

Mihalopoulos Nikolaos

Director of Institute for Environmental Research
and Sustainable Development (IERSD)/NOA and
Professor of Environmental Chemistry,
Department of Chemistry
University of Crete

CURRICULUM VITAE

APRIL 2018

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CV outline

Education:	<p>Ph.D. Chemistry of Air Pollution and Environmental Physics, University of Paris 7, France, 4/1989</p> <p>D.E.A in Chemistry of Pollution, University of Paris 7, France, 9/1985</p> <p>B.S. of Chemistry, Department of Chemistry, University of Athens, Greece, 4/1984</p>
Employment after the Ph.D. thesis:	<p>2013-today: Director Institute for Environmental Research and Sustainable Development (IERSD), National Observatory of Athens (NOA) and vice-President of NOA.</p> <p>2003–today: Professor of Environmental Chemistry, Department of Chemistry University of Crete, Heraklion, Greece</p> <p>2011–today: Visiting Pofessor Cyprus Institute, Cyprus</p> <p>12/2010–3/2011: Visiting Professor, University of Sapporo, Japan</p> <p>1999–2003: Associate Professor of Environmental Chemistry, Department of Chemistry, University of Crete, Heraklion, Greece</p> <p>3/2002–7/2002: Visiting Professor, Max-Planck Institute of Chemistry, Mainz, Germany.</p> <p>1993–1999: Assistant Professor of Environmental Chemistry, Department of Chemistry, University of Crete, Heraklion, Greece</p> <p>11/1991–8/1993: Military Service Laboratory of Spectroscopic Analysis of Fuels Air Force of Greece</p> <p>2/1991–11/1991: Research Scientist, Centre des Faibles Radioactivités, CNRS Gif-sur Yvette, France.</p> <p>6/1989–1/1991: Research Scientist, Physicalische Chemie, Bergische Universität, Wuppertal, Germany</p> <p>4/1989–6/1989: Research Scientist, Centre des Faibles Radioactivités, CNRS, Gif-sur-Yvette, France</p>
Research Interest and Experience:	<ul style="list-style-type: none"> • Atmospheric chemistry and Physics with emphasis on the oxidation capacity of the atmosphere (both remote and polluted), physicochemical aerosol properties and their climatic role. • Global biogeochemical cycles of carbon, nitrogen, phosphorus and sulfur and their role on climate. • Air sea- exchange • Chemical kinetics • Environmental Analytical chemistry • Observations of key constituents of the atmosphere (greenhouse gases, aerosols).

	<ul style="list-style-type: none"> • Trend analysis of long-term observations
Administrative Experience:	<p>2013-today: Director Institute for Environmental Research and Sustainable Development (IERSD), National Observatory of Athens (NOA).</p> <p>2013-today: Vice-President of the National Observatory of Athens (NOA).</p> <p>11-12/2016: Acting President of the National Observatory of Athens (NOA).</p> <p>9/2010–12/2012: Vice-president of the department of Chemistry and president of the postgraduate studies committee of the department of Chemistry of the University of Crete.</p> <p>9/2004–9/2006: President of the department of Chemistry</p> <p>9/2004–6/2006: Member of the Senate of the University of Crete</p> <p>6/2003–9/2004: Vice-president of the department of Chemistry and president of the postgraduate studies committee of the Department of Chemistry of the University of Crete.</p> <p>2002–2009: Member of the research committee (ELKE, 7 members) of the University of Crete.</p> <p>2/1996–6/1997: Member of the Senate of the University of Crete</p> <p>9/1994–9/1996: Member of the undergraduate studies committee of the Department of Chemistry of the University of Crete.</p>
Teaching experience:	<p>Since 1994 and up to date, Undergraduate and post graduate courses at the University of Crete and other Greek Universities and foreign Research Centers</p> <p>Advisor of 12 Post-docs, and supervision of 15 PhD, 36 MSc students and more than 60 undergraduate students for diploma thesis.</p> <p>Currently I am supervising 5 PhD and 2 MSc students. In addition I have acted as advisor for more than 30 PhD thesis and MSc degree students.</p>
Research experience:	<p>Referee in 28 international scientific journals</p> <p>Participation in 45 Competitive Research Programs as PI or co-PI funded by EU (23) and National sources (22) with total amount for my team >7 M€.</p> <p>My milestone is the co-ordination of PANACEA, one of the 25 projects of the Greek Road Map for National Infrastructures, where for the first time all Greek Universities and Institutes working on atmospheric chemistry, physics and climate change will collaborate under a common umbrella.</p>
Publications:	<p>260 publications in peer reviewed journals (1 Nature and 1 Science) and >100 in conference proceedings.</p> <p>> 10500 citations (>9000 third party citations)</p> <p>H-index=54</p> <p>2 books and 1 monograph. (Sources: ISI/Scopus, April 2018)</p>
Participation in international conferences and	<p>Invited talks: > 40</p> <p>Participation at >200 international scientific conferences</p> <p>Contributed talks/posters: > 600 (500 with abstracts and 100 with</p>

workshops:	proceedings).
International recognition:	<ul style="list-style-type: none"> • Invited speaker at more than 40 international scientific conferences, at 4 of which as keynote speaker. The last 10 years, I am giving about 2 invited talks per year to Universities and Research Centers. • Member of the Editorial Board: Atmospheric Chemistry and Physics (ACP) http://www.atmos-chem-phys.org. (impact factor of 5.52). • Guest editor in 6 special issues of ACP: (Minos campaign, IGAC conference, Solar Eclipse, Pegasos, dust and its role on climate, Charmex) • Guest editor in a special issue of Journal of Marine Sciences (JMS, topic: Regional comparisons). • Regular referee of scientific articles (more than 200) in most of the international scientific journals of my discipline, • Reviewer for Proposals: 1) European Union (E.U.) 2) German Federal Ministry for Education and Research (BMBF), 3) General Secretary of Research and Technology (GSRT), 4) ANR-CNRS (France), 5) NSF (US), 6) NERC (UK), 7) ERC (EU) • Evaluator/ Examination of PhD thesis dissertations at non-Greek Universities: <ul style="list-style-type: none"> 1) University Paris VI, Pierre & Marie Curie (France; 3 times), 2) University Joseph Fourier, Grenoble (France; 2 times), 3) University Paris VII, Denis Diderot, (France, 4 times), 4) University of Helsinki, 5) University of Hamburg, 6) University of Lille • Evaluator/ Examination of Habilitations: <ul style="list-style-type: none"> 1) University of Bremen (Germany), 2) University Paris VII, Denis Diderot (France), 3) Mines de Douai (France) • Member and Chairman of the evaluation panel of NATO in the frame of the action ‘Science for Peace and Security, Environmental Security’ • Convener of more than 15 International Conferences (as member of the local organizing or scientific Committee). • President of the Scientific Organizing Committee of the International Conference on Meteorology, Climatology and Atmospheric Physics (COMECAP), Heraklion 2014. • Organizer of more than 10 International meetings (with up to 150 participants) and two International summer Schools (HAAR summer schools in Costa Navarino), in 2017 and 2018) • Co-organizer of the International Conference on climate Change in the frame of the EU project DARECLIMED Crete in May 2013 (see list of research projects). • Co-convener of a session on aerosols, gases and their climate impact in the Mediterranean at the European Geophysical Union (EGU) General Assembly in 2013, 2014, 2015, 2016, 2017 and 2018. • President of the Scientific Organizing Committee of the next International Aerosol Conference (IAC) to take place in Athens, in September 2022 (more than 1300 participants are expected). • National Representative at JRC (Joint Research Center) • Member of the National council for adaptation to climate change

- **Member (deputy)** of the National Scientific Council for Energy and Environment (TEΣ)

Prizes/Grants

- Foundation Onassis (Grant for PhD thesis)
- Foundation of Greek state scholarships (Grant for PhD thesis)
- EU grant (Marie-Curie) for post doctorate studies in Germany.
- Haagen-Smit Prize 2014 for highly cited work
- Ecopolis/Ecocity prizes: 2014 for IERSD work (as director), 2016 for my scientific achievements.

Member of associations:

- Secretaire of IARA (International AeRosol Association).
- Association of Greek Chemists
- Vice-president of HAAR, Hellenic Association of Aerosol Research, member of European Association of Aerosol Research which organises European Aerosol Conference (on a yearly basis) and International Aerosol Conference –every 4 years.
- European Geophysical Society

Personal details, education and professional experience

Name: Nikolaos MIHALOPOULOS

Born: April 1, 1961, Piraeus, Greece

Address: Institute for Environmental Research and Sustainable Development (IERSD), National Observatory of Athens (NOA), I. Metaxa & V. Pavlou str., Penteli, 15236, Athens.

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Education: Ph.D. Atmospheric Chemistry
University of Paris 7, France, April 1989

D.E.A Atmospheric Chemistry
University of Paris 7, France, September 1985

B.S. of Chemistry,
Department of Chemistry, University of Athens, Greece, April 1984

Employment after the Ph.D. thesis:

2013-today: Director Institute for Environmental Research and Sustainable Development (IERSD), National Observatory of Athens (NOA), and vice-President of NOA.

2003-today Professor of Environmental Chemistry,
Department of Chemistry University of Crete, Heraklion

1999 – 2003. Associate Professor of Environmental Chemistry,
Department of Chemistry University of Crete, Heraklion

1993-1999 Assistant Professor of Environmental Chemistry,
Department of Chemistry University of Crete, Heraklion

11/1991-8/1993 Military Service Laboratory of Spectroscopic Analysis of Fuels Air Force of Greece

2/1991 - 11/1991 Research Scientist
Centre des Faibles Radioactivités, CNRS Gif-sur-Yvette, France.

- 6/1989-1/1991 Research Scientist
Physicalische Chemie, Bergische Universität, Wuppertal,
Germany
- 4/1989-6/1989 Research Scientist
Centre des Faibles Radioactivités, CNRS, Gif-sur-Yvette,
France

Long-term visits in foreign Universities and Research centers

- 2011–today: Visiting Professor Cyprus Institute, Cyprus
12/2010-3/2011 Visiting Professor, University of Sapporo, Japan.
3/2002-7/2002 Visiting Professor, Max-Planck Institute of Chemistry, Mainz,
Germany.
- Short visits (up to 1 month): Several visits at Bergische Universität, Wuppertal, 1995, 1996,
2001 (Germany) and Laboratoire des Sciences du Climat et de
l' Environnement, 1994, 1997, 1998, France).

Prizes/Grants:

- Foundation Onassis (Grant for PhD thesis)
- Foundation of Greek state scholarships (Grant for PhD thesis)
- EU grant (Marie-Curie) for post doctorate studies in Germany.
- Haagen-Smit Prize 2014 for highly cited work
- Ecopolis/Ecocity prizes: 2014 for IERSD work (as director), 2016 for my scientific achievements.

Member of associations:

- Secetaire of IARA (International AeRosol Association).
- Association of Greek Chemists
- Vice-president of HAAR, Hellenic Association of Aerosol Research, member of European Association of Aerosol Research which organises European Aerosol Conference (on a yearly basis) and International Aerosol Conference –every 4 years.
- European Geophysical Society

Foreign Languages:

Fluent in English and French. Knowledge of German

B. Research Experience

Research activities

- Atmospheric chemistry and Physics with emphasis on the oxidation capacity of the atmosphere (both remote and polluted), physicochemical aerosol properties and their climatic role.
- Global biogeochemical cycles of carbon, nitrogen, phosphorus and sulfur and their role on climate
- Air sea- exchange
- Chemical kinetics
- Environmental Analytical chemistry
- Observations of key constituents of the atmosphere (greenhouse gases, aerosols).
- Trend analysis of long-term observations
- Responsible scientist of Finokalia station

Finokalia is a unique remote sampling station on Crete Island, and is considered as a reference site for the E. Mediterranean atmosphere disposing the longest reliable data record of environmental parameters in the area. Finokalia is (or was) part of several networks (Accent network of excellence, CREATE, EUSAAR, ACTRIS), and an official EMEP site of Greece. On an annual basis Finokalia hosts numerous international campaigns under the co-ordination of Prof. N. Nihalopoulos.

Publications

Since 1987 I have published **260 articles** in peer reviewed journals (**1 Nature, 1 Science, 1 PNAS**) receiving more than **10500 citations (9000 excluding self-citations; H = 54; source Scopus April 2018)**. In about 80 among the 260, I am either the first or corresponding author and in additional 25 the first or corresponding author is either my doctorate or post doctorate coworker. My policy in the publications with my team is to put my name at the end of the author's list.

The last 10 years (since 2007) I have published 140 articles in peer reviewed journals (1 PNAS). In more than 35 I am either the first or corresponding author and in additional 15 the first or corresponding author is my doctorate or post doctorate coworker.

In addition:

- More than 100 conference proceedings
- More than 600 international conference abstracts
- 1 Book, 3 chapters in Books and 1 monograph
- More than 500 international conference abstracts
- More than 50 articles and interviews in local and national journals, TV channels and radio.
- H-index 54, more than 10500 citations (Scopus). Third party citations > 9000
- Since 2002-today, 12-22 articles/year and 800-1000 citations/year (about 40 citations/publication).
- **Book:** Jakubowski N, Mihalopoulos N., Mann S., Lehmann W., Speciation of Sulfur, Handbook of Elemental Speciation II, pp 378-408, Volume Editors: R. Cornelis et al., .Willey eds, 2004.

Participation in conference and workshops

- >40 invited talks and more than 600 contributions in international conferences (>500 with abstracts and >100 with conference proceedings).

Participation in Competitive Research Programs as PI or co-PI:

Since the beginning of my carrier (1993) I participated in 45 Competitive Research Programs as PI or co-PI with total amount for my team >7 M€.

My milestone is the co-ordination of PANACEA, one of the 25 projects of the Greek Road Map for National Infrastructures, where for the first time all Greek Universities and Institutes working on atmospheric chemistry and physics will collaborate under a common umbrella.

1. "Platon" Bilateral Scientific Collaboration between France and Greece; **PI**, 1994- 1996.
2. Bilateral collaboration between Greece and Germany; **PI**, 1994- 1996.
3. "Marathon" (Marine Atmosphere Oxidation Capacity Experiment), **PI**, EU, Environment (1996-1998): 95 KECU.
4. "Aerobic" (AEROSol formation from Biogenic Carbon), EU, Environment (1996-1998): 100 KECU.
5. "Meduse" (MEDITerranean DUSt Study Experiment), EU, Environment (1996-1998): 110 KECU.
6. "Biogest" (Biogas Emissions from Estuaries) EU, MAST (1996-1999): **PI**, 20 KECU.
7. "ESCAPE" (Entangled Sulfur and carbon cycles in Phaeocystis dominated Ecosystems) EU, MAST (1996-1999): **PI**, 18 KECU.
8. "Mater" (Mass transfer and ecosystem response) EU, MAST (1997-1999): **PI**, 30KECU.
9. ETERPS (Ministry of Environment) Characterization of the Chemical Composition of the Atmosphere in the East Mediterranean Area (1997-1999): 88 KECU.
10. "DOMAC" (Dimethylsulfide DMS: Oxidation Mechanism in Relation to Aerosols and Climate) Marine Atmosphere Oxidation Capacity Experiment), EU, Environment (1998-2000): **PI**, 75 KECU.
11. Training Mobility Research program EU March 1998-March 2000: For J. Sciare to perform his PhD Thesis in Greece: **PI**, 67 KECU.
12. "Environmental Science and Engineering-Post Graduate Studies Programme", Associate director, PI. E. Stephanou, ca. 400 K€, Ministry of Education and European Commission, 1998-2003.
13. "El-CID" (Evaluation of the Climatic Role of Dimethylsulfide DMS), EU, Environment (1999-2003): **PI**, 109 KECU.
14. "Sub-Aero" (Sub-grid Scale Investigations of Factors Determining the Occurrence of Ozone and Fine Particles), (2000-2002): **PI**, 20 K€.
15. Emission of Nitrogen Compounds (NH_4^+ , NO_3^- , N_2O and NO_x) from Waste water treatment stations, GSRT, (2002-2005), **PI**, 59K€.
16. "ADIOS" (Atmospheric Deposition and Impact of pollutants, key elements and nutrients on the Open Mediterranean Sea), EU, Environment (1999-2003): **PI**, 119 K€.
17. "Create" (Creating an aerosol database for Europe), EU, Environment (2002-2004): **PI**, 78 K€.
18. Oxidation Capacity of the Eastern Mediterranean Atmosphere, GSRT, (2002-2005), **PI**, 89K€.
19. Aerosols in various Indoor locations in Greece, GSRT, (2003-2006), **PI**, 59 K€.

