

Short CV

Name	Dimitrios Melas
Position	<ul style="list-style-type: none"> • Professor, Physics Department, Aristotle University of Thessaloniki • Head of Physics Department, Aristotle University of Thessaloniki • Coordinator of the interdisciplinary scientific group «Atmospheric Monitoring and Modeling Services (ATMOS)”, <i>Center for Interdisciplinary Research and Innovation, AUTH</i>
Studies	<ul style="list-style-type: none"> • PhD in Meteorology, University of Uppsala (1990) • BSc in Meteorology, University of Uppsala (1984) • BSc in Physics, University of Ioannina (1982)
Scientific Expertise	<ul style="list-style-type: none"> • Boundary-Layer meteorology • Air quality modeling • Mesoscale meteorological modeling • Climate change
Research activities	<ul style="list-style-type: none"> • 142 publications in peer reviewed journals • >120 publications in peer reviewed international conference proceedings • Co-editor of two books in the international literature • >3600 citations; h-index: 34 • Coordinator or Principal Investigator in 39 research projects • Participation in 29 research projects as researcher • Organization of 4 conferences/workshops as head of the organizing committee • Participation in organizing and/or scientific committee of 10 conferences/workshops • Member of the editorial board in 3 international scientific journals • Reviewer in >25 international scientific journals • Supervisor in >50 BSc theses • Supervisor in >50 MSc theses • Supervisor in 11 doctoral theses – 7 already completed
Five recent publications	<ul style="list-style-type: none"> • Siomos, N., Balis, D., Poupkou, A., Liora, N., Dimopoulos, S., Melas, D., Giannakaki, E., Filioglou, M., Basart, S. and Chaikovsky, A., (2017) Investigating the quality of modeled aerosol profiles based on combined lidar and sunphotometer data. <i>Atmospheric Chemistry and Physics</i>, 17, pp. 7003–7023. • Pu, X., Wang, T.J., Huang, X., Melas, D., Zanis, P., Papanastasiou, D.K., Poupkou, A. (2017) Enhanced surface ozone during the heat wave of 2013 in Yangtze River Delta region, China. <i>Science of the Total Environment</i>, 603-604, 807-816. • Ciardini, V., Caporaso, L., Sozzi, R., Petenko, I., Bolignano, A., Morelli, M., Melas, D., Argentini, S. (2019) Interconnections of the urban heat island with the spatial and temporal micrometeorological variability in Rome, <i>Urban Climate</i>, 29, art. no. 100493 • Zerefos, C., Solomos, S., Melas, D., Kapsomenakis, J., Repapis, C. (2020) The role of weather during the Greek-Persian "Naval Battle of Salamis" in 480 B.C. <i>Open Access Atmosphere</i> 11(8), art. No. 838. • Kontos, S., Kakosimos, K., Liora, N., Poupkou, A., Melas, D. (2021) Towards a regional dust modeling system in the central Middle East: Evaluation, uncertainties and recommendations. <i>Atmospheric Environment</i> 246, art. no. 118160

Five recent research projects as Coordinator or Principal Investigator

- Coordinator in the research project “Regional Climate-Air Quality Interactions (REQUA)”, European Commission – Research Directorate General, FP7, (2013-2017).
- Principal Investigator in the research project “Emission models for fugitive particulate matter towards an online emission inventory for the Middle East Area”, Texas A&M University at Qatar (2015-2018).
- Coordinator in the research project “Innovative air quality monitoring and forecast system-KASTOM”, General Secretariat for Research and Technology (2018-2021).
- Coordinator in the research project “Implementation of a forecAsting System for urban heat Island effect for the development of urban adaptation strategies-LIFE ASTI”, Executive Agency for SMEs, European Commission (2018-2021).
- Principal Investigator in “National Network On Climate Change And Its Impacts-Climpact”, General Secretariat for Research and Technology (2019-2021).