

Curriculum Vitae

Iasonas A. Stavroulas

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Education

- 2010 : Degree in Physics. University of Crete, Physics Department.
- 2013 : MSc in Environmental Science and Engineering. University of Crete, Chemistry Department.
- 2023 : PhD in Chemistry. University of Crete, Chemistry Department.

Awards - Scholarships

- 2015 – 2017: Fellowship for doctoral studies. State Scholarships Foundation (IKY) Fellowships of Excellence for Postgraduate Studies in Greece - Siemens Program.
- 2020 – 2021: Fellowship supporting young researchers. Operational Program: Human Resources Development, Education and Lifelong Learning. European Social Fund.

Publications

Co-authored 48 publications in international scientific peer-reviewed journals and close to 100 publications presented in international scientific conferences. This work has received a total of 1209 citations yielding an h-index of 21 (Source: Scopus, April 2023). A full list of the co-authored publications in peer-reviewed journals as well as a list of presentations held at International Conferences, can be found in Appendices [A](#) and [B](#).

Book Chapters

D.G. Kaskaoutis, [I. Stavroulas](#), A. Bougiatioti, E. Gerasopoulos, N. Mihalopoulos, A. Alastuey, F. Dulac, M.C. Minguillón, A. Rashki, J. Sciare, G. Titos. **Diurnal to seasonal variability of aerosols above the Mediterranean.** Chapter 3.3 in *An overview of Mediterranean aerosol studies: Comprehensive Diagnosis and Impacts*. Edited by F. Dulac, S. Sauvage, and E. Hamonou. In Press, 2020.

Monographs

New Particle Formation in the Eastern Mediterranean Atmosphere. Diploma Thesis for the Physics Department supervised by Prof. Nikolaos Mihalopoulos of the Chemistry Department of the University of Crete (2010).

Particle Size Distributions in the Eastern Mediterranean Atmosphere. Masters Thesis supervised by Prof. Nikolaos Mihalopoulos (2013).

Near real time measurements of the chemical composition of fine ($< 1\mu m$) aerosol in the Eastern Mediterranean. Doctoral Dissertation. Supervisor: Prof. Nikolaos Mihalopoulos

Patents

Drinovec, L., Mocnik, G., Stavroulas, I., Bezantakos, S., Pikridas, M., Unga, F., Sciare, J. **A Method for Quantification of Mineral Dust in Air, Based on Optical Absorption of Particles Concentrated by a Virtual Impactor and a Device Performing the Said Method.** US Patent: *US11566991(B2)* – 2023/01/31.

Invited Talks

Intra-urban mapping of BC using sensor technologies. RECETOX 16th Summer School and SMURBS Training School 2020.

Working Experience

Positions

February 2012 - September 2015 : Research Fellow. University of Aegean. Department of Environment

February 2016 - currently: Research Assistant. The Cyprus Institute. Energy, Environment and Water Research Center.

June 2018 - currently: Research Associate. National Observatory of Athens. Institute for Environmental Research and Sustainable Development.

Projects

Thales SO-PHY-PRO-CLIM-GR. Determination of the Sources and the Physicochemical Properties of Fine and Ultrafine Aerosol Particles that affect the Regional Climate of Greece (15/09/2012 – 14/09/2015). Funding: European Social Fund and National Strategic Reference Framework. Contractor: University Of Aegean. Scientific Coordinator: C. Pilinis.

BACCHUS. Impact of Biogenic versus Anthropogenic emissions on Clouds and Climate: towards a Holistic UnderStanding (01/02/2016 – 31/01/2017). Funding: *EU – FP7*, project number 603445. Contractor: The Cyprus institute. Scientific Coordinator: N. Mihalopoulos.

ACTRIS 2. Aerosols, Clouds, and Trace gases Research InfraStructure Network (01/02/2017 – 31/01/2018). Funding: *H2020 – INFRAIA* – 2014 – 2015. Contractor: The Cyprus Institute. Scientific Coordinator: J.Sciare.

