

Georgios Grivas

Chemical Engineer PhD

Research Scientist, Institute for Environmental Research and Sustainable Development (IERSD/NOA)

A1. Personal Information

Date / Place of Birth: 31.07.1977 / Athens
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A2. Education

University Degrees

2013 **Engineering Doctorate (PhD)**
Department of Chemical Sciences, School of Chemical Engineering, National Technical University of Athens (NTUA)
 Doctoral Dissertation: “Particulate matter concentrations in the atmosphere of Athens: spatial and temporal variability – predictive models”

2000 **Chemical Engineering Diploma** (grade 7.94/10)
School of Chemical Engineering, National Technical University of Athens
 Diploma Thesis: “Particulate matter and air quality assessment in Athens”

Foreign Languages

English: Excellent (C2 – CPE, 1993) / Italian: Good (B2 – CELI 3, 2018)

A3. Work experience

2022 – now **Research Scientist (grade C)**
Institute for Environmental Research and Sustainable Development, National Observatory of Athens

2017-2022 **Post-Doctoral Researcher**
Institute for Environmental Research and Sustainable Development, National Observatory of Athens

2013-2015 **Post-Doctoral Researcher**
Laboratory of Hygiene, Epidemiology and Medical Statistics, School of Medicine, National and Kapodistrian University of Athens (NKUA)

2010-2011 **Research Associate**
Laboratory of Hygiene, Epidemiology and Medical Statistics, School of Medicine, National and Kapodistrian University of Athens

2009-2010 **Scientific Associate**
National Center for the Environment and Sustainable Development (NCESD)

2001-2012 **Research Associate – Teaching Assistant**
School of Chemical Engineering, National Technical University of Athens

A4. Professional Expertise

i) Scientific instrumentation

- Samplers and online analyzers for particulate matter
- Reference instrumentation for regulatory gaseous pollutants
- Particle number counters/sizers (CPC, OPC, SPMS)
- Online analyzers for aerosol chemical composition (metals, organic aerosols, elemental carbon)
- Monitors for aerosol optical properties (e.g. online and portable aethalometers)
- Sensor-based systems for gaseous/particulate pollutants and passive samplers for gases

ii) Scientific software

- Statistical analysis and modeling: SPSS, Statistica, IgorPro, Origin, Minitab, Matlab, RStudio etc.
- Spatial analysis/GIS: ESRI ArcGIS, QGIS
- Specialized software for air quality and receptor modelling: EPA-PMF, EPA-UNMIX, Openair, Zefir, NOAA Hysplit etc.

B1. Research experience and interests

- *Online and offline in situ measurements for the long-term characterization of air pollution in high temporal resolution*
 - Measurement of PM and gaseous pollutants using reference-grade or portable devices
 - Monitoring of particle number concentrations and size distributions
 - Characterization of aerosol optical properties with focus on absorbing particles
 - Online chemical analysis of aerosols for organic matter, elemental carbon and trace metals
- *Utilization of innovative sensor technologies for real-time monitoring of air quality in dense networks*
 - Implementation, evaluation and calibration of optical and electrochemical sensors for measurements of gaseous (CO, NO_x, O₃) and particulate (PM, BC) pollutants
 - Design and development of monitoring networks and online visualization [platforms](#), aimed at providing information to citizens-authorities and supporting spatial and atmospheric models
 - Utilization of sensors in novel monitoring platforms (e.g. mobile, pedestrian, personal) to provide information on the individual exposure to harmful pollutants
- *Statistical analysis of atmospheric data for the characterization of air quality*
 - Descriptive and inferential statistics for measurement quality assurance and data analysis
 - Time-series analysis (autoregressive models, spectral analysis)
 - Spatial analysis (geostatistics, spatial interpolation, GIS analysis, regression mapping)
 - Advanced models for continuous and discrete data (linear, generalized linear, mixed effects)
 - Multivariate techniques (factor analysis, PCA, cluster analysis)
- *Chemometric methods for aerosol source apportionment*
 - Receptor modeling with focus on Positive Matrix Factorization (PMF) for diverse aerosol data (e.g. ionic/elemental composition of fine-coarse particles, organic aerosols, polycyclic aromatic compounds, physical aerosol properties) on variable spatiotemporal scales
 - Tracer-based statistical models for source apportionment
 - Analysis of meteorological data and air mass back-trajectories for the geolocation of pollutant sources (e.g. CPF, CPBF, PSCF, CWT)
- *Predictive models for air pollution levels and episodes*
 - Artificial neural network models (e.g. MLP, RBF)
 - Meta-heuristic techniques for global optimization (genetic algorithms, simulated annealing)
 - Regression models, partial least squares models, classification-regression trees, random forests

B2. Participation in Research projects

- 1) "ERSILIA: Enhanced-Resolution Source Identification for Aerosol in Athens". Funding: NOA. Budget: 8,000€. 11/2022 – 05/2025 (*Principal Investigator*).
- 2) "Characterization study of air pollution spatial variability in Petroupoli". Funding: Association for the Development of West Athens (ASDA). Budget: 37,000€. 06/2023- 02/2025 (*Principal Investigator*).
- 3) "Air Quality Monitoring in the Glyfada Municipality". Funding: Municipality of Glyfada. 07/2025 – 06/2026.
- 4) "ATMO-ACCESS: Sustainable Access to Atmospheric Research Facilities". Funding: Horizon 2020. 03/2024 – 04/2025.
- 5) "REGENERATE: Reactive Oxygen Species in aerosols: assessing the health effect of particulate matter. Funding: GSRI/HFRI. 02/2024 – 05/2024.
- 6) "NAVGREEN: Green Shipping of Zero Carbon Footprint". Funding: RRF/Flagship actions in interdisciplinary scientific fields with a special focus on the productive fabric. 05/2023 – 10/2025.
- 7) "CiROCCO: Enhancing the In-situ Environmental Observations across Under-sampled Deserts". Funding: HE-CL6-2022-GOVERNANCE-01-07. 03/2023 – 09/2026 (*WP leader*).
- 8) "Urban ReLeaf: Citizen-powered data ecosystems for inclusive and green urban transitions". Funding: HE-CL6-2022-Governance-01-08. 01/2023 – 06/2026 (*Task leader*).
- 9) "CLIMPACT-2: Support for Enhancing the Operation of the National Network for Climate Change". Funding: GSRI/National Development Program. 03/2023 – 12/2025.
- 10) "InCASE: In Situ data for Climate Adaptation Showcases within EuroGEO". Funding: European Environmental Agency. 05/2022 – 03/2025.
- 11) "GAUSS: Generating Advanced Usage of Earth Observation for Smart Statistics". Funding: European Space Agency. Contractor: IERSD-NOA. 10/2021 – 05/2023.
- 12) "e-shape: EuroGEO Showcases, Pilot 2.3: EO-based pollution-health risks profiling in the urban environment". Funding: H2020. Contractor: IERSD-NOA. 01/2022 – 02/2022.
- 13) "PANACEA: Panhellenic infrastructure for atmospheric composition and climate change". Funding: National Strategic Reference Framework (NSRF) 2014-2020. Contractor: IERSD-NOA. 06/2020 – 12/2021.
- 14) "ERA PLANET: European network for observing our changing planet". Funding: ERA-NET-Cofund Grant/H2020. Contractor: IERSD-NOA. 04/2021 – 12/2021.
- 15) "Long-term characterization, in high temporal resolution, of the chemical composition and sources of the atmospheric aerosol over the greater Athens area". Funding: NSRF - Human Resources Development, Education and Lifelong Learning 2014-2020". Contractor: University of Crete. 01/2020 – 03/2021 (*post-doctoral research grant*).
- 16) "EMISSION: Environmental monitoring integrated system using an IoT network". Funding: ERDF/GSRT, Research Create Innovate (EDK). Contractor: IERSD-NOA. 11/2019 – 01/2021.
- 17) "InfraStress: Improving resilience of sensitive industrial plants & infrastructures exposed to cyber-physical threats, by means of an open testbed stress-testing system". Funding: H2020. Contractor: IERSD-NOA. 09/2019 – 11/2019.
- 18) "PiraeusAQ: Specialized measurements of atmospheric pollution in the greater area of Piraeus". Funding: Regional Authority of Attica. Contractor: IERSD-NOA. 11/2018 – 10/2019.
- 19) "Greece: State of the environment reporting (sections: Climate Change, Air Quality, Environmental Noise)". Funding: National Center of Environment and Sustainable Development. Contractor: IERSD-NOA. 02/2018 – 04/2018.
- 20) "ACTRIS II: Aerosols, Clouds, and Trace Gases Research Infrastructure Network". Funding: H2020. Contractor: IERSD-NOA. 09/2017 – 04/2018.
- 21) "Chemical composition of particulate matter in the atmosphere of Athens and identification/quantification of sources". Funding: National Scholarships Foundation (IKY-SIEMENS). 09/2016-08/2017 (*post-doctoral research grant*).

- 22) "RESPOZE-children: Respiratory effects of Ozone in children". Funding: National Strategic Reference Framework (NSRF) 2007-2013, ARISTEIA-I. Contractor: NKUA - School of Medicine. 07/2014 – 03/2015.
- 23) "TRANSPHORM: Transport Related Air Pollution and Health impacts – Integrated Methodologies for Assessing Particulate Matter". Funding: EU 7th Framework Programme. Contractor: Universiteit Utrecht. 01/2010 – 04/2011.
- 24) "ESCAPE: European Study of Cohorts for Air Pollution Effects". Funding: EU 7th Framework Programme, ENV.2007.1.2.2.2. Contractor: Universiteit Utrecht / NKUA - School of Medicine. 01/2010 – 04/2011.
- 25) "Carrying-out of the national reporting obligations according to the Geneva Convention, the 166/2006/EC Regulation and the Directives 99/13/EC και 2001/81/EC". Funding: Ministry for the Environment, City Planning and Public Works. Contractor: NCESD. 07/2009 – 03/2010.
- 26) "Study of fine and ultrafine particle pollution in the area of Athens - Spatiotemporal variation and source apportionment". Funding: ESF-Greek Ministry of Education (EPEAEK-II: Pythagoras-II). Contractor: NTUA. 03/2005 – 12/2007.
- 27) "Upgrading the curriculum of the School of Chemical Engineering, NTUA, by incorporating information technologies". Funding: ESF - Greek Ministry of Education (EPEAEK-II). Contractor: NTUA. 09/2004 – 03/2005.
- 28) "Study of the chemical composition of respirable particles (PM10) in the atmosphere of Athens". Funding: ERDF - Greek Ministry for the Environment, City Planning and Public Works (EPPER 2000-2006). Contractor: Aristotle University of Thessaloniki. 07/2001 – 06/2002.
- 29) "Creation of a laboratory network for total environmental quality control". Funding: Operational Program for Research and Technology (EPET-II), GSRT-Impetus. Contractor: NKUA. 04/2001 – 10/2001.
- 30) "Preparation of the Regional Plan for Climate Change Adaptation (PESPKA) in Attica". Funding: Regional Authority of Attica. Contractor: IERSD-NOA. 03/2020 – 07/2020.
- 31) "Creation of multimedia-based educational material on innovative technologies and management systems in the fields of environment, energy and security". Funding: ERDF-INTERREG. Contractor: NTUA. 11/2000 – 06/2001.

B3. Participation in Scientific Associations

- Member of the NOA Researchers Association
- Member of the Atmospheric Chemistry and Physics Group (APCG), IERSD-NOA
- Member of the General Assembly of the Research Infrastructure PANGEA
- Member of the Hellenic Association for Aerosol Research (HAAR)
- Member of the European Geosciences Union (EGU)
- Member of the American Chemical Society (ACS)
- Member of the Technical Chamber of Greece

C1. Reviewed publications

(as of June 2025)

i) Dissertations

- 1) **G. Grivas**: "Particulate matter and air quality assessment in Athens", *Diploma Thesis*. School of Chemical Engineering, NTUA, 2000, pages 212.
- 2) **G. Grivas**: "Particulate matter concentrations in the atmosphere of Athens: spatial and temporal variability – predictive models", *Doctoral Dissertation*. School of Chemical Engineering, NTUA, 2013, pages 506, [doi: 10.12681/eadd/43211](https://doi.org/10.12681/eadd/43211)

ii) Book Chapters

- 1) N. Mihalopoulos, V. Assimakopoulos, E. Gerasopoulos, C. Giannakopoulos, **G. Grivas**, A. Kotronarou: "Climate Change – Air Quality – Environmental Noise", in: *"Greece: State of the Environment Report 2018"*. Athens: National Center of Environment and Sustainable Development, ISBN: 978-960-99033-7-0, pp. 24-225.
- 2) D. Kaskaoutis, E. Liakakou, **G. Grivas**, E. Gerasopoulos, N. Mihalopoulos, A. Alastuey, F. Dulac, M. Pandolfi, J. Sciare, G. Titos: "Chemical composition and levels of concentrations of aerosols in the Mediterranean", in: F. Dulac, S. Sauvage, E. Hamonou (eds.) *"Atmospheric Chemistry in the Mediterranean Region"*. Cham: Springer, 253-311, 2023, [doi: 10.1007/978-3-031-12741-0_9](https://doi.org/10.1007/978-3-031-12741-0_9)
- 3) D. Kaskaoutis, E. Liakakou, **G. Grivas**, E. Gerasopoulos, N. Mihalopoulos, A. Alastuey, F. Dulac, U.C. Dumka, M. Pandolfi, M. Pikridas, J. Sciare, G. Titos: "Inter-annual variability and long-term trends of aerosols above the Mediterranean", in: F. Dulac, S. Sauvage, E. Hamonou (eds.) *"Atmospheric Chemistry in the Mediterranean Region"*. Cham: Springer, 357-390, 2023, [doi: 10.1007/978-3-031-12741-0_11](https://doi.org/10.1007/978-3-031-12741-0_11)
- 4) M.O.P. Ramacher, J. Bieser, E. Athanasopoulou, A. Kakouri, **G. Grivas**, O. Speyer, V. Matthias: "Why current exposure estimates are biased low - the impact of population activity on regional scale exposure to air pollution", in: C. Mensik, R. Mathur, S. Arunachalam (eds.) *"Air Pollution Modeling and its Application XXIX"*. ITM 2023. Springer Proceedings in Complexity. Cham: Springer, 227-235, 2025, [doi:10.1007/978-3-031-70424-6_28](https://doi.org/10.1007/978-3-031-70424-6_28)

iii) Journal articles

(* as corresponding author)

