

Επίθετο: **Καρακίτσιος**  
Όνομα: **Σπύρος**  
Ημερομηνία γέννησης: 12-5-1975  
Τόπος γέννησης: Λάρισα  
Διεύθυνση εργασίας: Εθνικό Ίδρυμα Ερευνών  
Γραφείο Προέδρου/Ινστιτούτο Χημικής Βιολογίας (ΕΛΕ Α΄)  
Βασιλέως Κωνσταντίνου 48  
11635, Αθήνα



Κέντρο Διεπιστημονικής Έρευνας και Καινοτομίας του Αριστοτελείου Πανεπιστημίου Θεσσαλονίκης, στην Ερευνητική ομάδα Health and Exposome Research: Assessing Contributors to Lifetime Exposure and State of health (HERACLES) (από το 2015)

Εργαστήριο Περιβαλλοντικής Μηχανικής (EnvE Lab) / Τμήμα Χημικών Μηχανικών / Αριστοτέλειο Πανεπιστήμιο Θεσσαλονίκης (από το 2011)

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## ΕΚΤΕΛΕΣΤΙΚΗ ΣΥΝΟΨΗ

Η ερευνητική και εν γένει επιστημονική μου δραστηριότητα από τη λήψη του πτυχίου μου μέχρι σήμερα επικεντρώνεται στη μελέτη της αλληλεπίδρασης των περιβαλλοντικών παραγόντων (με έμφαση στα χημικά) με την ανθρώπινη υγείας. Αυτή έχει βασιστεί στην ανάλυση δεδομένων για την κατανόηση των βιοχημικών διεργασιών που σχετίζονται και ρυθμίζουν την αλληλεπίδραση περιβαλλοντικών και διατροφικών παραγόντων με γενετικούς παράγοντες, συνεισφέροντας στην πρόληψη ακριβείας. Η έρευνά μου επίσης θεραπεύει την εκτίμηση κινδύνου για την ανθρώπινη υγεία από χημικά και φαρμακευτικά προϊόντα, με στόχο τον ασφαλή και βιώσιμο σχεδιασμό τους συνεισφέροντας σημαντικά στην πραγμάτωση της νέας Ευρωπαϊκής Στρατηγικής για Χημικά που προωθούν τη Βιωσιμότητα. Η ερευνητική μου δραστηριότητα τα τελευταία 13 χρόνια αναπτύσσεται στο Κέντρο Διεπιστημονικής Έρευνας και Καινοτομίας του Αριστοτελείου Πανεπιστημίου Θεσσαλονίκης, στην Ερευνητική ομάδα Health and Exposome Research: Assessing Contributors to Lifetime Exposure and State of health (HERACLES) (από το 2015) και στο εργαστήριο Περιβαλλοντικής Μηχανικής του Τμήματος Χημικών Μηχανικών του ΑΠΘ, στα οποία είμαι ο εκτελεστικός manager υπό την διεύθυνση του καθ. Δ. Σαρηγιάννη, ενώ από τον Απρίλιο του 2024, είμαι ΕΛΕ Α΄ στο Εθνικό Ίδρυμα Ερευνών (Γραφείο Προέδρου / Ινστιτούτο Χημικής Βιολογίας).

## ΣΥΝΟΨΗ ΕΡΕΥΝΗΤΙΚΟΥ ΕΡΓΟΥ

### ΥΠΟΤΡΟΦΙΕΣ - ΔΙΑΚΡΙΣΕΙΣ

- ΙΔΡΥΜΑ ΚΡΑΤΙΚΩΝ ΥΠΟΤΡΟΦΙΩΝ (2001-2002) / Υποτροφία ως 1<sup>ος</sup> απόφοιτος της Σχολής (Βαθμός 8.5, Άριστα)
- Ε.Π.Ε.Α.Ε.Κ, (2003-2004) / Υποτροφία ως μεταπτυχιακός φοιτητής (Αποφοίτηση με βαθμό 9.33, Άριστα)
- EUROPEAN COMMISSION, JOINT RESEARCH CENTER, ISPRA ITALY (2007-2008) (Trainee)
- EUROPEAN COMMISSION, JOINT RESEARCH CENTER, ISPRA ITALY (2008-2011) (Post-Doc)
- **Winner of the CEFIC LRI Award 2017 – Dose response for chemical mixtures (100.000 € award)**

