Curriculum Vitae
Michael Pikridas

Nationality: Greek
Date of Birth: 22/09/1981
Married, no children

Business Email: m.pikridas@cyi.ac.cy
Business Phone: +357 99 30 34 96 (cellular)

Personal Email: mpikridas@gmail.com

The Cyprus Institute
CARE-C – NTL Building
20 Konstantinou Kavafi St.
2121 Aglantzia, Nicosia, Cyprus

Personal Summary

I am a self-motivated environmental scientist with expertise in chemistry, chemical engineering, mathematics, and aerosol science. By integrating these fields and leveraging strong computational skills, I have contributed to a wide range of activities that include public policy related measurements, software development for novel instrumentation, laboratory experiments, field campaigns in stationary and moving platforms and, more recently, consulting public bodies on air pollution mitigation.

I have collaborated with a number of environmental science teams in U.S.A., Europe and the M. East within the framework of competitive funded projects, some of which I coordinated. **My administrative skills** have been initially built upon managing a laboratory and two field stations in Greece and have grown by coordinating campaigns and by leading the operation of five stations in Cyprus (Cyprus Atmospheric Observatory; CAO), which I participated in building the first one from scratch in 2014.

My research interests centre on pollution source identification and the in-situ radiative properties of aerosols. I participated in two major shipborne campaigns (AQABA and AREAD) spanning the Mediterranean and the Persian Gulf, which resulted in several publications. I coordinated the AREAD campaign under CyI's leadership and collaborated with experts such as Dr. Grisa Močnik in developing a **patented system (US Patent App. 16/999,874)** for investigating dust radiative properties. This system will be advanced via the IDEA project.

In recognition of my expertise, I am currently

- **Consultant** to the Egyptian Ministry of Environment (EEAA), through World Bank funded tenders (EG-EEAA-346347-CS-QCBS; EG-EEAA-346366-CS-CQS; EG-EEAA-423524-CS-CDS), contributing to the establishment of a monitoring network for climate relevant pollutants (BC, GHG) and to nowcasting of black carbon to tackle the black cloud.
- **Leading a team of five technical/research staff** responsible for the operation of all five CAO stations.
- **The PI for Cyprus and WP2** (measurements) co-lead of the HE Net4Cities (GA 101138405) project.
- **The PI of Cyprus-funded project ARIADNE**, which investigates the feedback loop of climate change and wildfires via monitoring of in-situ radiative properties of aerosol.

Education

My interdisciplinary training started in 2006, when I started my M.Sc. in chemical engineering under Prof. Spyros Pandis (h-index:111), a leading figure in aerosol science with whom I dug deep for six years, upon the completion of my Ph.D., into fundamental aerosol chemistry and physics. During this time I worked with a number of environmental-related instruments including both aerosol and trace gas related. Leveraging on Prof. Pandis international network, I worked as a graduate student in a number of additional laboratories including the Center of Atmospheric Particle Studies in Carnegie Mellon (US), where I received my initial training, the laboratory of Prof. Jamie Schauer in the U. Madison and have spent time in the U. of Helsinki with the group of Prof. Kulmala.

09/2006 - 10/2012	**Ph. D. in Chemical Engineering** – University of Patras, Greece Thesis title: Ambient particle formation and sources in different environments. Advised by Prof. Spyros Pandis.
09/2006 - 11/2009	**M.Sc. in Chemical Engineering** – University of Patras, Greece
09/1999 - 07/2004	**B. Sc. (Diploma) in Chemistry** – School of Natural Sciences, Aristotle University of Thessaloniki, Greece

Professional Experience

I moved in 2012 to Brookhaven National Laboratory, U.S.A. working with Jian Wang (h-index: 56) where I learnt how to build scientific instruments. My next postdoctoral task was in 2014, at the Cyprus Institute, and involved setting up what became the first of the five environmental stations that currently the Cyprus Atmospheric Observatory network consists of. This first station is now a state-of-the-art National (Cyprus) flagship facility and part of EU Research Infrastructures & International Networks (GAW, EMEP, ACTRIS, AERONET)

