

Curriculum vitae

Of

Maria Kanakidou

Professor (Computational Environmental Chemistry)

Director of the Environmental Chemical Processes Laboratory (ECPL <http://ecpl.chemistry.uoc.gr>),
Division of Environmental and Analytical Chemistry of the Department of Chemistry
(<http://www.chemistry.uoc.gr>), University of Crete (<http://www.uoc.gr>).

also

Visiting faculty member at the Institute of Chemical Engineering and High Temperature Chemical
Processes ([ICE-HT](http://ice-ht.forth.gr)) of the Foundation of Research and Technology-Hellas (FORTH).

Leader of the modelling group of ECPL (<http://ecpl.chemistry.uoc.gr/kanakidou>).

Department of Chemistry, University of Crete,
P.O.Box 2208, 71003 Voutes, Heraklion Crete, Greece
Tel: + 30-2810-545033 Fax: + 30-2810-545166

mariak@uoc.gr ; <http://ecpl.chemistry.uoc.gr/kanakidou>

[Researcher-id D-7882-2012](https://orcid.org/0000-0002-1724-9692)

<https://orcid.org/0000-0002-1724-9692>

CONTENTS

Personal Details:.....	2
EDUCATION:	2
Grants - Doctoral and Post-doctoral:	2
Awards - Honors:	2
CAREER:	3
SERVICES to the International and National Scientific Community- Ongoing:	3
Services to the University of Crete :	6
TEACHING Activities:	6
RESEARCH Activities:	12
SCIENTIFIC PUBLICATIONS:	14
Presentations at conferences after invitation (keynote/invited speaker):.....	14
LIST OF PUBLICATIONS.....	17
Peer reviewed papers at International journals	17
Books and other journals (reviewed papers)	28
Conferences with Proceedings	29
Other Presentations (oral & poster) at Conferences excluding the invited/keynote	36

Personal Details:

Born 6 February 1961, Athens, Greece
Married, two children.

EDUCATION:

- 1993: Habilitation in Chemistry: ‘Study of the impact of volatile organic compounds on tropospheric chemistry’, University of Paris 7, France.
1988: PhD Thesis in Chemistry of Air Pollution and Environmental Physics: ‘Sources of Nonmethane Hydrocarbons in the Atmosphere’, University of Paris 7, France.
1985: Diplôme d’Etudes Approfondies (DEA) in Chemistry of Pollution, University of Paris 7, France.
1984: Diploma of Chemistry, Department of Chemistry University of Athens, Greece.

Grants - Doctoral and Post-doctoral:

- Oct. 1985-Nov. 1988: National Greek State organization for financial support of Ph.D. students (competition with written examination).
Jan-Jun. 1989: Max Planck Society postdoctoral stipendium
Jul. 1989 - Dec. 1990: European Union post doctoral grants (competitive – prior the Marie Curie grant)
Jan. 1991-Sept. 1991: Max Planck Society postdoctoral stipendium.

Awards - Honors:

1. Reviewer's award of editor assistance - Journal of Geophysical Research – Atmosphere 1998
2. H. Julian Allen Award 1998 in recognition as co-author of the outstanding scientific paper for 1998 entitled “High concentrations and photochemical fate of carbonyls and alcohols in the global troposphere” (NASA Ames Research Center on the 20th of July 1998).
3. Honors from UNEP for serving on WMO and IPCC assessments as part of the writing or reviewing team.
4. 2014 Honorary member of the International Commission on Atmospheric Chemistry and Global Pollution, ICACGP, of International Association of Meteorology and Atmospheric Science IAMAS. www: <http://www.icacgp.org/>
5. 2016 [Vilhelm Bjerknes Medal of the European Geosciences Union](#) EGU award for atmospheric sciences

Main topics of interest:

Atmospheric Chemistry and Physics with focus on **atmospheric chemistry, physics, biogeochemical cycles and climate changes** due to human activities and on gas/particle interactions, both via experimental and modelling studies. Recent focus on modelling of homogeneous and heterogeneous tropospheric chemistry and aerosol formation. Study of the human-driven changes in the oxidizing power of the atmosphere and the aerosol composition and their interactions with climate.

- **Aerosols, air quality and climate:** Our research focuses on the secondary aerosol formation and especially the organic component, the factors that control its variability, and the climatic impact of aerosols.

- **The impact of volatile organic compounds on tropospheric chemistry, biogeochemical cycles and climate:** Air pollution and global change issues related to the impact of VOCs on tropospheric oxidants, on secondary organic aerosol, on nitrogen cycle, on organic forms of nutrients and subsequently on climate.
- **Biogeochemical Cycles:** Our research focuses on the N, P and Fe cycles, how they are interconnected via atmospheric organic chemistry and atmospheric deposition and what is the impact of this deposition to the marine environment.
- **The chemistry of the upper troposphere:** The central point of our interest is the impact of oxygenated species on HO_x UT/LS budget.

CAREER:

2014-2018	Chair of the Chemistry Department, University of Crete, Greece
2016-	Director Environmental Chemical Processes Laboratory, Dept of Chemistry, University of Crete
2008-	Professor of Computational Environmental Chemistry at the Division of Environmental and Analytical Chemistry of the Department of Chemistry, University of Crete.
2002- 2007	Associate Professor of Computational Environmental Chemistry at the Division of Environmental and Analytical Chemistry of the Department of Chemistry, University of Crete.
1998-2002:	Assistant Professor of Environmental Chemistry at the Division of Environmental and Analytical Chemistry of the Department of Chemistry, University of Crete.
1991-1997:	Research scientist (Chargee de Recherche) at the Centre National de Recherche Scientifique, Gif-sur-Yvette, France (3-D global and 0-D modeling studies).
1989-1991:	Research fellow (post doctorate) at the Max Planck Institute for Chemistry, Atmospheric Chemistry Division, Mainz, Germany (2- and 3-dimensional global modeling studies in the group of Prof. P.J. Crutzen-Nobel Laureat 1995).
1984-1988:	PhD student - research fellow at the CNRS, Gif-sur-Yvette, France (experimental studies).

SERVICES to the International and National Scientific Community- Ongoing:

- Honorary member of the International Commission on Atmospheric Chemistry and Global Pollution (iCACGP) of the IAMAS/ICSU (member since 1998, served as President 2006-2010).
- Member of the Group of Experts on Scientific Aspects of Marine Environmental Protection (GESAMP/WMO) WG 38 on 'The Atmospheric Input of Chemicals to the Ocean' since 2008.
- Member of the Greek Scientific Advisory Council for the Environment (since summer 2014).
- Member of ESA's Advisory Committee for Earth Observations (ACEO) since January 2018.
- International Advisory Board of EURO CAMP European Infrastructure.

Services to the International Scientific Community- Past:

1. Member of the SSC of the EU-FP7 project of BACCHUS (Nov 2013-May 2018)
2. Member of ESA's Earth Science Advisory Committee (ESAC) (December 2014- December 2017)
3. External Member of the Advisory board of the IPSL (Institut Pierre-Simon Laplace) of Paris since January 2013.-December 2017.
4. Member of the Steering Scientific Committee of the EU-FP7 project Evaluating the Climate and Air Quality Impacts of Short-Lived Pollutants - ECLIPSE (2011-2015).
5. Member of the Steering Science Committee of the International Atmospheric Chemistry (IGAC) a project of IGBP, co-sponsored by iCACGP (2006-2010).
6. Member of the International Commission on Atmospheric Chemistry and Global Pollution (iCACGP) of the IAMAS/ICSU (since 1998, served as President 2006-2010).

7. Member of the steering committees of ACCENT-AT2 (WP10- remote sensing of the troposphere from space) and ACCENT-T&TP (WP14- transport and transformation of pollutants).
8. Member of the task force of the international scientific action on Global Analysis, Integration and Modelling (GAIM: <http://gaim.unh.edu>) of IGBP (International Geosphere-Biosphere Programme: <http://www.igbp.kva.se>) (2001-2004).
9. Member of the Scientific (external) Advisory Board of the EU Integrated Project QUANTIFY
10. Member of the Scientific (external) Advisory Board of the International Project BIOSOL
11. Member of the Advisory Editorial Board of Atmospheric Environment February 2001-2004.
12. Member of the Science Panel of EU in the Field of Atmospheric Composition Change from June 2000 to May 2003.
13. Co-convenor of the Global Integration Modeling (GIM) activity of IGAC of the IGBP from summer 1996 – summer 2001.
14. Member of the Steering Committee of the modeling effort (CS pole modélisation) of the IPSL (Institut Pierre-Simon Laplace) of Paris from its foundation in 1996 until 1998.
15. Member of the Scientific Council of the IPSL (Institut Pierre-Simon Laplace) of Paris from its foundation in 1994 until 1998.

