

(CURRICULUM VITAE)

(Dr. Mihalis Lazaridis)

Academic Research:

- 1989-1991 Teaching and Research Assistant, Un. Helsinki, Finland
- 1991 Visiting Scientist
Institute of Chemical Kinetics and Combustion, Novosibirsk,
Research on the kinetics of heterogeneous nucleation
- 1991-1992 Researcher of the Nuclear Power Company Imatra Voima
- 1992-1993 Researcher: computer simulation, power plants technology
(Technical Research Centre of Finland, Nuclear Engineering Laboratory)
- 1993 – 1995 Post Doctoral position. Research on basic research
on aerosol dynamics. (Commission of the European Communities, Joint Research
Centre, Safety Technology Institute, Source Term Analysis Group)
- 1992 Visiting Scientist. Harvard University, School of Public Health, Department of
Environmental Health. (research on dispersion of sulphur particles in the
atmosphere)
- 1995-1996 Research Associate. Research on atmospheric dispersion of aerosols, basic
research on dynamical behaviour of aerosols. Nucleation of binary systems,
Monte Carlo simulation of phase transitions, Physics of Colloids (Aristotle
University of Thessaloniki, School of Science-Physics Department,
Laboratory of Atmospheric Physics)
- 1996-1998 Post Doctoral position. Research on particulate dispersion and transport in the
atmosphere and on the effects of pollutants on human health (Environmental
and Occupational Health Sciences Institute, Rutgers University, New Jersey)
- 1998-2001 Researcher: Atmospheric Particulate Matter Research.
(NILU, Norwegian Institute for Air Research)
- 12/98-06/99 Assistant Professor Department of Environmental Engineering, Technical
University of Crete
- 07/01-05/07 Assistant Professor Department of Environmental Engineering,
Technical University of Crete
- 05/07 – 03/12 Associate Professor Department of Environmental Engineering,
Technical University of Crete
- 03/12 – present Professor Department of Environmental Engineering,
Technical University of Crete

Associate Editor

1. Water, Air and Soil Pollution Journal. Associate Editor 07/02-01/15.
2. Report Series in Aerosol Science (Finnish Journal) 01/92-12/92.
3. Atmosphere. Associate Editor 01/18 – present
4. Journal of Environmental Exposure Assessment. Associate Editor 08/21 – present.

Research Grants Evaluation Chair/Vice Chair

Chair/Vice Chair in Research Panels for FP7, H2020, Horizon Europe, National Research Panels in Slovenia, Romania, Poland.

Reviewer

Environmental Science and Technology, Aerosol Science and Technology, Atmospheric Environment, Atmospheric Research, Journal of Geophysical Research, Journal of Applied Meteorology, Journal of Colloid and Interface Science, Journal of the Air and Waste Management Association, Water Air and Soil Pollution, Environmental Modelling and Software, Global Nest, Ambio, Tellus, Environmental Engineering Science, Environmental Pollution, Atmospheric Chemistry and Physics, Journal of Occupational Safety and Ergonomics, Environmental Science and Pollution Research, Journal of Aerosol Science, Building and Environment, Atmosphere, Aerosol and Air Quality Research, Air Quality Atmosphere and Health, Journal of Heritage Science, Heritage Science.

Research Grants

Principal Investigator in over 40 EU, NSF and national projects and over 10 project with industry. In the following, 5 recent research projects are presented.

1. LIFE+ Index - Air:-Development of an Integrated Exposure – Dose Management Tool for Reduction of Particulate Matter in Air. 2016 – 2021.
2. INTERREG Programme, EU, Air Quality in Museums (**Coordinator**) 2018 - 2021.
3. HEXACOMM EU Programme, Indoor Air Quality in Modern Environments (**Coordinator**) 2013 - 2016.
4. PANACEA, PANhellenic infrastructure for Atmospheric Composition and climate change Greek National Research Project 2018 – 2022.
5. CLIMPACT, National Network for Climate Change 2019 – 2022.

Publications

8 books, 130 international refereed publications (Web of Science h factor: 29, over 400 conference papers. In the following, 10 recent research articles are presented.

1. Aleksandropoulou, V. and Lazaridis M. (2017). Trends in population exposure to particulate matter in urban areas of Greece during the last decade. *Science of the Total Environment* 581, 399 -412.
2. Kopanakis, S. E. Chatoutsidou, T. Glytsos and M. Lazaridis (2018). Impact from local sources and variability of fine particle number concentration in a coastal sub-urban site. *Atmospheric Research* 213, 136 – 148.
3. Serfozo, N., Glytsos, T., Ondracek, J. and Lazaridis, M. (2018). Evaluation of Nanoparticle Emissions from a Laser Printer in an Experimental Chamber and Estimation of the Human Particle Dose. *Environmental Science and Pollution Research* 25, 13103 – 13117.
4. Chatoutsidou, S. E. and M. Lazaridis (2019). Assessment of the impact of particulate dry deposition on soiling of indoor cultural heritage objects found in churches and museums/libraries. *J. Cultural Heritage* 39, 221 - 228
5. Chalvatzaki, E., Chatoutsidou, S. E., Lehtomaki, H., Almeida, SM, Eleftheriadis, K., Hanninen, O. and M. Lazaridis (2019). Characterization of Human Health Risks from Particulate Air Pollution in Selected European Cities *Atmosphere* 10, issue 2, article number. 96, 10.3390/atmos10020096.
6. Chalvatzaki, E., Chatoutsidou, S. E., Martins, V., Faria, T., Diapouli, E., Manousakas, M., Almeida, S. M., Eleftheriadis, K. and Lazaridis, M. (2020). Assessment of the personal dose received by school children due to PM10 air pollution in Lisbon. *Aerosol and Air Quality Research* 20, 1384 – 1397.
7. S. E. Chatoutsidou, Saridaki, A., Katsivela, E., Raisi, L., Tsiamis, G., M. Lazaridis (2021). Airborne particles and microorganisms in a dental clinic: variability of indoor concentrations, impact of dental procedures and personal exposure during everyday practice. *Indoor Air* 31(4), 1164 - 1177.
8. Antti Korhonen, HélderRelvas, Ana Isabel Miranda, JoanaFerreira, DiogoLopes, Sandra Rafael Susana, Marta Almeida, TiagoFaria, VâniaMartins, NunoCanha, EvangeliaDiapouli, Konstantinos Eleftheriadis, Eleftheria Chalvatzaki, Mihalis Lazaridis, Heli Lehtomäki, IsabellRumrich, OttoHänninen (2021). *Science of the Total Environment* 785, 147111.
9. Chalvatzaki, E., Chatoutsidou, S. E. and Lazaridis, M. (2020). Deposition of pharmaceutical aerosols in the human respiratory tract by Dry Powder Inhalers (DPIs). *Journal of Drug Delivery Science and Technology* 59, 101915.
10. Chatoutsidou, S. E. and Lazaridis, M. (2020). Resuspension of spherical particles due to surface vibration. *Particuology* 54, 126 – 135.