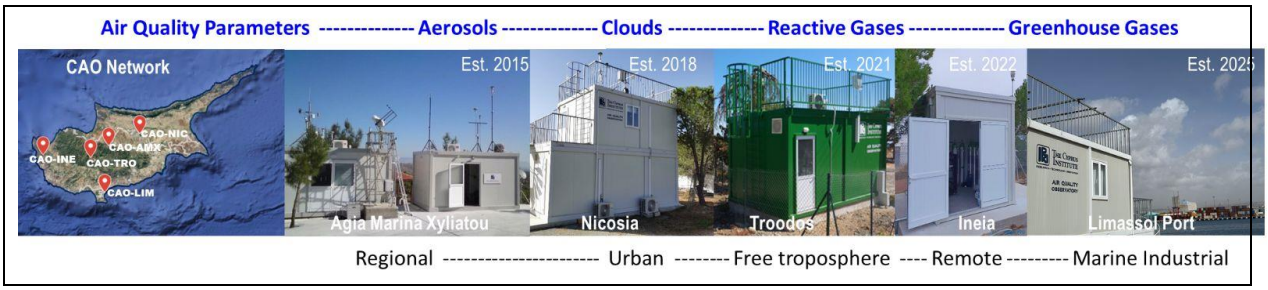
06/2018-Present	**Associate Researcher** - The Cyprus Institute
04/2014-06/2018	**Postdoctoral Fellow** - The Cyprus Institute
11/2012-11/2013	**Research Assistant** - Brookhaven National Laboratory

Cyprus Atmospheric Observatory (CAO) at a glance

Founder & Station Manager of the "Cyprus Atmospheric Observatory" (CAO):

A video of me presenting CAO can be found here:

Currently, the largest Atmospheric Research Facility in the EMME region built around 1) a unique set of scientific instrumentation (>3M€ investment), 2) a multi-site station network (see pictures below) to document various atmospheric sources and processes, and 3) a technical team (5 experts) with unique skills/experience. First internationally-labelled atmospheric supersite in the region to provide high quality long-term observations of Air Pollutants and Greenhouse Gases. National Facility of "ACTRIS". Regional station of the World Meteorological Organization (WMO) / Global Atmospheric Watch (GAW). Component of the NASA AERONET (Aerosol Robotic network) since 2015 and SKYNET since 2020. The Nicosia component is the first regional (EMME) station of TCCON (Total Carbon Column Observing Network) operating since 2019, which is used for extensive validation of NASA/ESA space missions (e.g. OCO2/3, CO2M).



Publication Record

Peer - reviewed Articles articles) in international scientific journals	55
Average Publication Record of the past 10 years (2016-2025)	5.1 articles/year
Peer - reviewed Books / Chapters book chapters	2
Total Number of Heteroreferences (Total number of citations)	1,791 (Google Scholar) 1,297 (Scopus)
h- index	24 (Google Scholar) 22 (Scopus)

Personal Webpage (Cyl)	https://www.cyi.ac.cy/index.php/eewrc/about-the-center/eewrc-our-people/author/236-michael-pikridas.html
ResearchGate	https://www.researchgate.net/profile/Michael-Pikridas?ev=hdr_xprf
Scopus	https://www.scopus.com/authid/detail.uri?authorId=35771409400
Google Scholar	https://scholar.google.com/citations?user=lEKoZCQAAAAJ&hl=el
ORCID iD	https://orcid.org/0000-0002-8131-2369
LinkedIn	https://www.linkedin.com/in/michael-pikridas-6a3b1885/