ERA-PLANET/SMURBS. SMart URBan Solutions for air quality, disasters and city growth (01/09/2018 – 31/08/2020). Funding: Horizon 2020 (H2020) *SC5 – 15 – 2015* under the ERA-PLANET grant agreement no 689443. Contractor: National Observatory of Athens. Scientific Coordinator: E. Gerasopoulos.

PANACEA. PANhellenic infrastructure for Atmospheric Composition and climatE change (01/09/2020 – 31/08/2022). Funding: NSRF 2014 – 2020 (MIS 5021516). Contractor: National Observatory of Athens. Scientific Coordinator: E. Gerasopoulos.

RI-URBANS. Research Infrastructures Services Reinforcing Air Quality Monitoring Capacities in European Urban and Industrial AreaS (01/09/2022 – *currently*). Funding: Horizon 2020 (H2020) under Grant agreement ID: 101036245. Contractor: National Observatory of Athens. Scientific Coordinator: N. Mihalopoulos.

Teaching Experience

September 2013 - December 2013. Teaching assistant. Laboratories of Physical Chemistry I. Department of Chemistry. University of Crete.

January 2015 - May 2015. Teaching assistant. Laboratories of Physical Chemistry II. Department of Chemistry. University of Crete.

September 2015 - December 2015. Teaching assistant. Laboratories of Physical Chemistry I. Department of Chemistry. University of Crete.

Field Experience

During field work, mainly at the atmospheric monitoring station at **Finokalia**, at the **Cyprus Atmospheric Observatory**, the **Thissio Air Monitoring Station** and various field campaigns, I have gained expertise in operating several atmospheric monitoring instruments, such as:

Aerodyne Aerosol Chemical Speciation Monitor (ACSM), Scanning Mobility Particle Sizer (SMPS), ESA's LR-211-UV-D40 Four Channel Raman Lidar, Air Ion Spectrometer (AIS), Cloud Condensation Nuclei Counter (CCNc), Multi Angle Absorption Photometer (MAAP), Magee Scientific Aethalometer (AE-31, AE-33, AE-42), Nephelometer (TSI, Ecotech), Beta Gauge Continuous Ambient Particulate Monitor, FH62C14, Thermo TEOM 1400, Aerosol size distribution monitors (TSI APS, Grimm OPC), Various Reactive Gas monitors (Thermo, ecotech, Horiba), Low-cost PM monitors (PurpleAir PA-II, Alphasense OPC-N₂/N₃/R₂), Low-cost electrochemical reactive gas sensors, Portable BC monitors (Aethlabs AE52, MA200, MA350), Portable UFP monitors (Naneos Partector 2).

Workshops - Seminars

ACTRIS intercomparison workshop for mobility particle size spectrometers and condensation particle counters, Leibniz Institute of Tropospheric Research, 16 – 20 September 2013, Leipzig, Germany

PSI SoFi Workshop, Paul Scherer Institute, 9 – 11 December 2013, Bad Zurzach, Switzerland

PSI SoFi Workshop, Paul Scherer Institute, 9 – 12 February 2015, Bad Zurzach, Switzerland

ACTRIS 2 ACSM Intercomparison Workshop, ACMCC, LSCE, CEA-CNRS, 7 – 11 March 2016, Paris, France

COST Action CA16109 COLOSSAL, Training School on Black and Brown Carbon, 15 – 17 January 2018, Ljubljana

COST Action CA16109 COLOSSAL, Training School on ToF-ACSM, 12 – 14 February 2018, Prague

COST Action CA16109 COLOSSAL, Training School on source apportionment of organic aerosol, 15 – 17 February 2018, Prague

PSI SoFi RealTime Workshop, Paul Scherer Institute, 2 – 6 December 2019, PSI Villigen, Switzerland

