieux-Garzon, D., Haines, A., Huss, A., Jensen, G., **Karakitsios, S**., Klanova, J., Koskela, I. M., Laden, F., Marano, F., Franziska Matthies-Wiesler, E., Morris, G., Nowacki, J., Paloniemi, R., Pearce, N., Peters, A., Rekola, A., Sarigiannis, D., Šebková, K., Slama, R., Staatsen, B., Tonne, C., Vermeulen, R., Vineis, P. The COVID-19 pandemic and global environmental change: Emerging research needs. Environ Int (2020) 146, 106272.
14. **Sarigiannis, D.A**., Karakitsios, S.P., Handakas, E., Gotti, A. Development of a generic lifelong physiologically based biokinetic model for exposome studies. Environmental Research (2020) 185, doi.org/10.1016/j.envres.2020.109307.
15. **Sarigiannis, D**. Assessing the impact of hazardous waste on children's health: the exposome paradigm. Environmental Research 158 (2017): 531-541.
16. Manrai, A.K., Cui, Y., Bushel, P., Hall, M., Karakitsios, S., Mattingly, C.J., Ritchie, M., Schmitt, C., **Sarigiannis, D.A**., Thomas, D., Wishart, D., Balshaw, D.M., Patel, C.J. Informatics and data analytics to support exposome-based discovery for public health, Annual Review of Public Health (2017) 38:279-294
17. **Sarigiannis, D.A**., Karakitsios, S., Handakas, E., Simou, K., Solomou, E., Gotti, A. Integrated exposure and risk characterization of bisphenol-A in Europe, Food and Chemical Toxicology (2016) 98 134-147.
18. **Sarigiannis, D.A**. and Salifoglou, A. Research directives toward deciphering adverse outcome pathways induced by environmental metallotoxins (2016) Current Opinion in Chemical Engineering 13, 161-169
19. **Sarigiannis, D.A**., Kermenidou, M., Nikolaki, S., Zikopoulos, D., Karakitsios, S.P. Mortality and morbidity attributed to aerosol and gaseous emissions from biomass use for space heating, Aerosol and Air Quality Research (2015) 15: 2496–2507
20. **Sarigiannis, D.A**., Karakitsios, S.P., Kermenidou, M. Health impact and monetary cost of exposure to particulate matter emitted from biomass burning in large cities, Science of the Total Environment (2015) 524-525: 319-330
21. **Sarigiannis, D.A**., Karakitsios, S.P., Zikopoulos, D., Nikolaki, S., Kermenidou, M. Lung cancer risk from PAHs emitted from biomass combustion. Environmental Research (2015) 137: 147-156.
22. **Sarigiannis, D**. Exposome science for public health protection and innovation (2015). Toxicology Letters. 238, S12-S13.

D. Past and Ongoing Research Support

(Complete the following table with the list of your projects, Add/delete rows if necessary.)

From …. To ….	Project Title	Funding Agency	Role in the project
From 2025 To 2029	MALDIBANK - Multi-domain Open MALDI Spectra Archive for Identification of Microorganisms	HORIZON EUROPE (Budget: 300,000 €)	PI
From 2024 To 2028	JANE-2 - Joint Action on Networks of Expertise on Cancer-2	EU4Health Programme (Budget: 40,471,453 €)	PI
From 2024 To 2028	ENVESOME - The Environmental Exposome And Health	HORIZON (Budget: 7,999,798 €)	**Coordinator** and PI
From 2022 To 2029	PARC - Partnership for Risk Assessment	HORIZON EUROPE (Budget: 400,000,000 €)	Leader of WP8 (Concepts and tools), responsible for the PARC SSbD Toolbox development, and **Coordinator** of the Greek National Hub
From 2024 To 2027	AURORA - Demonstrating trAnsformative solUtions to empower climate Resilience tOwards impRoved public health stAtus in the EU Boreal Region	HORIZON (Budget: 6,099,870 €)	PI
From 2025 To 2028	BioPackMan - Biodegradable Packaging Materials Advancing Circularity, Sustainability & Eco-Innovation	HORIZON (Budget: 6,099,870 €)	PI
From 2025 To 2026	BioUP - Sustainable Biomethane Upgrading Processes	Recovery and Resilience Fund “Greece 2.0” (Budget: 1,200,000 €)	PI
From 2024 To 2026	IHEN - International Human Exposome Network Project	HORIZON (Budget: 2,999,957 €)	PI
From 2024 To 2027	INSIGHT - Integrated Models for the Development and Assessment of High Impact Chemicals and Materials	HORIZON EUROPE (Budget: 4,130,318 €)	PI
From 2024 To 2026	EIRENE - Environmental Exposure Assessment Research Infrastructure Preparatory Phase Project	HORIZON EUROPE (Budget: 2,945,449 €)	PI