Full list of publications in Annex I

Top 10 most impactful publications with respect to science

#	Title	Citations	Year
1	Chen, G., F. Canonaco, A. Tobler, W. Aas, A. Alastuey, J. Allan, **M. Pikridas** and 16 co-authors, European aerosol phenomenology - 8: Harmonised source apportionment of organic aerosol using 22 Year-long ACSM/AMS datasets, Environment International, 166, 107325, 2022.	126	2022
2	Schrod, J., D. Weber, J. Drücke, C. Keleshis, **M. Pikridas**, M. Ebert, and 21 co-authors, Ice nucleating particles over the Eastern Mediterranean measured by unmanned aircraft systems, Atmospheric Chemistry and Physics, 17, 4817-4835, 2017.	103	2017
3	Florou, K., D. Papanastasiou, **M. Pikridas**, C. Kaltsonoudis, E. Louvaris, and 9 co-authors, The contribution of wood burning and other pollution sources to wintertime organic aerosol levels in two Greek cities, Atmospheric Chemistry and Physics, 17, 10591-10607, 2017.	103	2016
4	Marinou, E., M. Tesche, A. Nenes, A. Ansmann, J. Schrod, **M. Pikridas**, and 10 co-authors, Retrieval of ice nucleating particle concentrations from lidar observations and comparison with airborne in-situ measurements, Atmospheric Chemistry and Physics, 19, 11315-11342, 2019.	95	2019
5	Mamali, D., E. Marinou, J. Sciare, **M. Pikridas**, P. Kokkalis, M. Kottas, and 15 co-authors, Vertical profiles of aerosol mass concentration derived by unmanned airborne in	73	2018

	situ and remote sensing instruments during dust events, Atmospheric Measurement Techniques, 11, 2897-2910, 2018.		
6	Pikridas, M., I. Riipinen, L. Hildebrandt, E. Kostenidou, H. Manninen, and 11 co-authors, New particle formation at a remote site in the eastern Mediterranean, Journal of Geophysical Research: Atmospheres, 117, D12205, 2012.	63	2012
7	Osipov, S., S. Chowdhury, J. N. Crowley, I. Tadić, F. Drewnick, **M. Pikridas**, and 28 co-authors, Severe atmospheric pollution in the Middle East is attributable to anthropogenic sources, Communications Earth & Environment, 3, 203, 2022.	59	2022
8	Belis, C. A., **M. Pikridas**, F. Lucarelli, E. Petralia, F. Cavalli, G. Calzolai, and 10 co-authors, Source apportionment of fine PM by combining high time resolution organic and inorganic chemical composition datasets, Atmospheric Environment: X, 3, 100046, 2019.	52	2019
9	Wang, J., **M. Pikridas**, S. R. Spielman, T. Pinterich, A fast integrated mobility spectrometer for rapid measurement of sub-micrometer aerosol size distribution, Part I: Design and model evaluation, Journal of Aerosol Science, 108, 44-55, 2017.	38	2017
10	Christodoulou, A., S. Bezantakos, E. Bourtsoukidis, I. Stavroulas, **M. Pikridas**, and 16 co-authors, Submicron aerosol pollution in Greater Cairo (Egypt): A new type of urban haze?, Environment International, 144, 108610, 2020.	6	2024

My recent publications are current, with all appearing within the last two years. The current pace, based on the past 10 years, is 5.1 articles/annum (see Annex II) and is set to continue, with several manuscripts currently under review.