- 1) A. Chaloulakou, **G. Grivas**, N. Spyrellis: "Neural network and multiple regression models for PM₁₀ prediction in Athens. A comparative assessment", *Journal of the Air and Waste Management Association*, 53, 1183-1190, 2003, [doi: 10.1080/10473289.2003.10466276](https://doi.org/10.1080/10473289.2003.10466276)
- 2) **G. Grivas**, A. Chaloulakou, C. Samara, N. Spyrellis: "Spatial and temporal variation of PM₁₀ mass concentrations within the Greater Area of Athens, Greece", *Water Air Soil Pollution*, 158, 357-371, 2004, [doi: 10.1023/B:WATE.0000044859.84066.09](https://doi.org/10.1023/B:WATE.0000044859.84066.09)
- 3) A. Chaloulakou, P. Kassomenos, **G. Grivas**, N. Spyrellis: "Particulate matter and black smoke concentration levels in Central Athens, Greece", *Environment International*, 31, 651-659, 2005, [doi: 10.1016/j.envint.2004.11.001](https://doi.org/10.1016/j.envint.2004.11.001)
- 4) N. Manalis, **G. Grivas**, V. Protonotarios, A. Moutsatsou, C. Samara, A. Chaloulakou: "Toxic metal content of particulate matter (PM₁₀) within the Greater Area of Athens", *Chemosphere*, 60, 557-566, 2005, [doi: 10.1016/j.chemosphere.2005.01.003](https://doi.org/10.1016/j.chemosphere.2005.01.003)
- 5) **G. Grivas**, A. Chaloulakou: "Artificial neural network models for prediction of PM₁₀ hourly concentrations, in the Greater Area of Athens, Greece", *Atmospheric Environment*, 40, 1216-1229, 2006, [doi: 10.1016/j.atmosenv.2005.10.036](https://doi.org/10.1016/j.atmosenv.2005.10.036)
- 6) I. Gavril, **G. Grivas**, P. Kassomenos, A. Chaloulakou, N. Spyrellis: "An application of theoretical probability distributions, to the study of PM₁₀ and PM_{2.5}-time series in Athens, Greece", *Global Nest Journal*, 8, 241-251, 2006, [doi: 10.30955/gnj.000401](https://doi.org/10.30955/gnj.000401)
- 7) E. Diapouli, **G. Grivas**, A. Chaloulakou, N. Spyrellis: "PM₁₀ and ultrafine particles counts in-vehicle and on-road in the Athens Area", *Water Air Soil Pollution Focus*, 8, 89-97, 2008, [doi: 10.1007/s11267-007-9136-8](https://doi.org/10.1007/s11267-007-9136-8)
- 8) **G. Grivas**, A. Chaloulakou, P. Kassomenos: "An overview of the particle pollution problem in the Metropolitan Area of Athens, Greece. Assessment of controlling factors and potential impact of long range transport", *Science of the Total Environment*, 389, 165-177, 2008, [doi: 10.1016/j.scitotenv.2007.08.048](https://doi.org/10.1016/j.scitotenv.2007.08.048)
- 9) E. Koulouri, **G. Grivas**, E. Gerasopoulos, A. Chaloulakou, N. Mihalopoulos, N. Spyrellis: "A study of size-segregated particle (PM₁, PM_{2.5}, PM₁₀) concentrations over Greece", *Global Nest Journal*, 10, 132-139, 2008, [doi: 10.30955/gnj.000554](https://doi.org/10.30955/gnj.000554)
- 10) C. Theodosi, **G. Grivas**, P. Zarnpas, A. Chaloulakou, N. Mihalopoulos: "Mass and chemical

- composition of size-segregated aerosols (PM₁, PM_{2.5}, PM₁₀) over Athens, Greece: Local versus regional sources”, *Atmospheric Chemistry and Physics*, 11, 11895-11911, 2011, [doi: 10.5194/acp-11-11895-2011](https://doi.org/10.5194/acp-11-11895-2011)
- 11) **G. Grivas***, S. Cheristanidis, A. Chaloulakou: “Elemental and organic carbon in the urban environment of Athens. Seasonal and diurnal variations and estimates of secondary organic carbon”, *Science of the Total Environment*, 414, 535-545, 2012, [doi: 10.1016/j.scitotenv.2011.10.058](https://doi.org/10.1016/j.scitotenv.2011.10.058)
 - 12) P. Kassomenos, S. Vardoulakis, A. Chaloulakou, **G. Grivas**, R. Borge, J. Lumbreras: “Levels, sources and seasonality of coarse particles (PM₁₀-PM_{2.5}) in three European Capitals - Implications for particulate pollution control”, *Atmospheric Environment*, 54, 337-347, 2012, [doi: 10.1016/j.atmosenv.2012.02.051](https://doi.org/10.1016/j.atmosenv.2012.02.051)
 - 13) M. Eeftens, M.-Y. Tsai, C. Ampe, B. Anwander, R. Beelen, T. Bellander, G. Cesaroni, M. Cirach, J. Cyrys, K. de Hoogh, A. De Nazelle, F. de Vocht, C. Declercq, A. Dedele, K. Eriksen, C. Galassi, R. Grazuleviciene, **G. Grivas**, (...), G. Hoek: “Spatial variation of PM_{2.5}, PM₁₀, PM_{2.5} absorbance and PMcoarse concentrations between and within 20 European study areas and the relationship with NO₂ – Results of the ESCAPE project”, *Atmospheric Environment*, 62, 303-317, 2012, [doi: 10.1016/j.atmosenv.2012.08.038](https://doi.org/10.1016/j.atmosenv.2012.08.038)
 - 14) J. Cyrys, M. Eeftens, J. Heinrich, C. Ampe, A. Armengaud, R. Beelen, T. Bellander, T. Beregszaszi, M. Birk, G. Cesaroni, M. Cirach, K. de Hoogh, A. De Nazelle, F. de Vocht, C. Declercq, A. Dedele, K. Dimakopoulou, K. Eriksen, C. Galassi, R. Grauleviciene, **G. Grivas**, (...), G. Hoek: “Variation of NO₂ and NO_x concentrations between and within 36 European study areas: Results from the ESCAPE study”, *Atmospheric Environment*, 62, 374-390, 2012, [doi: 10.1016/j.atmosenv.2012.07.080](https://doi.org/10.1016/j.atmosenv.2012.07.080)
 - 15) P. Kassomenos, S. Vardoulakis, A. Chaloulakou, A. Paschalidou, **G. Grivas**, R. Borge, J. Lumbreras: “Study of PM₁₀ and PM_{2.5} levels in three European cities: Analysis of inter- and intra-urban variations”, *Atmospheric Environment*, 87, 153-163, 2014, [doi: 10.1016/j.atmosenv.2014.01.004](https://doi.org/10.1016/j.atmosenv.2014.01.004)
 - 16) M. Wang, R. Beelen, T. Bellander, M. Birk, G. Cesaroni, M. Cirach, J. Cyrys, K. de Hoogh, C. Declercq, K. Dimakopoulou, M. Eeftens, K.T. Eriksen, F. Forastiere, C. Galassi, **G. Grivas**, (...), B. Brunekreef: “Performance of multi-city land use regression models for nitrogen dioxide and fine particles”, *Environmental Health Perspectives*, 122, 843-849, 2014, [doi: 10.1289/ehp.1307271](https://doi.org/10.1289/ehp.1307271)
 - 17) M.Y. Tsai, G. Hoek, T. Beregszaszi, G. Cesaroni, M. Cirach, J. Cyrys, K. de Hoogh, A. De Nazelle, F. de Vocht, C. Declercq, R. Ducret-Stich, M. Eeftens, C. Galassi, R. Grazuleviciene, T. Grazuleviciene, **G. Grivas**, (...), B. Brunekreef: “Spatial variation of PM elemental composition between and within 20 European study areas - Results of the ESCAPE project”, *Environment International*, 84, 181-192, 2015, [doi: 10.1016/j.envint.2015.04.015](https://doi.org/10.1016/j.envint.2015.04.015)
 - 18) E. Samoli, K. Dimakopoulou, D. Evangelopoulos, S. Rodopoulou, A. Karakatsani, L. Veneti, M. Sionidou, I. Tsolakoglou, I. Krasanaki, **G. Grivas**, D. Papakosta, K. Katsouyanni: “Is daily exposure to ozone associated with respiratory morbidity and lung function in a representative sample of schoolchildren? Results from a panel study in Greece”, *Journal of Exposure Science and Environmental Epidemiology*, 27, 346-351, 2017, [doi: 10.1038/jes.2016.32](https://doi.org/10.1038/jes.2016.32)
 - 19) K. Dimakopoulou, **G. Grivas**, E. Samoli, S. Rodopoulou, D. Spyrtatos, D. Papakosta, A. Karakatsani, A. Chaloulakou, K. Katsouyanni: “Determinants of personal exposure to ozone in school children. Results from a panel study in Greece”, *Environmental Research*, 154, 66-72, 2017, [doi: 10.1016/j.envres.2016.12.020](https://doi.org/10.1016/j.envres.2016.12.020)
 - 20) **G. Grivas***, K. Dimakopoulou, D. Papakosta, A. Karakatsani, K. Katsouyanni, A. Chaloulakou: “Ozone exposure assessment for children in Greece: Results from the RESPOZE study”, *Science of the Total Environment*, 581-582, 518-529, 2017, [doi: 10.1016/j.scitotenv.2016.12.159](https://doi.org/10.1016/j.scitotenv.2016.12.159)
 - 21) A. Karakatsani, E. Samoli, S. Rodopoulou, K. Dimakopoulou, D. Papakosta, D. Spyrtatos, **G. Grivas**, S. Tassi, N. Aggelis, A. Thirios, A. Tsiotsios, K. Katsouyanni: “Weekly personal ozone exposure and respiratory health in a panel of Greek schoolchildren”, *Environmental Health Perspectives*, 125, 077016/1-12, 2017, [doi:10.1289/EHP635](https://doi.org/10.1289/EHP635)
 - 22) N. Angelis, D. Spyrtatos, K. Domvri, K. Dimakopoulou, E. Samoli, G. Kalamaras, A. Karakatsani, **G. Grivas**, K. Katsouyanni, D. Papakosta: “Effect of ambient ozone exposure assessed by individual monitors on nasal function and exhaled NO among school children in the area of Thessaloniki, Greece”, *Journal of Occupational and Environmental Medicine*, 59, 509-515, 2017, [doi: 10.1093/aje/kwx001](https://doi.org/10.1093/aje/kwx001)

[10.1097/JOM.0000000000001011](https://doi.org/10.1097/JOM.0000000000001011)