20. Evaluation of the Climatic Impact of the Tropospheric Aerosols in the Mediterranean Area. (ECITAMA)-MEIF-CT-2005-009578, EU (2005-2007), **PI**, 140K€.
21. Organics over the Ocean Modifying Particles in both Hemispheres (OOMPH), EU (2005-2008), **PI**, 131K€.
22. European Supersites for Atmospheric Aerosol Research EUSAAR - Co 026140, EU (2006-2011), **PI**, 110K€.
23. SESAME: Southern European Seas, Assessing and Modelling Ecosystem Changes - Co 036949-2 (EU 2006-2011), **PI**, 65K€.
24. CIRCE - 036961 (integrated project), EU (2007-2011), **PI**, 150K€.
25. Atmospheric deposition of N and P and their role on seawater productivity (Iraklitos I, for PhD Thesis of Z. Markaki; 2002-2007), **PI**, 36K€.
26. Characterization of physical and chemical parameters controlling climatic role of aerosols in the Eastern Mediterranean atmosphere, Ministry of Education, 2004-2007, **PI**, 80 K€.
27. Organic substances in the atmosphere, GSRT (2005-2009); **PI**, 106K€.
28. Climatic role of aerosols above eastern Mediterranean. **PI**, 12 K€ (Greek-Turkish collaborative projects; 2007-2008).
29. Understanding the climatic role of aerosols in the Mediterranean by synergistic use of satellites and ground based stations, **PI**, 12 K€ (Greek-French collaborative projects; 2004-2006).
30. Chemical composition of aerosol above Greek and Romanian Cities. **PI**, 12 K€ (Greek-Romanian collaborative projects; 2006-2008).
31. Co- Investigator of the ECPL/UoC Contribution to the European financed project CITYZEN (megaCITY - Zoom for the Environment) (1/9/2008-31/8/2011) **Co-PI** 200 K€)
32. Role of Megacities in air quality of the Eastern Mediterranean, (Iraklitos II, for PhD Thesis of P. Zarnpas; 2010-2013), **PI**, 45K€.
33. Relation between chemical composition, optical and climatic parameters above Athens, (Iraklitos II, for PhD Thesis of E. Paraskevopoulou; 2010-2013), **PI**, 45K€.
34. Particulates Monitoring, Modeling and Management over Cyprus, PM3, EU-Life project (1/1/2011-31/12/2013), **PI**, 60K€.
35. DARECLIMED, Data Repositories and Computational Infrastructure for Environmental and Climate Studies in the Eastern Mediterranean, FP7-INFRASTRUCTURES-2010, 1/2/2011-31/1/2013, **PI**, 70,5K€.
36. ACTRIS, Aerosols, Clouds, and Trace gases Research Infrastructure Network ", FP7-INFRASTRUCTURES-2010, 1/4/2011-31/3/2015, **PI**, 329 K€.
37. PERSEUS, Policy-oriented marine Environmental Research for the Southern European Seas, FP7-Ocean, **PI**, 250 K€.
38. SO_PHY_PRO_CLIM_GR, Sources and physicochemical properties of fine and ultrafine aerosol particles that affect the regional climate of Greece, THALIS proposal, **EY**, 170K€.
39. ACTRIS 2, Aerosols, Clouds, and Trace gases Research Infrastructure Network ", FP7-INFRASTRUCTURES-2010, 1/5/2015-30/4/2018, **EY**, 550 K€.
40. "THESPIA-Foundation of synergistic and integrated methodologies and monitoring tools, management and forecasting of environmental Parameters and pressures", 2013-2015, **EY**, 1060 K€ (Institutional program).
41. SIEMENS: Study of factors affecting the field of Solar Radiation in Greece - Demonstration and implementation of short and medium-term forecast of Solar Energy, **EY**, 150 K€.(Institutional program).
42. IKY, Excellence Siemens, Aerosol pH in Athens: factors that play a role, seasonal and interannual variability and impact on the environment, 2015-2017, **EY**, 50 K€.

43. ACTRIS PPP, Aerosols, Clouds, and Trace gases, Preparatory Phase project, INFRADEV-02-2016, 2017-2019, **EY**, 160 K€.
44. THESPIA-2 Foundation of synergistic and integrated methodologies and monitoring tools, management and forecasting of environmental Parameters and pressures”, 2013-2015, **PI**, 760 K€ (Institutional program).
45. PANACEA. One of the 25 projects of the Greek Road Map for National Infrastructures, 2018-2021, **PI**, 4000 K€ (under negotiation with GSRT)

Other projects and grants

- Exchanges of scientists between National Greek Research Institute and the CNRS 1994-1997
- Program of support of young researchers at the University of Crete (ELKE; 1994 and 1996).
- DAAD (German State) grant for 3 months to perform research in a German laboratory (July-September 1997).
- “PAUR II” (Photochemical Activity and solar Ultraviolet Radiation), EU, Environment (1998-2000): 8 KECU.

C. Administrative/ Organizational/ Coordinating experience

- 2013-today: Director Institute for Environmental Research and Sustainable Development (IERSD), National Observatory of Athens (NOA) and Vice-President of the National Observatory of Athens (NOA).
- 11-12/2016: Acting President of the National Observatory of Athens (NOA).
My achievements during my first term at IERSD are summarized at the following three graphs (figure 1, 2, 3) depicting the year to year variability in publications, citations and funding during my term compared to previous years. Despite the financial crisis and the decrease in personnel, IERSD presents an increase in publications and citations (figures 1 and 2) during the 2014-2017 period compared to 2008-2013 by 50% and 270% respectively. Similarly an increase in funding during the last 3 years (2013-2016) compared to (2008-2012 period) by more than 60% can be seen (figure 3). Note that 2017 was the best year for IERSD in terms of funding for the last 10 years and perspectives for 2018 are even better.
More details about the 4 first years of my term can be found at the document presented during my evaluation by the personnel and resulted to a score of 3,7/4 (average) and 4/5(median).
- 9/2010-12/2012: Vice-president of the Department of Chemistry and President of the post graduate studies committee of the Department of Chemistry of the University of Crete.
- 2009-2010: Member of the Undergraduate studies of the Department of Chemistry of the University of Crete.
- **9/2004-9/2006: President of the Department of Chemistry, University of Crete:** During my term as President of the Chemistry Department, the construction of the new building of the Department was completed and the scientific infrastructure and all activities of the Department moved to the new location, at the University Campus of Voutes. When my term as President started, the new building was at a starting stage and its construction partly frozen. In coordination with the Rector of the University and relevant services, 2M€ were allocated at the University and were dedicated to the completion of the construction works of the Chemistry Department. An additional 1.5M€ enabled the purchase of new, complementary to the existing, infrastructure to appropriately furnish and equip the building, for all educational and research activities (laboratory benches, chemical exhaust evacuation systems etc) and the transport of the entire pre-existing research infrastructure from the old building to the new one. The Chemistry Department was fully operational in the new building at Voutes University Campus, on January 2006. Early 2006 the first oath-taking of the graduating students of the Department took place in the pretty new large amphitheater of the new building, putting the finishing touch to a project and realizing a vision that started a decade ago.
- 6/2003-9/2004: Vice-President of the Department of Chemistry, University of Crete and President of the Committee for postgraduate studies of the Department of Chemistry, University of Crete.
- **2002-2009: Member of the Research Account of the University of Crete (ELKE, 7-members administrative Committee).** The 7 member Committee manages the

scientific budget of the University and draws its research strategy. During this period ELKE developed from a deficit of 500K€ to a benefit of 5000K€.

- 2/1996-6/1997 and 9/2004-6/2006: Member of the Senate of the University of Crete.
- 9/1994-9/1996: Member of the Undergraduate studies of the Department of Chemistry of the University of Crete.
- Since 1998: Advisor Professor for undergraduate students of the Chemistry Department of the University of Crete.

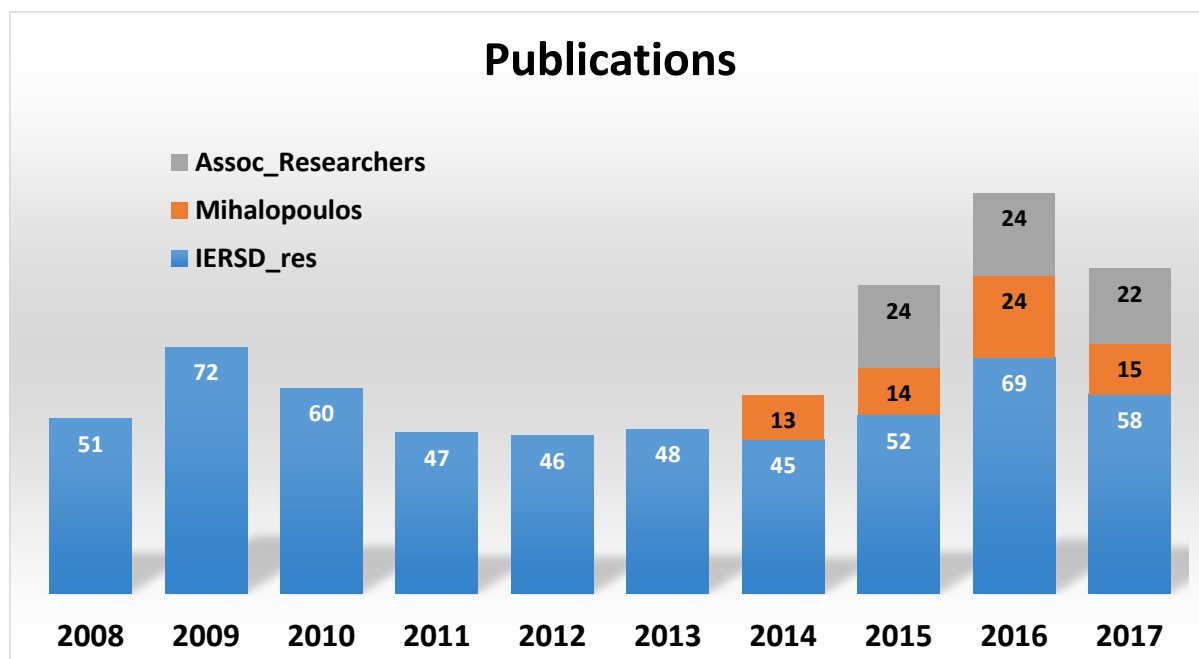


Figure 1: Variability of the IERSD publications (2008-2017). The contribution of the director and the associate researchers is depicted separately.

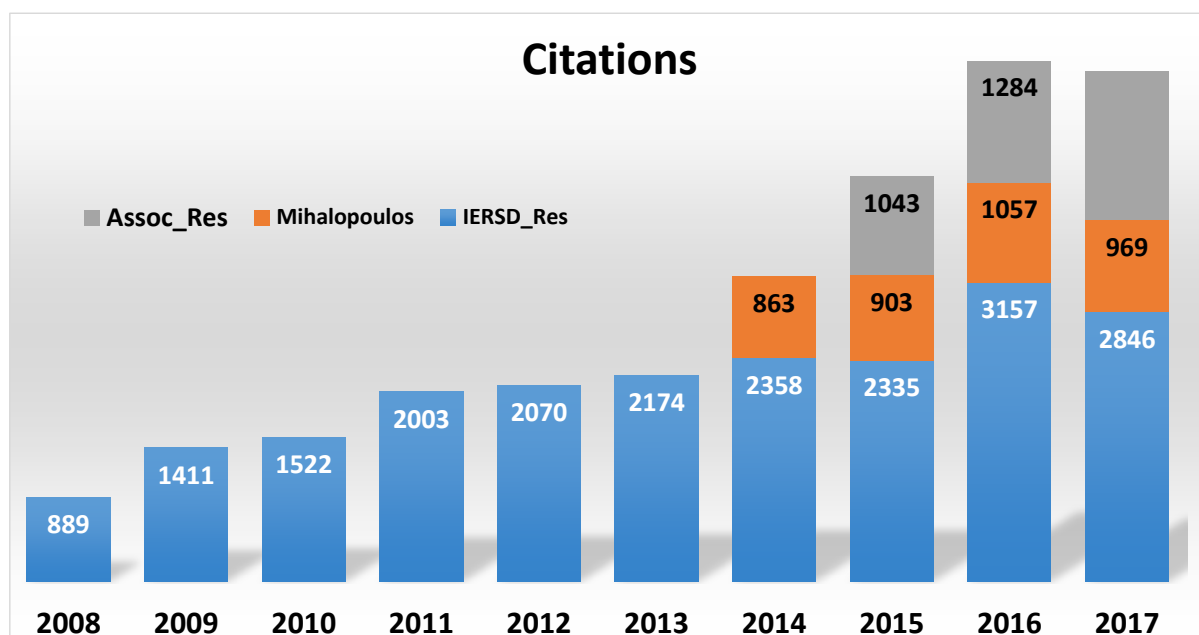


Figure 2: Variability of the IERSD citations (2008-2017). The contribution of the director and the associate researchers is depicted separately.

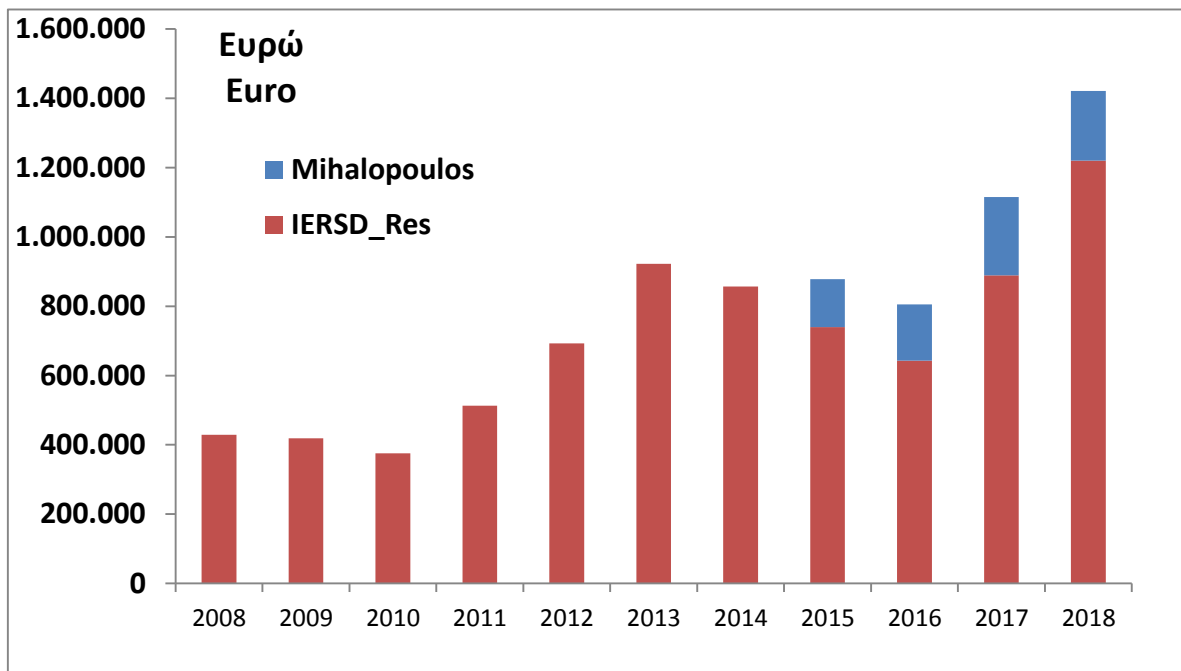


Figure 3: Variability of the IERSD funds (2008-2017). The contribution of the director and researchers is depicted separately. Note: Institutional funds (Kripis I, II and Siemens) as well as projects with participation of IERSD researchers without being PI or Co-PI (e.g BEYOND, GEO-CRADLE) are not considered.

D. Teaching experience

I: Lecturing.

- Instrumental techniques in Analytical Chemistry (Undergraduate students; 4h/week continuous since 1994).
- Atmospheric Chemistry (Undergraduate students; 3h/week continuous since 1994).
- Quantitative and qualitative chemistry ((Undergraduate students; 4h/week, 2010).
- Responsible for the laboratory of Instrumental Analytical Chemistry (Undergraduate students; since 1996).
- Environmental Analytical Chemistry (Chromatographic techniques; Post-graduate students; continuous since 1998).
- Environmental Analytical Chemistry (Trace metals in the Environment; Post-graduate students; continuous since 2008).
- Training in Environmental Analytical Chemistry (Post-graduate students; continuous since 1998).

Post graduate courses at Greek Universities and foreign Research Centers.

- Atmospheric Chemistry at the University of Athens and Patras for Master students (in 1995, 1997, 2007, 2009, 2014, 2015, 2016, 2017 and 2018).
- Atmospheric Chemistry for PhD students at Cyprus Institute (2012, 2013, 2014, 2015, 2016, 2017, 2018).

II: PhD and Master Theses supervising .

Advisor of 12 Post-docs and supervision of 15 PhD, 36 MSc students and more than 60 undergraduate students for diploma thesis. Currently I am supervising 5 PhD and 2 MSc students. In addition I have acted as advisor for more than 30 PhD thesis and MSc degree students.