Languages

Greek. Native

French. Basic

English. Fluent

Computers and Data Analysis

Operating Systems : MS Windows, Linux

Programming : Fortran 77, Java SE

Software : Mathworks Matlab, Wavemetrics Igor Pro, L^AT_EX, MS Office

Specialized Software Packages : Source Finder (SoFi Pro), ZeFir

Miscellaneous

Driving License (Category B')

Appendices

A List of Publications in Peer Reviewed Journals

1. Kalivitis, N., Stavroulas, I., Bougiatioti, A., Kouvarakis, G., Gagné, S., Manninen, H., Kulmala, M., and Mihalopoulos, N. **Night-time enhanced atmospheric ion concentrations in the marine boundary layer.** *Atmospheric Chemistry and Physics*, 12, 3627 – 3638, <https://doi.org/10.5194/acp-12-3627-2012>, 2012.
2. Bougiatioti, A., Stavroulas, I., Kostenidou, E., Zarrmpas, P., Theodosi, C., Kouvarakis, G., Canonaco, F., Prévôt, A.S.H., Nenes, A., Pandis, S.N., and Mihalopoulos, N. **Processing of biomass-burning aerosol in the eastern Mediterranean during summertime.** *Atmospheric Chemistry and Physics*, 14, 4793 – 4807, <https://doi.org/10.5194/acp-14-4793-2014>, 2014.
3. Kalivitis, N., Kerminen, V.-M., Kouvarakis, G., Stavroulas, I., Bougiatioti, A., Nenes, A., Manninen, H. E., Petäjä, T., Kulmala, M., and Mihalopoulos, N. **Atmospheric new particle formation as a source of CCN in the eastern Mediterranean marine boundary layer.** *Atmospheric Chemistry and Physics*, 15, 9203 – 9215, <https://doi.org/10.5194/acp-15-9203-2015>, 2015.
4. Bougiatioti, A., Bezantakos, S., Stavroulas, I., Kalivitis, N., Kokkalis, P., Biskos, G., Mihalopoulos, N., Papayannis, A., and Nenes, A. **Biomass-burning impact on CCN number, hygroscopicity and cloud formation during summertime in the eastern Mediterranean.** *Atmospheric Chemistry and Physics*, 16, 7389 – 7409, <https://doi.org/10.5194/acp-16-7389-2016>, 2016.
5. Bougiatioti, A., Nikolaou, P., Stavroulas, I., Kouvarakis, G., Weber, R., Nenes, A., Kanakidou, M., and Mihalopoulos, N. **Particle water and pH in the eastern Mediterranean: source variability and implications for nutrient availability.** *Atmospheric Chemistry and Physics*, 16, 4579 – 4591, <https://doi.org/10.5194/acp-16-4579-2016>, 2016.