Top 10 most recent publications

#	Title	Year
1	Bhandari, R., C. Sarangi, M. Sebastian, R. K. Hooda, A. P. Hyvärinen, **M. Pikridas**, and 12 co-authors, Identification of New Particle Formation Events Using a You Only Look Once (YOLO) Deep Learning Algorithm, ACS ES&T Air, 2, 7, 1202–1213.	2025
2	Iakovides, M., S. Bhowmick, I. Stavroulas, G. Iakovides, **M. Pikridas**, G. Biskos, and 10 co-authors, Thermal processes and secondary recycling regulate the atmospheric levels of the highly toxic polychlorinated naphthalenes in the urban environment of Eastern Mediterranean, Journal of Hazardous Materials, 470, 138573, 2025.	2025
3	Bimenyimana, E., J. Sciare, K. Oikonomou, M. Iakovides, **M. Pikridas**, and 5 co-authors, Cross-validation of methods for quantifying the contribution of local (urban) and regional sources to PM2.5 pollution: Application in the Eastern Mediterranean (Cyprus), Atmospheric Environment, 343, 120975, 2024.	2025
4	Deot, N., V. P. Kanawade, A. Papetta, R. Baalbaki, **M. Pikridas**, F. Marenco, and 5 co-authors, Effect of planetary boundary layer evolution on new particle formation events over Cyprus, Aerosol Research, 2, 209-243, 2024.	2024
5	Bourtsoukidis, E., E. Germain-Piaulenne, V. Gros, P.-Y. Quéhé, **M. Pikridas**, and 15 co-authors, Attribution of excess methane emissions over marine environments of the Mediterranean and Arabian Peninsula, Journal of Geophysical Research: Atmospheres, 129, e2024JD041621, 2024.	2024
6	Mahfouz, M. M. K., G. Skok, J. Sciare, **M. Pikridas**, M. R. Alfarra, S. Moosakutty, and 5 co-authors, Contribution of black carbon and desert dust to aerosol absorption in the atmosphere of the Eastern Arabian Peninsula, Atmospheric Environment, 324, 120427, 2024.	2024
7	Germain-Piaulenne, E., J.-D. Paris, V. Gros, P.-Y. Quéhé, **M. Pikridas**, and 10 co-authors, Middle East oil and gas methane emissions signature captured at a remote site using light hydrocarbon tracers, Atmospheric Environment: X, 22, 100253, 2024.	2024
8	Christodoulou, A., S. Bezantakos, E. Bourtsoukidis, I. Stavroulas, **M. Pikridas**, and 16 co-authors, Submicron aerosol pollution in Greater Cairo (Egypt): A new type of urban haze?, Environment International, 144, 108610, 2020.	2024

9	Desservettaz, M., **M. Pikridas**, I. Stavroulas, A. Bougiatioti, E. Liakakou, and 10 co-authors, Emission of volatile organic compounds from residential biomass burning and their rapid chemical transformations, Science of The Total Environment, 903, 166592, 2023.	2023
10	Fakhri, N., M. Fadel, F. Öztürk, M. Keleş, M. Iakovides, **M. Pikridas**, C. Abdallah, and 10 co-authors, Comprehensive chemical characterization of PM2.5 in the large East Mediterranean-Middle East city of Beirut, Lebanon, Journal of Environmental Sciences, 133, 118-137, 2023.	2023
Submitted and received favorable reviews		
1	Rousogenous, C., C. Petri, P.-Y. Quéhé, T. Laemmel, **M. Pikridas**, and 20 co-authors, Extension of the Total Carbon Column Observing Network (TCCON) over the Eastern Mediterranean and Middle East: The Nicosia site in Cyprus, EGUsphere, 2025, 1-30, 2025.	2025
2	Bimenyimana, E., J. Sciare, **M. Pikridas**, K. Oikonomou, M. Iakovides, and 10 co-authors, Persistent high PM pollution in the Eastern Mediterranean and Middle East: Insights from long-term observations and source apportionment in Cyprus, EGUsphere, 2025, 1-23, 2025.	2025
3	Papaconstantinou, R., S. Bezantakos, **M. Pikridas**, M. Parolin, M. Stylianou, and 5 co-authors, Assessing Spatial and Temporal Urban Air Quality Variabilities with the Vaisala AQT530 Monitor, https://doi.org/10.21203/rs.3.rs-5349649/v1	2025

Participated Projects

I have a proven track record of project leadership, securing over €1 million in research funding. My experience spans major consortia in the USA (e.g., BBOP) and Europe (EUCAARI, MEGAPOLI, PEGASOS, ATMOPACS) before joining CyI. Currently I am focused on leading the CAO at CyI. My project portfolio—detailed in Annex I—encompasses three key areas: field campaigns and long-term measurements, consulting services, and educational provision.