- 23) **G. Grivas***, S. Cheristanidis, A. Chaloulakou, P. Koutrakis, N. Mihalopoulos: "Elemental composition and source apportionment of fine and coarse particles at traffic and urban background locations in Athens, Greece", *Aerosol and Air Quality Research*, 18, 1642-1659, 2018, [doi: 10.4209/aaqr.2017.12.0567](https://doi.org/10.4209/aaqr.2017.12.0567)
- 24) C. Theodosi, M. Tsagkaraki, P. Zarmas, **G. Grivas**, E. Liakakou, D. Paraskevopoulou, M. Lianou, E. Gerasopoulos, N. Mihalopoulos: "Multiyear chemical composition of the fine aerosol fraction in Athens, Greece, with emphasis on the contribution of residential heating in winter time", *Atmospheric Chemistry and Physics*, 18, 14371-14391, 2018, [doi: 10.5194/acp-18-14371-2018](https://doi.org/10.5194/acp-18-14371-2018)
- 25) I. Stavroulas, A. Bougiatioti, **G. Grivas**, D. Paraskevopoulou, M. Tsagkaraki, P. Zarmas, E. Liakakou, E. Gerasopoulos, N. Mihalopoulos: "Sources and processes that control the submicron organic aerosol composition in an urban Mediterranean environment (Athens): a high temporal resolution chemical composition measurement study", *Atmospheric Chemistry and Physics*, 19, 901-919, 2019, [doi: 10.5194/acp-19-901-2019](https://doi.org/10.5194/acp-19-901-2019)
- 26) **G. Grivas***, I. Stavroulas, E. Liakakou, D. Kaskaoutis, A. Bougiatioti, D. Paraskevopoulou, E. Gerasopoulos, N. Mihalopoulos: "Measuring the spatial variability of Black Carbon in Athens during wintertime", *Air Quality Atmosphere and Health*, 12, 1405-1417, 2019, [doi: 10.1007/s11869-019-00756-y](https://doi.org/10.1007/s11869-019-00756-y)
- 27) K. Dimakopoulou, J. Douros, E. Samoli, A. Karakatsani, S. Rodopoulou, D. Papakosta, **G. Grivas**, G. Tsilingiridis, I. Mudway, N. Moussiopoulos, K. Katsouyanni: "Long-term exposure to ozone and children's respiratory health: Results from the RESPOZE study", *Environmental Research*, 182, 109002, 2020, [doi: 10.1016/j.envres.2019.109002](https://doi.org/10.1016/j.envres.2019.109002)
- 28) E. Liakakou, I. Stavroulas, D. Kaskaoutis, **G. Grivas**, D. Paraskevopoulou, U.C. Dumka, M. Tsagkaraki, A. Bougiatioti, K. Oikonomou, J. Sciare, E. Gerasopoulos, N. Mihalopoulos: "Long-term variability, source apportionment and spectral properties of black carbon at an urban background site in Athens, Greece", *Atmospheric Environment*, 222, 117137, 2020, [doi: 10.1016/j.atmosenv.2019.117137](https://doi.org/10.1016/j.atmosenv.2019.117137)
- 29) E. Liakakou, D. Kaskaoutis, **G. Grivas**, I. Stavroulas, M. Tsagkaraki, D. Paraskevopoulou, A. Bougiatioti, E. Gerasopoulos, N. Mihalopoulos: "Long-term brown carbon spectral characteristics in a Mediterranean city (Athens)", *Science of the Total Environment*, 708, 135019, 2020, [doi: 10.1016/j.scitotenv.2019.135019](https://doi.org/10.1016/j.scitotenv.2019.135019)
- 30) D. Kaskaoutis, **G. Grivas**, C. Theodosi, M. Tsagkaraki, D. Paraskevopoulou, I. Stavroulas, E. Liakakou, A. Gkikas, N. Hatzianastassiou, C. Wu, E. Gerasopoulos, N. Mihalopoulos: "Carbonaceous aerosols in contrasting atmospheric environments in Greek Cities: Evaluation of the EC-tracer methods for secondary organic carbon estimation", *Atmosphere*, 11, 161, 2020, [doi: 10.3390/atmos11020161](https://doi.org/10.3390/atmos11020161)
- 31) P. Kalkavouras, A. Bougiatioti, **G. Grivas**, I. Stavroulas, N. Kalivitis, E. Liakakou, E. Gerasopoulos, C. Pilinis, N. Mihalopoulos: "On the regional aspects of new particle formation in the Eastern Mediterranean: a comparative study between a background and an urban site based on long term observations", *Atmospheric Research*, 239, 104, 911, 2020, [doi: 10.1016/j.atmosres.2020.104911](https://doi.org/10.1016/j.atmosres.2020.104911)
- 32) S. Cheristanidis, **G. Grivas**, A. Chaloulakou: "Determination of total and lung-deposited particle surface area concentrations, in central Athens, Greece", *Environmental Monitoring and Assessment*, 192, 62, 2020, [doi: 10.1007/s10661-020-08569-8](https://doi.org/10.1007/s10661-020-08569-8)
- 33) I. Stavroulas, **G. Grivas***, P. Michalopoulos, E. Liakakou, A. Bougiatioti, P. Kalkavouras, K.M. Fameli, N. Hatzianastassiou, N. Mihalopoulos, E. Gerasopoulos: "Field evaluation of low-cost PM sensors (Purple Air PA-II) under variable urban air quality conditions, in Greece", *Atmosphere*, 11, 926, 2020, [doi: 10.3390/atmos11090926](https://doi.org/10.3390/atmos11090926)
- 34) **G. Grivas***, E. Athanasopoulou, A. Kakouri, J. Bailey, E. Liakakou, I. Stavroulas, P. Kalkavouras, A. Bougiatioti, D. Kaskaoutis, M. Ramonet, N. Mihalopoulos, E. Gerasopoulos: "Integrating in situ measurements and city scale modelling to assess the COVID-19 lockdown effects on emissions and air quality in Athens, Greece", *Atmosphere*, 11, 1174, 2020, [doi: 10.3390/atmos11111174](https://doi.org/10.3390/atmos11111174)
- 35) K. Dimitriou, **G. Grivas**, E. Liakakou, E. Gerasopoulos, N. Mihalopoulos: "Assessing the contribution of regional sources to urban air pollution by applying 3D-PSCF modeling", *Atmospheric Research*,

- 248, 10518, 2021, [doi: 10.1016/j.atmosres.2020.105187](https://doi.org/10.1016/j.atmosres.2020.105187)
- 36) R. Dahmardeh Behrooz, D. Kaskaoutis, **G. Grivas**, N. Mihalopoulos: "Human health risk assessment for toxic elements in the extreme ambient dust conditions observed in Sistan, Iran", *Chemosphere*, 262, 127835, 2021, [doi: 10.1016/j.chemosphere.2020.127835](https://doi.org/10.1016/j.chemosphere.2020.127835)
 - 37) D. Kaskaoutis, **G. Grivas**, I. Stavroulas, E. Liakakou, U.C. Dumka, K. Dimitriou, E. Gerasopoulos, N. Mihalopoulos: "In situ identification of aerosol types in Athens, Greece, based on long-term optical and on online chemical characterization", *Atmospheric Environment*, 246, 118070, 2021, [doi: 10.1016/j.atmosenv.2020.118070](https://doi.org/10.1016/j.atmosenv.2020.118070)
 - 38) D. Kaskaoutis, **G. Grivas**, E. Liakakou, N. Kalivitis, G. Kouvarakis, I. Stavroulas, P. Kalkavouras, P. Zampas, U.C. Dumka, E. Gerasopoulos, N. Mihalopoulos: "Assessment of the COVID-19 Lockdown effects on spectral aerosol scattering and absorption properties in Athens, Greece", *Atmosphere*, 12, 231, 2021, [doi: 10.3390/atmos12020231](https://doi.org/10.3390/atmos12020231)
 - 39) M. Tsagkaraki, C. Theodosi, **G. Grivas***, E. Vargiakaki, J. Sciare, C. Savvides, N. Mihalopoulos: "Spatiotemporal variability and sources of aerosol water-soluble organic nitrogen (WSO_N), in the Eastern Mediterranean", *Atmospheric Environment*, 246, 118144, 2021, [doi: 10.1016/j.atmosenv.2020.118144](https://doi.org/10.1016/j.atmosenv.2020.118144)
 - 40) D. Kaskaoutis, **G. Grivas***, I. Stavroulas, A. Bougiatioti, E. Liakakou, U.C. Dumka, E. Gerasopoulos, N. Mihalopoulos: "Apportionment of black and brown carbon spectral absorption sources in the urban environment of Athens, Greece, during winter", *Science of the Total Environment*, 801, 149739, 2021, [doi:10.1016/j.scitotenv.2021.149739](https://doi.org/10.1016/j.scitotenv.2021.149739)
 - 41) D. Kaskaoutis, **G. Grivas**, I. Stavroulas, E. Liakakou, U.C. Dumka, E. Gerasopoulos, N. Mihalopoulos: "Effect of aerosol types from various sources at an urban location on spectral curvature of scattering and absorption coefficients", *Atmospheric Research*, 264, 105165, 2021, [doi: 10.1016/j.atmosres.2021.105865](https://doi.org/10.1016/j.atmosres.2021.105865)
 - 42) R. Sheoran, U.C. Dumka, D. Kaskaoutis, **G. Grivas**, K. Ram, J. Prakash, R. Hooda, R. Tiwari, N. Mihalopoulos: "Chemical Composition and Source Apportionment of Total Suspended Particulates in the Central Himalayan Region", *Atmosphere*, 12, 1228, 2021, [doi: 10.3390/atmos12091228](https://doi.org/10.3390/atmos12091228)
 - 43) I. Tsiodra, **G. Grivas**, K. Tavernaraki, A. Bougiatioti, M. Apostolaki, D. Paraskevopoulou, A. Gogou, C. Parinos, K. Oikonomou, M. Tsagkaraki, P. Zampas, A. Nenes, N. Mihalopoulos: "Annual exposure to PAHs in urban environments linked to wintertime wood-burning episodes", *Atmospheric Chemistry and Physics*, 21, 17865–17883, 2021, [doi: 10.5194/acp-21-17865-2021](https://doi.org/10.5194/acp-21-17865-2021)
 - 44) I. Stavroulas, **G. Grivas***, E. Liakakou, P. Kalkavouras, A. Bougiatioti, D. Kaskaoutis, M. Lianou, K. Papoutsidaki, M. Tsagkaraki, P. Zampas, E. Gerasopoulos, N. Mihalopoulos: "Online chemical characterization and sources of submicron aerosol in the major Mediterranean port city of Piraeus, Greece", *Atmosphere*, 12, 1686, 2021, [doi: 10.3390/atmos12121686](https://doi.org/10.3390/atmos12121686)
 - 45) E. Liakakou, L. Foutziou, D. Paraskevopoulou, O. Speyer, M. Lianou, **G. Grivas**, S. Myriokefalitakis, N. Mihalopoulos: "High-Resolution measurements of SO₂, HNO₃ and HCl at the urban environment of Athens, Greece: Levels, variability and gas to particle partitioning", *Atmosphere*, 13, 218, 2021, [doi: 10.3390/atmos13020218](https://doi.org/10.3390/atmos13020218)
 - 46) E. Liakakou, A. Panopoulou, **G. Grivas**, P. Kritikou, P. Panagopoulos, T. Maggos, E. Gerasopoulos, S. Sauvage, N. Mihalopoulos: "Variability and sources of NHMCs at a coastal urban location in the Piraeus Port", *Atmospheric Pollution Research*, 13, 101386, 2022, [doi: 10.1016/j.apr.2022.101386](https://doi.org/10.1016/j.apr.2022.101386)
 - 47) D. Kaskaoutis, **G. Grivas**, K. Oikonomou, P. Tavernaraki, K. Papoutsidaki, M. Tsagkaraki, I. Stavroulas, P. Zampas, D. Paraskevopoulou, A. Bougiatioti, E. Liakakou, M. Gavrouzou, Umesh Dumka, N. Hatzianastassiou, J. Sciare, E. Gerasopoulos, N. Mihalopoulos: "Impacts of severe residential wood burning on atmospheric processing, water-soluble organic aerosol and light absorption, in an inland city of Southeastern Europe". *Atmospheric Environment*, 281, 119139, 2022, [doi: 10.1016/j.atmosenv.2022.119139](https://doi.org/10.1016/j.atmosenv.2022.119139)
 - 48) D. Paraskevopoulou, D. Kaskaoutis, **G. Grivas**, S. Bikkina, M. Tsagkaraki, I.M. Vrettou, K. Tavernaraki, K. Papoutsidaki, I. Stavroulas, E. Liakakou, A. Bougiatioti, K. Oikonomou, E. Gerasopoulos, N. Mihalopoulos: "Brown carbon absorption and radiative effects under intense residential wood burning conditions in Southeastern Europe: new insights into the abundance and