6. Kalkavouras, P., Bossioli, E., Bezantakos, S., Bougiatioti, A., Kalivitis, N., Stavroulas, I., Kouvarakis, G., Protonotariou, A. P., Dandou, A., Biskos, G., Mihalopoulos, N., Nenes, A., and Tombrou, M. **New Particle Formation in the South Aegean Sea during the Etesians: importance for CCN production and cloud droplet number.** *Atmospheric Chemistry and Physics*, 17, 175 – 192, [doi: 10.5194/acp-17-175-2017](https://doi.org/10.5194/acp-17-175-2017), 2017.
7. Fourtziou, L., Liakakou, E., Stavroulas, I., Theodosi, C., Zarrmpas, P., Psiloglou, B., Sciare, J., Maggos, T., Bairachtari, K., Bougiatioti, A., Gerasopoulos, E., Sarda-Estève, R., Bonnaire, N., and Mihalopoulos, N. **Multi-tracer approach to characterize domestic wood burning in Athens (Greece) during wintertime.** *Atmospheric Environment*, 148, 89 – 101, [doi: 10.1016/j.atmosenv.2016.10.011](https://doi.org/10.1016/j.atmosenv.2016.10.011), 2017.
8. Michoud, V., Sciare, J., Sauvage, S., Dusanter, S., Léonardis, T., Gros, V., Kalogridis, C., Zannoni, N., Féron, A., Petit, J.-E., Crenn, V., Baisnée, D., Sarda-Estève, R., Bonnaire, N., Marchand, N., DeWitt, H. L., Pey, J., Colomb, A., Gheusi, F., Szidat, S., Stavroulas, I., Borbon, A., and Locoge, N. **Organic carbon at a remote site of the western Mediterranean Basin: sources and chemistry during the ChArMEx SOP2 field experiment.** *Atmospheric Chemistry and Physics*, 17, 8837 – 8865, <https://doi.org/10.5194/acp-17-8837-2017>, 2017.
9. Debevec, C., Sauvage, S., Gros, V., Sciare, J., Pikridas, M., Stavroulas, I., Salameh, T., Leonardis, T., Gaudion, V., Depelchin, L., Fronval, I., Sarda-Estève, R., Baisnée, D., Bonsang, B., Savvides, C., Vrekoussis, M., and Locoge, N. **Origin and variability in volatile organic compounds observed at an Eastern Mediterranean background site (Cyprus).** *Atmospheric Chemistry and Physics*, 17, 11355 – 11388, <https://doi.org/10.5194/acp-17-11355-2017>, 2017.
10. J. Schmale, S. Henning, B. Henzing, H. Keskinen, K. Sellegri, J. Ovadnevaite, A. Bougiatioti, N. Kalivitis, I. Stavroulas, A. Jefferson, M. Park, P. Schlag, A. Kristensson, Y. Iwamoto, K. Pringle, C. Reddington, P. Aalto, M. Äijälä, U. Baltensperger, J. Bialek, W. Birmili, N. Bukowiecki, M. Ehn, A. M. Fjæraa, M. Fiebig, G. Frank, R. Fröhlich, A. Frumau, M. Furuya, E. Hammer, L. Heikkinen, E. Herrmann, R. Holzinger, H. Hyono, M. Kanakidou, A. Kiendler-Scharr, K. Kinouchi, G. Kos, M. Kulmala, N. Mihalopoulos, G. Motos, A. Nenes, C. O'Dowd, M. Paramonov, T. Petäjä, D. Picard, L. Poulain, A. S. H. Prévôt, J. Slowik, A. Sonntag,