Scientific conferences/workshop organisation

Organisation of International Conferences (not exhaustive)

1. Convenor of GESAMP related session at the EGU 2018 (AS4.21/BG3.4/OS3.2- Air-sea exchanges: Impacts on Biogeochemistry and Climate), Vienna, April 2018
2. Convenor of GESAMP related session at the EGU 2017 (AS4.21/BG3.4/OS3.2- Air-sea exchanges: Impacts on Biogeochemistry and Climate), Vienna, April 2017
3. Convenor of GESAMP related session at the EGU 2016 (AS4.21/BG3.4/OS3.2- Air-sea exchanges: Impacts on Biogeochemistry and Climate), Vienna, April 2016
4. Co-convenor at the IUGG 2015 session M06 on ‘Observations of Anthropogenic Aerosol-Cloud Interactions’, Prague, June-July 2015.
5. **Member of the Organizing Committee (local host) of the European Space Agency’s Conference ATMOS 2015 on Advances in Atmospheric Science and Applications, Crete 8-12 June 2015.(245 participants)**
6. Convenor of GESAMP related session at the EGU 2015 (AS4.21/BG3.4/OS3.2- Air-sea exchanges: Impacts on Biogeochemistry and Climate), Vienna, April 2015
7. Convenor of GESAMP session at the EGU 2014 (AS4.3/BG3.4/OS3.2- Atmospheric Deposition to the Ocean: Impacts on Marine Biogeochemistry and Climate), Vienna 2014.
8. Convenor of Session at the CACGP/IGAC Quadrennial Symposium, NatalBrazil Sept 2014
9. **Organization of the 12th International Conference on Meteorology, Climatology and Atmospheric Physics (COMECAP 2014), Heraklion, Crete, 28-31 May 2014.**
10. **Sharing data and information in the Eastern Mediterranean and the Middle East Chania, Crete, 23-25 July 2013, DARECLIMED Kolympari, 22-27 July 2013**
11. Convenor of Symposia at the Davos Atmosphere and Cryosphere Assembly DACA-13 took place in Davos from 8 - 12 July, 2013
12. Member of Scientific Committee of the International Conference on Environmental Science and Technology, Greece, 2013
13. Member of Scientific Committee of the Conference on Meteorology, Climatology and Atmospheric Physics COMECAP-2012, Athens, May 2012
14. Convenor of Symposia at the IUGG 2011 General Assembly, Melbourne, 28 June – 7 July 2011.
15. Convenor and member of program committee at the CACGP/IGAC Quadrennial Joint Symposium, Halifax, 11-16 July 2010.
16. Member of Scientific Committee of the COMECAP-2010, Patras, 2010
17. Member of Scientific Committee of the International Conference on Environmental Science and Technology 2011
18. Member of the scientific committee of the International Conference on Space Technology, Thessaloniki 2011

19. Convener at the Symposium M15 on Atmospheric Composition Change: Air Pollution in the Global Environment at MOCA (IAMAS-IAPSO-IACS) 2009 joint Assembly, Montreal, 19-29 July 2009.
20. Member of the scientific committee of the International Conference on Space Technology, Thessaloniki 2009
21. **Co-organiser of the “Aerosols - Properties, Processes and Climate” (APPC), Conference, Heraklion, April 22-24, 2007**
22. Member of the organising committee of Advanced workshop “Regional Climate Variability and its Impacts in the Mediterranean Area” at Marrakech, Nov 2006
23. **Organisation of the AT2- annual Conference at Heraklion, Crete, June 2006**
24. Member of the organizing committee of the OA workshop in Oslo May 2006-12-06
25. **Organiser of the Multiphase chemistry of Oxygenated solvents in the troposphere: from Laboratory studies to global Impacts (MOLI) workshop, Heraklion, Crete, 1-3 June 2005**
26. **Co-organiser of the PHOENICS Organic Aerosol Workshop, Bavero, Italy, Sept. -21-23, 2003**
27. **Chair of science and organizing committees of the quadrennial CACGP/IGAC International Symposium on ‘Atmospheric Chemistry within the Earth System: From Regional Pollution to Global Change’ that took place on Crete in Sept 2002 (<http://atlas.chemistry.uoc.gr/IGAC2002>) (550 participants).**

Reviewer:

For research institutes:

France

SA-CNRS-Toulouse in 1993

LSCE – CNRS/CEA – Saclay 2018 (ongoing)

Germany

Helmutz Association – Atmospheric Chemistry & Climate program (2013)

KIT (2017)

Julich-Helmutz Association (2017)

For research articles submitted at peer reviewed journals including:

1. Nature
2. Science
3. Nature Geosciences
4. Journal of Geophysical Research- Atmosphere
5. Journal of Atmospheric Chemistry
6. Tellus B
7. Chemosphere
8. Atmospheric Environment
9. International Journal of Air and Water Waste management association.
10. Atmosfera
11. Geophysical Research Letters
12. Environmental Chemistry
13. Atmospheric Chemistry and Physics
14. Environmental Science and Technology
15. Water, Air and Soil Pollution
16. PNAS
17. IPCC reports
18. WMO O3 Assessments

19. Science of Total Environment
20. Environmental Research Letters

For Research proposals submitted at (not exhaustive):

ERC- starting grants (panel member 2013, 2015, 2017)
NSF-USA
NERC-UK
EU
NSF- Norway
ANR- France
DFG- Germany
SRF- Sweden

Editor of peer reviewed international journals and books:

- COMECAP 2014 proceeding, University of Crete press (and e-book), May 2014.
- Editor of Atmospheric Chemistry and Physics since Nov 2009
- Member of the editorial board of Atmosphere since 2010
<http://www.mdpi.com/journal/atmosphere/editors/>
- Member of the Advisory Board of TELLUS B since February 2000-2011
- Guest editor of Atmospheric Chemistry and Physics special issue on CACGP/IGAC 2002 International Symposium, 2004.
- PHOENICS Integration and Synthesis Report (ISBN 960-88712-0-4), 2005.

Services to the University of Crete :

- Chair of the Department of Chemistry of the University of Crete (Sept 2014-Aug. 2018) and member of the Steering Committee of the .School of Science and Engineering (Sept 2014-Aug. 2018) and the Senat of the University (2017- 2018).
- Responsible of the Master Program on Environmental Science and Engineering (since 2016)
- Vice Chair of the Department of Chemistry of the University of Crete (2013-2014) and responsible for the Master and PhD programs of the Department.
- Member of the committee for computations and network of the Department of Chemistry (2002-today)
- Scientific responsible of the EPEAEK (Greek) project on “upgrading the under graduated studies at the Department of Chemistry, University of Crete” (1/4/2003-31/8/2008).
- Representative of the Department of Chemistry at the Computation Centre of the University of Crete (2002-2005).
- Member of the selection committees of the University for buying new scientific instruments, chemical consumables and furniture in 2005.

TEACHING Activities:

Seminars & summer school courses outside the University of Crete:

1. Atmospheric Deposition of nutrients and its impact on the marine environment, IUP, University of Bremen, 1 Dec 2017
2. Aerosols carriers of nutrients to the marine environment and the role of Atmospheric Chemistry, Max Planck Institute Mainz, 17 Nov 2017

3. Global significance of atmospheric water chemistry for biogeochemical cycles, NOAA, Boulder, 22 Sept., 2016
4. Les aérosols carbonés dans le système terrestre: Impacts et incertitudes, College de France, Paris, 22 May 2015 (**broadcasted** <http://www.college-de-france.fr/site/edouard-bard/seminar-2014-2015.htm>)
5. Organics in the atmosphere from air pollution to biogeochemical cycles and climate, Aarhus University, Denmark, March, 2015
6. Organics in the Atmosphere: from plants to clouds and back to the ocean, Georgia Insittue for Technology, Atlanta, January 2013
7. Organics in the Atmosphere: from air pollution to biogeochemical cycles and climate, University of Patras, Chemical Engineering Department, 4 February 2015
8. Ατμοσφαιρική Ρύπανση στη Μεσόγειο: Αιτία, επιπτώσεις και αναγκαίες δράσεις για βιώσιμη ανάπτυξη, ΕΝΕΡΓΕΙΑ, ΠΕΡΙΒΑΛΛΟΝ ΚΑΙ ΥΓΕΙΑ, Ίδρυμα Ιατροβιολογικών Ερευνών της Ακαδημίας Αθηνών, 18 Ιουνίου 2014
 - a. (**broadcasted** <http://www.blod.gr/lectures/Pages/viewlecture.aspx?LectureID=1479#>)
9. Kanakidou M., Particle formation: processes and modeling, Santiago, Chile January, 2012
10. **5th International SOLAS Summer School, Cargèse, Corsica, France, 29th Aug.t - 10th Sept. 2011** <http://www.solas-int.org/summerschool/>
11. Organic Aerosols: A 3-d vision, University of Saporu, Saporu, Japan, February 2011.
12. ΠΕΚ Ηρακλείου - Δεκέμβρης 2010: Κλιματικά μοντέλα και προβλέψεις τους για το κλίμα και την ποιότητα του αέρα
13. Global Sources of Organic Aerosols in the Atmosphere, University of Iasi, Romania, October 2009.
14. **Summer school on: Climate change: causes and impacts** seminar on ‘Global and regional aerosol modeling’, Paphos Cyprus, 12-19 October, 2008
15. Ατμοσφαιρική Ρύπανση και Κλιματικές Αλλαγές, *Κλιματική Μεταβολή – Πόλη και Κτήριο, 22 Μάρτη 2008– Ηράκλειο*
16. Ανθρωπογενούς προέλευσης Κλιματικές Αλλαγές, *Ημερίδα Περιβάλλοντος της Ένωσης Κρητών στην Αθήνα, 11 Μάη 2008, Αθήνα.*
17. Global modeling of the oceanic source of organic aerosols: primary and secondary sources, GISS, NASA – New York, Aug. 2008.
18. Organic Aerosols: Past, Present and Future, Biogeochemical cycling and climate, MISU, Stockholm, May 23, 2008
19. **GEIA-ACCENT-INTROP Summer School, ile d’Oleron, Sept. 2007.**
20. NOAA, Boulder, ‘Organic compounds: Role in the atmospheric composition & climate’ August 2007
21. *Ατμοσφαιρική Ρύπανση και Κλιματικές Αλλαγές- ΚΕΠ - Κατανάλωση και Φύση 17 Μάρτη 2007 – Αρχάνες*
22. **CESAR Introp Summer school at KFA Julich, Germany, Aug. 2006**
23. **German-French Summer school at ile d’Oleron, France Sept. 2004**
24. **European Research Course on Atmospheres, summer school, Grenoble, January 1996,** Models of tropospheric Chemistry. NMHC in the troposphere. Atmospheric sulfur cycle
25. **European Research Course on Atmospheres, summer school, Grenoble, January 1997** Models of tropospheric Chemistry. NMHC in the troposphere. Atmospheric sulfur cycle
26. **European Research Course on Atmospheres, summer school, Grenoble, January 1998:**
27. Laboratoire de Modélisation du Climat et de l’Environnement: Modélisation globale tri-dimensionnelle de la photochimie troposphérique, Saclay, April 1993. Models of tropospheric Chemistry. NMHC in the troposphere. Atmospheric sulfur cycle
28. Institut Max Planck de Chemie, Department of Atmospheric Chemistry: The oxidation of HCFCs and HFCs in the troposphere; Mainz, December 1992.

