

PERSONAL INFORMATION

Efthimios Zervas



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Sex Male | Date of birth 21/12/1966 | Nationality Greek-French

WORK EXPERIENCE

10/2018-today

Professor

Director of the MSc Programmes

“Environmental Design”

“Environmental Design of Infrastructure Works”

“Environmental Design of Cities and Buildings”

Director of the Laboratory of Technology and Policy of Energy and Environment

Hellenic Open University, Patra – Greece

- Control of pollutants emitted from combustion systems
- Emissions of regulated and specific pollutants from combustion systems
- Development of analytical methods for the analysis of specific gaseous pollutants
- Analysis of emissions of e-cigarettes, conventional cigarettes and heated tobacco products
- Analysis of e-cigarettes refilling liquids
- Air pollution
- Emission regulations
- Energy and environmental opinion and policy
- Climate change
- Political Ecology

Business or sector Academic

09/2013-10/2018

Associate Professor

Director of the MSc Programmes

“Environmental Design”

“Environmental Design of Infrastructure Works” (from 2017-18)

“Environmental Design of Cities and Buildings” (from 2017-18)

Director of the Laboratory of Technology and Policy of Energy and Environment

Hellenic Open University, Patra – Greece

- As in the current position
- Business or sector Academic

09/2009-08/2013

Assistant Professor

Coordinator of several thematic units of the MSc programme “Environmental Design of Infrastructure Works”

Hellenic Open University, Patra – Greece

- As in the previous position
- Business or sector Academic

- 09/2006-08/2009 **Assistant Professor**
Democritus University of Thrace, Xanthi –Greece
▪ Analysis and control of regulated and specific pollutants from combustion systems
▪ Alternative fuels
▪ Emission regulations
▪ Air pollution
▪ Energy and environmental policy
▪ Climate change
Business or sector Academic
- 09/2005-08/2006 **Researcher**
CPERI/CERTH, Thessaloniki - Greece
▪ Control of nano-particles emissions
Business or sector Research Centre
- 09/1999-08/2005 **Project Leader in the field of exhaust emissions analysis and control**
Renault, Paris – France
▪ Emission control of new diesel engines
▪ Technical regulations
▪ Methodology for after-treatment control
▪ Emission of nano-particles and non-regulated pollutants
▪ Emissions of specific pollutants of diesel engines
▪ Odour determination of exhaust gas
▪ Hybride vehicles
Business or sector Automotive sector
- 09/1998-08/1999 **Assistant Professor**
Ecole de Mines de Nantes, Nantes - France
▪ Study of combustion and emission control of natural gas-feed spark ignition engines
▪ Development of analytical methods for the analysis of specific pollutants (organic acids, hydrocarbons)
Business or sector Academic
- 10/1992-06/1996 **Research Assistant (during the PhD)**
Institut Français du Pétrole (IFP), Paris – France
▪ Study of the formation mechanisms of the specific pollutants emitted from internal combustion engines
▪ Development of analytical methods for the analysis of specific pollutants
▪ Study of the relationships between fuel composition and pollutants emission
Business or sector Research Centre
- 02/1992-08/1992 **Research Assistant**
TOTAL Exploration Production, Paris – France
▪ Study of elastic propagation of seismic waves
Business or sector Oil sector
- 10/1990-09/1991 **Research Assistant (during the MSc)**
Institut Français du Pétrole (IFP), Paris - France
▪ Study of the isomerisation of the C₈ aromatic cup on catalysts based on zeolites
▪ Development of analytical methods for the analysis of hydrocarbons
▪ Development of catalysts for the isomerisation of the C₈ aromatic cup
Business or sector Research Centre

09/1989-09/1990

Research and Teaching Assistant

Department of Chemical Engineering, University of Patra, Patra - Greece

- Study of the catalytic coupling of methane
- Development of analytical methods for the analysis of low molecular mass hydrocarbons
- Development of catalysts for the coupling of methane

[Business or sector](#) Academic Sector

OTHER PROFESSIONAL POSITIONS

09/2018-today

Member of the Experts Working Group for the analysis of the tobacco industry files for the 15 priority tobacco additives

RIVM (National Institute for Public Health and the Environment), Bilthoven- The Netherlands

Analysis of the files submitted from the tobacco industry for the 15 priority tobacco additives in the framework of the work package 9 of Joint Action on Tobacco Control. Assessment and verification of the smoke chemistry, pyrolysis products, toxicology and health risks.