- absorptivity of methanol-soluble organic aerosols”, *Science of the Total Environment*, 860, 160434, 2023, [doi: 10.1016/j.scitotenv.2022.160434](https://doi.org/10.1016/j.scitotenv.2022.160434)
- 49) K. Dimitriou, I. Stavroulas, **G. Grivas**, C. Chatzidiakos, G. Kosmopoulos, A. Kazantzidis, K. Kourtidis, A. Karagioras, N. Hatzianastassiou, S.N. Pandis, N. Mihalopoulos, E. Gerasopoulos: “Intra- and inter-city variability of PM_{2.5} concentrations in Greece as determined with a low-cost sensor network”, *Atmospheric Environment*, 301, 119713, 2023, [doi: 10.1016/j.atmosenv.2023.119713](https://doi.org/10.1016/j.atmosenv.2023.119713)
 - 50) D. Paraskevopoulou, S. Bikkina, D. Kaskaoutis, **G. Grivas**, M. Tsagkaraki, K. Tavernaraki, N. Mihalopoulos: “A direct method to quantify methanol-soluble organic carbon for brown carbon absorption studies”, *MethodsX*, 11, 102313, 2023, [doi: 10.1016/j.mex.2023.102313](https://doi.org/10.1016/j.mex.2023.102313)
 - 51) D.G. Kaskaoutis, K. Petrinoli, **G. Grivas**, P. Kalkavouras, M. Tsagkaraki, K. Tavernaraki, K. Papoutsidaki, I. Stavroulas, D. Paraskevopoulou, A. Bougiatioti, E. Liakakou, A. Rashki, R.E.P. Sotiropoulou, E. Tagaris, E. Gerasopoulos, N. Mihalopoulos: “Impact of peri-urban forest fires on air quality and aerosol optical and chemical properties: The case of the August 2021 wildfires in Athens, Greece”, *Science of the Total Environment*, 907, 168028, 2024, [doi: 10.1016/j.scitotenv.2023.168028](https://doi.org/10.1016/j.scitotenv.2023.168028)
 - 52) I. Stavroulas, A. Bougiatioti, **G. Grivas**, E. Liakakou, K. Petrinoli, K. Kourtidis, E. Gerasopoulos, N. Mihalopoulos: “Cooking as an Organic Aerosol source leading to urban Air Quality degradation”, *Science of the Total Environment*, 908, 168031, 2024, [doi: 10.1016/j.scitotenv.2023.168031](https://doi.org/10.1016/j.scitotenv.2023.168031)
 - 53) P. Kalkavouras, **G. Grivas***, I. Stavroulas, K. Petrinoli, A. Bougiatioti, E. Liakakou, E. Gerasopoulos, N. Mihalopoulos: “Source apportionment of fine and ultrafine particle number concentrations in a major city of the Eastern Mediterranean”, *Science of the Total Environment*, 915, 170042, 2024, [doi: 10.1016/j.scitotenv.2024.170042](https://doi.org/10.1016/j.scitotenv.2024.170042)
 - 54) M. Garcia-Marlès, R. Lara, C. Reche, N. Pérez, A. Tobías, M. Savadkoohi, D. Beddows, I. Salma, M. Vörösmarty, T. Weidinger, C. Hueglin, N. Mihalopoulos, **G. Grivas**, (...) X. Querol: “Inter-annual trends of ultrafine particles in urban Europe”, *Environment International*, 185, 108510, 2024, [doi:10.1016/j.envint.2024.108510](https://doi.org/10.1016/j.envint.2024.108510)
 - 55) I. Tsiodra, K. Tavernaraki, **G. Grivas**, C. Parinos, K. Papoutsidaki, D. Paraskevopoulou, E. Liakakou, A. Gogou, A. Bougiatioti, M. Kanakidou, E. Gerasopoulos, N. Mihalopoulos: “Spatiotemporal gradients of PAH concentrations in Greek cities and associated exposure impacts”, *Toxics*, 12, 293, 2024, [doi:10.3390/toxics12040293](https://doi.org/10.3390/toxics12040293)
 - 56) S. Myriokefalitakis, M. Karl, K.A. Weiss, D. Karagiannis, E. Athanasopoulou, A. Kakouri, A. Bougiatioti, E. Liakakou, I. Stavroulas, G. Papangelis, **G. Grivas**, D. Paraskevopoulou, O. Speyer, N. Mihalopoulos, E. Gerasopoulos: “Analysis of secondary inorganic aerosols over the Greater Area of Athens using the EPISODE-CityChem source dispersion and photochemistry model”, *Atmospheric Chemistry and Physics*, 24, 7815–7835, 2024, [doi: 10.5194/acp-24-7815-2024](https://doi.org/10.5194/acp-24-7815-2024)
 - 57) I. Tsiodra, **G. Grivas**, A. Bougiatioti, K. Tavernaraki, C. Parinos, D. Paraskevopoulou, K. Papoutsidaki, M. Tsagkaraki, F.-A. Kozonaki, K. Oikonomou, A. Nenes, N. Mihalopoulos: “Source apportionment of particle-bound polycyclic aromatic hydrocarbons (PAHs), oxygenated PAHs (OPAHs), and their associated long-term health risks in a major European city”, *Science of the Total Environment*, 951, 175416, 2024, [doi: 10.1016/j.scitotenv.2024.175416](https://doi.org/10.1016/j.scitotenv.2024.175416)
 - 58) M. Garcia-Marlès, R. Lara, C. Reche, N. Pérez, A. Tobías, M. Savadkoohi, D. Beddows, I. Salma, M. Vörösmarty, T. Weidinger, C. Hueglin, N. Mihalopoulos, **G. Grivas**, (...), X. Querol: “Source apportionment of ultrafine particles in urban Europe”, *Environment International*, 194, 109149, 2024, [doi: 10.1016/j.envint.2024.109149](https://doi.org/10.1016/j.envint.2024.109149)
 - 59) A. Kakouri, T. Kontos, **G. Grivas**, G. Filippis, M.-B. Korras-Carraca, C. Matsoukas, A. Gkikas, E. Athanasopoulou, O. Speyer, C. Chatzidiakos, E. Gerasopoulos: “Spatiotemporal modeling of long-term PM_{2.5} concentrations and population exposure in Greece, using machine learning and statistical methods”, *Science of the Total Environment*, 958, 178113, 2025, [doi: 10.1016/j.scitotenv.2024.178113](https://doi.org/10.1016/j.scitotenv.2024.178113)
 - 60) A. Poupkou, S. Kontos, N. Liora, D. Tsiaousidis, I. Kapsomenakis, S. Solomos, E. Liakakou, E. Athanasopoulou, **G. Grivas**, A. Bougiatioti, K. Petrinoli, E. Diapouli, V. Vasilatou, S. Papagiannis, A. Progiou, P. Kalabokas, D. Melas, N. Mihalopoulos, E. Gerasopoulos, K. Eleftheriadis, C. Zerefos: “Investigating the role of organic aerosol schemes in the simulation of atmospheric particulate

- matter in a large Mediterranean urban agglomeration”, *Sustainability*, 17, 2619, 2025, [doi: 10.3390/su17062619](https://doi.org/10.3390/su17062619)
- 61) R. Sotiropoulou, D. Kaskaoutis, P. Kalkavouras, **G. Grivas**, K. Petrinoli, S.K. Gkaras, E. Liakakou, Efthimios Tagaris, N. Mihalopoulos: “Spatial variability of carbonaceous aerosols and absorption characteristics between urban background and residential sites during wintertime at a major Mediterranean city (Athens; Greece)”, *Atmospheric Research*, 323, 108163, 2025, [doi: 10.1016/j.atmosres.2025.108163](https://doi.org/10.1016/j.atmosres.2025.108163)
 - 62) I. Tsiodra, **G. Grivas***, K. Tavernaraki, D. Paraskevopoulou, C. Parinos, M. Tsagkaraki, E. Liakakou, A. Bougiatioti, E. Gerasopoulos, N. Mihalopoulos: “Profiling aerosol Polycyclic Aromatic Compounds (PACs) in a severely polluted European city: A comprehensive assessment of the residential biomass burning impact on atmospheric toxicity”, *Journal of Hazardous Materials*, 494, 138431, 2025, [doi: 10.1016/j.jhazmat.2025.138431](https://doi.org/10.1016/j.jhazmat.2025.138431)
 - 63) K. Petrinoli, D. Kaskaoutis, A. Bougiatioti, E. Liakakou, **G. Grivas**, P. Kalkavouras, N. Mihalopoulos: “Year-long variability of the mixing layer height at an urban Mediterranean location and association with air pollution levels”, *Atmospheric Pollution Research*, 16, 102612, 2025, [doi: 10.1016/j.apr.2025.102612](https://doi.org/10.1016/j.apr.2025.102612)

iv) Studies presented at international conferences

- 1) A. Chaloulakou, P. Kassomenos, **G. Grivas**, N. Manalis, N. Spyrellis: “On the PM₁₀-PM_{2.5} episodes in Athens during summer 2000”, *7th International Conference on Environmental Science and Technology*, 3-6 September 2001, Ermoupolis, GR, pp. 114-120.
- 2) A. Chaloulakou, P. Kassomenos, **G. Grivas**, V. Kanouta, N. Spyrellis: “Continuous measurements of PM₁₀/PM_{2.5} and black smoke concentrations at a fixed site in Athens Greece”, *4th International Conference on Urban Air Quality - Measurement, Modeling and Management*, 25-27 March 2003, Prague, CZ, pp. 306-309.
- 3) E.C. Alexopoulos, L. Diapouli, **G. Grivas**, S. Sarvanidis, A. Chaloulakou: “Monitoring particles and CO in occupational field”, *8th International Symposium of the ISSA Research Section*, 19-21 May 2003, Athens, GR, pp. 308-312.
- 4) J. Mantis, C. Samara, Th. Kouimtzi, **G. Grivas**, V. Kanouta, A. Karamberi, V. Protonotarios, N. Manalis, A. Moutsatsou, A. Chaloulakou, N. Spyrellis: “Chemical composition of PM₁₀ in the atmosphere of Athens, Greece”, *8th Conference on Environmental Science and Technology*, 8-10 September 2003, Lemnos, GR, pp. 573-581.
- 5) **G. Grivas**, C. Asteriou, A. Chaloulakou, N. Spyrellis: “Particle number size distribution at a roadside location in Athens, Greece”, *European Aerosol Conference 2004*, 6-10 September 2004, Budapest, HU, published at: *Journal of Aerosol Science*, 35(S1), 553-554, 2004.
- 6) **G. Grivas**, V. Kanouta, P. Kassomenos, A. Chaloulakou, N. Spyrellis: “Comparison between low-volume gravimetric sampler and beta attenuation monitor for PM₁₀ measurements in Athens, Greece”, *European Aerosol Conference 2004*, 6-10 September 2004, Budapest, HU, published at: *Journal of Aerosol Science*, 35(S1), 653-654, 2004.
- 7) A.B. Prosmotis, E. Diapouli, **G. Grivas**, A. Chaloulakou, N. Spyrellis: “Continuous field measurements of organic and elemental carbon concentrations in Athens, Greece”, *European Aerosol Conference 2004*, 6-10 September 2004, Budapest, HU, published at: *Journal of Aerosol Science*, 35(S2), 1077-1078, 2004.
- 8) I. Gavriil, **G. Grivas**, P. Kassomenos, A. Chaloulakou, N. Spyrellis: “Statistical distributions of particulate matter applied to the study of the atmospheric pollution problem in the area of Athens”, *9th Conference on Environmental Science and Technology*, 1-3 September 2005, Rhodes, GR, pp. 453-458.
- 9) **G. Grivas**, A. Chaloulakou, A. Berner, H. Hauck: “Preliminary source apportionment of PM_{2.5} particulate matter in Vienna, Austria, using receptor modeling techniques”, *European Aerosol Conference 2005*, 28 August – 2 September 2005, Ghent, BE, p. 389.
- 10) I. Gavriil, **G. Grivas**, E. Diapouli, V. Kanouta, A. Chaloulakou, N. Spyrellis: “PM_{2.5} concentration time-series in Athens, Greece”, *European Aerosol Conference 2005*, 28 August – 2 September 2005, Ghent, BE, p. 387.

- 11) E. Diapouli, D. Alamanou, **G. Grivas**, V. Kanouta, A. Chaloulakou, N. Spyrellis: "Mass and number PM concentrations in-vehicle and near major roads in the Athens area", *Protection and Restoration of the Environment VIII*, 3-7 July 2006, Chania, GR, p. 283.
- 12) B. Georgalas, **G. Grivas**, A. Chaloulakou: "Comparison between a direct-reading real-time aerosol monitor and a gravimetric instrument for PM₁ measurements in the atmosphere of Athens, Greece", *7th International Aerosol Conference*, 10-15 September 2006, St. Paul, MN, US, pp. 481-482.
- 13) **G. Grivas**, E. Diapouli, V. Kanouta, G. Biskos, A. Chaloulakou, N. Spyrellis, P. Koutrakis: "First results from an integrated fine particulate matter (PM₁ and PM_{2.5}) study in the Greater Area of Athens, Greece", *7th International Aerosol Conference*, 10-15 September 2006, St. Paul, MN, US, pp. 1193-1194.
- 14) M. Constantopoulou, **G. Grivas**, V. Kanouta, P. Kassomenos, A. Chaloulakou: "Reflectance of PM₁₀ and PM_{2.5} filters as an indicator of combustion-related particle emissions, in Central Athens, Greece", *7th International Aerosol Conference*, 10-15 September 2006, St. Paul, MN, US, pp. 1508-1509.
- 15) P. Kassomenos, S. Vardoulakis, R. Borge, J. Lumbreras, A. Chaloulakou, **G. Grivas**, A. Vlahogianni: "Sources influencing PM₁₀ and PM_{2.5} levels in three European cities - Implications for population exposure", *6th International Conference on Urban Air Quality*, 27-29 March 2007, Limassol, CY.
- 16) E. Koulouri, **G. Grivas**, E. Gerasopoulos, A. Chaloulakou, N. Mihalopoulos, N. Spyrellis: "A study of size-segregated Particle (PM₁, PM_{2.5}, PM₁₀) concentrations over Greece", *10th Conference on Environmental Science and Technology*, 5-7 September 2007, Kos, GR, pp. 730-737.
- 17) **G. Grivas**, A. Chaloulakou, N. Spyrellis: "Continuous measurements of particle number concentrations, in Athens, Greece", *European Aerosol Conference 2007*, 9-14 September 2007, Salzburg, AU, p. T15A013.
- 18) G. Biskos, **G. Grivas**, E. Diapouli, S. Vratolis, A. Chaloulakou, K. Eleftheriadis: "Measurements of fine and ultrafine aerosol particles in the atmosphere of Athens, Greece", *European Aerosol Conference 2007*, 9-14 September 2007, Salzburg, AU, p. LP31.
- 19) **G. Grivas**, A. Chaloulakou, N. Spyrellis: "Elemental and organic carbon content of PM_{2.5} particles in Athens, Greece", *European Aerosol Conference 2008*, 24-29 August 2008, Thessaloniki, GR, p. 713-T02A079P.
- 20) **G. Grivas**, A. Chaloulakou, N. Mihalopoulos: "Source apportionment of PM_{2.5} particles in Athens, Greece", *European Aerosol Conference 2008*, 24-29 August 2008, Thessaloniki, GR, p. 565-T10A029O.
- 21) P. Kassomenos, S. Vardoulakis, R. Borge, J. Lumbreras, A. Chaloulakou, **G. Grivas**: "Sources influencing PM₁₀ and PM_{2.5} levels in three European cities - implications for population exposure", *7th International Conference on Air Quality-Science and Application*, 24-27 March 2009, Istanbul, TR, pp. 133-136.
- 22) S. Cheristanidis, **G. Grivas**, A. Chaloulakou: "Estimation of secondary organic carbon levels, in the urban area of Athens", *8th International Aerosol Conference*, 29 August – 3 September 2010, Helsinki, FI, p. 1308.
- 23) S. Cheristanidis, **G. Grivas**, A. Chaloulakou: "Continuous measurements of organic carbon and elemental carbon in Athens area", *Protection and Restoration of the Environment X*, 5-9 July 2010, Corfu, GR, p. PRE1234ACT.
- 24) K. Katsouyanni, K. Dimakopoulou, K. de Hoogh, S. Floud, M. Petrakis, A. Chaloulakou, **G. Grivas**: "Understanding the common exposure to transportation noise and air pollution and their potential health endpoints", *23rd Conference of the International Society for Environmental Epidemiology*, 13-16 September 2011, Barcelona, ES, p. S0044, [doi: 10.1289/isee.2011.01834](https://doi.org/10.1289/isee.2011.01834)
- 25) E. Samoli, A. Karakatsani, K. Dimakopoulou, S. Rodopoulou, **G. Grivas**, K. Katsouyanni: "Exposure to ozone and respiratory function in children: results from the RESPOZE panel study in Greece", *27th Conference of the International Society for Environmental Epidemiology*, 30 August – 3 September 2015, Sao Paulo, BR, p. 2357, [doi: 10.1289/isee.2015.2015-2357](https://doi.org/10.1289/isee.2015.2015-2357)
- 26) E. Samoli, A. Karakatsani, S. Rodopoulou, K. Dimakopoulou, D. Papakosta, **G. Grivas**, J. Douros, K. Katsouyanni: "Effects of exposure to ozone on children's respiratory health", *28th Conference of*