A: Master Students

NAME	
Pakioufaki	Vasileia
Skoulikari	Emmanouella
Violaki	Kalliopi
Kristallas	Apostolos
Psaroudaki	Antonia
Giakoumaki	Kondulia
Mara	Paraskevi
Kassotaki	Eleftheria
Pilitsidis	Spiros
Mesarchaki	Evridiki
Theodosi	Christina
Kalivitis	Nikolaos
Zarmpas	Pavlos
Babasakalis	Paraskevas

Xylouri	Alexandra
Markaki	Zambia
Liakakou	Eleni
Bardouki	Haido
Economou	Konstantina
Perakis	Lazaros
Koulouri	Evangelia
Poulakis	Emmanouil
Smouliwtis	Dimitrios
Antoniou	Maria
Kokotos	Athanasios
Vardavas	Alexandros
Stavroulas	Iasonas
Bairamis	Antonios
Koulaki	Fotini
Mitsotaki	Anna
Tsagaraki	Maria
Fourtziou	Luciana
Variakaki	Evanthia
Panopoulou	Anastasia
Konstantinou	Andreas
Tsiorda	Irini

B: PhD Students

NAME	
Sciare*	Jean
Bougiatioti	Aikaterina
Baboukas	Evangellos
Kalivitis	Nikolaos
Kouvarakis	Giorgos
Violaki	Kalliopi
Markaki	Zambia
Liakakou	Eleni
Bardouki	Haido
Mara**	Paraskevi
Theodosi	Christina
Zarmpas	Pavlos
Paraskevopoulou	Despoina
Nicolaou	Panagiota
Gratsea	Mirto
Stavroulas	Iasonas
Tsagaraki	Maria
Panopoulou	Anastasia
Tsiorda	Irini
Kalkavouras	Panagiotis

*: Part of his PhD was performed in Greece and I acted as his PhD co-director with Dr. B.C. Nguyen

** : Co-direction with Professor K. Emeis (Hamburg, University).

C: Post-Doctorate coworkers

NAME		Duration
Bougiatioti	Aikaterina	2009-2012, 2015-2017
Kalivitis	Nikolaos	2009-2010 2013-2017
Kouvarakis	Giorgos	2002-2006
Violaki	Kalliopi	2009-2017
Markaki	Zambia	2008
Liakakou	Eleni	2007
Gerasopoulos	Evangelos	2005-2007
Arsene	Cecilia	2007-2009
Theodosi	Christina	2011-2018
Zarmpas	Pavlos	2015-2018
Paraskevopoulou	Despoina	2015-2018

III. Major contributions to the early careers of excellent researchers;

As Professor of the University of Crete I supervised (as PI) 12 Post-doctorate, 16 PhD, 36 Master students and more than 60 undergraduate students for their diploma work. **I am proud for all my coworkers but here I mention the name of few for which I had major contribution in their excellent career.**

- 1) **Prof. Dr. Jean Sciare** (research Director at LSCE France and actually Professor and EEWRC director at Cyprus institute). I acted via a EU grant (3/1998-3/200) as his PhD co-advisor.
- 2) **Prof. Dr. Vrekoussis Mihalis**, Professor at Bremen University (DE). Mihalis performed his PhD in the frame of a GRST grant (PENED) for which I was the PI (2002-2005).
- 3) **Dr. E. Gerasopoulos** (Research Director at NOA). Vangelis was my Post-doctorate collaborator (2004-2007) under a research program funded by the Ministry of education (Pythagoras) for which I was the PI.
- 4) **Prof. Dr. Mustafa Kocak** (Professor at METU-Turkey). Mustafa was a doctorate and then a Post-doctorate collaborator (2006 and 2009 respectively) under an EU Project (CITYZEN) for which I was the PI.
- 5) **Prof. Dr. C. Arsene** (Professor at Iasi, Romania) was a Post-doctorate collaborator (2005-2007) under a Marie-Curie grant (2005-2007) for which I was the PI.
- 6) **Dr. E. Liakakou** (Associate Researcher at NOA). Eleni performed her Master and PhD under my guidance in the frame of a GRST grant (PENED) for which I was the PI (2002-2005).

E. International recognition

- > 10500 citations in the international literature.
- > **9000 third-party citations** (without the references from collaborators and self-citations). The detailed list of publications is provided in section (F) below.
- **Invited speaker** at more than 40 international scientific conferences, at 4 of which as **keynote speaker**. The last 10 years, I am giving about 2 invited talks per year to Universities and Research Centers. A list with selected presentations is provided in section F.
- Member of the **Editorial Board**: Atmospheric Chemistry and Physics (ACP) <http://www.atmos-chem-phys.org>.
ACP is one of the official international scientific peer-reviewed journals of the European Geosciences Union, and the most reliable scientific journal of atmospheric science in Europe (since 2005) with an **impact factor of 5.52**.
- **Guest editor** in 6 special issues of ACP: (Minos campaign, IGAC conference, Solar Eclipse, Pegasos, dust and its role on climate, Charmex)
- **Guest editor** in a special issue of Journal of Marine Sciences (JMS, topic: Regional comparisons).

Regular **referee** of scientific articles (more than 200) in most of the international scientific journal of my discipline as well as for scientific monographs, a non exhaustive list is given below:

- PNAS
- Atmospheric Environment
- Geophysical Research Letters
- Journal of the Air and Waste Management Association
- Marine Chemistry
- Tellus
- Journal of Geophysical Research.
- Chemosphere
- Water, Air and Soil Pollution
- Oceanologica Acta
- Aquatic Sciences (AS)
- Canadian Journal of Fisheries & Aquatic Sciences
- Journal of Arid Environment
- Environment International
- Science of the total Environment
- Journal of Atmospheric Chemistry
- Atmospheric research
- Atmospheric Chemistry and Physics
- Environmental Science and technology
- Environmental Monitoring and Assessment.

Referee/Evaluator of research projects submitted for financial support to national and international organizations:

- 1) European Union (E.U.) DGXII “Environment” & “MAST “Programmes,
- 2) German Federal Ministry for Education and Research (BMBF),
- 3) General Secretary for Research and Technology (GRST),
- 4) ANR-CNRS (France),
- 5) NSF (US),

- 6) NERC (UK).
- 7) ERC (EU)

- Evaluator/ Examination of PhD thesis dissertations at non-Greek Universities:
 - 1) University Paris VI, Pierre & Marie Curie (France; 3 times)
 - 2) University Joseph Fourier, Grenoble (France; 2 times)
 - 3) University Paris VII, Denis Diderot, (France, 4 times)
 - 4) University of Helsinki
 - 5) University of Hamburg
- Evaluator/ Examination of Habilitations:
 - University of Bremen (Germany)
 - University Paris VII, Denis Diderot (France)
 - Mines de Douai (France)
- **Member and Chairman** of the evaluation panel of NATO in the frame of the action ‘Science for Peace and Security, Environmental Security’. First invitation as evaluator was in 2004, then a year after he served as vice-chair of the panel and in 2006 as Chairman.
- **Convener** of 15 International Conferences (as member of the organizing scientific Committee).
- **President** of the Scientific Organizing Committee of the Conference on MEteorology, Climatology and Atmospheric Physics (COMECAP), Crete, May 2014.
- **Organizer** of more than 10 International meetings (with up to 150 participants) and two International summer Schools (HAAR summer schools in Costa Navarino), in May 2017 and June 2018)
- **Co-organizer** of the International Conference on climate Change in the frame of the EU project DARECLIMED Crete in May 2013 (see list of research projects).
- **Co-convener** of a scientific session on aerosols and their climate impact in the Mediterranean at the European Geophysical Union (EGU) General Assembly in 2013, 2014, 2015, 2016, 2017, 2018.
- **President** of the Scientific Organizing Committee of the next International Aerosol Conference (IAC) to take place in Athens, in September 2022 (more than 1300 participants are expected).
- **National Representative** at JRC (Joint Research Center)
- **Member** of the National council for adaptation to climate change
- **Member (deputy)** of the National Scientific Council for Energy and Environment (TEΣ)

International and National Collaborations.

Collaboration in the frame of research projects and student exchanges with the following Greek and International Institutes and Universities.

Greece:

- National Technical University of Athens, Department of Chemical Engineering, Prof., A. Chaloulakou; General Department Prof. A. Papayiannis.
- Foundation for Research and Technology, Hellas (FORTH), Institute of Chemical Engineering Sciences (ICE-HT) Prof. S. Pandis

- University of Patras, Department of Chemical Engineering,, Prof. S. Pandis, Department of Chemistry, Prof. S. Glavas
- Aristotle University of Thessaloniki, Physics Department, Profs. A. Bais, D. Balis, D. Melas, Geology Department, Prof. P. Zanis.
- National and Kapodestrian University of Athens, Department of Physics, Profs. G. Kallos, M. Tombrou.
- University of Ioannina, Prof. N. Hatzianastassiou
- Technical University of Crete, Prof. M. Lazaridis
- University of the Aegean Profs. Ch. Pilinis
- Academy of Athens Prof. Ch. Zerefos
- Demokritos National Center for Scientific Research: Dr. K. Eleftheriadis
- Hellenic Center for Marine Research HCMR, Drs, E. Papathanassiou, A. Gogou, G. Petihakis.

International Collaborations:

- Max Planck for Chemistry, Mainz, (Germany), Profs. P. Crutzen, J. Lelieved.
- CNRS (France), Drs S. Belviso, V. Gros
- CEA (France), Dr, F. Dulac
- University Paris VI, Pierre & Marie Curie, (France), Dr., M.D. Loye-Pilot
- University Joseph Fourier, Grenoble, (France), Drs., P.Laj, M. Legrand
- University Paris VII, Denis Diderot, (France), Drs. R. Losno, K. Desboeuufs.
- University of Helsinki (Finland), Profs., M. Kulmala, V.M. Kerminen
- University of Hamburg (Germany), Prof., K. Emeis
- University of Bremen (Germany), Prof., J. Burrows, Prof. M. Vrekoussis
- Institute of Tropospheric Chemistry (Leipzig, Germany), Prof., A. Widensholer
- Paul Scherrer Institute, (Switzerland), Prof, Urs Baltensperger
- Istituto di Scienze dell'Atmosfera e del Clima, (Italy), Drs., Sandro Fuzzi, Cristina Facchini
- University of Leeds, (U.K.), Prof. M. Krom
- School of Earth and Atmospheric Sciences, Georgia Institute of Technology, (US), Prof. A. Nenes
- Sapporo University, Institute of Low Temperature, (Japan), Prof. K. Kawamura
- Cyprus Institute, (Cyprus), Prof. J. Sciare
- University of Oslo, (Norway), Dr. M. Gauss
- Bergische Universität, Wuppertal, (Germany), Prof. K.H. Becker, Dr. I. Barnes.
- Ispra (Italy), Drs. J.P. Putaud, F. Dentener.
- Middle East Technical University, METU, (Turkey), Prof. M. Kocak.
- Israel Oceanographic and Limnological Research, (Israel), Prof. H. Barak.
- School of Geography, Earth and Environmental Sciences, University of Plymouth, UK, Dr. M. Nimmo.

F. Publication list

PUBLICATIONS IN PEER-REVIEWED JOURNALS

Since 1987 I have published 260 articles in peer reviewed journals (1 Nature, 1 Science, 1 PNAS) receiving more than 10500 citations (>9000 excluding self-citations; H = 54; source Scopus April 2018). In about 80 among these, I am either the first or corresponding author and in additional 25 the first or corresponding author is either my doctorate or post doctorate coworker. My policy in the publications with my team is to put my name at the end of the author's list.

The last 10 years (since 2007) I have published 140 articles in peer reviewed journals (1 PNAS). In more than 35 I am either the first or corresponding author and in additional 15 the first or corresponding author is my doctorate or post doctorate coworker.

Below is the complete list of publications. * = **corresponding author**

1. Belviso S., Mihalopoulos N., Nguyen B.C., The supersaturation of carbonyl sulfide (OCS) in rain waters, Atmos. Environ., 21, 1363-1367, 1987.
2. Nguyen B.C., Belviso S., Mihalopoulos N., Gostan J., Nival P. Dimethylsulfide production during natural phytoplanktonic blooms, Marine Chemistry, 24, 133-141, 1988.
3. Mihalopoulos N., Bonsang B., Nguyen B.C., Kanakidou M., Belviso S. Field observations of carbonyl sulfide deficit near the ground: Possible implication of vegetation, Atmos. Environ., 10, 2159-2166, 1989.
4. Nguyen B.C., Mihalopoulos N., Belviso S. Seasonal variation of atmospheric dimethylsulfide at Amsterdam island in the southern Indian ocean, J. Atmos. Chem., 11, 123-143, 1990.
5. Jean-Baptiste P., Belviso S., Alaux G., Nguyen B.C., Mihalopoulos N. 3He and methane in the Gulf of Aden, Geochim. Cosmochim. Acta, 54, 111-116, 1990.
6. Belviso S., Kim S.K., Rassoulzadegan F., Krajka B., Nguyen B.C., Mihalopoulos N., P. Buat-Menard. Production of dimethylsulfonium propionate (DMSP) and dimethylsulfide (DMS) by the microbial food web. Limnol. Oceanogr., 35, 1810-1821, 1990.
7. Mihalopoulos N., Putaud J.P., Nguyen B.C, Belviso S. Annual variation of atmospheric carbonyl sulfide in the marine atmosphere in the southern Indian Ocean, J. Atmos. Chem., 13, 73-82, 1991.
8. Gaudry A., Kanakidou M., Mihalopoulos N., Bonsang B., Bonsang G., Monfray P., Tymen R., Nguyen B.C. Atmospheric trace compounds at a European coastal site: Application to CO₂, CH₄ and COS fluxes determinations, Atmos. Environ., 26A, 145-157, 1992.
9. Bingemer H., Andreae, M.O., Andreae T., Artaxo P., Hellas G., Jacob R.A., Mihalopoulos N., Nguyen B.C. Sulfur gases and aerosols in and above the equatorial African forest, J. Geophys. Res. 97, D6, 6207-6217, 1992.
10. Mihalopoulos N., Nguyen B.C, Boissard C., Campin J.M., Putaud J.P., Belviso S., Barnes

I., Becker K.H. Field study of Dimethylsulfide oxidation in the boundary layer: Variation of Dimethylsulfide, Methanesulfonic acid, Sulfur dioxide, non-sea-salt-sulfate and Aitken Nuclei at a coastal site, J. Atmos. Chem., 14, 459-477, 1992.

11. Mihalopoulos N., Barnes I., Becker K.H. Infrared Absorption spectra and integrated band intensities for gaseous methanesulphonic acid (MSA), Atmos. Environ., 26A, 807-812, 1992.

12. Nguyen B.C., Mihalopoulos N., Gaudry A., Putaud J.P., Gallet L., Keene W.C., Galloway J.N., Covariations in oceanic dimethylsulfide its oxidation products and rain acidity at Amsterdam island in the southern Indian ocean, J. Atmos. Chem., 15, 39-53, 1992.

13. Putaud J.P., Mihalopoulos N., Nguyen B.C, J.M. Campin, Belviso S. Seasonal variation of atmospheric sulfur dioxide and dimethyl sulfide concentrations at Amsterdam island in the Southern Indian Ocean, J. Atmos. Chem., 15A, 117-131, 1992.

14. Mihalopoulos N., Nguyen B.C, Putaud J.P., Belviso S. The oceanic source of carbonyl sulfide (COS), Atmos. Environ., 26A, 1383-1394, 1992.

15. Mihalopoulos N., Putaud J.P., Nguyen B.C., Seasonal variation of methanesulfonic acid in precipitation at Amsterdam Island in the Southern Indian Ocean. Atmos. Environ., 27A, 2069-2073, 1993.

16. Putaud J.P., Belviso S., Nguyen B.C., Mihalopoulos N., Dimethylsulfide, aerosol and condensation nuclei over the Tropical Northeastern Atlantic Ocean, J. Geophys. Res., 98, 14863-14871, 1993.

17. Nguyen B.C., Mihalopoulos N., Putaud J.P., Rice straw burning in Southeast Asia as a source of CO and COS to the Atmosphere. J. Geophys. Res., 99, 16435-16439, 1994.

18. Nguyen B.C., Putaud J.P., Mihalopoulos N., Bonsang B., CH₄ and CO emissions from rice straw burning in Southeast Asia. J. Environmental Monitoring and Assessment, 31, 131-137, 1994.

19. Barnes I., Becker K.H., Mihalopoulos N., FT-IR product study of the photooxidation of dimethyl disulfide, J. Atmos. Chem. 18, 267-289, 1994.

20. Nguyen B.C., Mihalopoulos N., Putaud J.P., Bonsang B., Carbonyl sulfide emissions from biomass burning in tropics. J. Atmos. Chem. 22, 55-65, 1995.

21. Mihalopoulos N*, Stephanou E., Pilitsidis S., Kanakidou M., Bousquet P., Atmospheric aerosol composition above the Eastern Mediterranean region, Tellus, 49B, 314-326, 1997.

22. Sciare J., Baboukas E., Hancy R., N. Mihalopoulos*, Nguyen B.C., Seasonal variation of dimethylsulfoxide in rainwater at Amsterdam Island : Implications for the Biogenic Sulfur cycle. J. Atmos. Chem. 30, 229-240, 1998.

23. Kavouras I.G., Mihalopoulos N., Stephanou E.G., Formation of atmospheric particles from organic acids produced by forests, Nature, 395, 683-686, 1998.

24. Patroescu J., Barnes I., Becker K.H., Mihalopoulos N., FTIR product study of the OH

initiated oxidation of DMS in the presence of NO_x, Atmos. Environ., 33, 25-35, 1999.

25. Kavouras I.G., Mihalopoulos N., Stephanou E.G., Formation and gas/particle partitioning of monoterpene photo-oxidation products over forests, Geophys. Res. Letters, 26, 55-58, 1999.

26. Putaud J.P., Davison C., Watts S.F., Mihalopoulos N., Hewitt N., Nguyen B.C., Dimethylsulfide and its oxidation products at two sites in Brittany, Atmos. Environ., 33, 647-659, 1999.

27. Sciare J., N. Mihalopoulos*, and Nguyen B.C.. Summer-time seawater concentrations of dimethylsulfide in the western Indian Ocean: Reconciliation of fluxes and spatial variability with long-term atmospheric observations. J. Atmos. Chem. 32, 357-373, 1999.

28. Kavouras I.G., Mihalopoulos N., Stephanou E.G., Secondary organic aerosol formation vs primary organic aerosol emission: In situ evidence for the chemical coupling between monoterpene acidic photooxidation products and new particle formation over forests, Environ. Sci. Technol., 33, 1028-1037, 1999.

29. Kettle A.J., Andreae M.O., Amouroux D., Andreae T.W., Bates T.S., Berresheim H., Bingemer H., Boniforti R., Curran M.A., Ditullio G.R., Helas G., Jones G.B., Keller M.D., Kiene R.P., Leck C., Lévassieur M., Malin G., Maspero M., Matrai P., McTaggart A.R., Mihalopoulos N., Nguyen B.C., Novo A., Putaud J.P., Rapsomanikis S., Roberts G., Schebeske G., Sharma S., Simo R., Staubes R., Turner S., Uher G., A global data base of sea surface dimethylsulfide measurements and a procedure to predict sea surface DMS as a function of latitude, longitude and month, Global Biogeochem. Cycles, 399-444, 1999.

30. Sciare, J., and N. Mihalopoulos*, A new technique for sampling and analysis of atmospheric dimethylsulfoxide (DMSO), Atmos. Environ., 34, 151-156, 2000.