From 2022 To 2026	RAISE - Research Analysis Identifier SystEm	HORIZON EUROPE (Budget: 5,050,625 €)	PI
From 2022 To 2024	ECO-54 - Developing a tiered modeling framework in support of risk assessment of chemical substances associated with mobility concerns	CEFIC-LRI (Budget: 300,000 €)	PI
From 2021 To 2025	URBANOME - Urban observatory for multi-participatory enhancement of health and wellbeing	HORIZON 2020 (Budget: 4,974,015 €)	**Coordinator** and PI
From 2019 To 2021	HERA – Health Environment Research Agenda	HORIZON 2020 (Budget 2,500,000 €)	PI
From 2017 To 2021	OBERON - An integrative strategy of testing systems for identification of EDs related to metabolic disorders	HORIZON 2020 (Budget 6,500,000 €)	PI
From 2017 To 2021	NEUROSOME - Exploring the neurological exposome	Marie Sklodowska-Curie Innovative Training Networks (Budget 3,493,845€)	**Coordinator** and PI
From 2018 To 2020	DOREMI - DOse Response of MIxtures	CEFIC LRI (Budget 350,000 €)	**Coordinator** and PI
From 2016 To 2021	HBM4EU - Human Biomonitoring Initiative	Horizon 2020 (Budget 70,000,000 €)	Leader of WP12 (From HBM to exposure) and Coordinator of the Greek National Hub
From 2016 To 2019	ICARUS - Integrated Climate forcing and Air pollution Reduction in Urban Systems	HORIZON 2020 (Budget: 6,472,015 €)	**Coordinator** and PI
From 2017 To 2018	GRIN - GReen INfrastructures for disaster risk reduction protection: evidence, policy instruments and marketability	DG ECHO (Budget: 681,153 €)	PI
From 2016 To 2020	BlueHealth - Linking Up Environment, Health and Climate for Inter-sector Health Promotion and Disease Prevention in a Rapidly Changing Environment	HORIZON 2020 (Budget: 5,998,671 €)	PI
From 2016 To 2017	PEC - Post-Emergency,	Civil Protection	PI

	multi-hazard health risk assessment in Chemical Disasters	mechanism of the EC - DG ECHO (Budget: 788,803 €)	
From 2013 To 2019	HEALS - Health and Environment-wide Associations based on Large population Surveys	7th FP - Large scale project (Budget: 14,866,648 €)	**Coordinator** and PI
From 2015 To 2016	ERNCIP – European Reference Network for Critical Infrastructure Protection	Thematic Group "Detection of Indoor Airborne Chemical-Biological Agents" / Joint Research Center – European Commission (Budget: 1,800,000€)	**Coordinator** and PI
From 2013 To 2017	CROME - Cross-Mediterranean Environment and Health Network	LIFE+ European Commission/DG Environment (Budget: 1,760,190 €)	**Coordinator** and PI
From 2012 To 2015	INTEGRA - Integrated External and Internal Exposure Modelling Platform	CEFIC-LRI (Budget: 300,000 €)	**Coordinator** and PI
From 2007 To 2013	CheRRIE - Chemical and Radiological Risk in the Indoor Environment	European Territorial Cooperation Programme Greece- Bulgaria 2007-2013 INTERREG IV (Budget: 1,420,569 €)	**Coordinator** and PI
	ICSHNet - Industrially Contaminated Sites and Health Network	(Budget 1,500,000 €)	PI (member of the Management Committee)
From 2011 To 2014	URGENCHE - Urban Reduction of GHG Emissions in China and Europe	7th FP - Large scale project (Budget: 4,652,549 €)	PI
From 2010 To 2011	TAGS - Tiered Aggregate Exposure assessment of Chemical Substances	CEFIC-LRI (Budget: 400,000 €)	**Coordinator** and PI
From 2010 To 2012	INTERA - Integrated Exposure for Risk Assessment in Indoor Environments	CEFIC-LRI (Budget: 400,000 €)	**Coordinator** and PI
From 2008 To 2011	GENESIS – GENeric European Sustainable Information Space for Environment	7th FP (Large Scale Project) (Budget: €5,000,000)	PI
From 2008 To 2011	HEREPLUS – Health Risk of Environmental Pollution Levels in Urban Systems	7th FP (Concerted Action) (Budget: €2,000,000)	PI and **Scientific Coordinator**
From 2010 To 2014	TRANSPHORM –	7th FP (Large Scale	PI