### ΔΗΜΟΣΙΕΥΜΕΝΟ ΕΡΓΟ

- 110 δημοσιεύσεις σε διεθνή περιοδικά
- 343 ανακοινώσεις σε διεθνή συνέδρια
- 7 Κεφάλαια σε βιβλία
- 1 Μεταπτυχιακή διατριβή
- 1 Διδακτορική διατριβή
- 1 Διπλωματική εργασία
- ✓ 4616 αναφορές (Google Scholar)
- ✓ h-index (Google scholar): 36
- ✓ i10-index (Google scholar): 72

### ΕΡΕΥΝΗΤΙΚΑ ΠΡΟΓΡΑΜΜΑΤΑ

- Συμμετοχή σε 35 Ευρωπαϊκά Ερευνητικά Προγράμματα
- Συμμετοχή σε 4 Εθνικά Ερευνητικά Προγράμματα

**ΠΤΥΧΙΟ ΑΝΩΤΑΤΟΥ  
ΕΚΠΑΙΔΕΥΤΙΚΟΥ  
ΙΔΡΥΜΑΤΟΣ:**

ΠΑΝΕΠΙΣΤΗΜΙΟ ΙΩΑΝΝΙΝΩΝ, Π.Σ.Ε ΕΠΙΣΤΗΜΕΣ ΚΑΙ ΠΟΛΙΤΙΣΜΟΣ  
(υποστηριζόμενο από το ΤΜΗΜΑ ΦΥΣΙΚΗΣ), ΚΑΤΕΥΘΥΝΣΗ ΕΠΙΣΤΗΜΕΣ  
ΠΕΡΙΒΑΛΛΟΝΤΟΣ (2002)

(ΒΑΘΜΟΣ ΠΤΥΧΙΟΥ **8.5/10-Άριστα**, 1<sup>ος</sup> ανάμεσα σε 60 φοιτητές).

**ΤΙΤΛΟΣ ΔΙΠΛΩΜΑΤΙΚΗΣ  
ΕΡΓΑΣΙΑΣ:**

**«Αυτοκίνητο, ρύπανση και αντιρρυπαντική τεχνολογία»**

*Επιβλέπων καθηγητής:*

Κασσωμένος Παύλος

**ΜΕΤΑΠΤΥΧΙΑΚΟ  
ΔΙΠΛΩΜΑ  
ΕΞΙΔΕΙΚΕΥΣΗΣ  
(Master):**

ΠΑΝΕΠΙΣΤΗΜΙΟ ΙΩΑΝΝΙΝΩΝ, ΤΜΗΜΑ ΧΗΜΕΙΑΣ (2004) Μ.Δ.Ε με τίτλο  
«Περιβαλλοντική και υπολογιστική χημεία-προσομοίωση» (Μ.Ο ΒΑΘΜΟΛΟΓΙΑΣ  
ΜΑΘΗΜΑΤΩΝ 9.33).

**ΤΙΤΛΟΣ ΔΙΑΤΡΙΒΗΣ:**

**«Μετρήσεις αρωματικών υδρογονανθράκων στην πόλη των Ιωαννίνων  
και συσχέτιση αυτών με κυκλοφοριακά χαρακτηριστικά»**

*Επιβλέπων καθηγητής:*

Πηλίδης Γεώργιος

**ΔΙΔΑΚΤΟΡΙΚΟ:**

ΠΑΝΕΠΙΣΤΗΜΙΟ ΙΩΑΝΝΙΝΩΝ, ΤΜΗΜΑ ΒΙΟΛΟΓΙΚΩΝ ΕΦΑΡΜΟΓΩΝ ΚΑΙ  
ΤΕΧΝΟΛΟΓΙΩΝ (παρουσίαση-εξέταση διατριβής στις 22-5-2008, ορκομωσία στις  
9-10-2009)