31. Kouvarakis G., Tsigaridis K., Kanakidou M., and N. Mihalopoulos*, Temporal variations of surface regional background ozone over Crete Island in the Southeast Mediterranean. J. Geophys. Res., 105, 4,399 - 4,407, 2000.

32. Belviso, S., Morrow, R., Mihalopoulos, N., An Atlantic meridional transect of surface water dimethyl sulfide concentrations with 10-15 km horizontal resolution and close examination of ocean circulation, J. Geophys. Res. 105, 14,423 – 14,457, 2000.

33. Sciare, J., Baboukas, E., Kanakidou, M., Krischke, U., Belviso, S., Bardouki, H., N. Mihalopoulos*, Spatial and temporal variability of atmospheric sulfur-containing gases and particles during the Albatross campaign, J. Geophys. Res., 105, 14,433 – 14,448, 2000.

34. Patris, N., Mihalopoulos, N., Baboukas, E. D., Jouzel, J., Isotopic composition of sulfur in size-resolved marine aerosols above the Atlantic Ocean, J. Geophys. Res., 105, 14,449 – 14,457, 2000.

35. Baboukas, E. D., Kanakidou, M., N. Mihalopoulos*, Carboxylic acids in gas and particulate phase above the Atlantic Ocean, J. Geophys. Res., 105, 14,459 – 14,471, 2000.

36. Sciare, J., Kanakidou M., and N. Mihalopoulos*, Diurnal and seasonal variation of atmospheric dimethylsulfoxide at Amsterdam Island in the southern Indian Ocean. J. Geophys. Res., 105, 17,257-17,265, 2000.
37. Sciare, J., N. Mihalopoulos*, and Dentener F., Interannual variability of atmospheric dimethylsulfide in the Southern Indian Ocean. J. Geophys. Res., 105, 26,369-26,377, 2000.
38. Sciare, J., Baboukas E., and N. Mihalopoulos*, Short-term variations of atmospheric DMS and its oxidation products at Amsterdam Island during summer time. J. Atmos. Chem., 39, 281-302, 2001.
39. Harrison, D., Hunter M.C., Lewis A.C., Seakins P.W, Bonsang B., Gros V., Kanakidou M., Touaty M., Kavouras I, Mihalopoulos N., Stephanou E., Alves C., Nunes T., Pio C., Ambient isoprene and monoterpene concentrations in a Greek fir (*Abies Borisii-regis*) forest. Reconciliation with emissions measurements and effects on measured OH concentrations, Atmos. Environ., 35, 4,699-4,711, 2001.
40. Stephanou, E.G., Kavouras I., Mihalopoulos N., Comment on “Formation of new particles in the gas-phase ozonolysis of monoterpenes ”by Koch et al. Atmospheric Environment 34 (2000) 4031 –4042), Atmos. Environ., 35, 4523 –4524, 2001.
41. N. Mihalopoulos*, Nguyen B.C., Vertical distribution of Carbonylsulfide in a eucalyptus forest, Chemosphere, 3, 275-282, 2001.
42. Kouvarakis, G., N. Mihalopoulos*, Tselepides T., Stavrakakis S., On the importance of atmospheric nitrogen inputs on the productivity of Eastern Mediterranean, Global Biogeochem. Cycles, 15, 805-818, 2001.
43. Kouvarakis G., and N. Mihalopoulos*, Seasonal variation of dimethylsulfide in the gas phase and of methanesulfonate and non-sea-salt sulfate in the aerosol phase measured in the Eastern Mediterranean atmosphere, Atmos. Environ., 36, 929-938, 2002.
44. Economou C., and N. Mihalopoulos*, Formaldehyde in the rainwater in the Eastern Mediterranean: Concentration, deposition and contribution to organic carbon budget, Atmos. Environ., 36, 1337-1347, 2002.
45. Sciare, J., N. Mihalopoulos*, Nguyen B.C., Spatio-temporal variability of dissolved sulfur compounds in European estuaries, Biogeochemistry, 59, 121-141, 2002.
46. Kouvarakis G., Bardouki H., and N. Mihalopoulos*, Sulfur budget above the Eastern Mediterranean: Relative contribution of anthropogenic and biogenic sources, Tellus, 54B, 201-212, 2002.
47. Bardouki H., Barcellos da Rosa M., N. Mihalopoulos*, Palm U., and Zetzsch C., Kinetics and Mechanism of the Oxidation of Dimethylsulfoxide (DMSO) and Methanesulphinate (MSI) by OH Radicals in Aqueous Medium, Atmos. Environ., 36, 4627-4634, 2002.
48. Kouvarakis G., Vrekoussis M., N. Mihalopoulos*, Kourtidis K., Rappengluck B., Gerasopoulos E. and Zerefos C., Spatial and temporal variability of tropospheric ozone (O₃) in

the boundary layer above the Aegean Sea (Eastern Mediterranean), *J. Geophys. Res.*, 107, 8137, 10.1029/2000JD000081, 2002.

49. Kourtidis K., Zerefos C., Rapsomanikis S., Simeonov V., Balis D., Perros P. E., Thompson A. M., Witte J., Calpini B., Sharobiem W. M., Papayannis A., Mihalopoulos N., Drakou R., Regional levels of Ozone over the eastern Mediterranean, *J. Geophys. Res.*, 107, 8140, 10.1029/2000JD000140, 2002.

50. Kouvarakis, G., Doukelis, Y., N. Mihalopoulos*, Rapsomanikis, S., Sciare, J., and Blumthaler, M., 2002, Chemical, physical and optical characterization of aerosols during PAUR II experiment, *J. Geophys. Res.*, 10.1029/2000JD000291, 28 September 2002.

51. Kubilay N., Koçak M., Çokacar T., Oguz T., Kouvarakis G., and Mihalopoulos N., The Influence of Black Sea and Local Biogenic Activity on the Seasonal Variation of Aerosol Sulfur Species in the Eastern Mediterranean Atmosphere, *Global Biogeochem. Cycles*, 16, 1029/2002GB001880, 2002.

52. Baboukas. E, Sciare J., and N. Mihalopoulos*, Interannual variability of methanesulfonic acid in rainwater at Amsterdam Island (Southern Indian Ocean), *Atmos. Environ.*, 36, 5131-5139, 2002.

53. Lelieveld J., Berresheim H., Borrmann S., Crutzen P. J., Dentener F. J., Fischer H., Feichter J., Flatau P. J., Heland J., Holzinger R., Kormann R., Lawrence M. G., Levin Z., Markowicz K. M., Mihalopoulos N., Minikin A., Ramanathan V., de Reus M., Roelofs G. J., Scheeren H. A., Sciare J., Schlager H., Schultz M., Siegmund P., Steil B., Stephanou E. G., Stier P., Traub M., Warneke C., Williams J., Ziereis H., Global Air Pollution Crossroads over the Mediterranean, *Science*, 298, 794-799, 2002.

54. Arsene C., Barnes I., Becker K.H, Schneider W., Mihalopoulos N., Patroescu-Klotz I., Formation of methane sulfinic acid in the gas phase OH-radical initiated oxidation of dimethyl sulfoxide, *Environ. Sci. and Technol.*, 36, 5155-5163, 2002.

55. Bardouki H., Liakakou H., Economou C., Smolik J., Zdimal V., Eleftheriadis K., Lazaridis M. and N. Mihalopoulos*, Chemical Composition of Size Resolved Atmospheric Aerosols in the Eastern Mediterranean During Summer and Winter, *Atmos. Environ.*, 37, 195-208, 2003.

56. Sciare, J., H. Bardouki, C. Moulin, and N. Mihalopoulos*, Aerosol sources and their contribution to the chemical composition of aerosols in the Eastern Mediterranean Sea during summertime, *Atmos. Chem. Phys.*, 3, 291–302, 2003.

57. Salisbury, G., J. Williams, R. Holzinger, V. Gros, N. Mihalopoulos, M. Vrekoussis, R. Sarda-Estève, H. Berresheim, R. von Kuhlmann, M. Lawrence, and J. Lelieveld, Ground-based PTR-MS measurements of reactive organic compounds during the MINOS campaign in Crete, July-August 2001, *Atmos. Chem. Phys.*, 3, 925-940, 2003.

58. Berresheim, H, C. Plass-Dülmer, T. Elste, N. Mihalopoulos, and F. Rohrer, OH in the coastal boundary layer of Crete during MINOS: Measurements and relationship with ozone photolysis, *Atmos. Chem. Phys.*, 3, 639-649, 2003.

59. Z. Markaki, K. Oikonomou, M. Kocak, G. Kouvarakis, A. Chaniotaki, N. Kubilay and N. Mihalopoulos*, Atmospheric deposition of inorganic phosphorus in the Levantine Basin, Eastern Mediterranean: Spatial, temporal variability and its role on the productivity of the Eastern Mediterranean Sea, Limnol. Oceanogr., 48: 1557-1568, 2003
60. R. Sander, W. C. Keene, A. A. P. Pszenny, R. Arimoto, G. P. Ayers, E. Baboukas, J. M. Caine, P. J. Crutzen, R. A. Duce, G. Honninger, B. J. Huebert, W. Maenhaut, N. Mihalopoulos, V. C. Turekian, and R. Van Dingenen, Inorganic bromine in the marine boundary layer: a critical review, Atmos. Chem. Phys., 3, 1301-1336, 2003.
61. Sciare, J., H. Cachier, K. Oikonomou, P. Ausset, R. Sarda-Estève, and N. Mihalopoulos, Characterization of Carbonaceous Aerosols during the MINOS campaign in Crete, July-August 2001, Atmos. Chem. Phys., 3, 1743-1757, 2003.
62. Bardouki, H., Berresheim, H., Sciare, J., Vrekoussis, M., Kouvarakis, G., Oikonomou, C., Schneider, J., N. Mihalopoulos*, Gaseous (DMS, DMSO, SO₂, H₂SO₄, MSA) and particulate (MS⁻ and SO₄²⁻) sulfur compounds during the MINOS campaign, Atmos. Chem. Phys., 3, 1871-1886, 2003.
63. Kniventon, D.R., Todd, M.C., Sciare, J., Mihalopoulos, N., Variability of atmospheric dimethylsulphide over the southern Indian Ocean due to changes in ultraviolet radiation, Global Biogeochem. Cycles, Vol. 17, No. 4, 1096, 10.1029/2003.
64. Smolik J., Zdimal V., Schwartz, J., Lazaridis M., Harnvanek V., Eleftheriadis K., Mihalopoulos N., C. Bryant, Colbeck I., Size resolved mass concentrations and chemical composition of atmospheric aerosols over the eastern Mediterranean area, Measurements of Particulate Matter, Atmos. Chem. Phys., 3, 2207-2216, 2004.
65. Vrekoussis, M., M. Kanakidou*, N. Mihalopoulos*, P. J. Crutzen, J. Lelieveld, D. Perner, H. Berresheim, Role of NO₃ radicals in oxidation processes in the Eastern Mediterranean troposphere during the MINOS campaign, Atmos. Chem. Phys., 4, 169-182, 2004.
66. Schneider, J., S. Borrmann, A. G. Wollny, M. Blödsner, N. Mihalopoulos, K. Oikonomou, J. Sciare, A. Teller, Z. Levin, D. R. Worsnop, On-line mass spectrometric aerosol measurements during the MINOS campaign (Crete, August 2001), Atmos. Chem. Phys., 4, 65-80, 2004.
67. Koçak M., Kubilay N., and Mihalopoulos N., Ionic composition of the lower tropospheric aerosols in a NE Mediterranean site: Implication regarding sources and long-range transport, Atmos. Environ., 38, 2067-2077, 2004.
68. Putaud P., Baltensperger U., Facchini M.-C., Fuzzi S., Gehrig R., Hansson H.-C., Harrison R. M., Jones A. M., Laj P., Maenhaut W., Mihalopoulos N., Palmgren F., Querol X., Raes F., Rodriguez S., Ten Brink H., Tunved P., Van Dingenen R., Wehner B., Weingartner E., Wiedensohler A., Wählén P., Atmos. Environ., 38, 2579-2595, 2004.
69. Baboukas, E., J. Sciare, and N. Mihalopoulos*, Spatial, temporal and Interannual variability of methanesulfonate and non-sea-salt sulfate in rainwater in the Southern Indian Ocean, J. Atmos. Chem., 35-57, 2004.

70. Astitha M, Kallos G, Mihalopoulos N, Analysis of air quality observations with the aid of the source-receptor relationship approach, J Air Waste Manage 55 (4): 523-535, 2005.
71. Kniveton DR, Todd MC, Sciare J, N. Mihalopoulos, The net effect of ultraviolet radiation on atmospheric dimethylsulphide over the Southern Indian Ocean, Philos. T Roy Soc A 363 (1826): 187-189, 2005.
72. Gerasopoulos E, Kouvarakis G, Vrekoussis M, Kanakidou M, N. Mihalopoulos*, Ozone variability in the marine boundary layer of the eastern Mediterranean based on 7-year observations, J. Geophys. Res., 110 (D15): art. no. D15309 AUG 13 2005.
73. Sciare J, Oikonomou K, Cachier H, Mihalopoulos N, Andreae MO, Maenhaut W, Sarda-Esteve, Aerosol mass closure and reconstruction of the light scattering coefficient over the Eastern Mediterranean Sea during the MINOS campaign Atmos. Chem. Phys., 5: 2253-2265 AUG 23 2005.
74. M. Vrekoussis, E. Liakakou, M. Koçak, N. Kubilay, K. Oikonomou, J. Sciare and N. Mihalopoulos*, Seasonal variability of optical properties of aerosols in the Eastern Mediterranean, Atmos. Environ., 39, 7083-7094, 2005.
75. Barnes, I., Jens Hjorth and Nikos Mihalopoulos, Dimethyl Sulfide and Dimethyl Sulfoxide and Their Oxidation in the Atmosphere, Chem. Rev. 106, 940-975, 2006.
76. Vrekoussis, M., Liakakou, E., Mihalopoulos, N., and Kanakidou, M., P. J. Crutzen, and J. Lelieveld, Formation of HNO₃ and NO₃ in the anthropogenically-influenced eastern Mediterranean marine boundary layer, GRL., 33, L05811, doi:10.1029/2005GL025069, 2006
77. Gerasopoulos, E., Kouvarakis, G., Vrekoussis, M., Donoussis, C., Mihalopoulos, N., and Kanakidou, M., Photochemical ozone production in the Eastern Mediterranean, Atmos. Environ., 40, 3057-3069, 2006.
78. D. Balis, V. Amiridis, S. Kazadzis, Papayannis, G. Tsaknakis, S. Tzortzakis, N. Kalivitis, M. Vrekoussis, M. Kanakidou, N. Mihalopoulos, G. Chourdakis, S. Nickovic, C. Pérez, J. Baldasano, M. Drakakis, Optical Characteristics of desert dust over the East Mediterranean during summer: A case study, Annales Geophysicae, 24: 807 – 821, 2006.
79. Metzger, S., N. Mihalopoulos, and J. Lelieveld, Importance of mineral cations and organics in gas-aerosol partitioning of reactive nitrogen compounds: case study based on MINOS results, Atmos. Chem. Phys., 6, 2549–2567, 2006.
80. Gerasopoulos, E., G. Kouvarakis, P. Babasakalis, M. Vrekoussis, J.-P. Putaud, and N. Mihalopoulos*, Origin and variability of particulate matter (PM₁₀) mass concentrations over the Eastern Mediterranean, Atmos. Environ., 40, 4679–4690, 2006.
81. Eleftheriadis, K., I. Colbeck, C. Housiadas, M. Lazaridis, N. Mihalopoulos, C. Mitsakou, J. Smolík and V. Ždímal, Size distribution, composition and origin of the submicron aerosol in the marine boundary layer during the eastern Mediterranean “sub-aero” experiment, Atmos. Environ., 40, 6245-6260, 2006.

82. Spyridaki, M. Lazaridis, K. Eleftheriadis, J. Smolik, N. Mihalopoulos, and V. Aleksandropoulou, Modelling and evaluation of size resolved aerosols characteristics in the Eastern Mediterranean during the Sub-aero project, Atmos. Environ., 40, 6261-6275, 2006.
83. Bryant C., Eleftheriadis K., Smolik J., Zdimal V., Mihalopoulos N., and Colbeck, I., Optical properties of atmospheric aerosol over the eastern Mediterranean, Atmos. Environ., 40, 6229-6244, 2006.
84. Lazaridis, M., Eleftheriadis K., Smolik J., Colbeck I., Kallos G., Drossinos I., Zdimal V., Vecera Z., Mihalopoulos N., Mikuska P., Bryant C., Housiadas C., Spiridaki A., Astitha M., and Havranek V., Dynamics of fine particles and photo-oxidants in the Eastern Mediterranean (SUB-AERO), Atmos. Environ., 40, 6214-6228, 2006
85. A. Fotiadi, N. Hatzianastassiou, E. Drakakis, C. Matsoukas, K. G. Pavlakis, D. Hatzidimitriou, E. Gerasopoulos, N. Mihalopoulos, and I. Vardavas, Aerosol physical and optical properties in the Eastern Mediterranean Basin, Crete, from Aerosol Robotic Network data, Page(s) 5399-5413, ACP, SRef-ID: 1680-7324/acp/2006-6-5399, 2006.
86. Vrekoussis M, Mihalopoulos N. Gerasopoulos E, Kanakidou M, Crutzen PJ, Lelieveld , Two-years of NO₃ radical observations in the boundary layer over the Eastern Mediterranean, Atmos. Chem. Phys., 7: 315-327 JAN 22 2007.
87. Liakakou, E., M. Vrekoussis, B. Bonsang, Ch. Donousis, M. Kanakidou and N. Mihalopoulos*, Isoprene above the Eastern Mediterranean: Seasonal variation and contribution to the oxidation capacity of the atmosphere, Atmos. Environ., 41,1002-1010 , 2007.
88. Kalivitis N., E. Gerasopoulos, M. Vrekoussis., G. Kouvarakis, N. Kubilay, N. Hatzianastassiou., I. Vardavas, N. Mihalopoulos*, (2007), Dust transport over the Eastern Mediterranean derived from TOMS, AERONET and surface measurements, J. Geophys. Res., 112 (D3): art. no. D03202, FEB 7 2007.
89. Gerasopoulos, E., E. Koulouri, N. Kalivitis, G. Kouvarakis, S. Saarikoski, T. Mäkelä, R. Hillamo, and Mihalopoulos*, Size-segregated mass distributions of aerosols over Eastern Mediterranean: seasonal variability and comparison with AERONET columnar size-distributions, Atmos. Chem. Phys., SRef-ID: 1680-7324/acp/2007-7-2551.
90. Koçak, M., N., Mihalopoulos and N. Kubilay Contributions of natural sources to high PM₁₀ and PM_{2.5} events in the eastern Mediterranean, Atmos. Environ., 41 (18): 3806-3818 JUN 2007.
91. Mihalopoulos* N., V.M. Kerminen, M. Kanakidou, H. Berresheim and J. Sciare, Formation of particulate sulfur species (sulfate and methanesulfonate) during summer over the Eastern Mediterranean: A modelling approach , Atmos. Environ., Volume 41, Issue 32, , Pages 6860-6871, October 2007.
92. Koçak, M., N., Mihalopoulos and N. Kubilay , Chemical composition of the fine and coarse fraction of aerosols in the northeastern Mediterranean, Atmos. Environ., 41, (34), 7351-7368, November 2007.

