

Vasiliki D. Assimakopoulos, Research Director of IERSD in **Urban Atmospheric Pollution**

QUALIFICATIONS

D.I.C. Urban Air Quality and Environmental Modelling, Imperial College of Science, Technology and Medicine, University of London, U.K., 2002

Ph.D. Numerical Modelling of Dispersion of Atmospheric Pollution in and above Urban Canopies, Imperial College of Science, Technology and Medicine, University of London, U.K., 2001

M.Eng. Civil and Environmental Engineering, Department of Civil Engineering, Imperial College of Science, Technology and Medicine, University of London, U.K., 1997

PROFESSIONAL EXPERIENCE

2020 – 2021: Research Director IERSD/National Observatory of Athens, Greece

2012 - 2020: Senior Researcher IERSD/National Observatory of Athens, Greece

2008 - 2012: Associate Researcher IERSD/National Observatory of Athens, Greece

2004 - 2008: Junior Researcher IERSD/National Observatory of Athens, Greece

2001 - 2004: Research Associate, Division of Environmental Physics and Meteorology, Physics Dept., National and Kapodistrian University of Athens, Greece

1998 - 2001: Collaborating Researcher, Laboratory of Heat Transfer and Environmental Engineering, Dept. of Mechanical Engineering, Aristotle University of Thessaloniki, Greece

AREAS OF EXPERTISE

Emission Inventory Development - National & Sub National/City Scale, Chemical Transport Modeling (WRF/CAMx), Personal Exposure, Indoor & Outdoor Air Quality, Awareness Raising - Environmental Protection

HONORS / FELLOWSHIPS / OTHER RELEVANT EXPERIENCE

Guest editor of *atmosphere* Special Issue: [Atmosphere | Special Issue : Advances in Integrated Air Quality Management: Emissions, Monitoring, Modelling \(mdpi.com\)](#)

President of the Scientific Council of IERSD (2020-2022; 2022-2024)

Member of the Technical Chamber of Greece and the City and Guilds Associateship, U.K.

PUBLICATIONS

Co-authored 55 papers published in refereed journals. The total number of citations to all my refereed papers is ~2200, while my h-index is 22 (source Scopus). *Representative papers:*

Assimakopoulos V.D., ApSimon H.M. and Moussiopoulos N., “A Numerical Study of Atmospheric Pollutant Dispersion in Different Two-Dimensional Street Canyon Configurations”, *Atmospheric Environment*, Vol. 37, 29, pp. 4037-4049 (2003).

K.M. Fameli and V.D. Assimakopoulos, “Development of a road transport emission inventory for Greece and the Greater Athens Area: Effects of important parameters”, *Science of The Total Environment*, 505, pp. 770–786 (2015).

Fameli, K.-M., Assimakopoulos, V.D., “The new open Flexible Emission Inventory for Greece and the Greater Athens Area (FEI-GREGAA): Account of pollutant sources and their importance from 2006 to 2012”, Atmospheric Environment, 137, pp. 17–37 (2016).

Assimakopoulos V.D., Bekiari T., Pateraki S., Maggos Th., P. Stamatis, Nicolopoulou P., Assimakopoulos M.N., “Assessing personal exposure to PM using data from an integrated indoor-outdoor experiment in Athens”, Science of the Total Environment 636, pp. 1303-1320 (2018).

Pisoni, E., Guerreiro, C., Lopez-Aparicio, S., (...), Sokolovski, E., Cuvelier, C., “Supporting the improvement of air quality management practices: The “FAIRMODE pilot” activity”, Journal of Environmental Management, 245, pp. 122-130 (2019).

Pateraki, S., Fameli, K.-M., Assimakopoulos, V., Bairachtari, K., Zagkos, A., Stavra, T., Bougiatioti, A., Maggos, T., Mihalopoulos, N., “Differentiation of the Athens Fine PM Profile during Economic Recession (March of 2008 Versus March of 2013): Impact of Changes in Anthropogenic Emissions and the Associated Health Effect”, Atmosphere, [https://doi.org/10.3390/atmos11101121\(2020\)](https://doi.org/10.3390/atmos11101121(2020)).

Fameli, K.-M., Kladakis, A., Assimakopoulos, V.D., “Inventory of Commercial Cooking Activities and Emissions in a Typical Urban Area in Greece”, Atmosphere, 2022, 13(5), 792

STUDENT AND POSTDOC SUPERVISION

Member of the progress review panel of 7 PhD and 10 MSc students. In addition, I have acted as advisor in more than 20 undergraduate theses.

RECENT RESEARCH FUNDING

FAIRCITY- Future smart city environment: Innovative air pollution monitoring network using info kiosk benches (ATTP4-0360457), NSRF 2014-2020, Regional operational programme for Attica, Project coordinator; NOA budget 130K€

LIFE PROFILE - Promote financial instruments for liability on environment (LIFE19 GIE/GR/001127), EU – LIFE, 15/11/2020-15/11/2023, NOA Coordinator, **NOA budget 65K€.**

AirPaP - Observatory of Air and Particulate Pollution over Greece (grant agreement No 409), HFRI/GSRI, 1/8/2018-17/12/2021, Collaborating Researcher, **NOA budget 110K€.**

Cyclurban - Cycling as an element of urban climate mitigation policy (EUKI – 81218709/17.9045.0-002.17), Deutsche Gesellschaft fur Internationale Zusammenarbeit (GIZ) GmbH, 1/11/2017-28/2/2020, NOA Coordinator, **NOA budget 46K€.**

LIFE Ask REACH - Enabling REACH consumer information rights on chemicals in articles by IT-tools (LIFE16 GIE/DE/000738), EU - LIFE, 1/9/2017-31/8/2023, NOA Coordinator, **NOA budget 170K€.**

KRIPIS II – THESPIA II - Development of synergistic and integrated methodologies and tools for the observation, management and forecast of environmental parameters and pressures, GSRI/NSRF, 1/9/2017-31/3/2021, NOA/IERSD Researcher-WP2 Leader, **NOA budget 700K€**

OTHER

President of the NOA Ethics Committee (2024 -)

President of the Research Advisory Committee of IERSD/NOA (2020 – 2024)

Member of the Scientific Committees of the 1st Conference of CIVINET Greece – Cyprus Network, under the title “Greek Society towards the Challenge of Sustainable Mobility on the horizon of 2030”, 9-10/12/2021 [CIVINET – Events \(oteacademy.gr\)](http://oteacademy.gr) and the 15th International COMECAP, 26-29/9/2021, [15th International Conference on Meteorology, Climatology and Atmospheric Physics - COMECAP 2020 \(conferre.gr\)](http://conferre.gr)

Reviewer for international scientific journals (e.g., STOTEN, Environment International, Atmosphere, Atmospheric Environment) and nationally funded project progress reports (e.g., GSRI-NSRF 2014-2020, HFRI)