- the International Society for Environmental Epidemiology*, 1-4 September 2016, Rome, IT, p. S-057, [doi: 10.1289/isee.2016.3857](https://doi.org/10.1289/isee.2016.3857)
- 27) K. Dimakopoulou, J. Douros, E. Samoli, A. Karakatsani, S. Rodopoulou, D. Papakosta, **G. Grivas**, N. Moussiopoulos, K. Katsouyanni: "Effects of long-term exposure to ozone on children's respiratory health: results from the RESPOZE study". *11th UK & Ireland Occupational and Environmental Epidemiology Meeting*, 23 April 2018, London, UK.
 - 28) A. Bougiatioti, I. Stavroulas, D. Paraskevopoulou, **G. Grivas**, P. Zarnpas, E. Liakakou, E. Gerasopoulos, N. Mihalopoulos: "Source apportionment and variability of submicron organic aerosol from year long near real time measurements over an urban Mediterranean area", *10th International Aerosol Conference*, 2-7 September 2018, St. Louis, MI, US, p. 4CA.30.
 - 29) M. Tsagkaraki, C. Theodosi, A. Metaxatos, P. Zarnpas, **G. Grivas**, E. Liakakou, E. Gerasopoulos, N. Mihalopoulos: "Navarino Environmental Observatory: Part II Chemical composition and sources of aerosols", *14th International Conference on Meteorology, Climatology and Atmospheric Physics*, 15-17 October 2018, Alexandroupolis, GR.
 - 30) N. Papadakis, D. Stouraitis, A. Bartzas, E. Gerasopoulos, **G. Grivas**, E. Athanasopoulou, I. Stavroulas, P. Syropoulou, A. Agrafiotis, I. Christakis, T. Migos, I. Stavrakas, K. Ioannidis: "EMISSION: Environmental monitoring integrated system using an IoT network", *23rd International Transport and Air Pollution Conference*, 15-17 May 2019, Thessaloniki, GR.
 - 31) I. Stavroulas, E. Liakakou, **G. Grivas**, N. Mihalopoulos, E. Gerasopoulos: "Characterization of atmospheric pollution at the major Greek port city of Piraeus", *European Aerosol Conference 2019*, 25-30 September 2019, Gothenburg, SE, p. O10_F5_A04.
 - 32) A. Bougiatioti, I. Stavroulas, D. Paraskevopoulou, **G. Grivas**, E. Liakakou, E. Gerasopoulos, N. Mihalopoulos: "Fat Thursday (Tsiknopempti) as an important source of organic aerosol in the urban environment of Athens", *European Aerosol Conference 2019*, 25-30 September 2019, Gothenburg, SE, p. O10_F4_b.
 - 33) E. Liakakou, A. Bougiatioti, **G. Grivas**, I. Stavroulas, P. Kalkavouras, D. Paraskevopoulou, M. Lianou, E. Gerasopoulos, N. Mihalopoulos: "High resolution online aerosol measurements during the 1st PANACEA summer campaign in Athens, Greece", *1st Scientific Conference PANACEA*, 24-29 September 2019, Heraklion, GR, p. 40.
 - 34) E. Gerasopoulos, E. Athanasopoulou, M. Ramacher, A. Kakouri, O. Speyer, M. Karl, I. Stavroulas, **G. Grivas**, J. Bailey: "City scale air pollution modelling and high resolution exposure mapping of an urban hotspot in the Eastern Mediterranean", *AGU Fall Meeting 2020*, 7-11 December 2019, San Francisco, CA, US, p. A13Q-3154, agu.confex.com/agu/fm19/meetingapp.cgi/Paper/514777
 - 35) I. Zyrichidou, P. Syropoulou, S. Tekes, **G. Grivas**, I. Stavroulas, E. Athanasopoulou, E. Gerasopoulos, I. Christakis, T. Migos, I. Stavrakas, G. Hloupis, O. Tsakiridis, K. Ioannidis, N. Papadakis: "City-wide air quality measurements system based on an IoT network", *12th International Conference on Air Quality – Science and Application*, 18-22 May 2020 (online conference), p. 129.
 - 36) E. Liakakou, I. Stavroulas, D. Kaskaoutis, **G. Grivas**, D. Paraskevopoulou, U.C. Dumka, M. Tsagkaraki, A. Bougiatioti, K. Oikonomou, J. Sciare, E. Gerasopoulos, N. Mihalopoulos: "Levels and sources of Black Carbon long-term measurements in Athens, Greece", *12th International Conference on Air Quality – Science and Application*, 18-22 May 2020 (online conference), p. 19.
 - 37) E. Liakakou, A. Panopoulou, **G. Grivas**, S. Sauvage, T. Kritikou, E. Gerasopoulos, N. Mihalopoulos: "Volatile Organic Compounds in the atmosphere of the Greater Athens area: The case of a port site close to Piraeus, Greece", *EGU General Assembly 2020*, 4-8 May 2020 (online conference), p. D2956, [doi: 10.5194/egusphere-egu2020-20087](https://doi.org/10.5194/egusphere-egu2020-20087)
 - 38) I. Stavroulas, **G. Grivas**, P. Michalopoulos, E. Liakakou, A. Bougiatioti, P. Kalkavouras, K.M. Fameli, N. Hatzianastassiou, N. Mihalopoulos, E. Gerasopoulos: "Evaluation and field deployment of low-cost PM sensors in different urban environments in Greece", *2nd Scientific Conference PANACEA*, 29 September – 1 October 2020 (online conference), p. 54.
 - 39) D. Kaskaoutis, **G. Grivas**, I. Stavroulas, E. Liakakou, K. Dimitriou, E. Gerasopoulos, N. Mihalopoulos: "Identification of key aerosol types in Athens based on long-term in situ optical and chemical properties". *2nd Scientific Conference PANACEA*, 29 September – 1 October 2020 (online conference), p. 34.

- 40) I. Stavroulas, **G. Grivas**, N. Mihalopoulos: "Trends and spatial characteristics of PM₁ aerosol chemical composition over the Greater Athens Area, using high temporal resolution measurements", *3rd International Electronic Conference on Atmospheric Sciences (ECAS 2020)*, 16 – 30 November 2020 (online conference), [doi: 10.3390/ecas2020-08139](https://doi.org/10.3390/ecas2020-08139)
- 41) I. Tsiodra, K. Tavernaraki, A. Bougiatioti, **G. Grivas**, M. Apostolaki, D. Paraskevopoulou, A. Gogou, C. Parinos, M. Tsagkaraki, P. Zarnpas, A. Nenes, N. Mihalopoulos: "Year-long variability of polycyclic aromatic hydrocarbons (PAHs) and their contribution to winter intense pollution events in the urban environment of Athens, Greece", *EGU General Assembly 2021*, 19 – 30 April 2021 (online conference), p. EGU21-11550, [doi: 10.5194/egusphere-egu21-11550](https://doi.org/10.5194/egusphere-egu21-11550)
- 42) D. Paraskevopoulou, **G. Grivas**, A. Bougiatioti, I. Stavroulas, M. Tsagkaraki, E. Liakakou, A. Nenes, N. Mihalopoulos: "PM-induced oxidative potential: Two years measurements and source apportionment, on a seasonal basis, in Athens, Greece", *EGU General Assembly 2021*, 19 – 30 April 2021 (online conference), p. EGU21-15961, [doi:10.5194/egusphere-egu21-159612021](https://doi.org/10.5194/egusphere-egu21-159612021)
- 43) I. Tsiodra, A. Bougiatioti, **G. Grivas**, C. Parinos, D. Paraskevopoulou, A. Nenes, N. Mihalopoulos: "Polycyclic Aromatic Quinones (PAQs) in Athens aerosols", *European Aerosol Conference 2021*, 30 August – 2 September 2021 (online conference), p. OP_P1_2.
- 44) E. Liakakou, A. Panopoulou, **G. Grivas**, E. Gerasopoulos, S. Sauvage, N. Mihalopoulos. "Investigation of BVOC levels in a coastal urban environment: The Piraeus Port in Greece", *17th Conference on Environmental Science and Technology*, 1-4 September 2021, Athens, GR, p. 463.
- 45) E. Athanasopoulou, **G. Grivas**, A. Kakouri, M. Ramacher, O. Speyer, M. Karl, E. Gerasopoulos: "Synergy between different earth observation platforms towards the estimation of the intra-urban population exposure to wintertime air pollution of Athens". *15th International Conference on Meteorology, Climatology and Atmospheric Physics*, 25-29 September 2021, Ioannina, GR, pp. 13-16.
- 46) A. Kakouri, M. Ramacher, E. Athanasopoulou, **G. Grivas**, O. Speyer, M. Karl, T. Kontos, E. Gerasopoulos: "An innovative method to arrive at high resolution emissions for city scale air quality modeling", *15th International Conference on Meteorology, Climatology and Atmospheric Physics*, 25-29 September 2021, Ioannina, GR, pp. 61-64.
- 47) K. Tavernaraki, I. Tsiodra, K. Papoutsidaki, M. Tsagarakaki, P. Zarnpas, G. Kouvarakis, **G. Grivas**, E. Liakakou, I. Stavroulas, E. Gerasopoulos, N. Mihalopoulos: "Levels and sources of Polycyclic Aromatic Hydrocarbons at the Port of Piraeus", *15th International Conference on Meteorology, Climatology and Atmospheric Physics*, 25-29 September 2021, Ioannina, GR, pp. 160-164.
- 48) M. Gavrouzou, M.B. Koras-Karraca, E. Liakakou, **G. Grivas**, A. Bougiatioti, I. Stavroulas, K. Michailidis, D. Karagkiozidis, C. Papanikolaou, R. Foskinis, M. Mylonaki, O. Soupiona, M. Koukouli, N. Hatzianastasiou, D. Balis, A.F. Bais, A. Papayannis, E. Gerasopoulos, N. Mihalopoulos: "Overview of the 2019-2020 winter PANACEA campaign at Ioannina, Greece", *15th International Conference on Meteorology, Climatology and Atmospheric Physics*, 25-29 September 2021, Ioannina, GR, pp. 339-343.
- 49) D. Kaskaoutis, **G. Grivas**, I. Stavroulas, A. Bougiatioti, E. Liakakou, E. Gerasopoulos, N. Mihalopoulos: "Assessment of the spectral absorptions by Black and Brown Carbon for different sources: Application in Athens", *Climate and Atmosphere Research & Innovation in the Eastern Mediterranean & Middle East: Virtual Workshop in the framework of the 2nd International Conference on Climate Change in the Eastern Mediterranean and Middle East*, 11-12 October 2021 (online conference), p. 27.
- 50) D. Kaskaoutis, **G. Grivas**, I. Stavroulas, A. Bougiatioti, E. Liakakou, E. Gerasopoulos, N. Mihalopoulos: "Optical properties and the curvature effect in spectral scattering and absorption coefficients for key aerosol types identified in Athens", *Climate and Atmosphere Research & Innovation in the Eastern Mediterranean & Middle East: Virtual Workshop in the framework of the 2nd International Conference on Climate Change in the Eastern Mediterranean and Middle East*, 11-12 October 2021 (online conference), p. 70.
- 51) D. Kaskaoutis, **G. Grivas**, E. Liakakou, A. Bougiatioti, I. Stavroulas, D. Paraskevopoulou, P. Tavernaraki, M. Tsagkaraki, K. Papoutsidaki, P. Zarnpas, K. Oikonomou, J. Sciare, E. Gerasopoulos, N. Mihalopoulos: "Effects of residential wood burning emissions on atmospheric chemistry and light absorption", *1st ACTRIS Science Conference 2022*, 11-13 May 2022, Helsinki, FI, p. 93.