**ΤΙΤΛΟΣ ΔΙΑΤΡΙΒΗΣ:**

**«Έκθεση πληθυσμιακών ομάδων στο βενζόλιο και παράγοντες που τη  
διαμορφώνουν»**

*Συμβουλευτική επιτροπή:*

Πηλίδης Γεώργιος (Επιβλέπων), Κασσωμένος Παύλος, Σταλίκας Κωνσταντίνος

### Εργαστήριο Περιβαλλοντικής Μηχανικής / Τμήμα Χημικών Μηχανικών / ΑΠΘ (2011 – έως και τώρα)

1. PARC - Partnership for Risk Assessment (HORIZON EUROPE) - Budget: 400,000,000 € / (2022 – 2029)  
Αναπληρωτής Επ. Υπεύθυνος
2. ENVESOME - The Environmental Exposome And Health (HORIZON) - - Budget: 7,999,798 € / (2024 – 2028)  
Αναπληρωτής Επ. Υπεύθυνος
3. AURORA - Demonstrating trAnsformative solUtions to empower climate Resilience tOwards impRoved public health stAtus in the EU Boreal Region (HORIZON) - Budget: 6,099,870€ / (2024 – 2027) Αναπληρωτής Επ. Υπεύθυνος
4. IHEN - International Human Exposome Network Project (HORIZON) - Budget: 2,999,957 € / (2024 – 2026)  
Αναπληρωτής Επ. Υπεύθυνος
5. INSIGHT - Integrated Models for the Development and Assessment of High Impact Chemicals and Materials (HORIZON EUROPE) - Budget: 4,130,318 € / (2024 – 2027) Αναπληρωτής Επ. Υπεύθυνος
6. EIRENE - Environmental Exposure Assessment Research Infrastructure Preparatory Phase Project (HORIZON EUROPE) - - Budget: 2,945,449 € / (2024 – 2026) Αναπληρωτής Επ. Υπεύθυνος
7. RAISE - Research Analysis Identifier SystEm (HORIZON EUROPE) - Budget: 5,050,625 € / (2022 – 2026)
8. URBANOME - Urban observatory for multi-participatory enhancement of health and wellbeing - Budget: 4.974.015 € / (PI) (2021 – 2024) - Αναπληρωτής Επ. Υπεύθυνος
9. OBERON - An integrative strategy of testing systems for identification of EDs related to metabolic disorders - Budget 6,500,000 € / (PI) (2019 – 2023) - Αναπληρωτής Επ. Υπεύθυνος
10. HERA - Health Environment Research Agenda (HORIZON 2020) - Budget 2,500,000 € / (2019 – 2021) - Αναπληρωτής Επ. Υπεύθυνος
11. Ανάπτυξη "πράσινου κεραμιδιού". (Φορέας Χρηματοδότησης: ΕΣΠΑ). Προϋπολογισμός Έργου: 227.156 € / (PI) (2018 – 2021)– (Ανταγωνιστική Εθνική Χρηματοδότηση) – Αναπληρωτής Επ. Υπεύθυνος
12. NEUROSOME – Exploring neurological exposome Initiative (Horizon 2020) - Budget 7,000,000 € / (2017 – 2020) - Αναπληρωτής Επ. Υπεύθυνος
13. **DOREMI – Dose response for chemical mixtures (CEFIC LRI) - Budget 350,000 € / (2017 – 2020) – Συντονιστής του Έργου**
14. HBM4EU - Human Biomonitoring Initiative (Horizon 2020) - Budget 70,000,000 € / (2017 – 2020) - Αναπληρωτής Επ. Υπεύθυνος
15. GRIN - GRIN - GReen INfrastructures for disaster risk reduction protection: evidence, policy instruments and marketability - DG ECHO) - Budget: 681,153 € / (2017 – 2018) - Αναπληρωτής Επ. Υπεύθυνος
16. ICARUS - Integrated Climate forcing and Air pollution Reduction in Urban Systems (HORIZON 2020) - Budget: € 6,472,015 € / (2016 – 2019) - Αναπληρωτής Επ. Υπεύθυνος
17. 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 € / (2016 – 2019) - Αναπληρωτής Επ. Υπεύθυνος
18. PEC - Post-Emergency, multi-hazard health risk assessment in Chemical Disasters (Civil Protection mechanism of the EC - DG Environment) - Budget: 788,803 € / (2016 – 2017) - Αναπληρωτής Επ. Υπεύθυνος
19. **ERNICIP – European Reference Network for Critical Infrastructure Protection. Thematic Group "Detection of Indoor Airborne Chemical-Biological Agents" / Joint Research Center – European Commission / - Budget 50,000 € / (2015 – 2016) & 50,000 € / (2017 & 2018) – Συντονιστής του Έργου**
20. Industrially Contaminated Sites and Health Network (ICSHNet) – Budget 1,500,000 € / (2015 – 2018) - Αναπληρωτής Επ. Υπεύθυνος
21. CheRRIE - Chemical and Radiological Risk in the Indoor Environment (*European Territorial Cooperation Programme Greece- Bulgaria 2007-2013 INTERREG IV*)- Budget: 1,420,569 € / (2014 – 2015)
22. CROME - Cross-Mediterranean Environment and Health Network (*LIFE+ European Commission/DG Environment*) - Budget: 1,760,190 € / (2013 – 2016) - Αναπληρωτής Επ. Υπεύθυνος