List of secured funds				
Project Duration	**Funding Source**	**ACRONYM**	**Funds in €**	**Notes**
2025 - 2027	**Cyprus (RIF)**	**ARIADNE**	**200,000**	Project: Investigating role of absorbing aerosol in climate change
2024 - 2027	**EU** (H.E.)	DiGiNN Cyprus	12,000	Service: Providing digital transformation services to SME and public bodies
2023 - 2026	**World Bank**	**SIdE EG-EEAA-346366-CS-CQS**	**236,000**	Service: Enhancing the capability of Cairo University Chemistry Lab to analyze samples dedicated for source apportionment
2023 - 2026	**World Bank**	**SCQuaM EG-EEAA-346347-CS-QCBS**	**251,391**	Service: Establish 12 stations with BC and GHG capabilities in the Greater Cairo Area
2023 - 2027	**EU** (H.E.)	Net4Cities	250,000	Project: Long term measurements of regular and emerging pollutants in transport prone sites (airport, ports, traffic, train)
2020 - 2021	**Cyprus (RIF)**	**CURE-SARS**	**25,000**	Project: Method development and network to identify SARSCoV-2 in ambient air

2019 - 2021	**Cyprus (RIF)**	**CURE-3AB**	**45,000**	Project: Collaboration with Univ. Sao Paulo and Max Planck Institute of Chemistry
			Total: €1,062,000	

*Projects coordinated by me are highlighted bold

Teaching Experience

Starting as a teaching assistant during my M.Sc. years, I evolved into my current role as a lecturer for CyI's doctoral program teaching aerosol measurement techniques. Building on this foundation, I became a certified trainer in 2024. I now apply my expertise to train public officials from the Ministries of Environment and Labour - who are responsible for the air quality network of Cyprus - equipping them with advanced statistical methods for air quality analysis, including Positive Matrix Factorization (PMF), geolocation of pollution sources, and insights on measurement techniques.

Year	Course Description
10/2025 12/2025	Teaching course 2x20h on Statistical Methods for Air Quality Specialists
2018-Today	Lecturer at CyI doctoral program
2017-Today	Lecturer at the annual Hellenic Association Aerosol Research workshop
09/2025	Factor analysis course within the framework of Edu4Climate
04/2025	Lecture on aerosol radiative properties within the framework of PM-NCM
03/2025	Aerosol measurement techniques within thE framework of SIDE
03/2025	Statistical methods for geolocating pollution sources within the framework of SCQuaM.
10/2006 - 2/2008	Teaching Assistant at U. Patras • Ordinary Differential Equations (2 semesters) • Laboratory of Analytical Chemistry

Patents

European Patent Office: Drinovec, Luka, Griša Močnik, Iasonas Stavroulas, Spiros Bezantakos, Michael Pikridas, Florin Unga, and Jean Sciare. "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: SI3783336 (T1), 2024-02-29."

Reviewer

I am a regular reviewer for several leading environmental science journals, including Aerosol Research (Copernicus; IF: 2.0), Atmospheric Chemistry and Physics (Copernicus; IF: 6.3), Atmospheric Environment (Elsevier; IF: 5.8), Environmental Pollution (Elsevier; IF: 8.9), and Science of the Total Environment (Elsevier; IF: 9.8). I also sporadically review for other publications.

Consulting Services

In am in close collaboration with the Ministry of Labour Inspection, Air Quality Deprtment, which oversees air quality in Cyprus. Major part of this work, which is largely gratis, I have been drafting since 2017 part of **Cyprus' annual report to European Commission** regarding air quality while providing consulting services on mitigating urban air pollution.

As part of the outreach strategy of the team I belong to, I provide expert environmental consulting to governmental bodies in North Africa and the Middle East. My work includes designing environmental monitoring networks, analyzing local data to draft mitigation plans, and advising on specialized equipment procurement. These services are delivered either directly or through international partners, including Ricardo and Kent.