93. Arsene C., A. Bougiatioti, M. Kanakidou, B. Bonsang, and N. Mihalopoulos, Tropospheric OH and Cl levels deduced from non-methane hydrocarbon measurements in a marine site, Atmos. Chem. Phys., 7, 4661-4673, 2007.
94. Zerefos C. S. , E. Gerasopoulos, I. Tzagouri, B. E. Psiloglou, A. Belehaki, T. Herekakis, A. Bais, S. Kazadzis, C. Eleftheratos, N. Kalivitis, and N. Mihalopoulos, Evidence of gravity waves into the atmosphere during the March 2006 total solar eclipse, Atmos. Chem. Phys., 7, 4943-4951, 2007
95. Arsene C., Romeo Iulian Olariu and N. Mihalopoulos, Chemical composition of rainwater in the north-eastern Romania, Iasi region (2003-2006), Atmos. Environ., 41 (40): 9452-9467, 2007
96. Diapouli E, Chaloulakou A, Mihalopoulos N, Indoor and outdoor PM mass and number concentrations at schools in the Athens area , Environmental Monitoring and Assessment, 136, 2008.
97. Zanis P, Katragkou E, Kanakidou M, Psiloglou BE, Karathanasis S, Vrekoussis M, Gerasopoulos E, Lisaridis I, Markakis K, Poupkou A, Amiridis V, Melas D, Mihalopoulos N, Zerefos C, Effects on surface atmospheric photo-oxidants over Greece during the total solar eclipse event of 29 March 2006, ACP, 7 (23): 6061-6073 2007.
98. Lazaridis M, Dzumbova L, Kopanakis I, Ondracek J, Glytsos T, Aleksandropoulou V, Voulgarakis A, Katsivela E, Mihalopoulos N, Eleftheriadis K, PM10 and PM2.5 levels in the eastern Mediterranean (Akrotiri research station, Crete, Greece), Water, Air and Soil Pollution, 189, 85-101, 2008
99. Papadimas, C.D., N. Hatzianastassiou, N. Mihalopoulos, X. Querol, and I. Vardavas, 2008, Spatial and temporal variability in aerosol properties over the Mediterranean basin based on 6-year (2000–2006) MODIS data, JGR, 113(D11), D11205, doi:10.1029/2007JD009189, 2008
100. B. Bohn, G. K. Corlett, M. Gillmann, S. Sanghavi, G. Stange, E. Tensing, M. Vrekoussis, W. J. Bloss, L. J. Clapp, M. Kortner, H.-P. Dorn, P. S. Monks, U. Platt, C. Plass-Dülmer, N. Mihalopoulos, D. E. Heard, K. C. Clemitshaw, F. X. Meixner, A. S. H. Prevot, and R. Schmitt, Photolysis frequency measurement techniques: results of a comparison within the ACCENT project, Atmos. Chem. Phys., 8, 5373-5391, 2008
101. J. Sciare, K. Oikonomou, O. Favez, Z. Markaki, E. Liakakou, H. Cachier, and N.Mihalopoulos*, Long-term measurements of carbonaceous aerosols in the Eastern Mediterranean: Evidence of long-range transport of biomass burning, Atmos. Chem. Phys., 8, 5551-5563, 2008
102. N. Kalivitis, W. Birmili, M. Stock, B. Wehner, A. Massling, A. Wiedensohler, E. Gerasopoulos, and N.Mihalopoulos*, Particle size distributions in the Eastern Mediterranean troposphere, Atmos. Chem. Phys., 8, 6729-6738, 2008.
103. Glavas Sotirios D., Panayiotis Nikolakis, Demetrios Ambatzoglou and Nikos Mihalopoulos, Factors affecting the seasonal variation of mass and ionic composition of PM2.5 at a central Mediterranean coastal site, Atmospheric Environment, 42, 21, 5365-537, 2008.

104. Koulouri, E., S. Saarikoski, C. Theodosi, Z. Markaki, E. Gerasopoulos, G. Kouvarakis, T. Mäkelä, R., Hillamo and N.Mihalopoulos*, Chemical composition and sources of fine and coarse aerosol particles in the Eastern Mediterranean, Atmospheric Environment, 42, 26, 6542-6550, 2008.
105. C. D. Papadimas, N. Hatzianastassiou, N. Mihalopoulos, M. Kanakidou, B. D. Katsoulis, and I. Vardavas, Assessment of the MODIS Collections C005 and C004 aerosol optical depth products over the Mediterranean basin, Atmos. Chem. Phys., 9 (9): 2987-2999 2009
106. P.D. Kalabokas, N. Mihalopoulos, R. Ellul, S. Kleanthous, C.C. Repapis, An investigation of the meteorological and photochemical factors influencing the background rural and marine surface ozone levels in the Central and Eastern Mediterranean, Atmospheric Environment, 42, 34, 7894-7906, 2008.
107. Mustafa Koçak, Nikos Mihalopoulos, Nilgün Kubilay, Origin and source regions of PM₁₀ in the Eastern Mediterranean atmosphere, Atmospheric Research, 92 (4): 464-474, 2009
108. Marmar E, Dentener F, van Aardenne J, Cavalli F, Vignati E, Velchev K, Hjorth J, Boersma F, Vinken G, Mihalopoulos N, Raes F, What can we learn about ship emission inventories from measurements of air pollutants over the Mediterranean Sea?, Atmos. Chem. Phys., 9 (18): 6815-6831 2009.
109. Bougiatioti A, Fountoukis C, Kalivitis N, Pandis SN, Nenes A, Mihalopoulos N*, Cloud condensation nuclei measurements in the marine boundary layer of the eastern Mediterranean: CCN closure and droplet growth kinetics, Atmos. Chem. Phys., 9 (18): 7053-7066 2009.
110. Querol X, Pey J, Pandolfi M, Alastuey A, Cusack M, Perez N, Moreno T, Viana M, Mihalopoulos N, Kallos G, Kleanthous S, African dust contributions to mean ambient PM₁₀ mass-levels across the Mediterranean Basin, Atmospheric Environment, 43 (28): 4266-4277 SEP 2009 .
111. Querol X, Alastuey A, Pey J, Cusack M, Perez N, Mihalopoulos N, Theodosi C, Gerasopoulos E, Kubilay N, Kocak M Variability in regional background aerosols within the Mediterranean, Atmos. Chem. Phys., 9 (14): 4575-4591 2009.
112. Liakakou E., B. Bonsang, J. Williams, N. Kalivitis, M. Kanakidou, Mihalopoulos N*, C₂-C₈ NMHCs over the Eastern Mediterranean: Seasonal variation and impact on regional oxidation chemistry, Atmospheric Environment 43, 5611–5621, (2009).
113. Mara, P., Mihalopoulos N*, A. Gogou, K. Daehnke, T. Schlarbaum, K. Emeis, and M. Krom (2009), Isotopic composition of nitrate in wet and dry atmospheric deposition on Crete in the eastern Mediterranean Sea, Global Biogeochem. Cycles, 23, GB4002, doi:10.1029/2008GB003395.
114. A. Gkikas, N. Hatzianastassiou, and N. Mihalopoulos, Aerosol events in the broader Mediterranean basin based on 7-year (2000–2007) MODIS C005 data, Ann. Geophys., 27, 3509-3522, 2009.

115. N. Hatzianastassiou, A. Gkikas, N. Mihalopoulos, O. Torres, B.D. Katsoulis, Natural versus anthropogenic aerosols in the eastern Mediterranean basin derived from multi-year TOMS and MODIS satellite data, *JGR*, 114: Art. No. D24202 DEC 22 2009.

2010

116. C. Theodosi, Z. Markaki, and N. Mihalopoulos*, Iron speciation, solubility and temporal variability in wet and dry deposition in the Eastern Mediterranean, *Marine Chemistry*, 120 (1-4), pp. 100-107, 2010.

117. Z. Markaki, M.D. Loýe-Pilot, K. Violaki, L. Benyahya and N. Mihalopoulos*, Variability of atmospheric deposition of dissolved nitrogen and phosphorus in the Mediterranean and possible link to the anomalous seawater N/P ratio, *Marine Chemistry*, 120 (1-4), pp. 187-194, 2010.

118. K. Violaki, P. Zarbas, N. Mihalopoulos*, Long-term measurements of dissolved organic nitrogen (DON) in atmospheric deposition in the Eastern Mediterranean: Fluxes, origin and biogeochemical implications, *Marine Chemistry*, 120 (1-4), pp. 179-186, 2010.

119. C. Theodosi, Z. Markaki, A. Tselepidis and N. Mihalopoulos*, The significance of atmospheric inputs of soluble and particulate major and trace metals to the eastern Mediterranean seawater, *Marine Chemistry*, 120 (1-4), pp. 154-163, 2010.

120. L. Hildebrand, G. J. Engelhart, C. Mohr, E. Kostenidou, V. A. Lanz, A. Bougiatioti, P. F. DeCarlo, A. S. H. Prevot, U. Baltensperger, N. Mihalopoulos, N. M. Donahue, and S. N. Pandis, Aged organic aerosol in the Eastern Mediterranean: the Finokalia Aerosol Measurement Experiment – 2008, *Atmospheric Chemistry and Physics*, Volume 10, Issue 9, Pages 4167-4186, 2010.

121. Theodosi, C., Im, U., Bougiatioti, A., Zampas, P., Yenigun, O., N. Mihalopoulos*, Aerosol chemical composition over Istanbul, *Science of the Total Environment*, 408 (12), pp. 2482-2491, 2010.

122. Terzi, E., Argyropoulos, G., Bougiatioti, A., Mihalopoulos, N., Nikolaou, K., Samara, C., Chemical composition and mass closure of ambient PM10 at urban sites, *Atmospheric Environment*, 44 (18), pp. 2231-2239, 2010.

123. Pikridas, M., Bougiatioti A., Hildebrandt, L., Engelhart, G.J., Kostenidou, E., Mohr, C., Prevot, A.S.H., Kouvarakis, G., Zampas, P., Burkhardt, J.F., Lee, B.-H., Psichoudaki, M., N. Mihalopoulos, Pilinis, C., Stohl, A., Baltensperger, U., Kulmala, M., Pandis, S.N. The Finokalia Aerosol Measurement Experiment - 2008 (FAME-08): An overview, *Atmospheric Chemistry and Physics*, Volume 10, Issue 14, Pages 6793-6806, 2010.

124. Manninen, H.E., Nieminen, T., Asmi, E., Gagné, S., Häkkinen, S., Lehtipalo, K., Aalto, P., Vana, M., Mirme, A., Mirme, S., Hörrak, U., Plass-Dülmer, C., Stange, G., Kiss, G., Hoffer, A., Töro, N., Moerman, M., Henzing, B., De Leeuw, G., Brinkenberg, M., Kouvarakis, G.N., Bougiatioti, A., Mihalopoulos, N., O'Dowd, C., Ceburnis, D., Arneth, A., Svenningsson, B., Swietlicki, E., Tarozzi, L., Decesari, S., Facchini, M.C., Birmili, W., Sonntag, A., Wiedensohler, A., Boulon, J., Sellegri, K., Laj, P., Gysel, M., Bukowiecki, N., Weingartner, E., Wehrle, G., Laaksonen, A., Hamed, A., Joutsensaari, J., Petäjä, T., Kerminen, V.-M., Kulmala,

M. EUCAARI ion spectrometer measurements at 12 European sites-analysis of new particle formation events, Atmospheric Chemistry and Physics, Volume 10, Issue 16, 2010, Pages 7907-7927, 2010.

125. Violaki, K., Mihalopoulos, N.*, Water-soluble organic nitrogen (WSON) in size-segregated atmospheric particles over the Eastern Mediterranean, Atmos. Environ., Volume 44, Issue 35, 4339-4345, 2010.

126. Im, U., Markakis, K., Unal, A., Kindap, T., Poupkou, A., Incecik, S., Yenigun, O., Melas, D., Theodosi, C., Mihalopoulos, N., Study of a winter PM episode in Istanbul using the high resolution WRF/CMAQ modeling system, Atmos. Environ., Volume 44, Issue 26, Pages 3085-3094, 2010.

127. Spracklen, D.V., Carslaw, K.S., Merikanto, J., Mann, G.W., Reddington, C.L., Pickering, S., Ogren, J.A., Andrews, E., Baltensperger, U., Weingartner, E., Boy, M., Kulmala, M., Laakso, L., Lihavainen, H., Kivekäs, N., Komppula, M., Mihalopoulos, N., Kouvarakis, G., Jennings, S.G., O'Dowd, C., Birmili, W., Wiedensohler, A., Weller, R., Gras, J., Laj, P., Sellegri, K., Bonn, B., Krejci, R., Laaksonen, A., Hamed, A., Minikin, A., Harrison, R.M., Talbot, R., Sun, J., Explaining global surface aerosol number concentrations in terms of primary emissions and particle formation, Atmospheric Chemistry and Physics Volume 10, Issue 10, Pages 4775-4793, 2010.

128. Lee, B.H., Kostenidou, E., Hildebrandt, L., Riipinen, I., Engelhart, G.J., Mohr, C., Decarlo, P.F., Mihalopoulos, N., Prevot, A.S.H., Baltensperger, U., Pandis, S.N., Measurement of the ambient organic aerosol volatility distribution: Application during the Finokalia Aerosol Measurement Experiment (FAME-2008), Atmospheric Chemistry and Physics, Volume 10, 12149–12160, 2010.

129. Hildebrandt, L., Kostenidou, E., Mihalopoulos, N., Worsnop, D., Donahue, N.M., Pandis, S.N., Formation of highly oxygenated organic aerosol in the atmosphere: Insights from the Finokalia Aerosol Measurement Experiments, Geophys. Res. Lett., Vol. 37, L23801, doi:10.1029/2010GL045193, 2010.

130. Emeis, K., Mara, P., T. Schlarbaum, Jürgen Möbius, K. Daehnke, Ulrich Struck, Mihalopoulos N., and M. Krom (2009), Isotope ratios of nitrate, dissolved reduced and particulate nitrogen in the Eastern Mediterranean Sea trace external N-inputs and internal N-cycling, J. Geophys. Res., 115, G04041, doi:10.1029/2009JG001214, 2010.

131. M. Kocak, N. Kubilay, S. Tugrul, and N. Mihalopoulos, Atmospheric nutrient inputs to the northern levantine basin from a long-term observation: sources and comparison with riverine inputs, Biogeosciences, 7, 4037–4050, 2010.

2011

132. Cecilia Arsene, Romeo Iulian Olariu, Pavlos Zarmpas, Maria Kanakidou, Nikolaos Mihalopoulos, Ion composition of coarse and fine particles in Iasi, north-eastern Romania: Implications for aerosols chemistry in the area, Atmos. Environ., Volume 45, Issue 4, 906-916, 2011.