29. University of Kaiserslautern, Department of mathematics: No linearity in the chemical processes in the atmosphere, Kaiserslautern, December 1991.

Development of e-learning module on NO₂ observations from space

http://dev1.nilu.no/moodle/at2/exerciseTutor/ExerciseModule.htm?moodle/at2/at2-els_NO2/at2-els_NO2.htm

<http://www.iup.uni-bremen.de/eng/lehre/elearning/index.html>

Together with the University of Bremen – Institute for Environmental Physics in the frame of the ACCENT (AT2) EU network

Teaching experience at the University of Crete

- Lectures on Physics and Chemistry of the Atmosphere (Master course)
- Lectures on the “Structure and application of numerical models of Aquatic Environmental Chemistry” as part of the undergraduate course on Environmental Chemistry.
- Lectures on ‘Environmental Computing Chemistry I’ for graduated students including practice.
- Lectures on ‘Atmospheric Chemistry’ for undergraduate students.
- Post graduated courses on “Environmental Computing Chemistry II” including practice Seminars in the frame of the under graduated courses of ‘Environmental Chemistry’ on the “Structure and application of numerical models of Aquatic Environmental Chemistry”.
- Introduction to Computing Sciences for undergraduate students covering introduction to the computers, to programming languages, algorithms, logical flow grams, UNIX and FORTRAN.
- Post graduated courses on “Selected topics of Environmental Chemistry”
- Introduction to Chemistry (lectures at the Dept. of New Materials for undergraduate students) covering introduction to the structure of the atoms, period table, chemical bond, molecular and ion interactions, introduction to thermodynamics and to thermochemistry.
- Qualitative and Quantitative Analytical Chemistry (undergraduate studies)
- Contribution to the development of an e-learning course on NO₂ observations from space developed in the frame of the European Network of Excellence for Atmospheric Composition Change ACCENT.

Post doctoral research advisor:

1. Dr. David Lavoue
2. Dr. Barbara Roziere (now researcher at CNRS, Lyon)
3. Dr. Geogios Kouvarakis (now Research Engineering and Teaching Personel at University of Crete)
4. Dr. Evangelos Gerasopoulos (now senior researcher at National Observatory of Athens)
5. Dr. Kostas Tsigaridis (now at Columbia University/NASA-GISS)
6. Dr. Mihalīs Vrekoussis (now Professor at IUP, University of Bremen and the Cyprus Institute)
7. Dr. Ulas Im (now at Aarhus University Denmark)
8. Dr. Stelios Myriokefalitakis (now Marie Curie grant at Utrecht University moving to NOA)
9. Dr. Sylvia Christodoulaki (now at HCMR)
10. Dr. Georgios Fanourgakis (ongoing)
11. Dr. Maria Sfakianaki (ongoing)
12. Dr. Christos Papadimas (now private company)

Supervisor of the following PhD and Master works:

PhDs awarded:

1. Nathalie Poisson, Thèse d’Université de Paris 7, 1997 «Impact des hydrocarbures non méthaniques sur la chimie troposphérique» (now ADEME- Paris France)

2. Kostas Tsigaridis, PhD thesis, University of Crete, Dec, 2003 «Προσομοίωση της επίδρασης των οργανικών αερολυμάτων στην ατμόσφαιρα και στο ενεργειακό ισοζύγιο της με τη χρήση τρισδιάστατων μοντέλων» (Impact of organic aerosols on tropospheric chemistry and the energy balance of the atmosphere evaluated using a 3-dimensional global chemistry-transport model). (now research associate at Center for Climate Systems Research, Columbia University and NASA-GISS, New York, USA)
3. Mihalís Vrekousis PhD Thesis, University of Crete, Nov, 2005 «Νιτρικές ρίζες: Ο ρόλος τους στο κύκλο του αζώτου και στην οξειδωτική ικανότητα της ατμόσφαιρας» (Nitrate radicals: Their role in nitrogen cycle and in the oxidising capacity of the atmosphere) (now researcher at The Cyprus Institute and Professor at the University of Bremen, Germany)
4. Lazaros Perakis, February 2008. «Αριθμητικές προσομοιώσεις της επίδρασης διαλυτών στη τροποσφαιρική χημεία» (Numerical simulations of the impact of solvents on tropospheric chemistry). (Περιφέρεια Κρήτης, Διεύθυνση αναπτυξιακού προγραμματισμού, τώρα με απόσπαση ως Research Programme Officer - Intellectual Property Rights - National Expert at European Commission)
5. Maria Sfakianaki, (Heraklitos grant) Dec 2007 «Σχηματισμός και κλιματικές επιπτώσεις των αιωρούμενων σωματιδίων στην Ανατολική Μεσόγειο –μελέτη μέσω ανάκτησης δορυφορικών δεδομένων» (Formation and climatic impact of aerosols in the East Mediterranean – a study based on satellite retrievals). (now at Doxastakis and post doc at ECPL)
6. Stelios Myriokefalitakis (PENED grant 03EΔ373) June 2009 «Μελέτη του ρόλου των ετερογενών αντιδράσεων στο τροποσφαιρικό όζον, το γίνεσθαι των αερολυμάτων και το ενεργειακό ισοζύγιο της ατμόσφαιρας βάσει 3-διάστατων προσομοιώσεων παγκόσμιας εμβέλειας, επίγειων και δορυφορικών παρατηρήσεων» (Study of the impact of heterogeneous reactions on tropospheric ozone, fate of aerosols and energy balance of the atmosphere by using global 3-d simulations and ground and satellite based observations). (now post doc researcher at ECPL)
7. Eirini Dermitzaki (PENED grant 03EΔ169) March 2010 «Μελέτη της επίδρασης διακριτών πηγών ρύπανσης στο τροποσφαιρικό όζον και στο ενεργειακό ισοζύγιο της ατμόσφαιρας στον Ελλαδικό χώρο με τη χρήση παρατηρήσεων εδάφους, δορυφορικών παρατηρήσεων και 3-διάστατων μαθηματικών προσομοιώσεων» (Study of the impact of distinct pollution sources on tropospheric ozone and on the energy balance of the atmosphere over Greece by using ground and satellite based observations and 3-d numerical modeling). (now teacher at the secondary education)
8. Sylvia Christodoulaki (July 2011) « Αριθμητικές προσομοιώσεις της επίδρασης της ατμοσφαιρικής εναπόθεσης αζώτου και φωσφόρου στο θαλάσσιο οικοσύστημα της Ανατολικής Μεσογείου » (Numerical simulations of the impact of atmospheric deposition of Nitrogen and Phosphorus on the marine ecosystem of the East Mediterranean). (now post doc researcher at HCMR)
9. Nikolaos Daskalakis (February 2015) Numerical simulations of atmospheric chemistry and transport focusing on the oxidizing capacity of the troposphere and the organic aerosol (now post doc at CNRS, Paris- moved to IUP Uni Bremen in 2018).

PhD Thesis (on going):

- ✚ Dimitrios Amanatidis (started 2013) – WRF-CHEM regional simulations over the East Mediterranean
- ✚ Evangelia Tzitzikalaki (started 2013) – Amine observations and aerosol formation and growth modeling.

MScs awarded:

1. Kostas Tsigaridis (2000) «Αριθμητική προσομοίωση της επίδρασης των βιογενών υδρογονανθράκων στη χημική σύσταση της ατμόσφαιρας: Το δάσος του Περτουλίου Τρικάλων» (Numerical simulation of the impact of biogenic hydrocarbons on the chemical composition of the atmosphere: The forest of Pertouli, Trikala)
2. Christos Donousis (2003) «Μελέτη της φωτοχημείας του θαλάσσιου στρώματος ανάμιξης στη περιοχή της Φινοκαλιάς με τη χρήση ενός μοντέλου μηδέν διαστάσεων – Επίδραση των αλογονούχων ριζών» (Study of the photochemistry of the marine boundary layer at Finokalia using a 0-d model – Impact of halogen radicals)
3. Maria Sfakianaki (2002) «Προσομοίωση της χημικής σύστασης των αιωρούμενων σωματιδίων στο στρώμα ανάμιξης στην Ανατολική Μεσόγειο με τη χρήση θερμοδυναμικού μοντέλου» (Simulation of the chemical composition of aerosols in the boundary layer of the East Mediterranean using a thermodynamic model).
4. Eirini Sfakianaki (2005) «Αξιολόγηση τρισδιάστατων προσομοιώσεων του ατμοσφαιρικού κύκλου του θείου» (Evaluation of the 3-d simulation of the atmospheric sulfur cycle).
5. Nikos Galanis (2005) «Επίδραση Διαλυτών στα επίπεδα του τροποσφαιρικού όζοντος.» (Impact of solvents on the levels of tropospheric ozone).
6. Georgios Manoussakis (2006) «Ρυθμοί φωτοδιάσπασης του διοξειδίου του αζώτου και του όζοντος στο σταθμό της Φινοκαλιάς: Μελέτη της διακύμανσης τους και επίδραση σε αυτούς του οπτικού πάχους της ατμόσφαιρας.» (Rates of NO₂ and O₃ photodissociation at Finokalia station: Study of their variability and their response to changes in the aerosol optical thickenss of the atmosphere).
7. Stelios Myriokefalitakis (2006) «Ανάπτυξη χημικού κώδικα και εφαρμογή στη μελέτη της παγκόσμιας κατανομής της Γλυοξάλης και της Φορμαλδεΐδης με τη χρήση τρισδιάστατου μοντέλου» (Development of a chemical code and its application to the study of the global distribution of glyoxal and formaldehyde by using a 3-d global model)
8. Sylvia Christodoulaki (2007) «Επίδραση της ατμοσφαιρική εναπόθεσης αζώτου και φωσφόρου στη θαλάσσια παραγωγικότητα: Μονοδιάστατη μελέτη του Κρητικού Πελάγους» (Impact of atmospheric deposition of nitrogen and phosphorus on the net marine primary production: A 0-dimensional study of the Cretan Sea).
9. Despina Giannadaki (started 2006 –August 2007) Διακύμανση της ηλιακής ακτινοβολίας στη περιοχή της Ανατολικής Μεσογείου: Παράγοντες που την επηρεάζουν και επίδραση στο ισοζύγιο του όζοντος (Variation of the solar radiation over the east Mediterranean: factors that control it and impact on the chemical budget of boundary layer ozone).
10. Evaggelia Tzitzikalaki (Ιούλης 2008) Αριθμητικές προσομοιώσεις του σχηματισμού των σωματιδιακών θειούχων ενώσεων (θειικά και μετασουλφονικά ιόντα) στην Ανατολική Μεσόγειο (Numerical simulations of the formation of particulate sulfur species (sulfate and methanesulfonate) over the Eastern Mediterranean).
11. Georgia Tzirita (Σεπτέμβρης 2009) Επίδραση των Ετερογενών Αντιδράσεων πάνω σε Σωματίδια Σκόνης στην Τροποσφαιρική Χημεία του Στρώματος Ανάμιξης στην Ανατολική Μεσόγειο
12. Maria Katantonaki (Σεπτέμβρης 2009) Βιοκαύσιμα και Επίδραση τους στην Τροποσφαιρική Χημεία
13. Kristallia Sifakaki (Σεπτέμβρης 2009) Προσομοίωση της εκπομπής αέριων ρύπων από θερμοηλεκτρικούς σταθμούς. Εφαρμογή στους θερμοηλεκτρικούς σταθμούς της ΔΕΗ στην Κρήτη.
14. Eri Tzanaki (Σεπτέμβρης 2009) Διασπορά αέριων ρύπων που προέρχονται από τους θερμικούς σταθμούς ηλεκτρικής ενέργειας στην Κρήτη. Dispersion of air pollutants from the power plants in Crete.