23. HEALS - Health and Environment-wide Associations based on Large population Surveys (*7th FP - Large scale project*) - Budget: 14,866,648 € / (2013 – 2018) - Αναπληρωτής Επ. Υπεύθυνος
24. TRANSPHORM - Transport related Air Pollution and Health impacts (*7th FP - Large scale project*) - Budget: € 8,696,697 million (2010 – 2014)

### **Εθνικό Κέντρο Έρευνας και Τεχνολογικής Ανάπτυξης (ΕΚΕΤΑ) / Ινστιτούτο Μηχανικής Χημικών Διεργασιών / Εργαστήριο Φυσικών Πόρων και Εναλλακτικών Μορφών Ενέργειας (2011 – 2015)**

25. INTEGRA - Integrated External and Internal Exposure Modelling Platform (*CEFIC-LRI*) - Budget: 300,000 € / (2013 – 2015)
26. URGENCHE - Urban Reduction of GHG Emissions in China and Europe (*7th FP - Large scale project*) - Budget: 4,652,549 € / (2011 – 2015)
27. TAGS - Tiered Aggregate Exposure assessment of Chemical Substances (*CEFIC-LRI*) Budget: 400,000 € / (2010 – 2013)
28. INTERA - Integrated Exposure for Risk Assessment in Indoor Environments (*CEFIC-LRI*) - Budget: 400,000 € / (2010 – 2013)

### **Κοινό Κέντρο Ερευνών (Joint Research Center) / Ινστιτούτο Προστασίας της Υγείας του καταναλωτή / Μονάδα αποτίμησης κινδύνων από χημικά (2008 – 2011) – Υποτροφία για Μετα-διδακτορική Έρευνα με θέμα «Εκτίμηση κινδύνου από χημικά χρησιμοποιώντας σχέσεις δόσης-απόκρισης που βασίζονται στη βιολογία»**

29. GENESIS - GENeric European Sustainable Information Space for environment (*7th FP - Large scale project*) - Budget: € 5 million (2009 – 2013)
30. HEREPLUS - Health Risk of Environmental Pollution Levels in Urban Systems (*7th FP - Concerted action*) - Budget: € 2 million (2007 – 2010)
31. CAIR4HEALTH - Clean Air for health (*6th FP - scientific support action*) - Budget: € 1 million (2009 – 2013)
32. HEIMTSA - Health and Environment Integrated Methodology and Toolbox for Scenario Assessment (*6th FP - Integrated project*) - Budget: € 5 million (2007 – 2010)
33. 2-FUN - Full-chain and UNcertainty Approaches for Assessing Health Risks in Future ENvironmental Scenarios (*6th FP - Integrated project*) - Budget: € 3 million (2007 – 2010)
34. NO MIRACLE - NOvel Methods for Integrated Risk Assessment of CumuLative stressors in Europe (*6th FP - Integrated project*) - Budget: € 6 million (2006 – 2009)
35. HENVINET - Health And Environment Network (6th FP - Thematic Network) - Budget: € 2 million (2007 – 2009)