[Business or sector](#) Governmental Agency

12/2017-today

Member of European Joint Action on Tobacco Control

European Commission

- Through Hellenic Thoracic Society
- Participation in different tasks of this project

[Business or sector](#) International Organization

09/2017-today

Member of Experts Working Group “Tobacco and Vaping Products”

ANSES (French Agency for Food, Environmental and Occupational Health & Safety), Paris - France

Assessment of the risks associated with substances (composition, emissions) from tobacco products and related products (electronic cigarettes, refill cartridges, herbal products for smoking) in the regulatory context of Directive 2014/40/EU

[Business or sector](#) Governmental Agency

06/2017-today

Member and Vice-Chair of the Independent Advisory Panel on characterising flavours in tobacco products

European Commission

- The panel is tasked with issuing opinions on whether a tobacco product has a characterising flavour.
- The panel should also further specify and update, as appropriate, the methodology for the technical assessment of products as set out in Commission Implementing Decision (EU) 2016/786.
- The Commission may consult the panel on other matters relating to the assessment of characterising flavours.

[Business or sector](#) International Organization

RECENT ACHIEVEMENTS IN THE FIELD OF TOBACCO

- Grant of Hellenic Thoracic Society for the study of the emissions of e-cigarettes
- Grant of Hellenic Thoracic Society for the study of the emissions of heated tobacco products
- 5/5 stars for a presentation during the 2015 ERS Congress

EDUCATION AND TRAINING

- 1992-1996 **PhD of Chemistry, Physical Chemistry**
Institut Français du Pétrole (IFP) and University of Haute Alsace - France
 Thesis: «Study of the formation mechanisms of the specific pollutants emitted from internal combustion engines»
- 1991-1991 **MSc of Oil Sciences**
Ecole Nationale du Pétrole et des Moteurs (ENSPM) and University Paris VI - France
 Thesis: «Isomerisation of the C₈ aromatic cup on catalysts based on mordenite»
- 1984-1989 **Diploma of Chemical Engineering**
National Technical University of Athens – Greece
 Thesis: «Study of kinetic models for the CO oxidation»

PERSONAL SKILLS

Mother tongue(s) Greek-French

Other language(s)

| | UNDERSTANDING | | SPEAKING | | WRITING |
|---------|---------------|---------|--------------------|-------------------|---------|
| | Listening | Reading | Spoken interaction | Spoken production | |
| English | Fluent | Fluent | Fluent | Fluent | Fluent |
| Italian | Basic | Basic | Basic | Basic | Basic |

Communication skills Very good communication skills gained through my experience as professor and representative to national and international committees: teaching, writing (articles, reports, books,...), presentations at national and international congresses

Organisational / managerial skills Very good organisational / managerial skills:

- Project Leader at Renault
- Leader of several "Thematic Units" at Hellenic Open University (3-7 professors, 80-120 students)
- Currently Director of 3 MSc programs at Hellenic Open University (about 70 professors and 1,100 students)
- During last years, leader of a research team at Hellenic Open University of 2 technicians, 5-10 MSc thesis, 5 PhD students and 4-7 post-docs

Digital competence

- Very good command of windows and office suite
- Good command of programming languages (Fortran, C++), other scientific tools (Grapher, SPSS, Stoa) and photo editing software

Driving licence A/B

ADDITIONAL INFORMATION

- 59 publications in international journals, 11 SAE papers, 10 ERJ Abstracts
- 74 documents in Scopus
- 157 presentations in national and international conferences, 9 invited plenary lectures
- Citations: 1,870 (Google Scholar), 1,253 (Scopus) (date of search: 14/02/2019)
- H index=24 (Google Scholar), 22 (Scopus)
- Referee for 222 papers of 52 international journals and conferences
- Supervisor of 2 accomplished PhD, other 5 are in progress
- Supervisor of 51 MSc thesis, other 6 are in progress
- Member of: Technical Chamber of Greece, Hellenic Thoracic Society, European Respiratory Society