15. Anthoula Strataki (Nov 2009) Μελέτη της χρονικής διακύμανσης του Ραδονίου 222 στο στρώμα ανάμιξης στη Φινοκαλιά (Study of the diurnal variability of Radon 222 in the boundary layer at Finokalia).
16. Nikolaos Daskalakis (Sept 2010) Evaluation of Organic Aerosol global 3-dimensional simulations.
17. Panajiotis Nikolidakis (Oct 2011) Αποτίμηση των περιβαλλοντικών επιπτώσεων σε μνημεία: Εφαρμογή στα ιστορικά τείχη του Ηρακλείου Κρήτης
18. Kallia Vrentzou (June 2012) Computations of the high resolution biogenic emissions of isoprene and their temporal variability in the East Mediterranean.
19. Grigorios Epitropakis (Sept. 2012) Απλοποιημένες προσομοιώσεις της θερμοκρασίας της γης
20. Dimitris Amanatidis (Feb. 2013) Εκτίμηση Φυσικών Εκπομπών ιχνοενόσεων στην ατμόσφαιρα: Βιογενείς πτητικές οργανικές ενώσεις
21. Hatziparaschos Marios (July 2018) Ice Nuclei parametarisation in a global chemistry tnaport model.
22. Georgia Panagiotopoulou (July 2018) Measurements of Amines in the atmosphere
23. Nikos Gialesakis (2017) (ongoing)
24. Aggelos Gavousis (2018) (ongoing)
25. Faidra-Aikaterini Kozwnaki (2018) (ongoing)

Diploma Thesis at UoC:

1. Ioannis Alexandropoulos (2001) Προσαρμογή Τρισδιάστατου Παγκόσμιας Κλίμακας Ατμοσφαιρικού Μοντέλου για την Προσομοίωση του τροποσφαιρικού Όζοντος. (Application of a global 3-d model to simulate tropospheric ozone).
2. Nikos Kalivitis (2001-2002) Photo dissociation rates calculation of trace gases using a numerical model of tropospheric chemistry
3. Nikos Galanis (2001-2002) Επίδραση Αριθμητικών Επιλυτών στους υπολογισμούς τροποσφαιρικής χημείας. (Impact of numerical solvers on the computations of tropospheric chemistry).
4. Stelios Myriokefalitakis (2004) Εφαρμογή χημικού μοντέλου μηδέν διαστάσεων για την προσομοίωση της φωτοχημικής παραγωγής του όζοντος σε θαλάσσιο στρώμα ανάμιξης της Ανατολικής Μεσογείου. (Application of a 0-d model to simulate the photochemical production of ozone in the marine boundary layer of the East Mediterranean).
5. Evaggelia Tzitzikalaki (2004-2005) Oxidation of dimethylsulfide it the boulder layer of Finokalia during summer of 2000
6. Nikitas Malliaros (Oct 2013) Επίδραση των NO_x και του Ισοπρενίου στη χημική σύσταση του ατμοσφαιρικού επιφανειακού στρώματος ανάμιξης
7. Ariadni Louli, (applied mathematics) Διερεύνηση συσχέτισης δορυφορικών παρατηρήσεων οπτικού πάχους των αερολυμάτων της ατμόσφαιρας και δείκτη βλάστησης στον Ελλαδικό χώρο, Nov 2015
8. Νεφέλη Φωτάκη, (applied mathematics) Αξιολόγηση τρισδιάστατου μοντέλου με τη χρήση ατμοσφαιρικών μετρήσεων, July 2016
9. Παρασκευή Γεωργακάκη, (Physics) High-resolution direct effect of aerosols on solar radiation over the eastern Mediterranean basin, Dec 2016
10. Dimitra Galani (Physics) Detecting the impact of biomass burning events on chlorophyll-a levels in the ocean using satellite observations over the East Mediteranean (2018) ongoing

RESEARCH Activities:

Research responsibilities - ongoing:

- **Principal Investigator** of the ECPL/UoC (member of Steering Committee and WP leader) to Impact of Biogenic versus Anthropogenic emissions on Clouds and Climate: towards a Holistic UnderStanding (BACCHUS, EU/FP7) (Dec 2013-May 2018- 250 Keuro).

Research Responsibilities - past:

1. **Coordinator** of the Pollution Alters Natural aerosol composition: Implications for Ocean Productivity, cLimate and air qualitY (PANOPLY 10/9/2012- 31/10/2015 – 400 Keuro)
2. **Principal Investigator**, Atmospheric Deposition And MediterrANEan seawater productivity- (ADAMANT –THALES – 1/3/12 – 30/11/15 – 140 Keuro for UoC- Coordinator, NCMR- Dr. G. Petyhakis)
3. **Co-Investigator** of the ECPL/UoC Contribution to the European Financed project PERSEUS (Protecting EuROpean SEas and borders through the intelligent Use of Surveillance) (1/1/2012- 31/12/2015- ~90 Keuro)
4. **Workpackage leader** et the European financed integrated project PEGASOS (Pan-European Gas- AeroSOls-climate interaction Study) (1/1/2011-31/12/2014) (80 Keuro)
5. **Principal Investigator** of the ECPL/UoC & FORTH-ICE-HT Contribution to the European financed project ECLIPSE (Evaluating the Climate and Air Quality Impacts of Short-Lived Pollutants) (1/11/2011-30/10/2014 -127 K euro)
6. **Principal Investigator** of the ECPL/UoC Contribution to the European financed project **CITYZEN** (megaCITY - Zoom for the Environment) (1/9/2008-31/8/2011) (200 Keuro)
7. **Co-Investigator** of the UoC Contribution to the European financed project **CIRCE** (Climate Change and Impact Research: the Mediterranean Environment) (2007-2010 : UoC-PI N. Mihalopoulos) (for modeling: 75 Keuro)
8. **Principal Investigator** of the UoC Contribution to the European financed project **EUCAARI** (European Integrated project on Aerosol Cloud Climate and Air Quality Interactions) (2007-2010) (70 Keuro)
9. **Principal Investigator** of the UoC contribution to the European Network of Excellence for Atmospheric Composition Change (**ACCENT**) (5 years project, 2004-2009) (50 Keuro for UoC + targeted travel funds)
10. **Principal Investigator** of the EPEAEK (Greek) project on “upgrading the under graduated studies at the Department of Chemistry, University of Crete” (1/4/2003-31/8/2008) (297 Keuro)
11. **Principal Investigator** of the Greek participation to the French – Greece Collaboration programme PLATON (2005-2007) (12 Keuro)
12. **Scientific responsible** for the PYTHAGORAS II grant on “Study of the relative contribution of the natural variability and the anthropogenic influence on the levels and the climate role of aerosols and ozone over the East Mediterranean and on a global scale” (1/5/2005 – 31/12/2007) (90 Keuro)
13. **Scientific responsible** for the HERAKLITOS grant from the Greek Ministry of Education (2002-2006) (35 Keuro).