### **Ερευνητικά προγράμματα κατά τη περίοδο της διδακτορικής διατριβής – Πανεπιστήμιο Ιωαννίνων**

36. European Community DG XII (Sub-contractor). A non-destructive Pulse Neutron Multiple Detector Tool for use in environmental, hydrocarbon and mineral exploration (2002). Budget: 24.000 € (2002 – 2005)
37. Ministry of Education, Program Pythagoras. Human exposure to atmospheric pollutants. Budget: 50.000 € / (2005 – 2006)
38. Research Committee of the University of Ioannina. Atmospheric pollution in the city of Ioannina and proposals for the regulation of traffic. Budget: 13.200 € / (2002 – 2004)
39. General Secretariat for Research and Development, Program PRAXE. Pilot unit for the treatment of wastewaters from table olives (2002). Budget: 44.000 € / (2002 – 2003)

### ΔΗΜΟΣΙΕΥΣΕΙΣ ΣΕ ΔΙΕΘΝΗ ΠΕΡΙΟΔΙΚΑ

1. Gastellu, T., Karakoltzidis, A., Ratier, A., Bellouard, M., Alvarez, J.-C., Le Bizec, B., Rivière, G., Karakitsios, S., Sarigiannis, D. A., & Vogs, C. (2025). A comprehensive library of lifetime physiological equations for PBK models: Enhancing dietary exposure modeling with mercury as a case study. *Environmental Research*, 265, 120393.
2. Tariq, F., Ahrens, L., Alygizakis, N. A., Audouze, K., Benfenati, E., Carvalho, P. N., Chelcea, I., Karakitsios, S., Karakoltzidis, A., Kumar, V., Mora Lagares, L., Sarigiannis, D., Selvestrel, G., Taboureau, O., Vorkamp, K., & Andersson, P. L. (2024). Computational Tools to Facilitate Early Warning of New Emerging Risk Chemicals. *Toxics*, 12(10), 736.
3. Kolokathis, P. D., Sidiropoulos, N. K., Zouraris, D., Varsou, D.-D., Mintis, D. G., Tsoumanis, A., Dondero, F., Exner, T. E., Sarimveis, H., Chaideftou, E., Paparella, M., Nikiforou, F., Karakoltzidis, A., Karakitsios, S., Sarigiannis, D., Friis, J., Goldbeck, G., Winkler, D. A., Peijnenburg, W., Serra, A., Greco, D., Melagraki, G., Lynch, I., & Afantitis, A. (2024). Easy-MODA: Simplifying standardised registration of scientific simulation workflows through MODA template guidelines powered by the Enalos Cloud Platform. *Computational and Structural Biotechnology Journal*, 25, 256-268.
4. 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.
5. Olea, E.S., Hernández, J.S., Suarez, J.L., Artiñano, B., Briz, V., Karakitsios, S., Sarigiannis, D., Dos Santos, S.G., Nuñez-Corcuera, B., Ramis, R. Urban environmental noise and depression causal pathway: Potential role of chronic conditions as mediator, 11 March 2024, PREPRINT (Version 1) available at Research Square [<https://doi.org/10.21203/rs.3.rs-4018639/v1>].
6. K. Yu. Kirichenko, A. K. Stratidakis, A. S. Kholodov et al. Features of fume distribution in the working zone during arc welding operations with various covered electrodes, 31 January 2024, PREPRINT (Version 1) available at Research Square [<https://doi.org/10.21203/rs.3.rs-3892835/v1>]
7. Karakoltzidis, A., Battistelli, C., Bossa, C., Bouman, E., Garmendia Aguirre, I., Iavicoli, I., Zare Jeddi, M., Karakitsios, S., Leso, V., Løfstedt, M., Magagna, B., Sarigiannis, D., Schultes, E., Soeteman-Hernandez, L., Subramanian, V., Nymark, P. The FAIR Principles as a Key Enabler to Operationalize Safe and Sustainable by Design Approaches. *RSC Sustain.*, 2024. DOI: 10.1039/D4SU00171K
8. Desalegn, A., T. Schillemans, E. Papadopoulou, A.K. Sakhi, L.S. Haug, I. Henriette Caspersen, A. Rodriguez-Carrillo, S. Remy, G. Schoeters, A. Covaci, M. Laeremans, M.F. Fernández, S. Pedraza-Diaz, T. Kold Jensen, H. Frederiksen, A. Åkesson, B. Cox, S. Cynthia D'Cruz, L. Rambaud, M. Riou, M. Kolossa-Gehring, A. Gerofke, A. Murawski, N. Vogel, C. Gabriel, S. Karakitsios, N. Papaioannou, D. Sarigiannis, F. Barbone, V. Rosolen, S. Lignell, A. Karin Lindroos, J. Snoj Tratnik, A. Stajniko, T. Kosjek, Ž. Tkalec, L. Fabelova, L. Palkovicova Murinova, B. Kolena, S. Wimmerova, T. Szigeti, S. Középesy, A. van den Brand, J.-P. Zock, B. Janasik, W. Wasowicz, A. De Decker, S. De Henauw, E. Govarts, and N. Iszatt, Urinary concentrations of phthalate/DINCH metabolites and body mass index among European children and adolescents in the HBM4EU Aligned Studies: A cross-sectional multi-country study. *Environment International*, 2024. 190: p. 108931.
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11. Zare Jeddi M, Galea KS, Viegas S, Fantke P, Louro H, Theunis J, Govarts E, Denys S, Fillol C, Rambaud L, Kolossa-Gehring M, Santonen T, van der Voet H, Ghosh M, Costa C, Teixeira JP, Verhagen H, Duca R-C, Van Nieuwenhuysse A, Jones K, Sams C, Sepai O, Tranfo G, Bakker M, Palmen N, van Klaveren J, Scheepers PTJ, Paini A, Canova C, von Goetz N, Katsonouri A, Karakitsios S, Sarigiannis DA, Bessems J, Machera K, Harrad S and Hopf NB (2023). FAIR environmental and health registry (FAIREHR)- supporting the science to policy