ANNEXES

List of publications

PUBLICATIONS

INTERNATIONAL JOURNALS

1. Zervas E., Montagne X., Lahaye J. (1999), The influence of gasoline formulation on specific pollutants emissions, *J. Air Waste Manage. Assoc.*, 49, 1304-1314, <http://dx.doi.org/10.1080/10473289.1999.10463969>
2. Zervas E., Montagne X., Lahaye J. (1999), Collection and analysis of organic acids in exhaust gas. Comparison of different methods, *Atm. Environ.*, 33, 4953-4962, (Dec 1999) [http://dx.doi.org/10.1016/S1352-2310\(99\)00278-2](http://dx.doi.org/10.1016/S1352-2310(99)00278-2)
3. Zervas E., Tazerout M. (2000), Organic acids emissions from natural gas fed engines, *Atm. Environ.*, 34, 3921-3929, (6 July 2000) [http://dx.doi.org/10.1016/S1352-2310\(00\)00160-6](http://dx.doi.org/10.1016/S1352-2310(00)00160-6)
4. Zervas E., Montagne X., Lahaye J. (2001), Emission of specific pollutants from a compression ignition engine. Influence of fuel hydrotreatment and fuel/air equivalence ratio, *Atm. Environ.*, 35, 1301-1306, (2 Feb 2001) [http://dx.doi.org/10.1016/S1352-2310\(00\)00390-3](http://dx.doi.org/10.1016/S1352-2310(00)00390-3)
5. Zervas E., Montagne X., Lahaye J. (2001), C1-C5 organic acids emissions from a SI engine. Influence of fuel and air/fuel equivalence ratio, *Environ. Sci. Technol.*, 35, 2746-2751, (2 June 2001) <http://dx.doi.org/10.1021/es000237v>
6. Zervas E., Montagne X., Lahaye J. (2002), Emission of alcohols and carbonyl compounds from a SI engine. Influence of fuel and air/fuel equivalence ratio, *Environ. Sci. Technol.*, 36, 2414-2421, (23 April 2002) <http://dx.doi.org/10.1021/es010265t>
7. Zervas E., Montagne X., Lahaye J. (2003), Emission of regulated pollutants from a SI engine. Influence of fuel and air/fuel equivalence ratio, *Environ. Sci. Technol.*, 37, 3232-3238, (14 June 2003) <http://dx.doi.org/10.1021/es026321n>
8. Zervas E. (2004), Correlations between cycle-to-cycle variations and combustion parameters of a spark ignition engine, *Appl. Therm. Eng.*, 24, 14-15, 2073-2081, (Oct 2004) <http://dx.doi.org/10.1016/j.applthermaleng.2004.02.008>
9. Zervas E., Montagne X., Lahaye J. (2004), Influence of fuel and air/fuel equivalence ratio on the emission of individual hydrocarbons from a SI engine. 1. Experimental Findings, *Fuel*, 83, 17-18, 2301-2311, (Dec 2004) <http://dx.doi.org/10.1016/j.fuel.2004.06.029>
10. Zervas E., Montagne X., Lahaye J. (2004), Influence of fuel and air/fuel equivalence ratio on the emission of individual hydrocarbons from a SI engine. 2. Formation pathways and modelling of combustion processes, *Fuel*, 83, 17-18, 2313-2321, (Dec 2004) <http://dx.doi.org/10.1016/j.fuel.2004.06.028>
11. Zervas E. (2005), Formation of organic acids from propane, isooctane and toluene/isooctane flames, *Fuel*, 84, 6, 691-700, (April 2005) <http://dx.doi.org/10.1016/j.fuel.2004.11.012>
12. Zervas E. (2005), Formation of oxygenated compounds from isooctane/toluene flames, *Energy and Fuels*, 19, 5, 1865-1872, (26 May 2005) <http://dx.doi.org/10.1021/ef050059x>