133. Maria Kanakidou, Nikolaos Mihalopoulos, Tayfun Kindap, Ulas Im, Mihalis Vrekoussis, Evangelos Gerasopoulos, Eirini Dermizaki, Alper Unal, Mustafa Koçak, Kostas Markakis, Dimitris Melas, Georgios Kouvarakis, Ahmed F. Youssef, Andreas Richter, Nikolaos Hatzianastassiou, Andreas Hilboll, Felix Ebojie, Folkard Wittrock, Christian von Savigny, John P. Burrows, Annette Ladstaetter-Weissenmayer, Hani Moubasher, Atmos. Environ., 45 (6), pp. 1223-1235, 2011.
134. Stock, M., Cheng, Y.F, Birmili, W., Massling, A, Wehner, Müller, T., Leinert, S., Kalivitis, N., Mihalopoulos, N., Wiedensohler, A. Hygroscopic properties of atmospheric aerosol particles over the Eastern Mediterranean: Implications for regional direct radiative forcing under clean and polluted conditions, Atmospheric Chemistry and Physics , 11 (9), pp. 4251-4271, 2011.
135. Engelhart, G.J., Hildebrandt, L., Kostenidou, E., Mihalopoulos, N., Donahue, N.M., Pandis, S.N., Water content of aged aerosol, Atmospheric Chemistry and Physics, 11 (3), pp. 911-920, 2011.
136. S. Myriokefalitakis, K. Tsigaridis, N. Mihalopoulos, J. Sciare, A. Nenes, A. Segers, and M. Kanakidou In-cloud oxalate formation in the global troposphere: a 3-D modeling study, Atmospheric Chemistry and Physics, 11 (12), pp. 5761-5782, 2011.
137. Ždímal, V., Smolík, J., Eleftheriadis, K., Wagner, Z, Housiadas, C., Mihalopoulos, N., Mikuška, P., Večeřa, Z., Kopanakis, I. , Lazaridis, M., Dynamics of atmospheric aerosol number size distributions in the eastern Mediterranean during the "sUB-AERO" project, Water, Air, and Soil Pollution 214 (1-4), pp. 133-146, 2011.
138. Nenes, A., Krom, M.D., Mihalopoulos, N., Van Cappellen, P., Shi, Z., Bougiatioti, A , Zarmas, P, Herut, B., Atmospheric acidification of mineral aerosols: A source of bioavailable phosphorus for the oceans, Atmospheric Chemistry and Physics 11 (13), pp. 6265-6272, 2011.
139. Asmi, A., Wiedensohler, A., Laj, P., Fjaeraa, A.-M., Sellegri, K., Birmili, W., Weingartner, E., Baltensperger, U., Zdimal, V., Zikova, N., Putaud, J.-P.h, Marinoni, A., Tunved, P., Hansson, H.-C., Fiebig, M., Kivekäs, N., Lihavainen, H., Asmi, E., Ulevicius, V., Aalto, P.P., Swietlicki, E., Kristensson, A., Mihalopoulos, N., Kalivitis, N., Kalapov, I., Kiss, G., De Leeuw, G., Henzing, B., Harrison, R.M., Beddows, D., O'Dowd, C., Jennings, S.G., Flentje, H., Weinhold, K., Meinhardt, F., Ries, L., Kulmala, M., Number size distributions and seasonality of submicron particles in Europe 2008-2009, Atmospheric Chemistry and Physics 11 (11), pp. 5505-5538
140. Séguret, M.J.M., Koçak, M., Theodosi, C., Ussher, S.J., Worsfold, P.J., Herut, B., Mihalopoulos, N., Kubilay, N., Nimmo, M., Iron solubility in crustal and anthropogenic aerosols: The Eastern Mediterranean as a case study, Marine Chemistry, 126, pp. 229-238, 2011.
141. Violaki, K., and Mihalopoulos N*, Urea: An important piece of Water Soluble Organic Nitrogen (WSO) over the Eastern Mediterranean, Science of the Total Environment, 409, 22, pp 4796-4801, 2011.

142. Nikolaos Kalivitis; Aekaterini Bougiatioti; Giorgos Kouvarakis and Nikolaos Mihalopoulos*, "Long term measurements of atmospheric aerosol optical properties in the Eastern Mediterranean", Atmospheric Research, 102 (3), pp. 351-357, 2011.

143. Koçak, M., Theodosi, C., Zarmas, P., Im, U., Bougiatioti, A., Yenigun, O., Mihalopoulos, N*. Particulate matter (PM10) in Istanbul: Origin, source areas and potential impact on surrounding regions, Atmos. Environ., 45 (38), pp. 6891-6900, 2011.

144. Bougiatioti, A., Nenes, A., Fountoukis, C., Kalivitis, N., Pandis, S.N., Mihalopoulos, N*. Size-resolved CCN distributions and activation kinetics of aged continental and marine aerosol, Atmospheric Chemistry and Physics, 11 (16) , pp. 8791-8808, 2011.

145. Theodosi, C., Grivas, G., Zarmas, P., Chaloulakou, A., Mihalopoulos, N*. Mass and chemical composition of size-segregated aerosols (PM1, PM2.5, PM10) over Athens, Greece: Local versus regional sources, Atmospheric Chemistry and Physics, 11 (22) , pp. 11895-11911, 2011.

146. Hildebrandt, L., Kostenidou, E., Lanz, V.A., Prevot, A.S.H., Baltensperger, U., Mihalopoulos, N., Laaksonen, A., Donahue, N.M., Pandis, S.N., Sources and atmospheric processing of organic aerosol in the Mediterranean: Insights from aerosol mass spectrometer factor analysis, Atmospheric Chemistry and Physics, 11 (23) , pp. 12499-12515, 2011.

147. Reddington, C.L., Carslaw, K.S., Spracklen, D.V., Frontoso, M.G., Collins, L., Merikanto, J., Minikin, A., Hamburger, T., Coe, H., Kulmala, M., Aalto, P., Flentje, H., Plass-Dülmer, C., Birmili, W., Wiedensohler, A., Wehner, B., Tuch, T., Sonntag, A., O'Dowd, C.D., Jennings, S.G., Dupuy, R., Baltensperger, U., Weingartner, E., Hansson, H.-C., Tunved, P., Laj, P., Sellegri, K., Boulon, J., Putaud, J.-P., Gruening, C., Świetlicki, E., Roldin, P., Henzing, J.S., Moerman, M., Mihalopoulos, N., Kouvarakis, G., Ždímal, V., Zíková, N., Marinoni, A., Bonasoni, P., Duchi, R., Primary versus secondary contributions to particle number concentrations in the European boundary layer, Atmospheric Chemistry and Physics, 11 (23) , pp. 12007-12036, 2011.

148. N. Benas, N. Hatzianastassiou, C. Matsoukas, A. Fotiadi, N. Mihalopoulos, and I. Vardavas, Aerosol shortwave daily radiative effect and forcing based on MODIS Level 2 data in the Eastern Mediterranean (Crete), Atmos. Chem. Phys., 11 (24) , pp. 12647-12662, 2011.

2012

149. Amiridis, V., Zerefos, C., Kazadzis, S., Gerasopoulos, E., Eleftheratos, K., Vrekoussis, M., Stohl, A., Mamouri, R.E., Kokkalis, P., Papayannis, A., Eleftheriadis, K., Diapouli, E., Keramitsoglou, I., Kontoes, C., Kotroni, V., Lagouvardos, K., Marinou, E., Giannakaki, E., Kostopoulou, E., Giannakopoulos, C., Richter, A., Burrows, J.P., Mihalopoulos, N., Impact of the 2009 Attica wild fires on the air quality in urban Athens, Atmos. Environ., Volume 46, Pages 536-544, January 2012.

150. Kopanakis, I., Eleftheriadis, K., Mihalopoulos, N., Lydakis-Simantiris, N., Katsivela, E., Pentari, D., Zarmas, P., Lazaridis, M., Physico-chemical characteristics of particulate matter in the Eastern Mediterranean, Atmospheric Research, Volume 106, Pages 93-107 , 2012.

151. Im, U., Markakis, K., Koçak, M., Gerasopoulos, E., Daskalakis, N., Mihalopoulos, N., Poupkou, A., Kindap, T., Unal, A., Kanakidou, M., Summertime aerosol chemical composition in the Eastern Mediterranean and its sensitivity to temperature, Atmos. Environ., Volume 50, Pages 164-173, 2012.

152. St. Pateraki, V.D. Assimakopoulos, A. Bougiatioti, G. Kouvarakis, N. Mihalopoulos, and Ch. Vasilakos, Carbonaceous and ionic compositional patterns of fine particles over an urban Mediterranean area, Science of the Total Environment, Volume 424, 1 May 2012, Pages 251-263.

153. Kalivitis, N., Stavroulas, I., Bougiatioti, A., Kouvarakis, G., Gagné, S., Manninen, H.E., Kulmala, M., Mihalopoulos, N.*, Night-time enhanced atmospheric ion concentrations in the marine boundary layer, Atmospheric Chemistry and Physics, 12, 1–12, 2012, www.atmos-chem-phys.net/12/1/2012/, doi:10.5194/acp-12-1-2012.

154. Shi, Z., Krom, M., Jickells, T., Bonneville, S., Carslaw, K.S., Mihalopoulos, N., Baker, A.R., Benning, L.G., 2012. Impacts on iron solubility in the mineral dust by processes in the source region and the atmosphere: A review. Aeolian Research, 21-42, <http://dx.doi.org/10.1016/j.aeolia.2012.03.001>.

155. M. Koçak, C. Theodosi, P. Zarnpas, M.J.M., Séguret, B. Herut, G. Kallos, N. Mihalopoulos, N. Kubilay and M. Nimmo, Influence of mineral dust transport on the chemical composition and physical properties of the Eastern Mediterranean aerosol, Atmos. Environ., Volume 57, September 2012, Pages 266-277.

156. Pikridas, M., Riipinen, I., Hildebrandt, L., Kostenidou, E., Manninen, H., Mihalopoulos, N., Kalivitis, N., Burkhardt, J.F., Stohl, A., Kulmala, M., Pandis, S.N, New particle formation at a remote site in the eastern Mediterranean, Journal of Geophysical Research, Volume 117, Issue 12, 2012, Article number D12205.

157. Papadimas, C.D., Hatzianastassiou, N., Matsoukas, C., Kanakidou, M., Mihalopoulos, N., Vardavas, I., The direct effect of aerosols on solar radiation over the broader Mediterranean basin, Atmospheric Chemistry and Physics, 2012, 12, 7165. <http://www.atmos-chem-phys.net/12/7165/2012/>

158. Gerasopoulos, E.*, Kazadzis, S., Vrekoussis, M., Kouvarakis, G., Liakakou, E., Kouremeti, N., Giannadaki, D., Kanakidou, M., Bohn, B., Mihalopoulos, N.* Factors affecting O₃ and NO₂ photolysis frequencies measured in the Eastern Mediterranean during the five year period 2002-2006, Journal of Geophysical Research, 117 (22) , art. no. D22305, 2012.

2013

159. C. Theodosi, S. Stavrakakis, F. Koulaki, I. Stavrakaki, S. Moncheva, E. Papathanasiou, A. Sanchez-Vidal, M. Koçak, N. Mihalopoulos*, The significance of atmospheric inputs of major and trace metals to the Black Sea, Journal of Marine Systems, Volume 109-110, 94-102, 2013.

160. Remoundaki, E., Kassomenos, P., Mantas, E., Mihalopoulos, N. and Tsezos, M., Composition and mass closure of PM_{2.5} in urban environment (Athens, Greece) (manuscript ID: AAQR-12-03-OA-0054.R1), Aerosol and Air Quality Research, Volume 13, 1, 72-82, 2013.

- 161.** Christodoulaki, S., Petihakis, G., Kanakidou, M., Mihalopoulos, N., Tsiaras, K., Triantafyllou, G., Atmospheric deposition in the eastern Mediterranean. A driving force for ecosystem dynamics, Journal of Marine Systems, doi: 10.1016/j.jmarsys.2012.07.007.
- 162.** A. Bougiatioti, P. Zampas, E. Koulouri, M. Antoniou, C. Theodosi, G. Kouvarakis, S. Saarikoski, T. Mäkelä, R. Hillamo and N. Mihalopoulos*, Organic, elemental and water-soluble organic carbon in size segregated aerosols, in the marine boundary layer of the Eastern Mediterranean, Atmos. Environ., Volume 64, 251-262, 2013.
- 163.** Im, U., Christodoulaki, S., Violaki, K., Zampas, P., Kocak, M., Daskalakis, N., Mihalopoulos, N., Kanakidou, M., Atmospheric deposition of nitrogen and sulfur over southern Europe with focus on the Mediterranean and the Black Sea, Atmos. Environ., Volume 81, Pages 660-670, 2013.
- 164.** Hood, R.R., Drinkwater, K.F., Mihalopoulos, N., Introduction: Large-scale regional comparisons of marine biogeochemistry and ecosystem processes - Research approaches and results (Editorial), Journal of Marine Systems, Volume 109-110, 1-3, 2013.
- 165.** Vrekoussis, M., Richter, A., Hilboll, A., Burrows, J.P., Gerasopoulos, E., Lelieveld, J., Barrie, L., Zerefos, C., Mihalopoulos, N., Economic crisis detected from space: Air quality observations over Athens/Greece, Geophysical Research Letters, Volume 40, 2, 458-463, 2013.
- 166.** Raatikainen, T., Nenes, A., Seinfeld, J.H., Morales, R., Moore, R.H., Latham, T.L., Lance, S., Padró, L.T., Lin, J.J., Cerully, K.M., Bougiatioti, A., Cozic, J., Ruehl, C.R., Chuang, P.Y., Anderson, B.E., Flagan, R.C., Jonsson, H., Mihalopoulos, N., Smith, J.N., Worldwide data sets constrain the water vapor uptake coefficient in cloud formation, Proceedings of the National Academy of Sciences of the United States of America, Volume 110, 10, 3760-3764, 2013.
- 167.** Collaud Coen M., E. Andrews, A. Asmi, U. Baltensperger, N. Bukowiecki, D. Day, M. Fiebig, A. M. Fjaeraa, H. Flentje, A. Hyvärinen, A. Jefferson, S. G. Jennings, G. Kouvarakis, H. Lihavainen, C. Lund Myhre, W. C. Malm, N. Mihalopoulos, J. V. Molnar, C. O'Dowd, J. A. Ogren, B. A. Schichtel, P. Sheridan, A. Virkkula, E. Weingartner, R. Weller, and P. Laj, Aerosol decadal trends – Part 1: In-situ optical measurements at GAW and IMPROVE stations, Atmos. Chem. Phys., 13, 869-894, 2013.
- 168.** Benas N., E. Mourtzanou, G. Kouvarakis, A. Bais, N. Mihalopoulos, I. Vardavas, Surface Ozone Photolysis Rate Trends in the Eastern Mediterranean: Modeling the Effects of Aerosols and Total Column Ozone based on Terra MODIS Data, Atmospheric Environment, doi: 10.1016/j.atmosenv.2013.03.019, 2013.
- 169.** A. Gkikas, N. Hatzianastassiou, N. Mihalopoulos, V. Katsoulis, S. Kazadzis, G. Pey, X. Querol, O. Torres, The regime of desert dust episodes in the Mediterranean based on contemporary satellite observations and ground measurements, Atmos. Chem. Phys., 13, 12135-12154, 2013.
- 170.** Bressi, M., Sciare, J., Ghersi, V., Bonnaire, N., Nicolas, J.B., Petit, J.-E., Moukhtar, S., Rosso, A., Mihalopoulos, N., Féron, A., A one-year comprehensive chemical characterisation of fine aerosol (PM_{2.5}) at urban, suburban and rural background sites in the region of Paris (France), Atmospheric Chemistry and Physics, Volume 13, Issue 15, Pages 7825-7844, 2013.

171. Theodosi, C., Parinos, C., Gogou, A., Kokotos, A., Stavrakakis, S., Lykousis, V., Hatzianestis, J., Mihalopoulos, N*, Downward fluxes of elemental carbon, metals and polycyclic aromatic hydrocarbons in settling particles from the deep Ionian Sea (NESTOR site), Eastern Mediterranean, Biogeosciences, Volume 10, Issue 7, Pages 4449-4464, 2013.

2014

172. Christodoulos Pilinis, Panagiotis E. Charalampidis, Nikolaos Mihalopoulos and Spyros N. Pandis, Contribution of Particulate Water to the Measured Aerosol Optical Properties of Aged Aerosol, Atmospheric Environment, 82, 144-153, 2014.

173. Mantas, E., Remoundaki, E., Halari, I., Kassomenos, P., Theodosi, C., Hatzikioseyan, A., Mihalopoulos, N., 2014, Mass closure and source apportionment of PM_{2.5} by Positive Matrix Factorization analysis in urban Mediterranean environment, Atmospheric Environment 94, 2014, 154-163, 2014.

174. Longo, A.F., Ingall, E.D., Diaz, J.M., Oakes, M., King, L.E., Nenes, A., Mihalopoulos, N., Violaki, K., Avila, A., Benitez-Nelson, C.R., Brandes, J., McNulty, I., Vine, D.J., 2014, P-NEXFS analysis of aerosol phosphorus delivered to the Mediterranean Sea, GRL, 41, 4043-4049, 2014.

175.4. Zanis, P., Hadjinicolaou, P., Pozzer, A., Tyrllis, E., Dafka, S., Mihalopoulos, N., Lelieveld, J., 2014, Summertime free-tropospheric ozone pool over the eastern Mediterranean/middle east, Atmos. Chem and Phys., 14, 115-132, 2014.

176. Ozdemir, H., Pozzoli, L., Kindap, T.a, Demir, G.b, Mertoglu, B., Mihalopoulos, N., Theodosi, C., Kanakidou, M.e, Im, U.ef, Unal, A., Spatial and temporal analysis of black carbon aerosols in Istanbul megacity, Sci. Tot. Environ., 473, 451-458, 2014.

177. Kleanthous, S., Vrekoussis, M., Mihalopoulos, N., Kalabokas, P., Lelieveld, J., On the temporal and spatial variation of ozone in Cyprus, Sci. Tot. Environ., Volume 476-477, 677-687, 2014.

178. Beddows, D.C.S., Dall'Osto, M., Harrison, R.M., Kulmala, M., Asmi, A., Wiedensohler, A., Laj, P., Fjaeraa, A.M., Sellegri, K., Birmili, W., Bukowiecki, N., Weingartner, E., Baltensperger, U., Zdimal, V., Zikova, N., Putaud, J.P., Marinoni, A., Tunved, P., Hansson, H.-C., Fiebig, M., Kivekäs, N., Swietlicki, E., Lihavainen, H., Asmi, E., Ulevicius, V., Aalto, P.P., Mihalopoulos, N., Kalivitis, N., Kalapov, I., Kiss, G., Denier Van Der Gon, H.A.C., Visschedijk, A.J.H. Variations in tropospheric submicron particle size distributions across the European continent 2008-2009, Atmos. Chem. and Phys., Volume 14, Issue 8, Pages 4327-4348, 2014.