List of services provided in the past 3 years		
ACRONYM	**Beneficiary**	**Description**
SIdE EG-EEAA-346366-CS-CQS	Ministry of Environment Egyptian Environmental Affairs Agency (EEAA)	Train Cairo University staff on operating instrumentation, sample curation, and source apportionment analysis on their results.
SCQuaM EG-EEAA-346347-CS-QCBS	Ministry of Environment Egyptian Environmental Affairs Agency (EEAA)	Improve the capabilities of existing air quality network by upgrading 12 stations with BC and GHG capabilities in the Greater Cairo Area, enforcing QA/QC practices, upgrading the data flow management.
AIRQFORCE EG-EEAA-423524-CS-CDS	Ministry of Environment Egyptian Environmental Affairs Agency (EEAA)	Deliver an air pollution forecasting system tailored to Egypt that will be operated locally. My role is to provide a supplementary nowcasting module tailored to tackle the "black cloud" events.
PM-NCM	National Center for Meteorology (NCM)	Analyze integrated samples from multiple location in S. Arabia and draft a mitigation plan based on the results. Training on source apportionment and measurement techniques were also included.
DiGiNN	Ecotech (Jost Lavric)	Feedback on newly developed Instruments from the user perspective.
AREAD	Environmental Agency Abu Dhabi	Led the establishment and operation of a portable air quality station on the EAD's JAYWUN vessel. This initiative encompassed the full project lifecycle, including equipment procurement, station installation, and performing scientific measurement campaigns in a maritime environment. This project was materialized without funding.

*Projects coordinated by me are highlighted bold

Annex I: Participated projects

The following lists detail projects where I have served as a researcher or coordinator (the latter highlighted in blue). I have also categorized them based on the level of engagement with the Cyprus Atmospheric Observatory (CAO) facilities, to provide context for my involvement. The EMME-CARE, a 15 MEuro project, is not included due to its magnitude. My achievements of the past 7 years are largely founded on this project, for which numerous colleagues, apart from myself, placed significant effort.

1. Ongoing projects

The below projects are fully exploiting facilities of the CAO network

- **Edu4Climate (HORIZON):** €635,000.00 (€1,999,585.00), 2022 - 2026
- **Net4Cities (HORIZON):** €251,718.75 (€5,368,946.25), 2014 -2027
- **ENVRINNOV (HORIZON):** €544,866.25 (€2,499,082.50), 2024 - 2027
- **ARIADNE (RIF-EXCELLENCE):** €179,596.00 (€199,596.00), 2025 - 2027

Yielding **€1,611,181.00** in total.

2. Finished projects

The below projects fully exploited facilities of the CAO network

- **DNAAP (Aerosol d.o.o.):** €85,000.00 (N/A), 2018 - 2020
- **ACTRIS 2 (H2020):** €191,089.00 (€12,979,000.00), 2015 - 2019
- **ACTRIS PPP (H2020):** €55,625.00 (€4,000,000.00), 2017 – 2019
- **CURE-SARS (CY-RIF):** €24,948.00 (€24,948.00), 2020 - 2021
- **AQ-SERVE (RIF - Infrastructure):** €468,000.00 (€999,994.00), 2018 - 2022
- **MAGNUM (RIF-Excellence):** €248,700.00 (€248,700.00), 2019 - 2022
- **CURE-AAAB (RIF-International-Other):** €79,600.00 (€79,600.00), 2019 - 2022
- **ACTRIS IMP (H2020):** €111,250.00 (€4,806,247.00), 2020 - 2023
- **ACCEPT (NORWAY-GRANTS):** €652,898.30 (€850,000.00), 2020 - 2023
- **CoCO2 (H2020):** €100,000.00 (€9,000,000.00), 2021 - 2023
- **ATMO-ACCESS (HORIZON):** €305,500.00 (€14,999,947.89), 2021 - 2025

Yielding **€2,232,221.30** in total.

3. Affiliated Projects

The below ONGOING projects have partially utilized one or more CAO facilities for their optimal execution or my role was advisory

- **CLEANCLOUD (HORIZON):** €400,904.10 (€7,999,003.35), 2024 - 2027
- **IRISCC (HORIZON):** €39,950.00 (€14,480,149.00), 2024 - 2028
- **HVWAY (HORIZON):** €243,750.00 (€3,949,193.75), 2024 - 2028
- **DUST-DN (HORIZON):** €626,880.00 (€3,586,185.60), 2024 - 2028
- **IM4CA (HORIZON):** €104,608.00 (€14,738,820.00), 2025 - 2028
- **BAE (ERC):** €2,248,644.00 (€2,248,644.00), 2023 - 2028

Yielding **€3,664,736.10**in total.