13. Zervas E. (2005), Comparative study of some experimental methods to characterize the combustion process in a SI engine, *Energy*, 30, 10, 1803-1816, (July 2005) <http://dx.doi.org/10.1016/j.energy.2004.11.002>
14. Zervas E., Bikas G. (2005), CO₂ changes from the increasing percentage of Diesel passenger cars in Norway, *Energy and Fuels*, 19, 5, 1919-1926, (15 July 2005) <http://dx.doi.org/10.1021/ef050070x>
15. Zervas E. (2005), Formation of oxygenated compounds (aldehydes, alcohols, organic acids) from propane flames, *Environmental Engineering Science*, 22, 5, 651-659, (12 Aug 2005) <http://dx.doi.org/10.1089/ees.2005.22.651>
16. Ntziachristos L., Samaras Z., Zervas E., Dorlhène P. (2005), Effect of a catalyzed and a additized particle filter on the emissions of a Diesel passenger car operating on low sulphur fuels, *Atm. Environ.*, 39, 27, 4925-4936, (Sept 2005) <http://dx.doi.org/10.1016/j.atmosenv.2005.04.040>
17. Zervas E., Dorlhène P., Forti L., Perrin C., Momique J.C., Monier R., Ing H., Lopez B. (2005), Inter-laboratory Test of Exhaust PM Using ELPI, *Aerosol Science and Technology*, 39, 333-346, <http://dx.doi.org/10.1080/027868290930222>
18. Zervas E., Dorlhène P., Forti L., Perrin C., Momique J.C., Monier R., Ing H., Lopez B. (2006), Exhaust Gas Particle Mass Estimation Using an Electrical Low Pressure Impactor, *Energy and Fuels*, 20, 498-503, (13 Jan 2006) <http://dx.doi.org/10.1021/ef050330a>
19. Zervas E., Pouloupoulos S. Philippopoulos C. (2006), Formation of oxygenated compounds from isooctane flames, *Fuel*, 85, 3, 333-339, (Feb 2006) <http://dx.doi.org/10.1016/j.fuel.2005.07.011>
20. Zervas E., Dorlhène P., Forti L., Perrin J., Momique J.C., Monier R., Ing H., Lopez B. (2006), Inter-laboratory study of the exhaust gas particle number measurement using the Condensation Particle Counter (CPC), *Energy and Fuels*, 20, 6, 2426-2431, (17 Oct 2006) <http://dx.doi.org/10.1021/ef060180j>
21. Zervas E., Pouloupoulos S. Philippopoulos C. (2006), CO₂ emissions change from the introduction of Diesel passenger cars. Case of Greece, *Energy*, 31, 14, 2515-2525, (Nov 2006) <http://dx.doi.org/10.1016/j.energy.2005.11.005>
22. Zervas E. (2006), CO₂ benefit from the increasing percentage of Diesel passenger cars. Case of Ireland, *Energy Policy*, 34, 17, 2848-2857, (Nov 2006) <http://dx.doi.org/10.1016/j.enpol.2005.05.010>
23. Zervas E., Dorlhène P. (2006), Comparison of exhaust particle number measured by EEPs, CPC and ELPI, *Aerosol Science and Technology*, 40, 977-984, <http://dx.doi.org/10.1080/02786820600844093>
24. Zervas E., Lazarou Ch. (2007), CO₂ benefit from the increasing percentage of diesel passenger cars in Sweden, *International Journal of Energy Research*, 31, 2, 192-203, (Feb 2007) <http://dx.doi.org/10.1002/er.1244>
25. Bikas G., Zervas E. (2007), Regulated and non-regulated pollutants emitted during the regeneration of a Diesel Particulate Filter, *Energy and Fuels*, 21, 3, 1543-1547, (May 2007) <http://dx.doi.org/10.1021/ef070024s>