179. Pateraki, S., Asimakopoulos, D.N., Bougiatioti, A., Maggos, T., Vasilakos, C., Mihalopoulos, N., Assessment of PM_{2.5} and PM₁ chemical profile in a multiple-impacted Mediterranean urban area: Origin, sources and meteorological dependence, Sci. Tot. Environ., Volume 479-480, Issue 1, Pages 210-220, 2014.

180. Mann, G.W., Carslaw, K.S., Reddington, C.L., Pringle, K.J., Schulz, M., Asmi, A., Spracklen, D.V., Ridley, D.A., Woodhouse, M.T., Lee, L.A., Zhang, K., Ghan, S.J., Easter,

R.C., Liu, X., Stier, P., Lee, Y.H., Adams, P.J., Tost, H., Lelieveld, J., Bauer, S.E., Tsigaridis, K., Van Noije, T.P.C., Strunk, A., Vignati, E., Bellouin, N., Dalvi, M., Johnson, C.E., Bergman, T., Kokkola, H., Von Salzen, K., Yu, F., Luo, G., Petzold, A., Heintzenberg, J., Clarke, A., Ogren, J.A., Gras, J., Baltensperger, U., Kaminski, U., Jennings, S.G., O'Dowd, C.D., Harrison, R.M., Beddows, D.C.S., Kulmala, M., Viisanen, Y., Ulevicius, V., Mihalopoulos, N., Zdimal, V., Fiebig, M., Hansson, H.-C., Swietlicki, E., Henzing, J.S., Intercomparison and evaluation of global aerosol microphysical properties among AeroCom models of a range of complexity, *Atmos. Chem. and Phys.*, Volume 14, Issue 9, Pages 4679-4713, 2014.

181. Bougiatioti, A., Stavroulas, I., Kostenidou, E., Zarrmpas, P., Theodosi, C., Kouvarakis, G., Canonaco, F., Prévôt, A.S.H., Nenes, A., Pandis, S.N., Mihalopoulos, N.*., Processing of biomass-burning aerosol in the eastern Mediterranean during summertime, *Atmos. Chem and Phys.*, Volume 14, Issue 9, Pages 4793-4807, 2014.

182. Bressi, M., Sciare, J., Gherzi, V., Mihalopoulos, N., Petit, J.-E., Nicolas, J.B., Moukhtar, S., Rosso, A., Féron, A., Bonnaire, N., Poulakis, E., Theodosi, C., Sources and geographical origins of fine aerosols in Paris (France), *Atmos. Chem. and Phys.*, Volume 14, Issue 16, Pages 8813-8839, 2014.

183. Paraskevopoulou, D., Liakakou, E., Gerasopoulos, E., Theodosi, C., Mihalopoulos, N.*., Long-term characterization of organic and elemental carbon in the PM_{2.5} fraction: The case of Athens, Greece, *Atmos. Chem. and Phys.*, Volume 14, Issue 23, Pages 13313-13325, 2014.

184. Tsigaridis, K., Daskalakis, N., Kanakidou, M., Adams, P.J., Artaxo, P., Bahadur, R., Balkanski, Y., Bauer, S.E., Bellouin, N., Benedetti, A., Bergman, T., Berntsen, T.K., Beukes, J.P., Bian, H., Carslaw, K.S., Chin, M., Curci, G., Diehl, T., Easter, R.C., Ghan, S.J., Gong, S.L., Hodzic, A., Hoyle, C.R., Iversen, T., Jathar, S., Jimenez, J.L., Kaiser, J.W., Kirkevåg, A., Koch, D., Kokkola, H., H Lee, Y., Lin, G., Liu, X., Luo, G., Ma, X., Mann, G.W., Mihalopoulos, N., Morcrette, J., Müller, J.-F., Myhre, G., Myriokefalitakis, S., Ng, N.L., O'Donnell, D., Penner, J.E., Pozzoli, L., Pringle, K.J., Russell, L.M., Schulz, M., Sciare, J., Seland, Ø., Shindell, D.T., Sillman, S., Skeie, R.B., Spracklen, D., Stavrakou, T., Steenrod, S.D., Takemura, T., Tiitta, P., Tilmes, S., Tost, H., Van Noije, T., Van Zyl, P.G., Von Salzen, K., Yu, F., Wang, Z., Wang, Z., Zaveri, R.A., Zhang, H., Zhang, K., Zhang, Q., Zhang, X., The AeroCom evaluation and intercomparison of organic aerosol in global models, *Atmos. Chem. and Phys.*, Volume 14, Issue 19, Pages 10845-10895, 2014.

2015

185. Gkikas, A., Houssos, E.E., Lolis, C.J., Bartzokas, A., Mihalopoulos, N., Hatzianastassiou, N., Atmospheric circulation evolution related to desert-dust episodes over the Mediterranean, *Quarterly Journal of the Royal Meteorological Society*, Volume 141, Issue 690, Pages 1634-1645, 2015.

186. Ostro, B., Tobias, A., Karanasiou, A., Samoli, E., Querol, X., Rodopoulou, S., Basagaña, X., Eleftheriadis, K., Diapouli, E., Vratolis, S., Jacquemin, B., Katsouyanni, K., Sunyer, J., Forastiere, F., ..., Mihalopoulos, N., et al., The risks of acute exposure to black carbon in Southern Europe: Results from the med-particles project, *Occupational and Environmental Medicine*, Volume 72, Issue 2, Pages 123-129, 2015.

187. Pavuluri, C.M., Kawamura, K., Mihalopoulos, N., Fu, P., Characteristics, seasonality and sources of inorganic ions and trace metals in north-east asian aerosols, *Environmental Chemistry*, Volume 12, Issue 3, 2015, Pages 338-349, 2015.
188. Tombrou, M., Bossioli, E., Kalogiros, J., Allan, J.D., Bacak, A., Biskos, G., Coe, H., Dandou, A., Kouvarakis, G., Mihalopoulos, N., Percival, C.J., Protonotariou, A.P., Szabó-Takács, B., Physical and chemical processes of air masses in the Aegean Sea during Etesians: Aegean-GAME airborne campaign, *Science of the Total Environment*, Volume 506-507, Pages 201-216, 2015.
189. Poulakis, E., Theodosi, C., Bressi, M., Sciare, J., Ghersi, V., Mihalopoulos, N*, Airborne mineral components and trace metals in Paris region: spatial and temporal variability, *Environmental Science and Pollution Research*, Volume 22, Issue 19, Pages 14663-14672, 2015.
190. Violaki, K., Sciare, J., Williams, J., Baker, A.R., Martino, M., Mihalopoulos, N*, Atmospheric water-soluble organic nitrogen (WSON) over marine environments: A global perspective, *Biogeosciences*, Volume 12, Issue 10, Pages 3131-3140, 2015.
191. Myriokefalitakis, S., Daskalakis, N., Mihalopoulos, N., Baker, A.R., Nenes, A., Kanakidou, M., Changes in dissolved iron deposition to the oceans driven by human activity: a 3-D global modelling study, *Biogeosciences*, Volume 12, Issue 13, Pages 3973-3992, 2015.
192. Pavuluri, C.M., Kawamura, K., Mihalopoulos, N., Swaminathan, T., Laboratory photochemical processing of aqueous aerosols: Formation and degradation of dicarboxylic acids, oxocarboxylic acids and α -dicarbonyls, *Atmospheric Chemistry and Physics*, Volume 15, Issue 14, Pages 7999-8012, 2015.
193. Athanasopoulou, E., Protonotariou, A.P., Bossioli, E., Dandou, A., Tombrou, M., Allan, J.D., Coe, H., Mihalopoulos, N., Kalogiros, J., Bacak, A., Sciare, J., Biskos, G., Aerosol chemistry above an extended archipelago of the eastern Mediterranean basin during strong northern winds, *Atmospheric Chemistry and Physics*, Volume 15, Issue 14, Pages 8401-8421, 2015.
194. Kalivitis, N., Kerminen, V.-M., Kouvarakis, G., Stavroulas, I., Bougiatioti, A., Nenes, A., Manninen, H.E., Petäjä, T., Kulmala, M., Mihalopoulos, N., Atmospheric new particle formation as a source of CCN in the eastern Mediterranean marine boundary layer, *Atmospheric Chemistry and Physics*, Volume 15, Issue 16, Pages 9203-9215, 2015.
195. Paraskevopoulou, D., Liakakou, E., Gerasopoulos, E., Mihalopoulos, N*, Sources of atmospheric aerosol from long-term measurements (5years) of chemical composition in Athens, Greece, *Science of the Total Environment*, Volume 527-528, Pages 165-178, 2015.
196. Koçak, M., Mihalopoulos, N., Tutsak, E., Theodosi, C., Zarmas, P., Kalegeri, P., PM10 and PM2.5 composition over the Central Black Sea: origin and seasonal variability, *Environmental Science and Pollution Research*, Volume 22, Issue 22, Pages 18076-18092, 2015.
197. Paramonov, M., Kerminen, V.-M., Gysel, M., Aalto, P.P., ..., Martin, S.T., McFiggans, G., Mihalopoulos, N., et al., A synthesis of cloud condensation nuclei counter (CCNC)

measurements within the EUCAARI network, *Atmospheric Chemistry and Physics*, Volume 15, Issue 21, Pages 12211-12229, 2015.

2016

198. Herut, B. Rahav, E. Tsagaraki, T.M., Giannakourou, A., Tsiola, A. Psarra, S., Lagaria, A., Papageorgiou, N., Mihalopoulos, N., Theodosi, C.N., Violaki, K., Stathopoulou, E., Scoullou, M., Krom, M.D., Stockdale, A., Shi, Z., Berman-Frank, I., Meador, T.B., Tanaka, T., Paraskevi, P., The potential impact of Saharan dust and polluted aerosols on microbial populations in the East Mediterranean Sea, an overview of a mesocosm experimental approach, *Frontiers in Marine Science*, Volume 3, Issue NOV, 2016, Article number 226.

199. Mara, P., Psarra, S., Tselepidis, A., Eleftheriou, A., Mihalopoulos, N., Influence of phytoplankton taxonomic profile on the distribution of total and dissolved dimethylated sulphur (DMS_x) species in the North Aegean Sea (Eastern Mediterranean), *Mediterranean Marine Science*, Volume 17, Issue 1, 20 January 2016, Pages 65-79.

200. Triantafyllou, E., Giamarelou, M., Bossioli, E., Zarmpas, P., Theodosi, C., Matsoukas, C., Tombrou, M., Mihalopoulos, N., Biskos, G., Particulate pollution transport episodes from Eurasia to a remote region of northeast Mediterranean, *Atmospheric Environment*, Volume 128, March 01, 2016, Pages 45-52.

201. Gkikas, A.a, Hatzianastassiou, N., Mihalopoulos, N., Torres, O., Characterization of aerosol episodes in the greater Mediterranean Sea area from satellite observations (2000-2007), *Atmospheric Environment*, Volume 128, March 01, 2016, Pages 286-304.

202. Christodoulaki, S., Petihakis, G., Mihalopoulos, N., Tsiaras, K., Triantafyllou, G., Kanakidou, M., Human-driven atmospheric deposition of N and P controls on the east Mediterranean marine ecosystem, *Journal of the Atmospheric Sciences*, Volume 73, Issue 4, 1 April 2016, Pages 1611-1619.

203. Koçak, M., Mihalopoulos, N., Tutsak, E., Violaki, K., Theodosi, C., Zarmpas, P., Kalegeri, P., Atmospheric deposition of macronutrients (dissolved inorganic nitrogen and phosphorous) onto the Black Sea and implications on marine productivity, *Journal of the Atmospheric Sciences*, Volume 73, Issue 4, 1 April 2016, Pages 1727-1739.

204. Pfeifer, S., Müller, T., Weinhold, K., Zikova, N., Dos Santos, S.M., Marinoni, A., Bischof, O.F., Kykal, C., Ries, L., Meinhardt, F., Aalto, P., Mihalopoulos, N., Wiedensohler, A., Intercomparison of 15 aerodynamic particle size spectrometers (APS 3321): Uncertainties in particle sizing and number size distribution, *Atmospheric Measurement Techniques*, Volume 9, Issue 4, 7 April 2016, Pages 1545-1551.

205. Bougiatioti, A., Nikolaou, P., Stavroulas, I., Kouvarakis, G., Weber, R., Nenes, A., Kanakidou, M., Mihalopoulos, N., Particle water and pH in the eastern Mediterranean: Source variability and implications for nutrient availability, *Atmospheric Chemistry and Physics*, Volume 16, Issue 7, 13 April 2016, Pages 4579-4591.

206. Bossioli, E., Tombrou, M., Kalogiros, J., Allan, J., Bacak, A., Bezantakos, S., Biskos, G., Coe, H., Jones, B.T., Kouvarakis, G., Mihalopoulos, N., Percival, C.J., Atmospheric composition in the Eastern Mediterranean: Influence of biomass burning during summertime

using the WRF-Chem model, Atmospheric Environment, Volume 132, May 01, 2016, Pages 317-331.

207. Kanakidou, M., Myriokefalitakis, S., Daskalakis, N., Fanourgakis, G., Nenes, A., Baker, A.R., Tsigaridis, K., Mihalopoulos, N., Past, present, and future atmospheric nitrogen deposition, Journal of the Atmospheric Sciences, Volume 73, Issue 5, 1 May 2016, Pages 2039-2047.

208. Piazzola, J., Mihalopoulos, N., Canepa, E., Tedeschi, G., Prati, P., Zarmas, P., Bastianini, M., Missamou, T., Cavaleri, L., Characterization of aerosols above the Northern Adriatic Sea: Case studies of offshore and onshore wind conditions, Atmospheric Environment, Volume 132, 1 May 2016, Pages 153-162.

209. Alastuey, A., Querol, X., Aas, W., Lucarelli, F., Pérez, N., Moreno, T., Cavalli, F., Areskoug, H., Balan, V., Catrambone, M., Ceburnis, D., Cerro, J.C., Conil, S., Gevorgyan, L., Hueglin, C., Imre, K., Jaffrezo, J.-L., Leeson, S.R., Mihalopoulos, N., Mitosinkova, M., O'Dowd, C.D., Pey, J., Putaud, J.-P., Riffault, V., Ripoll, A., Sciare, J., Sellegri, K., Spindler, G., Espen Yttri, K., Geochemistry of PM10 over Europe during the EMEP intensive measurement periods in summer 2012 and winter 2013, Atmospheric Chemistry and Physics, Volume 16, Issue 10, 19 May 2016, Pages 6107-6129.

210. Gratsea, M., Vrekoussis, M., Richter, A., Wittrock, F., Schönhardt, A., Burrows, J., Kazadzis, S., Mihalopoulos, N., Gerasopoulos, E., Slant column MAX-DOAS measurements of nitrogen dioxide, formaldehyde, glyoxal and oxygen dimer in the urban environment of Athens, Atmospheric Environment, Volume 135, June 01, 2016, Pages 118-131.

211. Bougiatioti, A., Bezantakos, S., Stavroulas, I., Kalivitis, N., Kokkalis, P., Biskos, G., Mihalopoulos, N., Papayannis, A., Nenes, A., Biomass-burning impact on CCN number, hygroscopicity and cloud formation during summertime in the eastern Mediterranean, Atmospheric Chemistry and Physics, Volume 16, Issue 11, 14 June 2016, Pages 7389-7409.

212. Kopanakis, I., Glytsos, T., Kouvarakis, G., Gerasopoulos, E., Mihalopoulos, N., Lazaridis, M., Variability of ozone in the Eastern Mediterranean during a 7-year study, Air Quality, Atmosphere and Health, Volume 9, Issue 5, 1 July 2016, Pages 461-470.

213. Longo, A.F., Feng, Y., Lai, B., Landing, W.M., Shelley, R.U., Nenes, A., Mihalopoulos, N., Violaki, K., Ingall, E.D., Influence of Atmospheric Processes on the Solubility and Composition of Iron in Saharan Dust, Environmental Science and Technology, Volume 50, Issue 13, 5 July 2016, Pages 6912-6920.

214. Violaki, K., Fang, T., Mihalopoulos, N., Weber, R., Nenes, A., Real-Time, Online Automated System for Measurement of Water-Soluble Reactive Phosphate Ions in Atmospheric Particles, Analytical Chemistry, Volume 88, Issue 14, 19 July 2016, Pages 7163-7170.

215. Bohn, B., Heard, D.E., Mihalopoulos, N., Plass-Dülmer, C., Schmitt, R., Whalley, L.K., Characterisation and improvement of j(O1D) filter radiometers, Atmospheric Measurement Techniques, Volume 9, Issue 7, 29 July 2016, Pages 3455-3466.

216. Athanasopoulou, E., Protonotariou, A., Papangelis, G., Tombrou, M., Mihalopoulos, N., Gerasopoulos, E., Long-range transport of Saharan dust and chemical transformations over the Eastern Mediterranean, Atmospheric Environment, Volume 140, 1 September 2016, Pages 592-604.

217. Founda, D., Kazadzis, S., Mihalopoulos, N., Gerasopoulos, E., Lianou, M., Raptis, P.I., Long-term visibility variation in Athens (1931-2013): A proxy for local and regional atmospheric aerosol loads, Atmospheric Chemistry and Physics, Volume 16, Issue 17, 12 September 2016, Pages 11219-11236.

218. Cavalli, F., Alastuey, A., Areskou, H., Ceburnis, D., Čech, J., Genberg, J., Harrison, R.M., Jaffrezo, J.L., Kiss, G., Laj, P., Mihalopoulos, N., Perez, N., Quincey, P., Schwarz, J., Sellegri, K., Spindler, G., Swietlicki, E., Theodosi, C., Yttri, K.E., Aas, W., Putaud, J.P., A European aerosol phenomenology -4: Harmonized concentrations of carbonaceous aerosol at 10 regional background sites across Europe, Atmospheric Environment, Volume 144, 1 November 2016, Pages 133-145.