- E. Swietlicki, B. Svenningsson, H. Tsurumaru, A. Wiedensohler, C. Wittbom, J. A. Ogren, A. Matsuki, S. S. Yum, C. L. Myhre, K. Carslaw, F. Stratmann and M. Gysel. **Collocated observations of cloud condensation nuclei, particle size distributions, and chemical composition.** *Scientific Data*, Article number: 170003, doi : 10.1038/sdata.2017.3, 2017.
11. Schmale, J., Henning, S., Decesari, S., Henzing, B., Keskinen, H., Sellegri, K., Ovadnevaite, J., Pöhlker, M. L., Brito, J., Bougiatioti, A., Kristensson, A., Kalivitis, N., Stavroulos, I., Carbone, S., Jefferson, A., Park, M., Schlag, P., Iwamoto, Y., Aalto, P., Äijälä, M., Bukowiecki, N., Ehn, M., Frank, G., Fröhlich, R., Frumau, A., Herrmann, E., Herrmann, H., Holzinger, R., Kos, G., Kulmala, M., Mihalopoulos, N., Nenes, A., O'Dowd, C., Petäjä, T., Picard, D., Pöhlker, C., Pöschl, U., Poulain, L., Prévôt, A. S. H., Swietlicki, E., Andreae, M. O., Artaxo, P., Wiedensohler, A., Ogren, J., Matsuki, A., Yum, S. S., Stratmann, F., Baltensperger, U., and Gysel, M. **Long-term cloud condensation nuclei number concentration, particle number size distribution and chemical composition measurements at regionally representative observatories.** *Atmospheric Chemistry and Physics*, 18, 2853 – 2881, <https://doi.org/10.5194/acp-18-2853-2018>, 2018.
 12. Debevec, C., Sauvage, S., Gros, V., Sellegri, K., Sciare, J., Pikridas, M., Stavroulos, I., Leonardis, T., Gaudion, V., Depelchin, L., Fronval, I., Sarda-Esteve, R., Baisnée, D., Bonsang, B., Savvides, C., Vrekoussis, M., and Locoge, N. **Driving parameters of biogenic volatile organic compounds and consequences on new particle formation observed at an Eastern Mediterranean background site.** *Atmospheric Chemistry and Physics*, 18, 14297 – 14325, <https://doi.org/10.5194/acp-18-14297-2018>, 2018.
 13. Katsanos, D., Bougiatioti, A., Liakakou, E., Kaskaoutis, D.G., Stavroulos, I., Lianou, M., Psiloglou, B.E., Gerasopoulos, E. and Mihalopoulos, N. **Optical Properties of Near-surface Urban Aerosols and their Chemical Tracing in a Mediterranean City (Athens).** *Aerosol and Air Quality Research*, 19, 49 – 70, <https://doi.org/10.4209/aaqr.2017.11.0544>, 2019.
 14. Stavroulos, I., Bougiatioti, A., Grivas, G., Paraskevopoulou, D., Tsagkaraki, M., Zarnpas, P., Liakakou, E., Gerasopoulos, E. and Mihalopoulos, N. **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, <https://doi.org/10.5194/acp-19-901-2019>, 2019.
 15. Kalivitis, N., Kerminen, V.-M., Kouvarakis, G., Stavroulos, I., Tzitzikalaki, E., Kalkavouras, P., Daskalakis, N., Myriokefalitakis, S., Bougiatioti, A., Manninen, H. E., Roldin, P., Petäjä, T., Boy, M., Kulmala, M., Kanakidou, M., and Mihalopoulos, N. **Formation and growth of atmospheric nanoparticles in the eastern Mediterranean: results from long-term measurements and process simulations.** *Atmospheric Chemistry and Physics*, 19, 2671 – 2686, <https://doi.org/10.5194/acp-19-2671-2019>, 2019.
 16. Paraskevopoulou, D., Bougiatioti, A., Stavroulos, I., Fang, T., Lianou, M., Liakakou, E., Gerasopoulos, E., Weber, R., Nenes, A. and Mihalopoulos, N. **Yearlong variability of oxidative potential of particulate matter in an urban Mediterranean environment.** *Atmospheric Environment*, 206, 183 – 196, <https://doi.org/10.1016/j.atmosenv.2019.02.027>, 2019.
 17. Kalkavouras, P., Bougiatioti, A., Kalivitis, N., Stavroulos, I., Tombrou, M., Nenes, A., and Mihalopoulos, N. **Regional new particle formation as modulators of cloud condensation nuclei and cloud droplet number in the eastern Mediterranean.** *Atmospheric Chemistry and Physics*, 19, 6185 – 6203, <https://doi.org/10.5194/acp-19-6185-2019>, 2019.
 18. Freney, E., Zhang, Y., Croteau, P., Amodeo, T., Williams, L., Truong, F., Petit, J.-E., Sciare, J., Sarda-Esteve, R., Bonnaire, N., Arumae, T., Aurela, M., Bougiatioti, A., Mihalopoulos, N., Coz, E., Artinano, B., Crenn, V., Elste, T., Heikkinen, L., Poulain, L., Wiedensohler, A., Herrmann, H., Priestman, M., Alastuey, A., Stavroulos, I., Tobler, A., Vasilescu, J., Zanca, N., Canagaratna, M., Carbone, C., Flentje, H., Green, D., Maasikmets, M., Marmureanu, L., Minguillon, M.C., Prévôt, A.S.H., Gros, V., Jayne, J. and Favez, O. **The second ACTRIS inter-comparison (2016) for Aerosol Chemical Speciation Monitors (ACSM): Calibration protocols and instrument performance evaluations.** *Aerosol Science and Technology*, 53 : 7, 830 – 842, <https://doi.org/10.1080/02786826.2019.1608901>, 2019.