26. Bikas G., Zervas E. (2007), Non-regulated pollutants emitted from Euro3 Diesel vehicles as a function of their mileage, *Energy and Fuels*, 21, 5, 2731-2736, (Sept 2007) <http://dx.doi.org/10.1021/ef070036d>
27. Zervas E., Lazarou Ch. (2008), Influence of European passenger cars weight to exhaust CO₂ emissions, *Energy Policy*, 36, 248-257, (Jan 2008) <http://dx.doi.org/10.1016/j.enpol.2007.09.009>
28. Zervas E., Bikas G. (2008), Impact of the driving cycle on the NO_x and PM exhaust emissions of Diesel passenger cars, *Energy and Fuels*, 22(3); 1707-1713, (May 2008) <http://dx.doi.org/10.1021/ef700679m>
29. Zervas E. (2008), Impact of different configurations of a Diesel oxidation catalyst on the CO and HC tail-pipe emissions of a Euro4 passenger car, *Appl. Therm. Engin.*, 28, 962-966, (June 2008) <http://dx.doi.org/10.1016/j.applthermaleng.2007.06.033>
30. Zervas E. (2008), Regulated and non-regulated pollutants emitted from two aliphatic and a commercial Diesel fuel, *Fuel*, 87,1141-1147, (June 2008) <http://dx.doi.org/10.1016/j.fuel.2007.06.010>
31. Zervas E., Pouloupoulos S.G., Philippopoulos C.J., Bikas G. (2008), CO₂ control by means of the increased penetration of Diesel passenger cars in Finland, *Global Nest the International Journal*, 10, 2, 174-182 (July 2008) <https://doi.org/10.30955/gnj.000475>
32. Katsanou O., Zervas E., Pouloupoulos S.G., Philippopoulos C.J (2008), Photocatalytic oxidation of TCE and MTBE in the gas phase, *Global Nest the International Journal*, 10, 2, 237-240, (July 2008) <https://doi.org/10.30955/gnj.000478>
33. Zervas E. (2008), Development of an indicator for the emission control of Diesel passenger cars, *Appl. Therm. Engin.*, 28, 1437-1442, (Aug 2008) <http://dx.doi.org/10.1016/j.applthermaleng.2007.09.008>
34. Zervas E. (2008), Parametric study of the main parameters influencing the catalytic efficiency of a Diesel oxidation catalyst: parameters influencing the efficiency of a diesel, *Int. J. Automot. Technol.*, 9, 6, 641-647, (Dec 2008) <http://dx.doi.org/10.1007/s12239-008-0076-8>
35. Zervas E. (2009), Analysis of CO₂ emissions and other characteristics of new German passenger cars, *Energy and Fuels*, 23, 1 244–252, (Jan 2009) <http://dx.doi.org/10.1021/ef800723k>
36. Zervas E., Bikas G., Zachariadis Th. (2009), CO₂ benefit from the increasing percentage of Diesel passenger cars in Switzerland, *I. J. Environ. Technol. Manag.* 10, 1, 102-118. <https://doi.org/10.1504/IJETM.2009.021581>
37. Zervas E. (2010), Impact of fuel on the emission of regulated pollutants of a Diesel passenger car, *Energy and Fuels*, 24, 1731-1735, (17 Feb 2010) <http://dx.doi.org/10.1021/ef901456z>
38. Savvanidou E., Zervas E., Tsagarakis K. (2010), Public Acceptance of Biofuels, *Energy Policy*, 38, 3482-3488, (July 2010) <http://dx.doi.org/10.1016/j.enpol.2010.02.021>
39. Zervas E. (2010), Analysis of the CO₂ emissions and of the other characteristics of the European Market of new passenger cars. 1. Analysis of general data and analysis per country. *Energy Policy*, 38, 5413-5425, (Oct 2010) <http://dx.doi.org/10.1016/j.enpol.2010.02.008>
40. Zervas E. (2010), Analysis of the CO₂ emissions and of the other characteristics of the European market of new passenger cars. 2. Segment analysis, *Energy Policy*, 38, 5426-5441, (Oct 2010) <http://dx.doi.org/10.1016/j.enpol.2010.02.007>
41. Zervas E. (2010), Analysis of the CO₂ emissions and of the other characteristics of the European Market of new passenger cars. 3. Brands analysis, *Energy Policy*, 38, 5442-5456, (Oct 2010) <http://dx.doi.org/10.1016/j.enpol.2010.02.010>
42. Zervas E. (2011), Impact of altitude on fuel consumption of a gasoline passenger car, *Fuel*, 90, 2340-2342 (Jun 2011) <http://dx.doi.org/10.1016/j.fuel.2011.02.004>
43. Bampatsou Ch., Zervas E. (2011), Critique of the Regulatory Limitations of Exhaust CO₂ Emissions from Passenger Cars in European Union, *Energy Policy*, 39, 7794-7802, (Dec 2011) <http://dx.doi.org/10.1016/j.enpol.2011.09.024>
44. Karavalakis G., Pouloupoulos S., Zervas E. (2012), Impact of diesel fuels on the emission of non-regulated pollutants, *Fuel*, 102, 85-91. (Dec 2012) <http://dx.doi.org/10.1016/j.fuel.2012.05.030>
45. Bampatsou Ch., Papadopoulous S., Zervas E. (2013), Technical Efficiency of Economic Systems of EU-15 countries based on Energy Consumption, *Energy Policy*, 55, 426-434, (April 2013) <http://dx.doi.org/10.1016/j.enpol.2012.12.021>
46. Kaika D., Zervas E. (2013), The Environmental Kuznets Curve (EKC) Theory. Part A: Concept, Causes and the CO₂ Emissions Case. *Energy Policy*, 62, 1392-1402, (Nov 2013) <http://dx.doi.org/10.1016/j.enpol.2013.07.131>
47. Kaika D., Zervas E. (2013), The Environmental Kuznets Curve (EKC) Theory. Part B: Critical Issues, *Energy Policy*, 62, 1403-1411, (Nov 2013) <http://dx.doi.org/10.1016/j.enpol.2013.07.130>
48. Zervas E., Papantonis N., Ischaki E., Litsiou E. and Katsaounou P. (2014), Analysis of acceptance of the smoking ban in Greece, *Tobacco Induced Diseases*, 12 (Suppl 1): A21, <http://dx.doi.org/10.1186/1617-9625-12-S1-A21>. <http://www.tobaccoinduceddiseases.com/content/12/S1/A21/> - ins2
49. Giannarou L., Zervas E., (2014), Using Delphi technique to build consensus in practice, *Int. Journal of Business Science and Applied Management*, Volume 9, Issue 2, p 65-82, <http://www.business-and-management.org/paper.php?id=106>
50. Papoulis D., Kaika D., Bampatsou Ch., Zervas E. (2015), Public perception of climate change in a period of economic crisis, *Climate*, 3(3), 715-726, (1 Sept 2015) <http://dx.doi.org/10.3390/cli3030715>
51. Dalianis G, Nanaki E., Xydis G., Zervas E. (2016), New Aspects to Greenhouse Gas Mitigation Policies for Low Carbon Cities, *Energies*, 9(3), 128; (1 March 2016) <http://dx.doi.org/10.3390/en9030128>