interface and life science research, development and innovation. *Front. Toxicol.* 5:1116707. doi:10.3389/ftox.2023.

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## **ΚΕΦΑΛΑΙΑ ΣΕ ΒΙΒΛΙΑ**

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3. Sarigiannis D.A., S. Karakitsios, E. Handakas, K. Papadaki, D. Chapizanis, A. Gotti. Informatics and data analytics to support exposome-based discovery Part 1: Assessment of external and internal exposure. Chapter in: Applying Big Data Analytics in Bioinformatics and Medicine. P. Papadopoulou and D. Lytras (eds.), IGI Global (2018).
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## **ΑΝΑΚΟΙΝΩΣΕΙΣ ΣΕ ΔΙΕΘΝΗ ΣΥΝΕΔΡΙΑ (Επιλεγμένες από τις 343)**

1. D.A. Sarigiannis, S. Karakitsios. EU Chemical Strategy For Sustainability: Introducing Safe And Sustainable By Design Chemicals, Materials And Products. 13rd Panhellenic Scientific Conference in Chemical Engineering, Patras, Greece, 2-4/06/2022.
2. D.A. Sarigiannis, M. Kermenidou, S. Karakitsios. Refining PM exposure using low-cost portable sensor data and human respiratory tract deposition modelling. CEMEPE and SECOTOX Conference 2022, Mykonos, Greece, 5-9/6/2022.
3. D.A. Sarigiannis, V. Kokkaraki, S. Karakitsios. Toxicokinetic interactions of industrial chemical mixtures as internal exposure modifiers. CEMEPE SECOTOX Conference 2022, Mykonos, Greece, 5-9/6/2022.
4. D.A. Sarigiannis, A. Gypakis, A. Gotti, S. Karakitsios. The climate exposome. SuST 2022, Nisyros, Greece, 14-17/09/2022.
5. S. Karakitsios, I. Petridis, V. Kokkaraki, D. Sarigiannis. Toxicokinetic interactions of industrial chemical mixtures as internal exposure modifiers. EUROTOX 2021, Virtual, 2021.
6. D. Chapizanis, S. Karakitsios, D. Sarigiannis. A Personal Exposure Agent Based Model (ABM) with the Capacity of Aggregation at Various Levels of Population Size. American Institute of Chemical Engineers 2019, Orlando FL, USA, 10-15/11/2019.
7. D. Sarigiannis, N. Papaioannou, M. Fafouti, M. Dickinson, A. Gabriel, S. Karakitsios. Risk Characterization of Cadmium Based on Human Biomonitoring Data, American Institute of Chemical Engineers 2019, Orlando FL, USA, 10-15/11/2019.
8. S. Karakitsios, I. Petridis, D.A. Sarigiannis. Exposure modelling and exposure reconstruction for cadmium, 10th International Conference "Biomaterials and Nanobiomaterials, Heraklion, Crete, 5-12/5/2019.