19. Vratolis, S., Gini, M., Bezantakos, S., Stavroulas, I., Kalivitis, N., Kostenidou, E., Louvaris, E., Siakavaras, D., Biskos, G., Mihalopoulos, N., Pandis, S. N., Pilinis, C., Papayannis, A. and Eleftheriadis K. **Particle number size distribution statistics at City-Centre Urban Background, urban background, and remote stations in Greece during summer.** *Atmospheric Environment*, 213,711 – 726, doi:10.1016/j.atmosenv.2019.05.064, 2019.
20. Tsiflikiotou, M. A., Kostenidou, E., Papanastasiou, D. K., Patoulias, D., Zampas, P., Paraskevopoulou, D., Diapouli, E., Kaltsonoudis, C., Florou, K., Bougiatioti, A., Stavroulas, I., Theodosi, C., Kouvarakis, G., Vasiliatou, V., Siakavaras, D., Biskos, G., Pilinis, C., Eleftheriadis, K., Gerasopoulos, E., Mihalopoulos, N. and Pandis, S. N. **Summertime particulate matter and its composition in Greece.** *Atmospheric Environment*, 213, 597 – 607, <https://doi.org/10.1016/j.atmosenv.2019.06.013>, 2019.
21. Merabet, H., Kerbachi, R., Mihalopoulos, N., Stavroulas, I., Kanakidou, M., and Yassaa, N. **Measurement of atmospheric black carbon in some South Mediterranean cities: Seasonal variations and source apportionment.** *Clean Air Journal*, 29, 1 – 19, <https://doi.org/10.17159/caj/2019/29/2.7500>, 2019.
22. Pikridas, M., Bezantakos, S., Močnik, G., Keleshis, C., Brechtel, F., Stavroulas, I., Demetriades, G., Antoniou, P., Vouterakos, P., Argyrides, M., Liakakou, E., Drinovec, L., Marinou, E., Amiridis, V., Vrekoussis, M., Mihalopoulos, N., and Sciare, J. **On-flight intercomparison of three miniature aerosol absorption sensors using Unmanned Aerial Systems (UASs).** *Atmospheric Measurement Techniques*, 12, 6425 – 6447, <https://doi.org/10.5194/amt-12-6425-2019>, 2019.
23. Grivas, G., Stavroulas, I., Liakakou, E., Kaskaoutis, D.G., Bougiatioti, A., Paraskevopoulou, D., Gerasopoulos, E., and Mihalopoulos, N. **Measuring the spatial variability of black carbon in Athens during wintertime.** *Air Quality, Atmosphere and Health*, 12, 1405 – 1417, <https://doi.org/10.1007/s11869-019-00756-y>, 2019.
24. Liakakou, E., Stavroulas, I., Kaskaoutis, D.G., Grivas, G., Paraskevopoulou, D., Dumka, U.C., Tsagkaraki, M., Bougiatioti, A., Oikonomou, K., Sciare, J., Gerasopoulos, E., and Mihalopoulos, N. **Long-term variability, source apportionment and spectral properties of black carbon at an urban background site in Athens, Greece.** *Atmospheric Environment*, 222, 117137, <https://doi.org/10.1016/j.atmosenv.2019.117137>, 2020.
25. Liakakou, E., Kaskaoutis, D.G., Grivas, G., Stavroulas, I., Tsagkaraki, M., Paraskevopoulou, D., Bougiatioti, A., Dumka, U.C., Gerasopoulos, E., and Mihalopoulos, N. **Long-term brown carbon spectral characteristics in a Mediterranean city (Athens).** *Science of The Total Environment*, 708, 135019, doi: 10.1016/j.scitotenv.2019.135019, 2020.
26. Kaskaoutis, D.G., Grivas, G., Theodosi, C., Tsagkaraki, M., Paraskevopoulou, D., Stavroulas, I., Liakakou, E., Gkikas, A., Hatzianastassiou, N., Wu, C., Gerasopoulos, E., and Mihalopoulos, N. **Carbonaceous Aerosols in Contrasting Atmospheric Environments in Greek Cities: Evaluation of the EC-tracer Methods for Secondary Organic Carbon Estimation.** *Atmosphere*, 11(2), 161, 2020.
27. Kalkavouras, P., Bougiatioti, A., Grivas, G., Stavroulas, I., Kalivitis, N., Liakakou, E., Gerasopoulos, E., Pilinis, C. and Mihalopoulos, N. **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*, In Press, doi:10.1016/j.atmosres.2020.104911, 2020.
28. Rigler, M., Drinovec, L., Lavrič, G., Vlachou, A., Prévôt, A.S.H., Jaffrezo, J. L., Stavroulas, I., Sciare, J., Burger, J., Kranjc, I., Turšič, J., Hansen, A.D.A., and Močnik, G. **The new instrument using a TC-BC (total carbon-black carbon) method for the online measurement of carbonaceous aerosols.** *Atmos. Meas. Tech.*, 13, 4333 – 4351, <https://doi.org/10.5194/amt-13-4333-2020>, 2020.
29. Drinovec, L., Sciare, J., Stavroulas, I., Bezantakos, S., Pikridas, M., Unga, F., Savvides, C., Višić, B., Remškar, M., and Močnik, G. **A new optical-based technique for real-time measurements of mineral dust concentration in PM₁₀ using a virtual impactor.** *Atmos. Meas. Tech.*, 13, 3799 – 3813, <https://doi.org/10.5194/amt-13-3799-2020>, 2020.
30. Panopoulou, A., Liakakou, E., Sauvage, S., Gros, V., Locoge, N., Stavroulas, I., Bonsang, B., Gerasopoulos, E., and Mihalopoulos, N. **Yearlong measurements of Monoterpenes and Isoprene in a Mediter-**