14. **Scientific responsible** for the PENED 2003 grant 03EΔ373 from the General Secretariat for Research and Technology (1/12/2005-30/6/2009). (101 Keuro)
15. **Scientific responsible** (collaborating University) for the PENED 2003 grant 03EΔ169 from the General Secretariat for Research and Technology (2005-2008) (coordinated by the National Technical University of Athens, A. Papayannis). (39 Keuro)
16. **Scientific responsible** of the UoC contribution to the modeling WPs of the European financed project MAP (2006-2008: UoC- PI: E. Stephanou) (for modeling: 66 Keuro)
17. MOLI – workshop organization ESF grant June-Aug. 2005 (European Science Foundation supported workshop).
18. **Principal Investigator** of the EU financed project MOST (Multiphase chemistry of Oxygenated Species in the Troposphere) (started December 2001, ended May 2005, 11 partners from 8 countries, <http://lace.univ-lyon1.fr/most>). (154 Keuro)
19. **Coordinator** of the EU financed project **PHOENICS** (Particles of Human Origin Extinguish Natural solar Irradiance in the Climate System) (accepted by the EU, started January 2002, ended March 2005, 7 partners from 5 countries and JRC, <http://phoenics.chemistry.uoc.gr>) (350 Keuro for UoC)
20. **Principal Investigator** of the EU financed project **UTOPIHAN-ACT** (Upper Tropospheric Ozone: Processes Involving HO_x and NO_x. The impact of Aviation and Convectively Transported pollutants in the tropopause region) (accepted by the EU, started January 2002, ended December 2004, 8 partners from 6 countries, <http://www.mpch-mainz.mpg.de/~reus/utopihan>) (133 Keuro)
21. **Principal Investigator** of the Greek participation to the German – Greece Collaboration programme entitled “Biomass burning over the Mediterranean region» (Oct. 2002-June 2005) (15 Keuro)
22. **Coordinator** - Organisation of the CACGP/IGAC International Symposium on ‘Atmospheric Chemistry within the Earth System: From Regional Pollution to Global Change - **ACES**’ that took place on Crete in Sept 2002 (<http://atlas.chemistry.uoc.gr/IGAC2002>) granted by EU (36 Keuro) and by the 25 yrs University of Crete
23. **Principal Investigator** of the Greek participation to the French – Greece Collaboration programme PLATON entitled “Processus contrôlant le niveau et la variabilité de l’ozone et des aérosols en Méditerranée orientale» (Nov. 1999-Nov 2001). (12 Keuro)
24. **Principal Investigator** of the programme entitled “Interactions between gas and particulate phase in the troposphere over Greece and on a global scale” financed by the University of Crete (ELKE) in 1998-1999.
25. **Principal Investigator** of the French Contribution to the **EU SINDICATE** (Study of Indirect and Direct Influences on Climate of Anthropogenic Trace Gas Emissions) programme for the 3 phases:
 - a- 1st phase: 1/93-4/95 (99 Keuro)
 - b- 2nd phase : 1/96-12/97 (130 Keuro)
 - c- 3rd phase: 1/98-12/99 (110 Keuro French and Greek contribution)

Coordinator Prof. L. Bengtsson MPI-meteorology- Hamburg; Scientific manager: Prof. J. Lelieveld, MPI-Chemistry- Mainz & University of Utrecht.
26. **Principal Investigator** of the French Contribution to the GLOMAC (EUROTRAC) [1992-1995] that has been financed by the French Government in 1993 (50 KF) and in 1994 (18 KF), no funding has been asked for 1995.

27. **Principal Investigator** of the French programme on “Modeling physicochemical processes in the troposphere” that has been financed by the Ministry of Environment and the Ministry of Research and Education (1994–1996) (230 KF)
28. **Principal Investigator** for the CFR of the programme on Modeling Tropospheric Photochemistry by using the Cray computer of the Computing Center of Paris at IDRIS. The programme has been financed after submission of scientific proposals and progress reports (1994: 90 hours CPU C-98; 1995: 350 CPU C-98; 1996: 300h CPU C-98; 1997: 300 CPU C-98).
29. **Principal Investigator** for the CFR of the French – Greek collaboration between the CFR (CNRS) and the University of Crete in 1995.
30. **Coordinator** of the French programme “toward an integrated study of methane atmospheric cycle” supported financially by the Committee ECLAT of the French Ministry of Environment (1992).

Participation in field experiments and oceanographic cruises:

- Auch (France) 31.06.86 - 06.07.86 (inhabited balloon sampling followed by analysis (at the laboratory) of air for hydrocarbons)
- St. Vaast la Hougue (Normandy, France) 28.03.87-06.04.87 (sea water sampling followed by analysis (at the laboratory) for hydrocarbons)
- TROPOZ I 11.12.87 - 22.12.87 (air sampling during aircraft flight followed by analysis (at the laboratory) for hydrocarbons)
- OCEANONOX (Frenche Brittany, France 04.07.88 - 16.07.88 (hydrocarbon in situ measurements)
- OCEANONOX (Frenche Brittany, France 04.06.89 - 16.06.89 (hydrocarbon in situ measurements)
- RITS-87-3 (leg. 1) 28-29 May 1987 – North Pacific (sea water and air sampling on board the RV Researcher followed by analysis (at the laboratory) for hydrocarbons)
- AEROBIC 96 (Tabua-Portugal), July-August 1996 (H₂O₂ and JNO₂ measurements)
- AEROBIC 97 (Pertouli-Greece), July-August 1997 (H₂O₂ and JNO₂ measurements)
- MINOS 2001 (Crete-Greece) July-August 2001
- PRE-TEST (Crete-Greece) & A-LIFE .April 2017

SCIENTIFIC PUBLICATIONS:

114 publications (2 Nature) in peer-reviewed international journals and 14 in reviewed books; 43 invited/keynote talks at international conferences and workshops and more than 150 additional (oral and poster) presentations at international conferences.

Citations (Web of science Sept 2018): 7764; h-factor 44;

ResearchID: D-7882-2012 ; <http://orcid.org/0000-0002-1724-9692>

Most cited article: Kanakidou et al., Atmos. Chem. Phys., 2005 (>1600 citations Scopus)

Presentations at conferences after invitation (keynote/invited speaker):

1. Kanakidou M., Human Driven Changes in Atmospheric Deposition of Nutrients, Gordon Conference on Ocean Biogeochemistry, Biogeochemistry of Marine Interfaces, Hong Kong, July 8-13, 2018.

2. Kanakidou M., ORGANIC AEROSOLS IN THE EARTH SYSTEM – KNOWLEDGE AND CHALLENGES, NOSA-FAAR Aerosol Symposium 2018, Helsinki March 2018
3. GESAMP WG38 Workshop on Changing Atmospheric Acidity and the Oceanic Solubility of Nutrients- *Potential changes in relevant emissions and their likely impact on atmospheric acidity*, University of East Anglia, Norwich, March 2017
4. Kanakidou M., Human driven changes in the marine atmosphere and in the nutrient deposition to the global ocean. A tribute to R. von Glasow, 2017 Joint IAPSO-IAMAS-IGA Assembly, Cape Town, August 2017
5. Kanakidou M., Emissions and fate of reactive nitrogen compounds in the atmosphere, Nitrogen workshop IEAA, Vienna, Sept 2017
6. Kanakidou M., Myriokefalitakis S., Daskalakis N., Fanourgakis G., Impact of Aerosols on Biogeochemical Cycles, in the Mediterranean, Atmospheric Processes in the Mediterranean (APM 2016), A joint ACTRIS- BACCHUS CHArMEx International Workshop, Larnaca, 17-21 Oct. 2016
7. Kanakidou M., Myriokefalitakis S., Daskalakis N., Human driven changes in atmospheric aerosol composition., 35th ITM, Platanias, Oct 2016
8. Kanakidou M., Aerosols in atmospheric chemistry and biogeochemical cycles , **International Global Atmospheric Chemistry** Project Science Conference **2016- Keynote**, Colorado, Sept 2016.
9. Kanakidou M. Organics in the atmosphere: From air pollution to biogeochemical cycles and climate (**Vilhelm Bjerknes Medal**) EGU2016-1567, EGU April 2016
10. Kanakidou M., S. Myriokefalitakis, P. Nikolaou, N. Daskalakis, C. Theodosi, A. Nenes, K. Tsigaridis , N. Mihalopoulos, Human impact on the role of dust as carrier of nutrients to the ocean, JM3 Geochemical Process and Cycles, IUGG Prague, 27-30 June 2015 (oral -invited)
11. Kanakidou M., Known unknowns in the oxidizing capacity of the atmosphere, Gordon Research Conference on Chemistry, USA, July 2013
12. Kanakidou M., Atmospheric fluxes of organic N & P to the global ocean, Duce Symposium, AMS, January 2013, Austin, USA.
13. Kanakidou M., Particle Formation: Processes and Modeling, Towards an Integrated Assessment System in South America: Air Quality Assessment and Forecasting in Megacities, San Diego, Chile, 9-12 January 2012
14. Kanakidou M., Megacities as hot spots of air pollution in the East Mediterranean: Results from the CITYZEN project, MEGAPOLI International Conference, 26-28 Sept. 2011 Paris.
15. Kanakidou M., and Tsigaridis K., Organic aerosols in the Earth System: An overview of our understanding , EGU, Vienna, April 2011
16. Kanakidou M. and Tsigaridis K., Organic aerosols in the Earth System: An overview of our understanding , IUGG, Melbourne, July 2011.
17. Kanakidou M., Synergistic use of chemistry-transport models and satellite observations: Focus on the East Mediterranean and the Black Sea, United Nations/Turkey/European Space Agency Workshop on Space Technology Applications for Socio-Economic Benefits, Istanbul, Turkey, 14-17 Sept. 2010. <http://www.tubitak.gov.tr/spaceworkshop>
18. Kanakidou M. and the East Mediterranean team, Impact of growing urbanisation on air quality and climate in the East Mediterranean - An overview of the first results from the CITYZEN project, EGU annual Conference, Geophysical Research Abstracts, Vol. 12, EGU2010-11547, 2010, EGU General Assembly 2010, Session AS3.7, Vienna, May 3rd, 2010.