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10. S. Karakitsios, R. Razaee, D. Sarigiannis. Risk Assessment of EDCs in europe based on human biomonitoring data, 10th International Conference "Biomaterials and Nanobiomaterials, Heraklion, Crete, 5-12/5/2019.

## ΠΡΟΣΚΕΚΛΗΜΕΝΕΣ ΟΜΙΛΙΕΣ

- UIC fourth security week, 18-21/6/2018, Paris, France. Τίτλος ομιλίας **“Advancing CB protection in railways exploring sensor technologies: challenges and opportunities”**.
- 19th ANNUAL CEFIC-LRI WORKSHOP, 15-16/11/2017, Brussels, Belgium. Τίτλος ομιλίας **“The DOREMI project (DOse REsponse of MIxtures)”**.
- CONCAWE workshop “PAH integrated exposure modelling”, Brussels, Belgium, 8-9/10/2015. Τίτλος ομιλίας **“Modeling from external exposure dose down to internal doses – INTEGRA model”**.
- 17th Transport and Air Pollution Symposium and 3rd Environment and Transport Symposium, Toulouse, France, 2-4/6/2009. Τίτλος ομιλίας **“The effect of traffic fleet on overall exposure to benzene”**.

## ΔΙΔΑΚΤΙΚΗ ΕΜΠΕΙΡΙΑ

- **«Επιστήμη Περιβάλλοντος»** (θεωρία και εργαστήρια) του Τμήματος Βιολογικών Εφαρμογών & Τεχνολογιών, σε θέματα που σχετίζονται με ατμοσφαιρική ρύπανση και περιβαλλοντική χημεία (2006, 2007 και 2008).
- **Μάστερ Τοξικολογίας και Εκτίμησης Περιβαλλοντικού Κινδύνου**, στο Τμήμα Ιατρικής του Πανεπιστημίου της Παβία στην Ιταλία, εστιάζοντας σε θέματα τοξικολογικών μηχανισμών και επιπτώσεων στην ανθρώπινη υγεία (2009 και 2010).
- **«Περιβαλλοντική Μηχανική»** (μάθημα κορμού), **«Διεργασίες αερίων αποβλήτων»** (επιλογής) και **«Χημικά στο Περιβάλλον»** (μεταπτυχιακό μάθημα) του Τμήματος Χημικών Μηχανικών του ΑΠΘ σε θέματα που σχετίζονται με περιβαλλοντική ρύπανση και περιβαλλοντική χημεία (2017 και 2018).
- Μεταπτυχιακό Πρόγραμμα Υπ. Διδασκτόρων στη Σχολή Προηγμένων Σπουδών του Πανεπιστημίου της Παβία στην Ιταλία στα μαθήματα **«Περιβάλλον & Υγεία»** και **«Υπολογιστικές μέθοδοι»**.
- **«Υπολογιστικής Τοξικολογία»** στο Πανεπιστήμιο Θεσσαλίας, στο Διατμηματικό Μεταπτυχιακό Πρόγραμμα Τοξικολογίας (2017, 2018, 2019, 2020).
- **«Χημεία Περιβάλλοντος»**, Τμήμα Χημικών Μηχανικών ΑΠΘ, Εαρινό Εξάμηνο 2018, αυτοδύναμη διδασκαλία
- **«Ανάλυση Ενεργειακών και Περιβαλλοντικών Συστημάτων»**, Τμήμα Χημικών Μηχανικών ΑΠΘ, Εαρινό Εξάμηνο 2019, αυτοδύναμη διδασκαλία
- **«Ανάλυση κινδύνου από βιομηχανικά χημικά»**, ΠΜΣ Περιβάλλον και Υγεία, Τμήμα Ιατρικής ΑΠΘ (2020, 2021)
- **«Σχέσεις δόσης -απόκρισης που βασίζονται στη βιολογία»**, ΠΜΣ Περιβάλλον και Υγεία, Τμήμα Ιατρικής ΑΠΘ (2020, 2021)