219. Zanatta, M., Gysel, M., Bukowiecki, N., Müller, T.c, Weingartner, E., Areskou, H., Fiebig, M., Yttri, K.E., Mihalopoulos, N., Kouvarakis, G., Beddows, D., Harrison, R.M., Cavalli, F., Putaud, J.P., Spindler, G., Wiedensohler, A., Alastuey, A., Pandolfi, M., Sellegri, K., Swietlicki, E., Jaffrezo, J.L., Baltensperger, U., Laj, P., A European aerosol phenomenology-5: Climatology of black carbon optical properties at 9 regional background sites across Europe, Atmospheric Environment, Volume 145, 1 November 2016, Pages 346-364.

220. Myriokefalitakis, S., Nenes, A., Baker, A.R., Mihalopoulos, N., Kanakidou, M., Bioavailable atmospheric phosphorous supply to the global ocean: A 3-D global modeling study, Biogeosciences, Volume 13, Issue 24, 15 December 2016, Pages 6519-6543.

2017

221. Fourtziou, L., Liakakou, E., Stavroulas, I., Theodosi, C., Zarmas, P., Psiloglou, B., Sciare, J., Maggos, T., Bairachtari, K., Bougiatioti, A., Gerasopoulos, E., Sarda-Estève, R., Bonnaire, N., Mihalopoulos, N.*., Multi-tracer approach to characterize domestic wood burning in Athens (Greece) during wintertime, Atmospheric Environment, Volume 148, 1 January 2017, Pages 89-101.

222. 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., Tombrou, M., New particle formation in the southern Aegean Sea during the Etesians: Importance for CCN production and cloud droplet number, Atmospheric Chemistry and Physics, Volume 17, Issue 1, 4 January 2017, Pages 175-192.

223. Tsekeri, A., Amiridis, V., Marenco, F., Nenes, A., Marinou, E., Solomos, S., Rosenberg, P., Trembath, J., Nott, G.J., Allan, J., Le Breton, M., Bacak, A., Coe, H., Percival, C., Mihalopoulos, N., Profiling aerosol optical, microphysical and hygroscopic properties in ambient conditions by combining in situ and remote sensing, Atmospheric Measurement Techniques, Volume 10, Issue 1, 6 January 2017, Pages 83-107.

224. Florou, K., Papanastasiou, D.K., Pikridas, M., Kaltsonoudis, C., Louvaris, E., Gkatzelis, G.I., Patoulias, D., Mihalopoulos, N., Pandis, S.N., The contribution of wood burning and other pollution sources to wintertime organic aerosol levels in two Greek cities, Atmospheric Chemistry and Physics, Volume 17, Issue 4, 1 March 2017, Pages 3145-3163.

225. Schmale, J., Henning, S., Henzing, B., Keskinen, H., Sellegri, K., Ovadnevaite, J., Bougiatioti, A., Kalivitis, N., Stavroulas, I., Jefferson, A., Park, M., Schlag, P., Kristensson, A., Iwamoto, Y., Pringle, K., Reddington, C., Aalto, P., Äijälä, M., Baltensperger, U., Bialek, J., Birmili, W., Bukowiecki, N., Ehn, M., Fjæraa, A.M., Fiebig, M., Frank, G., Fröhlich, R., Frumau, A., Furuya, M., Hammer, E., Heikkinen, L., Herrmann, E., Holzinger, R., Hyono, H., Kanakidou, M., Kiendler-Scharr, A., Kinouchi, K., Kos, G., Kulmala, M., Mihalopoulos, N., Motos, G., Nenes, A., O'Dowd, C., Paramonov, M., Petäjä, T., Picard, D., Poulain, L., Prévôt, A.S.H., Slowik, J., Sonntag, A., Swietlicki, E., Svenningsson, B., Tsurumaru, H., Wiedensohler, A., Wittbom, C., Ogren, J.A., Matsuki, A., Yum, S.S., Myhre, C.L., Carslaw, K., Stratmann, F., Gysel, M., Collocated observations of cloud condensation nuclei, particle size distributions, and chemical composition, Scientific Data, Volume 4, 14 March 2017, Article number 170003.

226. Gratsea, M., Liakakou, E., Mihalopoulos, N., Adamopoulos, A., Tsilibari, E., Gerasopoulos, E., The combined effect of reduced fossil fuel consumption and increasing biomass combustion on Athens' air quality, as inferred from long term CO measurements, Science of the Total Environment, Volume 592, 15 August 2017, Pages 115-123.

227. Theodosi C., Panagiotopoulos C., Nouara A., Zarmpas P., Nicolaou P., Violaki K., Kanakidou M., Sempéré R., Mihalopoulos N*, Sugars in atmospheric aerosols over the Eastern Mediterranean, Progress in Oceanography, Article in Press.

228. Violaki, K., Bourrin, F., Aubert, D., Kouvarakis, G., Delsaut, N., Mihalopoulos, N*, Organic phosphorus in atmospheric deposition over the Mediterranean Sea: An important missing piece of the phosphorus cycle, Progress in Oceanography, Article in Press.

229. Schrod, J., Weber, D., Drücke, J., Keleshis, C., Pikridas, M., Ebert, M., Cvetković, B., Nickovic, S., Marinou, E., Baars, H., Ansmann, A., Vrekoussis, M., Mihalopoulos, N., Sciare, J., Curtius, J., Bingemer, H.G., Ice nucleating particles over the Eastern Mediterranean measured by unmanned aircraft systems, Atmospheric Chemistry and Physics, Volume 17, Issue 7, 12 April 2017, Pages 4817-4835.

230. Pitta, P., Kanakidou, M., Mihalopoulos, N., Christodoulaki, S., Dimitriou, P.D., Frangoulis, C., Giannakourou, A., Kagiorgi, M., Lagaria, A., Nikolaou, P., Papageorgiou, N., Psarra, S., Santi, I., Tsapakis, M., Tsiola, A., Violaki, K., Petihakis, G., Saharan dust deposition effects on the microbial food web in the Eastern Mediterranean: A study based on a mesocosm experiment, Frontiers in Marine Science, Volume 4, Issue MAY, 2 May 2017, Article number 117.

231. Dandou, A., Tombrou, M., Kalogiros, J., Bossioli, E., Biskos, G., Mihalopoulos, N., Coe, H., Investigation of Turbulence Parametrization Schemes with Reference to the Atmospheric Boundary Layer Over the Aegean Sea During Etesian Winds, Boundary-Layer Meteorology, Volume 164, Issue 2, 1 August 2017, Pages 303-329.

232. Berland, K., Rose, C., Pey, J., Culot, A., Freney, E., Kalivitis, N., Kouvarakis, G., Cerro, J.C., Mallet, M., Sartelet, K., Beckmann, M., Bourriane, T., Roberts, G., Marchand, N., Mihalopoulos, N., Sellegri, K., Spatial extent of new particle formation events over the Mediterranean Basin from multiple ground-based and airborne measurements, Atmospheric Chemistry and Physics, Volume 17, Issue 15, 9 August 2017, Pages 9567-9583.

233. Athanasopoulou, E., Speyer, O., Brunner, D., Vogel, H., Vogel, B., Mihalopoulos, N., Gerasopoulos, E., Changes in domestic heating fuel use in Greece: Effects on atmospheric chemistry and radiation, Atmospheric Chemistry and Physics, Volume 17, Issue 17, 8 September 2017, Pages 10597-10618.

234. Tsekeri, A., Lopatin, A., Amiridis, V., Marinou, E., Iglhoffstein, J., Siomos, N., Solomos, S., Kokkalis, P., Engelmann, R., Baars, H., Gratsea, M., Raptis, P.I., Biniotoglou, I., Mihalopoulos, N., Kalivitis, N., Kouvarakis, G., Bartsotas, N., Kallos, G., Basart, S., Schuettmeyer, D., Wandinger, U., Ansmann, A., Chaikovsky, A.P., Dubovik, O., GARRLiC and LIRIC: Strengths and limitations for the characterization of dust and marine particles along with their mixtures, Atmospheric Measurement Techniques, Volume 10, Issue 12, 20 December 2017, Pages 4995-5016.

2018

235. Ricaud, P., Zbinden, R., Catoire, V., Brocchi, V., Dulac, F., Hamonou, E., Canonici, J.-C., El Amraoui, L., Massart, S., Pignatelli, B., Dayan, U., Nabat, P., Sciare, J., Ramonet, M., Delmotte, M., Di Sarra, A., Sferlazzo, D., Di Iorio, T., Piacentino, S., Cristofanelli, P., Mihalopoulos, N., Kouvarakis, G., Pikridas, M., Savvides, C., Mamouri, R.E., Nisantzi, A., Hadjimitsis, D., Attié, J.-L., Ferré, H., Kangah, Y., Jaidan, N., Guth, J., Jacquet, P., Chevrier, S., Robert, C., Bourdon, A., Bourdinot, J.-F., Etienne, J.-C., Krysztofiak, G., Theron, P. The GLAM airborne campaign across the Mediterranean Basin, Bulletin of the American Meteorological Society, Volume 99, Issue 2, Pages 361-380, 2018.

236. Kazadzis, S., Founda, D., Psiloglou, B., Kambezidis, H., Mihalopoulos, N., Sanchez-Lorenzo, A., Meleti, C., Raptis, P.I., Pierros, F., Nabat, P., Long-term series and trends in surface solar radiation in Athens, Greece, Atmospheric Chemistry and Physics, Volume 18, Issue 4, Pages 2395-2411, 2018

237. Schmale, J., Henning, S., Decesari, S., Henzing, B., Keskinen, H., Sellegri, K., Ovadnevaite, J., Pöhlker, M., Brito, J., Bougiatioti, A., Kristensson, A., Kalivitis, N., Stavroulas, I., Carbone, S., Jefferson, A., Park, M., Schlag, P., Iwamoto, Y., Aalto, P., Äijälä, M., Bukowiecki, N., Ehn, M., 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., Swietlicki, E., Andreae, M., Artaxo, P., Wiedensohler, A., Ogren, J., Matsuki, A., Soo Yum, S., Stratmann, F., Baltensperger, U., 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, Volume 18, Issue 4, Pages 2853-2881, 2018

238. Lazaridis, M., Katsivela, E., Kopanakis, I., Raisi, L., Mihalopoulos, N., Panagiaris, G., Characterization of airborne particulate matter and microbes inside cultural heritage collections, Journal of Cultural Heritage, Volume 30, Pages 136-146, 2018.

239. Yazidi, A.E., Ramonet, M., Ciais, P., Broquet, G., Pison, I., Abbaris, A., Brunner, D., Conil, S., Delmotte, M., Gheusi, F., Guerin, F., Hazan, L., Kachroudi, N., Kouvarakis, G., Mihalopoulos, N., Rivier, L., Serça, D., Identification of spikes associated with local sources in continuous time series of atmospheric CO, CO₂ and CH₄, Atmospheric Measurement Techniques, Volume 11, Issue 3, Pages 1599-1614, 2018.

240. Schoenenberger, F., Henne, S., Hill, M., Vollmer, M.K., Kouvarakis, G., Mihalopoulos, N., O'Doherty, S., Maione, M., Emmenegger, L., Peter, T., Reimann, S., Abundance and sources of atmospheric halocarbons in the Eastern Mediterranean, Volume 18, Issue 6, 23 March 2018, Pages 4069-4092.

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MONOGRAPHS

Mihalopoulos N., Long range transport of pollutants above the Eastern mediterranean: Implications for air quality and regional climate change, in Regional Climate Variability and its impact in the Mediterranean Area, A. Mellouki and A.R. Ravishankara (eds), NATO Science Series, Earth and Environmental Sciences, Vol 79, pp1-15, Springer, 2007

BOOKS

Jakubowski N, Mihalopoulos N., Mann S., Lehmann W., Speciation of Sulfur, Handbook of Elemental Speciation II, pp 378-408, Volume Editors: R. Cornelis et al., .Willey eds, 2004.

Bougiatioti, A., Kanakidou, M., Mihalopoulos, N*, Air Quality in European Cities, Comprehensive Analytical Chemistry, Volume 73, 2016, Pages 517-542.

PRESENTATIONS IN CONFERENCES:

A: INVITED TALKS (selected)

1. Mihalopoulos, N., (INVITED TALK, **Keynote talk**) Impact of marine emissions on atmospheric chemistry and climate, A Changing Atmosphere: the 8th European Symposium on the Physico-Chemical Behaviour of Atmospheric Pollutants", 17-20 September 2001, Torino, Italy.
2. Mihalopoulos N., (INVITED TALK) On the importance of atmospheric deposition of N and P species in the productivity of sea water: The Mediterranean case., CERC3 Young Chemist Workshop on Atmospheric Chemistry and Particulate Matter, Denmark, June 3-6, 2002.
3. Mihalopoulos N., (INVITED TALK) The biogeochemical cycle of dimethylsulfide (DMS): Importance and uncertainties, Third Informal Conference on Reaction Kinetics and

Atmospheric Chemistry, June 7 to 9, 2002 at the LO-Skolen Conference Center, Helsingør, Denmark.

4. Mihalopoulos N., (INVITED TALK) Global Air Pollution crossroads above Mediterranean, First IGBP Italian Conference, Paestum (SA), November 14th-16th, 2002.

5. Mihalopoulos N., (INVITED TALK), Long-range transport of pollutants above Mediterranean: Implications for air quality and regional climate, "International Conference on Atmospheric Pollution", 21-25 February 2004, Dubai.

6. Mihalopoulos, N., (INVITED TALK), Role of atmospheric deposition of Nitrogen species to the seawater productivity: Case of the Eastern Mediterranean Sea, ACCENT-Workshop on Understanding and quantifying the atmospheric nitrogen cycle, Barnsdale, 31 Oct.- 2 Nov, 2005.

7. Mihalopoulos N., (INVITED TALK), Αιωρούμενα σωματίδια στην ατμόσφαιρα: Πηγές, επίπεδα, χημική σύσταση. Η Ελληνική «εμπειρία», 15ο ΠΑΝΕΛΛΗΝΙΟ ΠΝΕΥΜΟΝΟΛΟΓΙΚΟ ΣΥΝΕΔΡΙΟ, 1-4 Νοεμβρίου 2006, Κρήτη.

8. Mihalopoulos N., (INVITED TALK, **Keynote talk**), Implications of Mediterranean pollution for air quality and regional climate, Regional Climate Variability and its Impacts in the Mediterranean Area, NATO Advanced Research Workshop on Regional Climate Variability and its Impacts in the Mediterranean Area, Marrakech, Morocco, 25-28/11, 2006.

9. Mihalopoulos N., (INVITED TALK), Biogeochemical Nitrogen cycle, Euroceans Summer School, Ankara, 16-21/8/2007.

10. Mihalopoulos N., (INVITED TALK, **Keynote talk**), Climate relevant aerosol properties above Mediterranean, "From Deserts to Monsoons", Crete, Greece, 1-6 June 2008.

11. Mihalopoulos N., (INVITED TALK), Sources of carbonaceous aerosols in the Eastern Mediterranean inferred from long-term observations, Telluride workshop on organic aerosols, USA, 4-8 August 2008.

12. Mihalopoulos N., (INVITED TALK), Atmospheric pollution and climate, NATO Science for Peace and Security meeting, Balchik, Varna, Bulgaria, 10th March, 2008

13. Mihalopoulos N., (INVITED TALK), Air quality trends in the Mediterranean area, "climate change, causes and impacts" Summer school on: Climate change: causes and impacts seminar on 'Global and regional aerosol modeling', Paphos Cyprus, 12-19 October, 2008.

14. Mihalopoulos N., (INVITED TALK), Origin of Air Pollution over the E. Mediterranean, Cyprus Technical University, Limassol, Cyprus, 22nd of October 2010.

15. Mihalopoulos N., (INVITED TALK), Global dust cycle: a geochemical, atmospheric and modelling perspective, School of Earth & Environment, Leeds University, U.K. November 15th-16th 2010.

16. Mihalopoulos N., (INVITED TALK), Sources of aerosols in the Eastern Mediterranean and their climatic impact, Insitute of Low Temperature, Sapporo, Japan, 19th of December 2010.
17. Mihalopoulos N., (INVITED TALK), The significance of atmospheric inputs of dissolved and particulate trace metals to the Eastern Mediterranean seawater, University of Hambourg, Germany, 12th of April 2011.
18. Mihalopoulos N., (INVITED TALK), Origin and impacts of atmospheric pollution over the Eastern Mediterranean, Cyprus Institute, Nicosia, 9th of May 2011.
19. Mihalopoulos N., (INVITED TALK), "Aerosol measurements: going beyond mass concentrations", towards an integrated observing system for South America: Air quaiity assessment and forecasting in Megacities, Workshop and white paper, Santiago de Chile, January 9-12 2012.
20. Mihalopoulos N., (INVITED TALK), Interaction between atmospheric pollution and seawater productivity: case of the Eastern Mediterranean, Middle East Technical University (METU), 6th of September 2012.
21. Mihalopoulos N., (INVITED TALK), ChArMEX-related activities in Greece and Cyprus, 3rd International ChArMEX Workshop, Cargèse, Corsica, France, November 5 to 9, 2012.
22. Mihalopoulos N., (INVITED TALK), Chemical composition of aerosols around Mediterranean: From urban to background locations, 5th International ChArMEX Workshop, Cyprus, October, 2016.
23. Mihalopoulos N., (**Keynote talk**), Atmospheric pollution in the Mediterranean: Sources and Impact on Air Quality, Health and Climate, EGU, 24th April 2017.

CONFERENCE PROCEEDINGS and CONFERENCE ABSTRACTS

More than 600 presentations in conferences either as oral or poster with more than 100 as extended conference proceedings.