52. Mamalaki E., Zachari K., Karfopoulou E., Zervas E., Yannakoulia, M. (2017), Presence of music while eating: Effects on energy intake, eating rate and appetite sensations, *Physiology and Behavior*, 168, 31-33, (1 Jan 2017) <https://dx.doi.org/10.1016/j.physbeh.2016.10.019>
53. Bampatsou C., Chalkos G., Kaika D., Zervas E. (2018), Impact of Technical and Efficiency Change on Productivity, *International Journal of Global Environmental Issues*, 17, 2/3, 144-162, <https://doi.org/10.1504/IJGENVI.2018.091459>
54. Kolios S., Antonatou G., Zervas E. (2018), Observed temperature extremes in Greece and their relation with North Atlantic Oscillation *Int. J. Global Warming*, 15(4), 392-412, <https://doi.org/10.1504/IJGW.2018.093746>
55. Zervas E., Litsiou E., Konstantopoulos K., Pouloupoulos S., Katsaounou P. (2018), Physical characterization of the aerosol of an electronic cigarette: impact of refill liquids, *Inhalation toxicology*, (12 May 2018) <https://doi.org/10.1080/08958378.2018.1500662>
56. Gareiou Z., Zervas E. (2018), Analysis of Environmental References in the Texts of the Four Gospels Using Descriptive Statistics, *Religions* 2018, 9, 266, (7 Sept 2018) <http://dx.doi.org/10.3390/rel9090266>
57. Vogiatzi Ch., Gemenetzi G., Massou L., Pouloupoulos S., Papaefthimiou S., Zervas E. (2018), Energy use and saving in residential sector and occupant behavior: A case study in Athens, *Energy & Buildings*, 181 (2018) 1–9, (15 Dec 2018) <https://doi.org/10.1016/j.enbuild.2018.09.039>
58. Drimili E., Zervas E. (2018), Public knowledge, attitudes and perception of ecological debt, *Journal of Political Ecology*, 25 (1), 470-487.
59. Kelektsoylou K. Pouloupoulos S., Zervas E. (2018), Analysis of the world scientific production on fuels, combustion and exhaust emissions, *Journal of Advances in Vehicle Engineering* 5(1) (2018) 18-29.