19. Kanakidou M., Roland von Glasow, Laura Gallardo, How do marine emissions affect megacity air pollution? Megacities And The Coastal Zone, IGBP Fast Track Initiative meeting, Norwich, 13-15 April 2010.
20. Kanakidou M., Organic aerosols in the marine atmosphere: What do we learn from TM4-ECPL global model results and comparison with observations “ Secondary Marine Organic Aerosol Formation” COST Action 735 Working Group 1, Bologna (Italy) April 26-28, 2010.
21. Kanakidou M., Atmospheric composition changes in the global environment, MOCA 2009, Montreal, July 23, 2009 (keynote plenary)
22. M. Kanakidou, S. Myriokefalitakis, K. Tsigaridis, N. Daskalakis, Global Sources of Organic Aerosols in the Atmosphere: Reconciling model results with observations, paper presented at the Goldschmidt Conference, Davos, 23 June, 2009
23. Kanakidou M., Organics – more surprises to be expected ? IGAC-SPARC Joint Workshop “The One Atmosphere : Integration, Interface and Impacts, Kyoto, 25 Oct 2009.
24. Kanakidou M., Investigation of global budgets of reactive trace gases by synergistic use of model simulations and satellite observations, ACCENT workshop on Remote Sensing & Emission Inventories: Best of two worlds, IIASA, Dec. 5, 2007.
25. Kanakidou M., Global modeling of secondary organic aerosol (SOA) formation: Knowledge and Challenges, NATO advanced workshop on Simulation and Assessment of Chemical Processes in a Multiphase Environment, Alushta, Ukraine, 1-4 Oct., 2007.
26. Kanakidou M., Boucher O., Dentener F., Tsigaridis K., Vrekoussis M., Needs and challenges in improving current capabilities of chemistry- climate models, INTROP, ACCENT, EURO CAMP workshop on Aerosols – properties, processes and climate, Crete 21-25 April 2007.
27. Kanakidou M., Aerosols in Global Models – Focus on Europe, presented at the workshop on Regional climate variability and its impacts in the Mediterranean area, 23-27 November 2006, Marrakech, 2006.
28. Kanakidou M., Production, Properties, and removal of SOA – the fate of VOC – Volatile Organic Compounds in the Polluted Atmosphere, The 3rd ACCENT Barnsdale Expert Workshop, Oct 29- Nov 2, 2006.
29. Kanakidou M., Secondary Organics and Dust: Natural contributors to PM levels over Europe “Experience” from Crete, Contributions of natural sources to PM levels in Europe, JRC 12-13 Oct. 2006.
30. Kanakidou M., Transport and Transformation processes in the Eastern Mediterranean, presented at the ACCENT Hellenic day, October 2006.
31. Kanakidou M., Modelling Secondary Organic Aerosol Formation in the Troposphere: Knowledge and Challenges, EGU, AS3.02 Aerosol Chemistry and Microphysics (General Session), Vienna, April 4, 2006.
32. Kanakidou M., K. Tsigaridis, Secondary Organics Aerosol Involvement in the Feedbacks between biosphere, atmosphere and climate. Knowledge and Challenges, ILEAPS 1st Science Conference – Boulder, Jan 21-26, 2006.
33. Kanakidou M. and K. Tsigaridis, The role of secondary organics in aerosol formation: A global modelling approach, INTROP scientific workshop on “the routes of organics”, Jan 7-11, Alpes d’Huez, France 2006.
34. Kanakidou M. et al., PHOENICS & Global modelling of secondary organic aerosols – Natural versus Anthropogenic impacts, “The changing chemical climate”, 1st ACCENT Symposium, Sept. 12-16, Urbino, Italy, 2005
35. Kanakidou M., Modelling Secondary Organic Aerosol Formation in the Troposphere: Knowledge and Challenges, European Aerosol Conference, Gent, Belgium, August-Sept. 2005.

36. Kanakidou M., K. Tsigaridis, Secondary organic aerosol in climate models, uncertainties and involved feedback mechanisms, paper presented at the IGAC - iLEAPS - SOLAS workshop on organic aerosols and global change, 10. - 12.5.2004, Hyytiälä, Finland, 2004.
37. Kanakidou M., Feedbacks in tropospheric chemistry: How well do we understand the chemistry-climate system? Paper presented at the EGS meeting in Nice on April 2003.
38. Kanakidou M., Impact of fires on atmospheric chemistry, paper presented at the FIRE/GAIM/TRACE workshop , Igny-sur-Sorgues, France, on 23-26 Oct. 2002.
39. Kanakidou M., Marine Tropospheric Chemistry: Chemical Processes and Interactions with Transport. An Overview, presented at the EGS Conference, Nice, France, April 1998.
40. Kanakidou M., F.J. Dentener, T.K. Berntsen, W.J. Collins, D.A. Hauglustaine, S. Houweling, I. Isaksen, M. Krol, M.G. Lawrence, J.F. Muller, N. Poisson, G.J. Roelofs, Y. Wang, W.M.F. Wauben, C. Levy, 3-D global simulations of tropospheric O₃ distributions - results of the GIM/IGAC intercomparison 1997 exercise, presented at the EGS 1998 Conference, Nice, April 1998.
41. M. Kanakidou, J. Sciare, E. Baboukas, S. Belviso, T. Brauers, H.P. Dorn, U. Krichke, N. Mihalopoulos, How well can we simulate the atmospheric chemistry of the marine boundary layer of the Atlantic ocean? paper presented at the EGS 1998 Conference, Nice, April 1998.
42. Kanakidou M., The secondary source of carbon monoxide: Importance and Uncertainties, presented at the International Conference on Atmospheric CO and its environmental effects, Portland, 3-6 Dec., 1997.
43. Kanakidou M., Chemical processes in CTMs, presented at the IGAC meeting, Fairfax, Virginia, US, 6-8 Dec, 1995.
44. Kanakidou M., Crutzen P.J., and P.H. Zimmermann, 1991. Organic Nitrogen Compounds in Tropospheric Chemistry. European Geophysical Society, XVI General Assembly, Wiesbaden, 22-26 April, Annal. Geophys., supplement volume 9, C240.
45. Crutzen P.J., Valentin K. M., and Kanakidou M., 1991. Numerical Modeling of the Anthropogenic Influence on the CO and CH₄ Global Budget since the Pre-industrial Period, NATO-ARW on the Atmospheric methane cycle, Mt. Hood, Oct. 6-11. (presented by M. Kanakidou)

LIST OF PUBLICATIONS

Peer reviewed papers at International journals

1. Bonsang B., Kanakidou M., and Lambert G, Non methane hydrocarbons chemistry in the atmosphere of an equatorial forest: a case of indirect photochemical production of OH radicals. Geophys. Res. Lett., **88**, 1250-1253, 1987.
2. Bonsang B., Kanakidou M., Lambert G., and Monfray P, The marine source of C₂-C₆ aliphatic hydrocarbons. J. Atm. Chem., **6**, 3-20, **1988**.
3. Kanakidou M., Bonsang B., Le Roulley J.C., Lambert G., Martin D., and Sennequier G., Marine source of atmospheric acetylene, Nature, **333**, 51-52, 1988.
4. Bonsang B., Kanakidou M., and Lambert G., Sur la faible variabilité de composition relative de l'eau de mer superficielle en hydrocarbures légers non méthaniques dissous, Compte Rendu de l'Academie de Science, **308**, Serie II, 495-500, 1989.
5. Kanakidou M., Bonsang B., and Lambert G., Light hydrocarbons vertical profiles and fluxes in a french rural area, Atmos. Environ., **23**, 921-927, **1989**.

6. Mihalopoulos N., Bonsang B., Nguyen B.C., Kanakidou M., and Belviso S., Evidence of carbonyl sulfide deficit near the ground. Implication of vegetation. Atmos. Environ., **23**, 2159-2166, 1989.
7. Bonsang B., Kanakidou M., and Lambert G., NMHC in marine atmosphere: Preliminary results of monitoring at Amsterdam island. J. Atmos. Chem., **11**, 169-178, **1990**.
8. Bonsang B., Martin D., Lambert G., Kanakidou M., Le Rouley J.C., and G. Sennequier, Vertical distribution of nonmethane hydrocarbons in the marine boundary layer, J. Geophys. Res., **96**, 1313-1324, **1991**.
9. Kanakidou M., H.B. Singh, K.M. Valentin, and P.J. Crutzen, A 2-D study of ethane and propane oxidation in the troposphere, J. Geophys. Res., **96**, 15,395-15,413, 1991.
10. Gaudry A., Kanakidou M., Mihalopoulos N., Bonsang B., Bonsang G., Monfray P., Tymen R., and B.C. Nguyen, Atmospheric Trace Compounds at a Coastal Site: Application to CO₂, CH₄, and COS Flux Determinations, Atmos. Environ., **26A**, 145-157, **1992**.
11. Singh H. B., Herlth D., Zahnie K., O'Hara D., Bradshaw J., Sandholm S. T., Talbot R., Crutzen P. J., and M. Kanakidou, Relationship of PAN to active and total odd nitrogen at northern high latitudes: Influence of reservoir species on NO_x and O₃, J. Geophys. Res., **97**, 16523-16530, 1992.
12. Singh H.B., O'Hara D., Herlth, D., Bradshaw J., Sandholm S.T., Gregory G.L., Sachse G.W., Blake D.R., Crutzen P.J., M. Kanakidou, Atmospheric measurements of PAN and other organic nitrates at high latitudes: Possible sources and sinks, J. Geophys. Res., **97**, 16511-16522, 1992.
13. Singh H. B., and M. Kanakidou, An investigation of the Atmospheric Sources and Sinks of methyl Bromide, Geophys. Res. Lett., **20** (2), 133-136, **1993**.
14. Kanakidou M., and P. J. Crutzen, Scale problems in global tropospheric chemistry modeling: Comparison of results obtained with a three-dimensional model, adopting longitudinally uniform and varying emissions of NO_x and NMHC, Chemosphere, **26**, 1-4, 787-802, 1993.
15. Singh H.B., D. O'Hara, D. Herlth, W. Sachse, D. R. Blake, J. D. Bradshaw, M. Kanakidou, P. J. Crutzen, Acetone in the atmosphere: distribution, sources and sinks, J. Geophys. Res., **99**, 1805-1819, **1994**.
16. Kanakidou M., F.J. Dentener, P.J. Crutzen, A Global three-dimensional study of the fate of HCFCs and HFC-134a in the troposphere, J. Geophys. Res., **100**, 18781-18802, **1995**.
17. F. Stordal, F.G. Derwent, I.S.A. Isaksen, D. Jacob, M. Kanakidou, J.A. Logan, and M.J. Prather, 1995. Model Simulations of Global Tropospheric Ozone, Chapter 7, Scientific Assessment of Ozone Depletion/ 1994. United Nations Environment Programme and World Meteorological Organization. 1994, 33 pp.
18. Singh H.B., M. Kanakidou, P.J. Crutzen and D. Jacob, High concentrations and photochemical fate of carbonyls and alcohols in the global troposphere, Nature, **378**, 50-54, 1995
19. Singh H.B., A. N. Thakur, Y.E. Chen and M. Kanakidou, Tetrachloroethylene as an Indicator of Low Cl Atom Concentrations in the Troposphere, Geophys. Res. Lett., **23**, 1529-1532, 1996.
20. Singh H.B., D. Herlth, R. Kolyer, L. Salas, J.D. Bradshaw, S.T. Sandholm, D.D. Davis, Y.Kondo, M. Koike, R.Talbot, G.L. Gregory, G.W. Sachse, E. Browell, D. R. Blake, F.S. Rowland, R. Newell, J. Merrill, B. Heikes, S.C. Liu, P.J. Crutzen and M. Kanakidou, Reactive Nitrogen and Ozone over the Western Pacific: Distribution, partitioning and sources, J. Geophys. Res., **101**, 1793-1808, **1996**.