	Transport Related Air Pollution and Health Impacts	Project) (Budget: €8,696,697)	
From 2007 To 2009	CAIR4HEALTH – Clean Air for Health	6th FP (Scientific Support Action) (Budget: €1,000,000)	PI
From 2007 To 2011	HEIMTSA – Health and Environment Integrated Methodology and Toolbox for Scenario Assessment	6th FP (Integrated Project) (Budget: €5,000,000)	PI
From 2007 To 2011	2-FUN – Full-chain and UNcertainty Approaches for Assessing Health Risks in Future Environmental Scenarios	6th FP (Integrated Project) (Budget: €3,000,000)	PI
From 2006 To 2010	NO MIRACLE – NOvel Methods for Integrated Risk Assessment of CumuLative Stressors in Europe	6th FP (Integrated Project) (Budget: €6,000,000)	PI
From 2006 To 2010	HENVINET – Health and Environment Network	6th FP Thematic Network (Budget: €2,000,000)	PI
From 2005 To 2009	SMAQ – Satellite-assisted Management of Air Quality	LIFE–Environment Programme (Budget: €2,000,000)	**Coordinator** and PI
From 1998 To 2000	ICAROS – Integrated Computational Assessment of Air Quality via Remote Observation System	(Budget: €850,000)	**Coordinator** and PI
From 2001 To 2004	ICAROS NET – Integrated Computational Assessment of Air Quality via Remote Observations Network	(Budget: €2,000,000)	**Coordinator** and PI
From 1999 To 2001	PRQA – Regional Plan for Air Quality in Lombardy	(Budget: €90,000)	PI
	INSPIRE – Integrated Spatial Potential of Renewable Energy in Europe	(Budget: €850,000)	PI
	AMOEBA – Atlas of European Biomass to Energy Activities	(Budget: €500,000)	PI
	AD-NET – Anaerobic Digestion Network	(Budget: €400,000)	PI
	Flash Pyrcon –	(Budget: €800,000)	PI

	Integration of Biomass Pyrolytic Oils into Liquid Fuels/Chemicals Markets		
	BIOSTIR – Coupling Fast Pyrolysis of Biomass with Stirling Engine for CHP	(Budget: €300,000)	PI
	COMPLEXCITY – Urban Dynamics Modelling	(Budget: €125,000)	PI
	ADAGE – Decision Aid for Environmental Management		PI
	SIMAGE – Integrated System for Environmental Monitoring and Emergency Management	(Budget: €12,000,000)	PI
From 2000 To 2002	CRYOPLANE – Systems Study of Hydrogen Fuelled Aircraft	FP5-GROWTH (Budget: €4,500,000)	PI
	ARIS – Arctic Regional Intelligence System	(Budget: €140,000)	
	Safety and Environmental Aspects of Fusion Energy Critical assessment of the review of the possible methods for decomissioning and disposing of offshore oil and gas installations for DG Environment		

E. Experience as a research supervisor

- *1 postdoc at IUSS and 6 postdocs at Aristotle University of Thessaloniki*
- *5 PhD students at IUSS*
- *16 PhD students at Aristotle University of Thessaloniki*
- *60 undergraduates*