SAE PAPERS

1. Zervas E., Dorlhène P., Daviau R., Dionnet B. (2004), Repeatability of fine particle measurement on Diesel and gasoline exhaust gas, SAE Technical Paper Series 2004-01-1983, 2004 SAE Fuels and Lubricants Meeting, June 8-10, Toulouse France. Also published in SAE: Emissions Technology, SP-1889, June 2004, SAE, USA. DOI:10.4271/2004-01-1983
2. Raux S., Forti L., Barbusse S., Plassat G., Pierron L., Monier R., Momique J.C., Pain C., Dionnet B., Zervas E., Rouveirrolles P., Dorlhène P. (2005), French Program on the Impact of Engine Technology on Particulate Emissions, Size Distribution and Composition. Heavy Duty Diesel Study, SAE Technical Paper Series 2005-01-0190, **SAE 2005 World Congress**, April 11-14, Detroit, MI, USA. Also published in SAE: Emissions Measurement and Testing - Particulate Measurements, SP-1941, 2005, SAE, USA, doi: 10.4271/2005-01-0190.
3. Zervas E., Dorlhène P., Forti L., Perrin C., Momique J.C., Monier R., Ing H., Lopez B. (2005), Comparison between the exhaust particles mass determined by the European regulatory gravimetric method and the mass estimated by ELPI, SAE Technical Paper Series 2005-01-2147, SAE 2005 Fuels and Lubricants, May, 11-13, Rio de Janeiro, Brazil. Also published in SAE 2005 Transactions Journal of Fuels and Lubricants, V114-4, 927-943, Feb 2006, doi: 10.4271/2005-01-2147
4. Zervas E., Dorlhène P., Forti L., Perrin C., Momique J.C., Monier R., Pingal D., Lopez B. (2005), Development of an improved gravimetric method for the mass measurement of Diesel exhaust gas particles, SAE Technical Paper Series 2005-01-2145, SAE 2005 Fuels and Lubricants, May 11-13, Rio de Janeiro, Brazil, doi: 10.4271/2005-01-2145
5. Zervas E. (2007), European CO₂ benefit from the increasing percentage of Diesel passenger cars in European Union, JSAE 2077282, SAE 2007-01-1947, JSAE/SAE International Fuels and Lubricants Meeting, July 23-26, Kyoto, Japan.
6. Zervas E., Kastelis N. (2008), Analysis of new passenger cars market of UK and of their CO₂ emissions, SAE Technical Paper Series 2008-01-1752, 2008 SAE International Powertrains, Fuels and Lubricants Congress, June 23-25, Shanghai, China. Also published in SAE International Journal of Fuels and Lubricants V117-4, 1345-1361, April 2009.
7. Zervas E. (2008), Impact of the fast engine cooling of a gasoline engine on exhaust emissions and fuel consumption, SAE Technical Paper Series 2008-01-2441, 2008 SAE International Powertrains, Fuels and Lubricants Meeting, October 6-9, 2008, Rosemont, IL, USA.
8. Zervas E., Diamandopoulos E. (2009), Relationships between CO₂ emitted from new passenger cars in European Union and their engine and vehicle characteristics, SAE Technical Paper Series 2009-01-1825, 2009 SAE Powertrains, Fuels and Lubricants Meeting, June 15-17, 2009, Florence, Italy.
9. Kokkinou Th., Zervas E., (2009), Comparison between the exhaust emissions of regulated pollutants and CO₂ and regulations limits of new European passenger cars, SAE Technical Paper Series 2009-01-1802 2009 SAE Powertrains, Fuels and Lubricants Meeting, June 15-17, 2009, Florence, Italy.
10. Zervas E., Panoussi E. (2010), Exhaust Methane Emissions from Passenger Cars, SAE Technical Paper Series 2010-01-2224, 2010 SAE Powertrains, Fuels and Lubricants Meeting, October 25-27, 2010, San Diego, California, USA.
11. Zervas E. (2010), Emissions of non-regulated pollutants from European passenger cars of different technology SAE Technical Paper Series 2010-01-2226, 2010 SAE Powertrains, Fuels and Lubricants Meeting, October 25-27, 2010, San Diego, California, USA.