- 52) D. Kaskaoutis, **G. Grivas**, I. Stavroulas, A. Bougiatioti, E. Liakakou, E. Gerasopoulos, N. Mihalopoulos: "A new method for estimating spectral absorptions of Black Carbon, Brown Carbon and Secondary Organic Carbon from fossil fuel and biomass burning sources", *1st ACTRIS Science Conference 2022*, 11-13 May 2022, Helsinki, FI, p. 266.
- 53) **G. Grivas**, E. Liakakou, I. Stavroulas, P. Kalkavouras, M. Lianou, M. Tsagkaraki, K. Papoutsidaki, P. Zampas, A. Bougiatioti, N. Mihalopoulos, E. Gerasopoulos: "Chemical composition and source apportionment of fine aerosol in the port city of Piraeus, Greece", *11th International Aerosol Conference*, 4-9 September 2022, Athens, GR, p. 357 (ATAS-21-01).
- 54) D. Karagiannis, E. Athanasopoulou, A. Kakouri, **G. Grivas**, E. Gerasopoulos: "Intra-urban aerosol predictions under future representative concentration pathways: modeling experiments for Athens", *11th International Aerosol Conference*, 4-9 September 2022, Athens, GR, p. 62 (AH-8-04).
- 55) I. Stavroulas, M. Pikridas, **G. Grivas**, S. Bezantakos, E. Liakakou, P. Kalkavouras, A. Bigi, E. Gerasopoulos, J. Sciare, N. Mihalopoulos: "Field evaluation of miniature absorption photometers in an Eastern Mediterranean urban environment", *11th International Aerosol Conference*, 4-9 September 2022, Athens, GR, p. 133 (AMT-9-04).
- 56) G. Veratti, I. Stavroulas, A. Bigi, **G. Grivas**, P. Kalkavouras, D. Paraskevopoulou, E. Liakakou, A. Bougiatioti, O. Speyer, C. Chatzidiakos, G. Ghermandi, E. Gerasopoulos, N. Mihalopoulos: "Mapping Black Carbon and aerosol absorption in a major European city", *11th International Aerosol Conference*, 4-9 September 2022, Athens, GR, p. 288 (ATAS-12-04).
- 57) I. Stavroulas, M. Desservettaz, K. Petrinoli, A. Bougiatioti, E. Liakakou, K. Koukoulakis, **G. Grivas**, D. Kaskaoutis, N. Hatzianastassiou, E. Gerasopoulos, E. Bourtsoukidis, J. Sciare, N. Mihalopoulos: "Chemical composition, sources and insights on submicron aerosol atmospheric processing during wintertime outstanding smog episodes", *11th International Aerosol Conference*, 4-9 September 2022, Athens, GR, p. 314 (ATAS-15-05).
- 58) D. Kaskaoutis, **G. Grivas**, K. Oikonomou, P. Tavernaraki, K. Papoutsidaki, M. Tsagkaraki, I. Stavroulas, P. Zampas, D. Paraskevopoulou, A. Bougiatioti, E. Liakakou, M. Gavrouzou, U. Dumka, N. Hatzianastassiou, J. Sciare, E. Gerasopoulos, N. Mihalopoulos: "Impacts of severe residential wood burning on atmospheric processing, water-soluble organic aerosol and light absorption, in a medium-sized city of Southeastern Europe", *11th International Aerosol Conference*, 4-9 September 2022, Athens, GR, p. 365 (ATAS-22-03).
- 59) D. Kaskaoutis, D. Paraskevopoulou, **G. Grivas**, S. Bikkina, E. Liakakou, A. Bougiatioti, I. Stavroulas, M. Tsagkaraki, K. Papoutsidaki, K. Oikonomou, M. Gavrouzou, N. Hatzianastassiou, J. Sciare, E. Gerasopoulos, N. Mihalopoulos: "Light absorption and radiative effects of water-soluble and methanol-soluble brown carbon under high residential wood burning emissions", *11th International Aerosol Conference*, 4-9 September 2022, Athens, GR, p. 368 (ATAS-22-06).
- 60) D. Kaskaoutis, **G. Grivas**, I. Stavroulas, E. Liakakou, A. Bougiatioti, U. Dumka, K. Dimitriou, E. Gerasopoulos, N. Mihalopoulos: "Identification of key aerosol types in Athens: Optical properties and the curvature effect in spectral scattering and absorption coefficients", *11th International Aerosol Conference*, 4-9 September 2022, Athens, GR, p. 382 (ATAS-24-05).
- 61) P. Kalkavouras, **G. Grivas**, I. Stavroulas, A. Bougiatioti, E. Liakakou, E. Gerasopoulos, N. Mihalopoulos: "Sources of size-resolved Particle Number Concentrations at an urban location in Athens", *11th International Aerosol Conference*, 4-9 September 2022, Athens, GR, p. 758 (ATAS-P2-057).
- 62) C. Chatzidiakos, I. Stavroulas, **G. Grivas**, P. Michalopoulos, N. Mihalopoulos and E. Gerasopoulos: "A study of PM_{2.5} episodes linked to residential wood burning, using a dense low-cost sensor network", *11th International Aerosol Conference*, 4-9 September 2022, Athens, GR, p. 854 (ATAS-P3-005).
- 63) K. Tavernaraki, I. Tsiodra, K. Papoutsidaki, **G. Grivas**, E. Liakakou, G. Kouvarakis, M. Tsagaraki, F. Kozonaki, P. Zampas, I. Stavroulas, E. Gerasopoulos, N. Mihalopoulos: "Levels and sources of particulate Polycyclic Aromatic Hydrocarbons (PAHs) at the Port of Piraeus", *11th International Aerosol Conference*, 4-9 September 2022, Athens, GR, p. 858 (ATAS-P3-010).
- 64) R. Dahmardeh Behrooz, D. Kaskaoutis, **G. Grivas**, A. Esmaili-Sari, N. Bahramifar, N. Mihalopoulos: "Airborne dust chemistry and health risk assessment in the Sistan Basin, southeast Iran", *11th International Aerosol Conference*, 4-9 September 2022, Athens, GR, p. 893 (ATAS-P3-051).

- 65) A.M. Kotrikla, K.M. Fameli, N. Mihalopoulos, **G. Grivas**, I. Stavroulas, A. Polydoropoulou: "Monitoring PM_{2.5} at the Aegean Islands using low-cost sensors", *11th International Aerosol Conference*, 4-9 September 2022, Athens, GR, p. 896 (AMT-P3-001).
- 66) K. Dimitriou, I. Stavroulas, **G. Grivas**, C. Chatzidiakos, G. Kosmopoulos, A. Kazantzidis, K. Kourtidis, N. Hatzianastassiou, N. Mihalopoulos, E. Gerasopoulos: "Intra- and inter-city variability of PM_{2.5} concentrations over Greece", *11th International Aerosol Conference*, 4-9 September 2022, Athens, GR, p. 996 (ATAS-P4-001).
- 67) S. Myriokefalitakis, E. Athanasopoulou, D. Karagiannis, A. Kakouri, E. Liakakou, **G. Grivas**, A. Bougiatioti, E. Gerasopoulos: "High-resolution mapping of aerosol species over a SE Mediterranean urban area", *11th International Aerosol Conference*, 4-9 September 2022, Athens, GR, p. 1012 (ATAS-P4-018).
- 68) E. Liakakou, D. Kaskaoutis, I. Stavroulas, **G. Grivas**, A. Bougiatioti, N. Kalivitis, G. Kouvarakis, M. Tsagkaraki, M. Gavrouzou, N. Hatzianastassiou, K. Michailidis, D. Balis, E. Gerasopoulos, N. Mihalopoulos: "Temporal and spatial variability of black carbon levels in different environments in Greece with emphasis on the role of residential biomass burning", *11th International Aerosol Conference*, 4-9 September 2022, Athens, GR, p. 1038 (ATAS-P5-011).
- 69) D. Paraskevopoulou, **G. Grivas**, A. Bougiatioti, M. Tsagkaraki, P. Zarnpas, A. Nenes, N. Mihalopoulos: "Long-term measurements of aerosol Oxidative Potential in an urban site, Athens, Greece", *11th International Aerosol Conference*, 4-9 September 2022, Athens, GR, p. 1192 (SS5-P1_006).
- 70) I. Tsiodra, **G. Grivas**, A. Bougiatioti, C. Parinos, D. Paraskevopoulou, A. Nenes, N. Mihalopoulos: "Yearlong measurements of aerosol oxygenated Polycyclic Aromatic Hydrocarbons (OPAHs) in Athens, Greece", *11th International Aerosol Conference*, 4-9 September 2022, Athens, GR, p. 1193 (SS5-P1_008).
- 71) D.G. Kaskaoutis, D. Paraskevopoulou, **G. Grivas**, S. Bikkina, M. Tsagkaraki, K. Papoutsidaki, K. Tavernaraki, K. Oikonomou, I. Stavroulas, A. Bougiatioti, E. Liakakou, J. Sciare, E. Gerasopoulos, N. Mihalopoulos: "Is residential wood burning an important issue in atmospheric chemistry, light absorption and radiative forcing over the Eastern Mediterranean?", *2nd Annual Climate and Atmosphere Research & Innovation in the Eastern Mediterranean and Middle East Workshop*, 1 November 2022 (online conference), p. 17.
- 72) I. Stavroulas, A. Bougiatioti, **G. Grivas**, D. Paraskevopoulou, D.G. Kaskaoutis, E. Liakakou, K. Petrinioli, P. Kalkavouras, K. Kourtidis, E. Gerasopoulos, N. Mihalopoulos: "Cooking, organic aerosol and air quality at an Eastern Mediterranean urban environment", *2nd Annual Climate and Atmosphere Research & Innovation in the Eastern Mediterranean and Middle East Workshop*, 1 November 2022 (online conference), p. 59.
- 73) P. Kalkavouras, **G. Grivas**, I. Stavroulas, A. Bougiatioti, E. Liakakou, E. Gerasopoulos, N. Mihalopoulos: "Sources of size-resolved particle number concentrations at an urban location in Athens", *2nd Annual Climate and Atmosphere Research & Innovation in the Eastern Mediterranean and Middle East Workshop*, 1 November 2022 (online conference), p. 60.
- 74) E. Athanasopoulou, A. Kakouri, O. Speyer, **G. Grivas**, E. Gerasopoulos: "Enhancing air quality data from multiple platforms towards geospatial health-related information in the intra-urban environment", *Joint Urban Remote Sensing Event 2023*, 17-19 May 2023, Heraklion, GR, *IEEE Xplore*, 978-1-6654-9373-4, doi: [10.1109/JURSE57346.2023.10144148](https://doi.org/10.1109/JURSE57346.2023.10144148).
- 75) K.M. Fameli, A.M. Kotrikla, A. Polydoropoulou, N. Mihalopoulos, **G. Grivas**, I. Stavroulas: "Seasonal fluctuations of PM_{2.5} concentrations at six Greek islands", *18th International Conference on Environmental Science and Technology*, 30 August - 2 September 2023, Athens, GR, p. cest2023_00331, doi: [10.30955/gnc2023.00331](https://doi.org/10.30955/gnc2023.00331).
- 76) **G. Grivas**, E. Liakakou, P. Kalkavouras, I. Stavroulas, D. Paraskevopoulou, K. Vagianou, M. Tsagkaraki, K. Petrinioli, A. Bougiatioti, A. Bigi, E. Gerasopoulos, N. Mihalopoulos: "Study of fine aerosol chemical composition and sources in Athens, Greece, combining high-resolution data from an online metals analyzer and chemical speciation monitors", *European Aerosol Conference 2023*, 3-8 September 2023, Malaga, ES, p. 2.09-54.
- 77) I. Tsiodra, **G. Grivas**, A. Bougiatioti, C. Parinos, D. Paraskevopoulou, K. Tavernaraki, M. Tsagkaraki, K. Papoutsidaki, K. Oikonomou, A. Nenes, N. Mihalopoulos: "Exposure to Polycyclic and