21. Boissard Ch., B. Bonsang, M. Kanakidou and G. Lambert, TROPOZ II: Global Distributions and budgets of methane and light hydrocarbons, J. Atmos. Chem., **25**, 115-148, 1996.
22. Gogou A., N. Stratigakis, M. Kanakidou and E. G. Stephanou, Fine organic aerosols in the Eastern Mediterranean: Components source reconciliation by using molecular markers and atmospheric back trajectories, Organic Geochemistry, 25,79-96, 1996.
23. Olson J., M. Prather, T. Berntsen, G. Carmichael, R. Chatfield, P. Connell, R. Derwent, L. Horowitz, S. Jin, M. Kanakidou, P., Kasibhalta, R. Kotomarthi, M. Kuhn, K. Law, S. Sillman, J. Penner, L. Perliski, F. Stordal, A. Thompson, and O. Wild, results from the IPCC Photochemical Model Intercomparison: Some insights into tropospheric chemistry, J. Geophys. Res., **102**, D5, 5979-5992, **1997**.
24. Mihalopoulos N., E. Stephanou, M. Kanakidou, S. Pilitsidis and P. Bousquet, Tropospheric aerosol ionic composition above the Eastern Mediterranean Area, Tellus B, 314-326, 1997.
25. Ezat U., Dulac F., Lambert C., Kanakidou M., Mihalopoulos N., and Kouvarakis G., Dust and Lead in Rainwaters of Crete, J. Aerosol Science, September, 1997.
26. Gros V., Martin D., Poisson N., Kanakidou M., Bonsang B., F. Le Guern, Ozone, C2-C5 hydrocarbons observations in the Marine Boundary layer between 45°S and 77°S, Tellus, **50B**, 430-448, **1998**.
27. Gros V. Poisson N., Martin D., Kanakidou M., B. Bonsang, Observation and modelling of the seasonal variation of surface ozone at Amsterdam island: 1994-1996. The role of continental sources of O3 precursors, J. Geophys. Res., **103**, 28103-28109, 1998.
28. M. Kanakidou*, F.J. Dentener, G.P. Brasseur, T.K. Berntsen, W.J. Collins, D.A. Hauglustaine, S. Houweling, I.S.A. Isaksen, M. Krol, M.G. Lawrence, J.F. Muller, N. Poisson, G.J. Roelofs, Y. Wang, W.M.F. Wauben, 3-D global simulations of tropospheric CO distributions - results of the GIM/IGAC intercomparison 1997 exercise, Chemosphere: Global Change Science, **1**, 263-282, **1999**.
29. M. Kanakidou* and P.J. Crutzen, The photochemical source of carbon monoxide: Importance, Uncertainties and feedbacks, Chemosphere: Global Change Science, **1**, 91-109, 1999.
30. G. Kouvarakis, K. Tsigaridis, M. Kanakidou, and N. Mihalopoulos, Temporal variations of surface background ozone over Crete Island in the South-East Mediterranean, J Geophys. Res., **105**, 4399-4410, **2000**.
31. Baboukas E. D., Kanakidou M., and Mihalopoulos N., Carboxylic acids in gas and particulate phase above the Atlantic Ocean , J. Geophys. Res., **105**, 14459-14472, 2000.
32. Sciare J., Baboukas E.D., Kanakidou M., Kriscke U., Belviso S., Bardouki H., Mihalopoulos N., Spatial and temporal variability of atmospheric sulfur containing gases and particles during the Albatross campaign, J. Geophys. Res., **105**, 14433- 14448, 2000.
33. Law K.S., Planttevin, P.H., Thouret, V., Marengo, A., Asman W.A.H., Lawrence, M., Crutzen, P.J., Muller, J.F., Hauglustaine, D., Kanakidou M., Comparison between global chemistry transport model results and measurement of Ozone and water vapour by Airbus In-Service Aircraft (MOZAIC), Data, J. Geophys. Res., **105**, 1503-1525, 2000.

34. Sciare J., Kanakidou M., N. Mihalopoulos, Diurnal and seasonal variation of atmospheric dimethyl sulfoxide (DMSO) at Amsterdam island in the southern indian ocean, J. Geophys. Res., **105**, 17257-17265, 2000.
35. Poisson N., Kanakidou M.* and P. J. Crutzen, Impact of Non Methane Hydrocarbons on tropospheric chemistry and the oxidizing power of the global troposphere: 3-Dimensional Modelling results, J. Atmos. Chem., **36**, 157-230, 2000.
36. Kanakidou M.*, K. Tsigaridis, F. J. Dentener and P.J. Crutzen, Human activity enhances the formation of organic aerosols by biogenic hydrocarbon oxidation, J. Geophys. Res., **105**, 9243-9254, 2000. <http://www.agu.org/pubs/crossref/2000/1999JD901148.shtml>
37. Poisson N., Kanakidou M.*, Bonsang B., T. Behmann, J. Burrows, C. Gölz, H. Harder, A. Lewis, G. K. Moortgat, T. Nunes, C. Pio, U. Platt, F. Sauer, G. Schuster, P. Seakins, J. Senzig, R. Seuwen, D. Trapp, A. Voltz-Thomas, T. Zenker, R. Zitzelberger, The Impact of Natural NonMethane Hydrocarbon Oxidation on the Free Radical and Ozone budgets above a Eucalyptus forest, Chemosphere., Global Change Science, **3**, 353-366, **2001**.
38. Bonsang B., and M. Kanakidou, Nonmethane hydrocarbon measurements during the FIELDVOC 1994 experiment, Chemosphere, Global Change Science, **3**, 259-273, 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., et al.. 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** (27), 4699-4711, 2001.
40. Moortgat G.K., Bonsang B., Kanakidou M., Field studies on the atmospheric chemistry of volatile organic compounds emitted in a eucalyptus forest (FIELDVOC'94), Chemosphere - Global Change Science, **3**, 209-210, 2001.
41. Ehhalt D., M Prather, F Dentener, R Derwent, Edward J Dlugokencky, E Holland, I Isaksen, J Katima, V Kirchhoff, P Matson, P Midgley, M Wang, T Berntsen, I Bey, G Brasseur, L Buja, WJ Collins, JS Daniel, WB DeMore, N Derek, R Dickerson, D Etheridge, J Feichter, P Fraser, R Friedl, J Fuglestvedt, M Gauss, L Grenfell, Arnulf Grubler, N Harris, D Hauglustaine, L Horowitz, C Jackman, D Jacob, L Jaeglé, Atul K Jain, M Kanakidou, S Karlsdottir, M Ko, M Kurylo, M Lawrence, JA Logan, M Manning, D Mauzerall, J McConnell, LJ Mickley, S Montzka, JF Muller, J Olivier, K Pickering, G Pitari, G-J Roelofs, H Rogers, B Rognerud, Steven J Smith, S Solomon, J Staehelin, P Steele, DS Stevenson, J Sundet, A Thompson, M van Weele, R von Kuhlmann, Y Wang, DK Weisenstein, TM Wigley, O Wild, DJ Wuebbles, R Yantosca, Fortunat Joos, M McFarland, Atmospheric chemistry and greenhouse gases, Chapter 4 of the IPCC Third Assessment Report Climate Change 2001, Group 1: The Scientific Basis, 2001.
42. Tsigaridis K. and Kanakidou M.*, Importance of Volatile Organic Compounds Photochemistry Over a Forested Area in Central Greece, Atmos. Environ., **36**, 19, 3137-3146, 2002.
43. Gros V., Tsigaridis K., Bonsang B., Kanakidou M.* and Pio C., Factors Controlling the Diurnal Variation of CO Above a Forested Area in South East Europe, Atmos. Environ., **36**, 19, 3127-3135, 2002.
44. Tsigaridis K., Kanakidou M.*, Global modelling of secondary organic aerosol in the troposphere: A sensitivity analysis, Atmos. Chem. Phys., **3**, 1849-1869, 2003. http://www.cosis.net/members/journals/df/abstract.php?a_id=422