EUROPEAN RESPIRATORY JOURNAL ABSTRACTS

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151. D. Mpousiou, D. Lamprou, M. Toumpis, Th. Katsaounou, D. Fouskakis, M. Moscholaki, A. Karathanasi, Ch. Gratziou, E. Zervas, P. Katsaounou (2018) The effect of parental smoking and smoking inside the house in the adolescents attitude towards smoking, ERS International Congress 2018, 15-19th September, Paris, France
152. Papageorgiou A., Gemenetzi G., Zervas E. (2018), Resilience of cities and regions and natural disasters: evaluation of management strategies using Delphi method (Ανθεκτικότητα πόλεων και περιφερειών και φυσικές καταστροφές: αξιολόγηση των στρατηγικών διαχείρισης με τη μέθοδο DELPHI), 5th Panhellenic Conference of Urban Planning, Regional Planning and Regional Development, September 27-30, Volos, Greece, (in Greek).
153. T. Kalyvas, S. Pouloupoulos, E. Zervas (2018), World trend of the scientific production on climate change, 14th International Conference on Meteorology, Climatology and Atmospheric Physics, October 15-17, Alexandroupolis, Greece
154. T. Kalyvas, S. Pouloupoulos, E. Zervas (2018), Temperature variability in selected Greek locations, 14th International Conference on Meteorology, Climatology and Atmospheric Physics, October 15-17, Alexandroupolis, Greece
155. T. Kalyvas, E. Drimili, S. Pouloupoulos, E. Zervas (2018), PCA analysis of temperature variability in 11 meteorological stations in Greece, 14th International Conference on Meteorology, Climatology and Atmospheric Physics, October 15-17, Alexandroupolis, Greece
156. A. Varvitsioti, S. Alegras, D. Mikeli, S. Pouloupoulos, E. Zervas (2018), Development of an Index of Air Quality in Athens, 14th International Conference on Meteorology, Climatology and Atmospheric Physics, October 15-17, Alexandroupolis, Greece
157. Zervas E., Athanasopoulou S. Ioannides T., Pouloupoulos S., Katsaounou P. (2018), Diffusion of metals in the liquids of electronic cigarettes, The Union World Conference on Lung Health, 24-27 October, The Hague, The Netherlands

INVITED PLENARY LECTURES

1. Zervas E. (2008), Analysis of the European market of new passenger cars and correlations with their CO₂ emissions, *WWAI'08, October 24-26, 2008, Corfu, Greece.*
2. Zervas E. (2009), Autumn in Philippi plain – landscape in (smoke) fog. The impacts of straw and pet burning (Φθινόπωρο στον κάμπο των Φιλιππων – τοπίο στην (καπνο)ομίχλη. Οι συνέπειες της καύσης της καλαμιάς (και της τύρφης)), *Lugs and modern life, May 29-30, Philippi, Kavala, Greece, (in Greek).*
3. Zervas E. (2009), Non-regulated exhaust pollutants emitted from passenger cars of different technology, *5th International Conference on Energy, Environment, Ecosystems and Sustainable Development (EEESD'09), September 28-30, Athens, Greece.*
4. Zervas E. (2011), Relationship between economic growth and environmental degradation (Environmental Kuznets Curve), *7th International Conference on Energy, Environment, Ecosystems and Sustainable Development (EEESD'11), November 17-19, Angers, France.*
5. Zervas E. (2012), Application of descriptive statistical analysis and time series analysis on atmospheric pollution, *3rd International Conference on Development, Energy, Environment, Economics (DEEE '12), December 2-4, Paris, France.*
6. Zervas E. (2013), Smoking. A source of air pollutants from combustion (Κάπνισμα, Μια πηγή αερίων ρύπων από καύση), *22nd PanHellenic Respiratory Congress, Dec 5-7th, Athens, Greece (in Greek).*
7. Zervas E. (2015), e-cigarette constituents and particle emissions, ERS International Congress 2015, 26-30th September, *Amsterdam, Netherlands.*
8. Zervas E. (2017), Climate change in Thessaly during the last decades (Μεταβολές του κλίματος της Θεσσαλίας τις τελευταίες δεκαετίες), 1st PanHellenic Conference. Climate Change: Local administration and Thessaly facing the global challenge, June 9-10, Karditsa, Greece.
9. Zervas E. (2018), Novel tobacco products and their impact (Νέα προϊόντα καπνού και επιπτώσεις τους), 8th Panhellenic Atherosclerosis Conference, Nov 20th-Dec 1st, Athens, Greece.