- Oxygenated Polycyclic Aromatic Hydrocarbons (PAHs and OPAHs) in a European urban centre with an emphasis on the biomass burning impact on air quality”, *European Aerosol Conference 2023*, 3–8 September 2023, Malaga, ES, p. 6-R1-5.
- 78) E. Liakakou, A. Bougiatioti, **G. Grivas**, D.G. Kaskaoutis, I. Stavroulas, P. Kalkavouras, D. Paraskevopoulou, K. Petrinoi, M. Tsagkaraki, M. Lianou, E. Gerasopoulos, N. Mihalopoulos: “Ten years of continuous aerosol measurements at an urban background Mediterranean supersite (the NOA Thissio Air Monitoring Station in Athens, Greece)”, *European Aerosol Conference 2023*, 3–8 September 2023, Malaga, ES, p. 12-A1-5.
 - 79) I. Stavroulas, **G. Grivas**, P. Kalkavouras, A. Bougiatioti, E. Liakakou, C. Chatzidiakos, D. Paraskevopoulou, S. Bezantakos, A. Bigi, G. Veratti, K. Petrinoi, G. Biskos, E. Gerasopoulos, N. Mihalopoulos: “Mapping ultrafine particle concentrations and lung deposited surface area at the urban environment in the Eastern Mediterranean”, *European Aerosol Conference 2023*, 3–8 September 2023, Malaga, ES, p. 5-R1-2.
 - 80) P. Kalkavouras, N. Kalivitis, **G. Grivas**, N. Mihalopoulos: “Cluster analysis of atmospheric Particle Number Size Distributions in the Eastern Mediterranean”, *European Aerosol Conference 2023*, 3–8 September 2023, Malaga, ES, p. 2.09-64.
 - 81) A. Poupkou, S. Kontos, N. Liora, D. Tsiaousidis, I. Kapsomenakis, S. Solomos, E. Liakakou, **G. Grivas**, E. Athanasopoulou, E. Diapouli, V. Vasilatou, S. Papagiannis, A. Progiou, P. Kalabokas, D. Melas, E. Gerasopoulos, K. Eleftheriadis, C. Zerefos: “Modelling study of PM levels and organic aerosol formation in a large Mediterranean urban centre”, *European Aerosol Conference 2023*, 3–8 September 2023, Malaga, ES, p. 2.06-36.
 - 82) A. Poupkou, S. Kontos, N. Liora, D. Tsiaousidis, I. Kapsomenakis, S. Solomos, E. Liakakou, E. Athanasopoulou, **G. Grivas**, E. Diapouli, V. Vasilatou, S. Papagiannis, A. Progiou, P. Kalabokas, D. Melas, E. Gerasopoulos, K. Eleftheriadis, C. Zerefos: “Evaluation of simulated atmospheric PM chemical composition in Athens - Organic aerosols formation sensitivity tests”, *16th International Conference on Meteorology, Climatology and Atmospheric Physics*, 25–29 September 2023, Athens, GR, *Environmental Sciences Proceedings*, 26, 32, 2023, [doi: 10.3390/environsciproc2023026032](https://doi.org/10.3390/environsciproc2023026032)
 - 83) I. Tsiodra, K. Tavernaraki, **G. Grivas**, K. Papoutsidaki, D. Paraskevopoulou, E. Liakakou, C. Parinos, A. Gogou, A. Bougiatioti, N. Mihalopoulos: “Spatiotemporal gradients of PAHs in Greek urban environments and subsequent health impacts”, *The 1st International Electronic Conference on Toxics*, 20–22 May 2024, online conference, p. 54 (sciforum-084381).
 - 84) K. Papoutsidaki, I. Tsiodra, G. Grivas, A. Bougiatioti, K. Oikonomou, F.A. Kozonaki, K. Tavernaraki, M. Tsagkaraki, A. Nenes, N. Mihalopoulos, M. Kanakidou: “Bioaerosol’s contribution to the atmospheric Phosphorus in Athens, Greece”, *EGU General Assembly 2024*, 14–19 April 2024, Vienna, AU, p. EGU24-1571, [doi: 10.5194/egusphere-egu24-15716](https://doi.org/10.5194/egusphere-egu24-15716)
 - 85) V.N. Dos Santos, I. Rivas, M. Garcia-Marlès, M. Pandolfi, A. Alaustey, P. Kalkavouras, N., Mihalopoulos, **G. Grivas**, (...) X. Querol: “Short-term effects of ultrafine particles on mortality”, *EGU General Assembly 2024*, 14–19 April 2024, Vienna, AU, p. EGU24-11346, [doi: 10.5194/egusphere-egu24-11346](https://doi.org/10.5194/egusphere-egu24-11346)
 - 86) I. Tsiodra, **G. Grivas**, K. Tavernaraki, D. Paraskevopoulou, C. Parinos, M. Tsagkaraki, K. Papoutsidaki, F.-A. Kozonaki, E. Liakakou, K. Oikonomou, A. Bougiatioti, N. Mihalopoulos: “Profiling Polycyclic Aromatic Compounds (PACs) in a European urban center: A comprehensive analysis of Biomass Burning Impact and population exposure”, *ACTRIS Science Conference 2024*, 14–16 May 2024, Rennes, FR.
 - 87) K. Tavernaraki, I. Tsiodra, D. Paraskevopoulou, C. Parinos, **G. Grivas**, M. Tsagkaraki, K. Papoutsidaki, F.-A. Kozonaki, E. Liakakou, K. Petrinoi, M. Desservettaz, K. Oikonomou, E. Bourtsoukidis, A. Bougiatioti, N. Mihalopoulos: “Day/night variability of Polycyclic Aromatic Compounds (PACs) at a highly impacted biomass burning city”, *ACTRIS Science Conference 2024*, 14–16 May 2024, Rennes, FR.
 - 88) A. Poupkou, N. Liora, S. Kontos, S. Solomos, I. Kapsomenakis, **G. Grivas**, V. Assimakopoulos, K.-M. Fameli, A. Progiou, P. Kalabokas, N. Mihalopoulos, D. Melas, C. Zerefos: “Exploring the impact of shipping emissions on PM levels in the Eastern Mediterranean”, *22nd International Conference on*

Harmonisation within Atmospheric Dispersion Modelling for Regulatory Purposes (HARMO), 10–14 June 2024, Pärnu, ES, H22-093.

- 89) V.N. Dos Santos, I. Rivas, M. Garcia-Marlès, M. Pandolfi, A. Alaustey, P. Kalkavouras, N., Mihalopoulos, **G. Grivas**, C. Reche, N. Perez, I. Salma, M. Vörösmarty, A. Casans, J.A. Casquero-Vera, T. Petäjä; J. Lampilahti, H. Timonen, F.J. Gómez-Moreno, E. Alonso-Blanco, C. Hueglin, J. Ballester, R.M. Harrison, G. Hoek, X. Basagaña, X. Querol: “Short-term effects of particle number size distribution modes on health”, *ISEE Young Rennes 2024*, 5–7 June 2024, Rennes, FR.
- 90) **G. Grivas**, E. Liakakou, P. Kalkavouras, M. Tsagkaraki, P. Zarmas, K. Papoutsidaki, F. Kozonaki, I. Tsiodra, A. Bougiatioti, E. Gerasopoulos, N. Mihalopoulos: “First in situ results from yearly aerosol composition measurements at the PANhellenic GEophysical observatory (PANGEA) in Antikythera, Eastern Mediterranean”, *European Aerosol Conference 2024*, 25–30 August 2024, Tampere, FI, p. S03-02A-6_928.
- 91) I. Tsiodra, K. Tavernaraki, **G. Grivas**, D. Paraskevopoulou, C. Parinos, M. Tsagkaraki, K. Papoutsidaki, F. Kozonaki, E. Liakakou, K. Oikonomou, A. Bougiatioti, N. Mihalopoulos: “Polycyclic Aromatic Compound (PACs) composition and population exposure in a European urban center with major biomass burning impact”, *European Aerosol Conference 2024*, 25–30 August 2024, Tampere, FI, p. S04-03D-4_845.
- 92) I. Tsiodra, **G. Grivas**, K. Tavernaraki, D. Paraskevopoulou, C. Parinos, M. Tsagkaraki, E. Liakakou, D. Kaskaoutis, A. Bougiatioti, N. Mihalopoulos: “Peri-urban wildfires in Athens, Greece: differences and similarities of Polycyclic Aromatic Compound (PAC) levels depending on the event and season”, *European Aerosol Conference 2024*, 25–30 August 2024, Tampere, FI, p. S03-02A-5_763.
- 93) I. Tsiodra, K. Tavernaraki, **G. Grivas**, C. Parinos, K. Papoutsidaki, D. Paraskevopoulou, E. Liakakou, A. Gogou, A. Bougiatioti, M. Kanakidou, E. Gerasopoulos, N. Mihalopoulos: “Spatiotemporal gradients of PAH concentrations in Greek cities and association with exposure impacts”, *European Aerosol Conference 2024*, 25–30 August 2024, Tampere, FI, p. S02-PE-178_781.
- 94) K. Tavernaraki, D. Paraskevopoulou, I. Tsiodra, **G. Grivas**, M. Tsagkaraki, K. Papoutsidaki, C. Parinos, A. Bougiatioti, N. Mihalopoulos: “Toxicity and carcinogenic risk of particulate matter (PM) in three urban areas of Greece”, *European Aerosol Conference 2024*, 25–30 August 2024, Tampere, FI, S01-02D-3_1027.
- 95) D. Paraskevopoulou, D. Kaskaoutis, **G. Grivas**, A. Bougiatioti, E. Liakakou, E. Gerasopoulos, N. Mihalopoulos: “Long-term analysis (2018-2022) of Brown Carbon absorption characteristics in Athens from ambient measurements; water-soluble and methanol-soluble organic matter”, *European Aerosol Conference 2024*, 25–30 August 2024, Tampere, FI, S04-PE-122_1071.
- 96) M. Ivancic, A. Gregoric, G. Lavric, B. Alföldy, I. Ježek Breclj, I. Stavroulas, E. Liakakou, **G. Grivas**, P. Kalkavouras, N. Mihalopoulos, M. Rigler: “Two-dimensional BC tracer model to distinguish between primary and secondary OC”, *European Aerosol Conference 2024*, 25–30 August 2024, Tampere, FI, S03-02E-6_402.
- 97) M.O.P. Ramacher, I. Stavroulas, **G. Grivas**, D. Karagiannis, F. Lenartz, E. Athanasopoulou: “Infiltrating our safe space: Quantifying the impact of indoor infiltration on PM_{2.5} exposure in residential environments”, *18th International Global Atmospheric Chemistry (IGAC) Science Conference*, 9–13 September, Kuala Lumpur, MY, p. A40.
- 98) K. Tavernaraki, D. Paraskevopoulou, I. Tsiodra, **G. Grivas**, M. Tsagkaraki, K. Papoutsidaki, C. Parinos, A. Bougiatioti, N. Mihalopoulos: “Oxidative potential of atmospheric aerosol and polycyclic aromatic compounds: Toxicity and carcinogenicity at urban sites of Eastern Mediterranean”, *18th International Global Atmospheric Chemistry (IGAC) Science Conference*, 9–13 September, Kuala Lumpur, MY, p. A158.
- 99) K. Papoutsidaki, I. Tsiodra, **G. Grivas**, A. Bougiatioti, K. Oikonomou, F. Kozonaki, K. Tavernaraki, M. Tsagkaraki, A. Nenes, N. Mihalopoulos, M. Kanakidou: “Levels and sources of phosphorus and bioaerosols in the Eastern Mediterranean atmosphere”, *18th International Global Atmospheric Chemistry (IGAC) Science Conference*, 9–13 September, Kuala Lumpur, MY, p. C67.
- 100) A. Bougiatioti, **G. Grivas**, C. Chatzidiakos, E. Liakakou, C. Narbaud, M. Delmotte, M. Ramonet, N. Mihalopoulos: “Mapping of greenhouse gases within the Greater Athens Area using mobile measurements”, *ICOS Science Conference 2024*, 10–12 September 2024, Versailles, FR, p. 319.