- ranean city (Athens): Natural vs anthropogenic origin.** *Atmospheric Environment*, 243, 117803, <https://doi.org/10.1016/j.atmosenv.2020.117803>, 2020.
31. Stavroulas, I., Grivas, G., Michalopoulos, P., Liakakou, E., Bougiatioti, A., Kalkavouras, P., Fameli, K.M., Hatzianastassiou, N., Mihalopoulos, N., and Gerasopoulos, E. **Field Evaluation of Low-Cost PM Sensors (Purple Air PA-II) Under Variable Urban Air Quality Conditions, in Greece.** *Atmosphere*, 11, 926, <https://doi.org/10.3390/atmos11090926>, 2020.
 32. Grivas, G., Athanasopoulou, E., Kakouri, A., Bailey, J., Liakakou, E., Stavroulas, I., Kalkavouras, P., Bougiatioti, A., Kaskaoutis, D.G., Ramonet, M., Mihalopoulos, N., and Gerasopoulos, E. **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, <https://doi.org/10.3390/atmos11111174>, 2020.
 33. Kaskaoutis, D.G., Grivas, G., Stavroulas, I., Liakakou, E., Dumka, U.C., Dimitriou, K., Gerasopoulos, E., and Mihalopoulos, N. **In situ identification of aerosol types in Athens, Greece, based on long-term optical and on online chemical characterization.** *Atmospheric Environment*, 246, 118070, DOI : 10.1016/j.atmosenv.2020.118070, 2021.
 34. Kalkavouras, P., Bougiatioti, A., Hussein, T., Kalivitis, N., Stavroulas, I., Michalopoulos, P., and Mihalopoulos, N. **Regional New Particle Formation Over the Eastern Mediterranean and Middle East.** *Atmosphere*, 12(1), 13, <https://doi.org/10.3390/atmos12010013>, 2021.
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