4. Projects and field campaigns during my Ph.D

- **EUCAARI (HORIZON**): 2007 - 2010
- **MEGAPOLI (HORIZON):** 2008 - 2011
- **PEGASOS (HORIZON):** 2011 - 2015
- **ATMOPACS (ERC):** 2011 - 2015
- **BBOP (USA-NSF):** 2012 – 2014

Annex II: Full Publication List

My publication record demonstrates a clear trajectory of growing research productivity over the past decade. Following an initial period of establishment (2010-2014), output increased substantially, with the 2016-2025 period showing consistently strong performance. The dashed line representing the 10-year average of 5.1 publications annually serves as a benchmark, highlighting particularly productive years in 2022 and 2023. This sustained output reflects an expanding research program and growing impact in the field.

55. Bhandari, R., Sarangi, C., Sebastian, M., Hooda, R. K., Hyvärinen, A.-P., Asmi, E., Vakkari, V., Pandithurai, G., Singh, S., Soni, V. K., Nieminen, T., van Zyl, P. G., Jaars, K., Laakso, L. K., Beddows, D. C. S., Harrison, R. M., Beukes, J. P., Kalivitis, N., Mihalopoulos, N., Salma, I., Vörösmarty, M., Young, L.-H., Watson, Z., Lee, S.-H., Pikridas, M., Sciare, J., Jokinen, T., and Kanawade, V. P.: Identification of New Particle Formation Events Using a You Only Look Once (YOLO) Deep Learning Algorithm, ACS EST Air, 2, 1202–1213, https://doi.org/10.1021/acsestair.5c00021, 2025.
54. Bimenyimana, E., Sciare, J., Oikonomou, K., Iakovides, M., Pikridas, M., Vasiliadou, E., Savvides, C., and Mihalopoulos, N.: Cross-validation of methods for quantifying the contribution of local (urban) and regional sources to PM2.5 pollution: Application in the Eastern Mediterranean (Cyprus), Atmospheric Environment, 343, 120975, https://doi.org/10.1016/j.atmosenv.2024.120975, 2025.
53. Bimenyimana, E., Sciare, J., Pikridas, M., Oikonomou, K., Iakovides, M., Vasiliadou, E., Savvides, C., and Mihalopoulos, N.: Persistent high PM pollution in the Eastern Mediterranean and Middle East: Insights from long-term observations and source apportionment in Cyprus, EGUsphere, 1–23, https://doi.org/10.5194/egusphere-2025-3234, 2025.
52. Deot, N., Kanawade, V. P., Papetta, A., Baalbaki, R., Pikridas, M., Marenco, F., Kulmala, M., Sciare, J., Lehtipalo, K., and Jokinen, T.: Effect of planetary boundary layer evolution on new particle formation events over Cyprus, Aerosol Research, 3, 139–154, https://doi.org/10.5194/ar-3-139-2025, 2025.
51. Iakovides, M., Bhowmick, S., Stavroulas, I., Iakovides, G., Pikridas, M., Biskos, G., Mihalopoulos, N., and Sciare, J.: Thermal processes and secondary recycling regulate the atmospheric levels of the highly toxic polychlorinated naphthalenes in the urban environment of Eastern Mediterranean and Middle East, Journal of Hazardous Materials, 494, 138573, https://doi.org/10.1016/j.jhazmat.2025.138573, 2025.
50. Rousogenous, C., Petri, C., Quehe, P.-Y., Laemmel, T., Laughner, J. L., Desservettaz, M., Pikridas, M., Ramonet, M., Bourtsoukidis, E., Buschmann, M., Notholt, J., Warneke, T., Paris, J.-D., Sciare, J., and Vrekoussis, M.: Extension of the Total Carbon Column Observing Network (TCCON) over the Eastern Mediterranean and Middle East: The Nicosia site in Cyprus, EGUsphere, 1–30, https://doi.org/10.5194/egusphere-2025-1442, 2025.
49. Schneider, M. Y., Jiang, J., Chen, Y., Aas, W., Atabakhsh, S., Aurela, M., Belis, C., Bougiatioti, A., Bressi, M., Canonaco, F., Chazeau, B., Chebaicheb, H., Ehn, M., Eleftheriadis, K., Favez, O., Flentje, H., Font,

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