- 101) M.O.P. Ramacher, I. Stavroulas, **G. Grivas**, D. Karagiannis, E. Athanasopoulou, F. Lenartz: "Infiltrating our safe space: Quantifying the impact of indoor infiltration on PM_{2.5} exposure in residential environments", *ITM 2024 International Technical Meeting on Air Pollution Modeling and its Application*, 14 – 18 October 2024, Copenhagen, DK.
- 102) M. Georgiou, I. Romas, C. Papathanasiou, M. Vlachos, K. Erotokritou, M. Sophocleous, E. Drakaki⁽⁴⁾, **G. Grivas**, P. Kosmopoulos, M. Ghanad, H. Al-Askary, O. Elbadawy, G. Alexandrou, P. Mouzourides, M. Mesaros, R. Segura, F. Alcalá: "Real-time environmental monitoring system architecture using distributed networks of low-cost and high-end sensors combined with remote sensing and data assimilation", *EGU General Assembly 2025*, 27 April–2 May 2025, Vienna, AU. p. EGU25-20466, [doi: 10.5194/egusphere-egu25-20466](https://doi.org/10.5194/egusphere-egu25-20466)
- 103) N. Mihalopoulos, V. Assimakopoulos, K.-M. Fameli, E. Fragkou, S. Genitsaris⁵, A. Gogou, M. Moustaka-Gouni, **G. Grivas**, I. Hatzianestis, I. Kapsomenakis, V. Kolovoyiannis, A. Kotrikla, E. Krasakopoulou, N. Liora, A.A. Mazioti, L. Ntziachristos, C. Parinos, A. Poupkou, A. Progiou, E. Skylaki, S. Solomos, M. Tsagkaraki, G. Tsegas, E. Tragou, V. Zervakis: "Environmental impact of climatic relevant particulate species emitted by shipping in the Eastern Mediterranean", *12th International Conference on Environmental Management, Engineering, Planning and Economics (CEMEPE 2025) and SECOTOX Conference*, 25 – 29 May 2025, Mykonos, GR.
- 104) **G. Grivas**, E. Liakakou, I. Stavroulas, P. Kalkavouras, M. Tsagkaraki, A. Bougiatioti, E. Gerasopoulos, N. Mihalopoulos: "A holistic approach to assess the impact of port activities on air quality: The case of Piraeus Port, Greece", *European Aerosol Conference 2025*, 31 August – 5 September 2025, Lecce, IT.
- 105) M. Kimourtzi, **G. Grivas**, C. Chatzidiakos, N. Gāgane, S. Skudra, A. Zučka, G. Hager, T. Harwell, I. Moorthy, E. Gerasopoulos: "Assessing the impact of urban greenspaces on PM_{2.5} spatiotemporal variability in Riga, Latvia, via citizen science and low-cost sensors", *European Aerosol Conference 2025*, 31 August – 5 September 2025, Lecce, IT.
- 106) I. Tsiodra, **G. Grivas**, K. Tavernaraki, C. Parinos, D. Paraskevopoulou, M. Tsagkaraki, E. Liakakou, A. Bougiatioti, N. Mihalopoulos: "Source apportionment and carcinogenic risk assessment for Polycyclic Aromatic Hydrocarbons (PAHs), and their oxygenated (oxy-PAHs) and nitrated (nitro-PAHs) derivatives, in a city impacted by residential Biomass Burning", *European Aerosol Conference 2025*, 31 August – 5 September 2025, Lecce, IT.
- 107) P. Kalkavouras, **G. Grivas**, N. Mihalopoulos: "Long-term characterization of Lung Deposited Surface Area of Ultrafine Particles in Athens, Greece", *European Aerosol Conference 2025*, 31 August – 5 September 2025, Lecce, IT.
- 108) K. Papoutsidaki, **G. Grivas**, F.-A. Kozonaki, K. Tavernaraki, K. Oikonomou, I. Tsiodra, M. Tsagkaraki, A. Bougiatioti, N. Mihalopoulos, M. Kanakidou: "Source apportionment analysis of phosphorus in PM_{2.5} and PM₁₀ in two Greek cities", *European Aerosol Conference 2025*, 31 August – 5 September 2025, Lecce, IT.
- 109) D.G. Kaskaoutis, K. Petrinoli, **G. Grivas**, P. Kalkavouras, M. Tsagkaraki, K. Tavernaraki, K. Papoutsidaki, I. Stavroulas, D. Paraskevopoulou, A. Bougiatioti, E. Liakakou, R.E.P. Sotiropoulos, E. Tagaris, E. Gerasopoulos, N. Mihalopoulos: "Optical and chemical properties of smoke aerosols from peri-urban wildfires in Athens", *European Aerosol Conference 2025*, 31 August – 5 September 2025, Lecce, IT.
- 110) K. Tavernaraki, I. Tsiodra, K. Papoutsidaki, D. Paraskevopoulou, **G. Grivas**, A. Bougiatioti, C. Parinos, G. Bardis, M. Kanakidou, N. Mihalopoulos: "Levels of particulate Polycyclic Aromatic Compounds and their Carcinogenic Risk in an urban center of Greece: A Three-Year Study", *European Aerosol Conference 2025*, 31 August – 5 September 2025, Lecce, IT.
- 111) K. Petrinoli, I. Stavroulas, M. Desservettaz, E. Liakakou, **G. Grivas**, N. Hatzianastassiou, E. Bourtsoukidis, A. Bougiatioti, N. Mihalopoulos: "Smoke on the water at Ioannina, Greece: emissions and processing of wood burning products on aerosols", *European Aerosol Conference 2025*, 31 August – 5 September 2025, Lecce, IT.
- 112) A. Poupkou, N. Liora, S. Kontos, S. Solomos, I. Kapsomenakis, **G. Grivas**, V. Assimakopoulos, K.-M. Fameli, A. Progiou, P. Kalabokas, N. Mihalopoulos, D. Melas, C. Zerefos: "Studying the impact of ship emissions on the PM chemical composition in a large Mediterranean Port", *European Aerosol Conference 2025*, 31 August – 5 September 2025, Lecce, IT.

- 113) M. Rigler, M. Ivančič, I. Stavroulas, E. Liakakou, **G. Grivas**, P. Kalkavouras, L. Bubola, I. Ježek Breclj, B. Alfody, G. Lavrič, N. Mihalopoulos, A. Gregorič: "Optimized Source Apportionment Using Total Carbon and Black Carbon Measurements: Integrating Multidimensional BC-Tracer and AAE Models", *European Aerosol Conference 2025*, 31 August – 5 September 2025, Lecce, IT.
- 114) I. Tsiodra, M.P. Georgopoulou, K. Florou, C. Kaltsonoudis, C. Parinos, **G. Grivas**, A. Bougiatioti, S.N. Pandis, N. Mihalopoulos, A. Nenes: "Chamber experiments on the evolution of Polycyclic Aromatic Hydrocarbons (PAHs) and oxygenated PAHs (OPAHs) in fresh and aged biomass burning emissions", *European Aerosol Conference 2025*, 31 August – 5 September 2025, Lecce, IT.
- 115) A. M. Kotrikla, G. Remoundos, M. Lekakou, A. Polydoropoulou, G. Papaioannou, I. Katsounis, K.M. Fameli, V. Assimakopoulos, G. Grivas, N. Mihalopoulos, N. Liora, A. Poupkou, A. Progiou, C. Zerefos, A. Grigoriadis, G. Tsegas, E. Fragkou, L. Ntziachristos: "Ship electrification as a pathway to decarbonize shipping: The case of Perama-Salamina line", *19th International Conference on Environmental Science and Technology*, 3-6 September 2025, Kos, GR, p. cest2025_00250
- 116) N. Liora, A. Poupkou, S. Kontos, K.-M. Fameli, G. Remoundos, A. Grigoriadis, E. Fragkou, V. Assimakopoulos, A. Bougiatioti, **G. Grivas**, A. Kotrikla, N. Mihalopoulos, L. Ntziachristos, A. Progiou, S. Solomos, C. Zerefos: "Air quality benefits of ship electrification: A modeling case study for Saronic Gulf, Greece", *17th International Conference on Meteorology, Climatology and Atmospheric Physics*, 29 September – 1 October, Nicosia, CY.

v) Studies presented at national conferences

- 1) **G. Grivas**, A. Chaloulakou, P. Kassomenos, V. Kanouta, N. Spyrellis: "Episodes of PM_{2.5} in the Athenian atmosphere during 1999-2000", 6th Conference of Meteorology, Climatology and Atmospheric Physics, 25-28 September 2002, Ioannina, pp. 586-590.
- 2) **G. Grivas**, V. Kanouta, V. Papapostolou, A. Chaloulakou, N. Spyrellis: "Statistical analysis of particulate matter concentration time-series in the area of Athens", *4th Panhellenic Scientific Conference of Chemical Engineering*, 29-31 May 2003, Patras, pp. 1057-1060.
- 3) **G. Grivas**, V. Kanouta, P. Constantopoulou, A. Chaloulakou, N. Spyrellis: "Study of the spatial variability of PM_{2.5} concentrations. Analysis of diurnal cycles", *4th Panhellenic Scientific Conference of Chemical Engineering*, 29-31 May 2003, Patras, pp. 1061-1064.
- 4) **G. Grivas**, E. Diapouli, A. Chaloulakou, N. Spyrellis: "Study of size-resolved particle number concentrations at a central location of Athens", *5th Panhellenic Scientific Conference of Chemical Engineering*, 26-28 May 2005, Thessaloniki, pp. 717-720.
- 5) E. Diapouli, **G. Grivas**, A. Chaloulakou, N. Spyrellis: "Measurements and prediction models for indoor particulate matter levels", *6th Panhellenic Scientific Conference of Chemical Engineering*, 31 May - 2 June 2007, Athens, pp. 581-584.
- 6) A. Chaloulakou, **G. Grivas**, E. Diapouli, G. Biskos, B. Georgalas, N. Mihalopoulos, N. Spyrellis: "Study of fine and ultrafine particle pollution in the atmosphere of Athens. Mass and number concentration levels, spatiotemporal variation and quantification of source contributions", *Pythagoras: Conference for Scientific Research at the National Technical University of Athens*, 5-8 July 2007, Plomari, Lesvos, pp. 373-380.
- 7) S. Rodopoulou, K. Dimakopoulou, A. Karakatsani, E. Samoli, **G. Grivas**, K. Katsouyanni: "Effects of ozone exposure on exhaled air pH levels used as an indicator of pulmonary inflammation in children. RESPOZE project", *5th Panhellenic Conference of the Forum of Public Health and Social Medicine*, 21-23 November 2014, Thessaloniki, p. P40.
- 8) A. Kakouri, M. Ramacher, E. Athanasopoulou, **G. Grivas**, O. Speyer, M. Karl, T. Kontos, E. Gerasopoulos: "A GIS - based tool in service of high resolution air quality mapping", *Scientific Conference on Geography of the University of the Aegean*, 2-4 June 2021 (online conference).
- 9) G. Veratti, I. Stavroulas, A. Bigi, **G. Grivas**, P. Kalkavouras, D. Paraskevopoulou, E. Liakakou, A. Bougiatioti, O. Speyer, C. Chatzidiakos, E. Gerasopoulos, M. Stortini, G. Ghermandi, E., Gerasopoulos, N. Mihalopoulos. "Mappatura della variabilità urbana di Black e Brown Carbon nella città di Atene", *X Convegno sul Particolato Atmosferico*, 18-20 May 2022, Bologna, IT, p. 3-A-6.

- 10) I. Tsiodra, K. Tavernaraki, **G. Grivas**, C. Parinos, K. Papoutsidaki, D. Paraskevopoulou, E. Liakakou, A. Gogou, A. Bougiatioti, M. Kanakidou, E. Gerasopoulos, N. Mihalopoulos: "Spatiotemporal gradients of PAH concentrations in Greek cities and association with exposure impacts", *HAAR Annual Workshop 2024*, 29 March, Thessaloniki.
- 11) K. Tavernaraki, D. Paraskevopoulou, I. Tsiodra, **G. Grivas**, M. Tsagkaraki, K. Papoutsidaki, C. Parinos, A. Bougiatioti, N. Mihalopoulos: "Toxicity and carcinogenic risk of particulate matter (PM) in three urban areas of Greece", *HAAR Annual Workshop 2024*, 29 March, Thessaloniki
- 12) K. Petrinoli, I. Stavroulas, M. Desservettaz, E. Liakakou, **G. Grivas**, N. Hatzianastassiou, E. Bourtsoukidis, A. Bougiatioti, N. Mihalopoulos: "Smoke on the water at Ioannina, Greece: emissions and processing of wood burning", *HAAR Annual Workshop 2025*, 16 May 2025, Heraklion.
- 13) K. Tavernaraki, I. Tsiodra, K. Papoutsidaki, D. Paraskevopoulou, **G. Grivas**, A. Bougiatioti, C. Parinos, G. Bardis, M. Kanakidou, N. Mihalopoulos: "Levels of particulate Polycyclic Aromatic Compounds and their Carcinogenic Risk in an urban center of Greece: A Three-Year Study", *HAAR Annual Workshop 2025*, 16 May 2025, Heraklion.

C2. Recognition of Research Work

i) Impact (source: 2023 Journal Impact Factors, Clarivate Analytics)

63 articles in international peer-reviewed journals (8 as first author, 21 as second author, 11 as corresponding author) with an average Journal Impact Factor: 5.45

ii) Citations (source: Scopus, June 2025)

3620 citations (3220 excluding self-citations of author) to 66 journal articles and book chapters

Average citation number per article: 54.8

h-index: 32, *h*-10: 48, *h*-100: 11

iii) Selection as Journal Editor

- Associate editor of [npj Climate and Atmospheric Science](#), a Nature Portfolio journal (2023 Impact Factor: 8.5). 05/2025 – today.

iv) Selection as reviewer

- Reviewer of international research proposals (e.g., FONDECYT-ANID, Chile; OPUS-NCN, Poland)

- Reviewer in more than 130 articles for 38 journals, including *Environmental Science and Technology*, *One Earth*, *Journal of Hazardous Materials*, *Environment International*, *Environmental Pollution*, *Science of the Total Environment*, *Environmental Research*, *Atmospheric Chemistry and Physics*, *Atmospheric Measurement Techniques*, *Atmospheric Environment* etc.

D. Teaching Experience

School of Chemical Engineering, National Technical University of Athens

- 1) *Industrial Health and Safety* (2004-2012): Teaching assistant, tutoring, educational software development and preparation of educational material.
- 2) *Design of Pollution Control Installations* (2006-2007): Teaching assistant, preparation of educational material.
- 3) *Risk Assessment and Management* (2008-2009): Teaching assistant, preparation of educational material.
- 4) *Environmental Engineering* (2011-2012): Teaching assistant

M.Sc. "Energy Management and Environmental Protection Systems", NTUA – Univ. Piraeus

- *Safety and Health in the Workplace* (2005-2010): Teaching assistant and laboratory tutoring