## ΣΥΜΜΕΤΟΧΗ ΣΕ ΕΠΙΣΤΗΜΟΝΙΚΕΣ ΟΡΓΑΝΩΣΕΙΣ

- 2017 – σήμερα: Γραμματέας της Mediterranean Scientific Association for Environmental Protection
- Μέλος της Ελληνικής Εταιρίας Τοξικολογίας (Hellenic Society of Toxicology) από το 2017
- Μέλος της International Society for Exposure Science από το 2016
- Μέλος της Society of Environmental Toxicology and Chemistry από το 2015

## ΔΙΟΡΓΑΝΩΣΗ ΣΥΝΕΔΡΙΩΝ

- 4-6 Οκτωβρίου 2017: 19th International Symposium on Environmental Pollution and its Impact on Life in the Mediterranean region - Environmental and health inequity; science in the service of society, στην Ρώμη (Ιταλία). Διοργανωτής του συμποσίου – Γενικός Γραμματέας της MESAEP.
- 6-7 Φεβρουαρίου 2017: Τρίτο Διεθνές Συνέδριο του Δικτύου Βιομηχανικά Επιμολυσμένων Περιοχών και Υγείας (Third Plenary Conference COST Action IS1408 - ICSHNet), Θεσσαλονίκη, Κτίριο ΚΕΔΕΑ. Διοργανωτής του Συνεδρίου.
- 8-9 Απριλίου 2005: “A non-destructive multiple pulse detector for use in environmental studies”, ΠΑΝΕΠΙΣΤΗΜΙΟ ΙΩΑΝΝΙΝΩΝ

## ΣΥΝΤΑΞΗ ΤΕΧΝΙΚΩΝ ΠΡΟΔΙΑΓΡΑΦΩΝ ΚΑΙ ΠΑΡΑΚΟΛΟΥΘΗΣΗ ΔΙΑΔΙΚΑΣΙΩΝ ΔΙΕΘΝΩΝ ΚΑΙ ΕΘΝΙΚΩΝ ΔΙΑΓΩΝΙΣΜΩΝ ΑΓΟΡΑΣ ΕΞΟΠΛΙΣΜΟΥ

- Technical specifications for Air Quality Monitoring stations equipment (cost **362.000** €) / REQUEST No. IPA/TAIB2012/9.11/LOT6/18 Preparation of Technical Specification for TAIB 2012 Supply Contract for supply of appropriate equipment to exchange and manage information and monitoring for water, waste, air management, nature and climate change, REQUEST No. IPA/TAIB2012/9.11/LOT6/18 FWC BENEFICIARIES 2013 - LOT 6: Environment EuropeAid/132633/C/SER/multi
- Technical specifications of LC/MS-MS (cost **250.000** €) / HEALS FP7 project
- Technical specifications of GC/MS-MS (cost **155.000** €) / CheRRIE (Interreg) project
- Technical specifications of Microarray Scanner (cost **55.000** €) / HEALS FP7 project
- Technical specifications for PM samplers (cost **25.000** €) / TRANSPHORM FP7 project
- Technical specification for PM optical counter (cost **15.000** €) / CROME LIFE+ project