45. Vrekoussis, M., Kanakidou M.*, Mihalopoulos N., Crutzen P. J., Lelieveld J., Perner D., Berresheim H., Baboukas E., Role of the NO₃ radicals in oxidation processes in the eastern Mediterranean troposphere during the MINOS campaign, *Atmos. Chem. Phys.*, 4, 169–182, 2004. SRef-ID: 1680-7324/acp/2004-4-169. <http://www.copernicus.org/EGU/acp/acp/4/169/acp-4-169.pdf>
46. Kanakidou, M.*, J. H. Seinfeld, S. N. Pandis, I. Barnes, F. J. Dentener, M. C. Facchini, R. van Dingenen, B. Ervens, A. Nenes, C. J. Nielsen, E. Swietlicki, J.P. Putaud, Y. Balkanski, S. Fuzzi, J. Horth, G. K. Moortgat, R. Winterhalter, C. E. L. Myhre, K. Tsigaridis, E. Vignati, E. G. Stephanou, J. Wilson. Organic aerosol and global climate modelling: A review, *Atmos. Chem. Phys.*, 5, 1053–1123, 2005. SRef-ID: 1680-7324/acp/2005-5-1053. <http://www.copernicus.org/EGU/acp/acp/5/1053/acp-5-1053.htm>
47. Tsigaridis K., J. Lathiere, M. Kanakidou*, D. Hauglustaine, Naturally driven variability in the global secondary organic aerosol over a decade, *Atmos. Chem. Phys.*, 5, 1891–1904, 2005, SRef-ID: 1680-7324/acp/2005-5-1891. www.atmos-chem-phys.org/acp/5/1891/
48. Gerasopoulos E., G. Kouvarakis, M. Vrekoussis, M. Kanakidou and N. Mihalopoulos*, Ozone variability in the marine boundary layer of the Eastern Mediterranean based on 7-year observations, *J. Geophys. Res.*, 110, D15309, doi:10.1029/2005JD005991, 2005.
49. S. Fuzzi*, M. O. Andreae, B. J. Huebert, M. Kulmala, T. C. Bond, M. Boy, S. J. Doherty, A. Guenther, M. Kanakidou, K. Kawamura, V.-M. Kerminen, U. Lohmann, L. M. Russell, U. Pöschl, Critical assessment of the current state of scientific knowledge, terminology, and research needs concerning the role of organic aerosols in the atmosphere, climate, and global change, *Atmos. Chem. Phys.*, 6, 2017–2038, 2006, www.atmos-chem-phys.net/6/2017/2006/
50. Vrekoussis M., Liakakou, N. Mihalopoulos, M. Kanakidou*, P.J. Crutzen, J. Lelieveld, Formation of HNO₃ and NO₃⁻ in the anthropogenically-influenced eastern Mediterranean marine boundary layer, *Geophys. Res. Letter*, 33, L05811, doi:10.1029/2005GL025069, 2006. http://www.spaceweather.ac.cn/publication/jgrs/2006/Geophysical_Research_Letters/mar/2005GL025069.pdf
51. Gerasopoulos E., G. Kouvarakis, M. Vrekoussis, Ch. Donoussis, N. Mihalopoulos, M. Kanakidou*, Photochemical ozone production in the Eastern Mediterranean, *Atmos. Environ.*, 40, 3057–3069, 2006.
52. Balis D.*, V. Amiridis, S. Kazadzis, A. Papayannis, G. Tsaknakis, S. Tzortzakakis, 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, *Annales Geophysicae*, Vol. 24, pp 807–821, 19–5-2006, <http://overview.sref.org/1432-0576/ag/2006-24-807>
53. Tsigaridis K., M. Krol, F. J. Dentener, Y. Balkanski, J. Lathière, S. Metzger, D. A. Hauglustaine and M. Kanakidou*, Change in global aerosol composition since preindustrial times, *Atmos. Chem. Phys.*, 6, 5143–5162, 2006. www.atmos-chem-phys.net/6/5143/2006/
54. Wittrock, F., Richter, A., Oetjen, H., Burrows, J.P., Kanakidou, M., Myriokefalitakis, S., Volkamer, R., Beirle, S., Platt, U., and Wagner, Th., Simultaneous Global Observations of Glyoxal and Formaldehyde from Space, *Geophys. Res. Letters*, 33, L16804, doi:10.1029/2006GL026310, 2006.
55. Vrekoussis, M., N. Mihalopoulos, E. Gerasopoulos, M. Kanakidou*, P. J. Crutzen and J. Lelieveld, Two-years of NO₃ radical observations in the boundary layer over the Eastern Mediterranean, *Atmos. Chem. Phys. Discuss.*, 6, 9517–9544, 2006, www.atmos-chem-phys-discuss.net/6/9517/2006/ and *Atmos. Chem. Phys.*, 7, 315–327, 2007, www.atmos-chem-phys.net/7/315/2007/

56. 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. Environment, doi:10.1016/j.atmosenv.2006.09.034, 2007.
57. Tsigaridis K., and M., Kanakidou*, Secondary organic aerosol importance in the future atmosphere, Atmos. Environ, 41, 4682–4692, doi:10.1016/j.atmosenv.2007.03.045, 2007.
58. 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. www.atmos-chem-phys.net/7/4661/2007/
59. 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, Atmospheric Environment doi:10.1016/j.atmosenv.2007.04.039, 2007.
60. Ladstätter-Weißenmayer A., M. Kanakidou, J. Meyer-Arne, E. V. Dermizaki, A. Richter, M. Vrekoussis, F. Wittrock, and J. P. Burrows, Pollution events over the East Mediterranean: Synergistic use of GOME, ground based and sonde observations and models, Atmos. Environ., doi:10.1016/j.atmosenv.2007.05.031, 2007.
61. Zanis, P., E. Katragkou, M. Kanakidou, B. Psiloglou, S. Karathanasis, M. Vrekoussis, E. Gerasopoulos, I. Lysaridis, K. Markakis, A. Poupkou, V. Amiridis, D. Melas, N. Mihalopoulos, and C. Zerefos, Effects on surface atmospheric photo-oxidants over Greece during the total solar eclipse event of 29 March 2006, Atmos. Chem. Phys., 7, 6061–6073, 2007, www.atmos-chem-phys.net/7/6061/2007/
62. E. Gerasopoulos, C. S. Zerefos, I. Tsagouri, D. Founda, V. Amiridis, A. F. Bais, A. Belehaki, N. Christou, G. Economou, M. Kanakidou, A. Karamanos, M. Petrakis, and P. Zanis, The Total Solar Eclipse of March 2006: overview, Atmos. Chem. Phys., 8, 5205–5220, 2008. www.atmos-chem-phys.net/8/5205/2008/
63. Myriokefalitakis S., Vrekoussis M., Tsigaridis K., Wittrock F., Richter A., Brühl, C., Volkamer R., Burrows J.P., Kanakidou M.*, The influence of natural and anthropogenic secondary sources on the glyoxal global distribution, Atmos. Chem. Phys., 8, 4965–4981, 2008. www.atmos-chem-phys.net/8/4965/2008/
64. Papadimas Ch., 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, 2987–2999, 2009. www.atmos-chem-phys.net/9/2987/2009/
65. Ladstätter-Weißenmayer A. and A. Richter, J.P. Burrows, M. Kanakidou, R.J. Law, Th. Wagner, P. Borrell, A Graduate-Level Online Module for Teaching Remote Sensing of Tropospheric NO₂ from Space, J. of Chemical Education, 86, 750–756, 6 June 2009.
66. Stavrakou, T. J.-F. Müller, I. De Smedt, M. Van Roozendaal, M. Kanakidou, M. Vrekoussis, F. Wittrock, A. Richter, and J. P. Burrows: The continental source of glyoxal estimated by the synergistic use of spaceborne measurements and inverse modelling, Atmos. Chem. Phys., 9, 8431–8446, 2009. www.atmos-chem-phys.net/9/8431/2009/

67. Liakakou, E. B. Bonsang, J. Williams, N. Kalivitis, M. Kanakidou, N. Mihalopoulos, C2–C8 NMHCs over the Eastern Mediterranean: Seasonal variation and impact on regional oxidation chemistry, *Atmospheric Environment*, doi:10.1016/j.atmosenv.2009.07.067, 2009.
68. Monks P. et al., Atmospheric composition change – global and regional air quality, *Atmospheric Environment*, doi:10.1016/j.atmosenv.2009.08.021, 2009.
69. Vignati, E., Facchini, M.C., Rinaldi, M., Scannell, C., Ceburnis, D., Sciare, J., Kanakidou, M., Myriokefalitakis, S., Dentener, F., O'Dowd, C.D. Global scale emission and distribution of sea spray aerosol: Sea-salt and organic enrichment, *Atmospheric Environment*, doi: 10.1016/j.atmosenv.2009.11.013, 2010.
70. Myriokefalitakis S., Vignati E., Tsigaridis K., Papadimas C., Sciare J., Mihalopoulos N., Facchini M. C., Rinaldi M., Dentener F. J., Ceburnis D., Hatzianastasiou N., O'Dowd C.D., van Weele M., Kanakidou M.*, Global modelling of the oceanic source of organic aerosols, *Advances in Meteorology*, Volume (2010), Article ID 939171. doi:10.1155/2010/939171, 2010 <http://www.hindawi.com/journals/amet/aip.939171.html>
71. Kanakidou M.*, Mihalopoulos N., Kindap T., Im U., Vrekoussis M., Gerasopoulos E., Dermitzaki E., Unal A., Kocak M., Markakis K., Melas D., Kouvarakis G., Youssef A.F., Richter A., Hatzianastasiou N., Hilboll A., Ebojie F., Wittrock F, von Savigny C., Burrows J.P., Megacities as hot spots of air pollution in the East Mediterranean, *Atmospheric Environment*, 45, 1223-1235, <http://dx.doi.org/10.1016/j.atmosenv.2010.11.048>, 2011
72. Arsene, C., Olariu, R.I., Zarmpas, P., Kanakidou M., Mihalopoulos, N., Ion composition of coarse and fine particles in Iasi, north-eastern Romania: Implications for aerosols chemistry in the area, *Atmos. Environment*, 45, 906-916, doi:10.1016/j.atmosenv.2010.11.013, 2011.
73. Myriokefalitakis, S., Tsigaridis, K., Mihalopoulos, N., Sciare, J., Nenes, A., Kawamura, K., Segers, A., and Kanakidou, M.*: In-cloud oxalate formation in the global troposphere: a 3-D modeling study, *Atmos. Chem. Phys.*, 11, 5761–5782, 2011 www.atmos-chem-phys.net/11/5761/2011/ doi:10.5194/acp-11-5761-2011
74. Im, U., Markakis, K., Poupkou, A., Melas, D., Unal, A., Gerasopoulos, E., Daskalakis, N., Kindap, T., and Kanakidou, M.*: The impact of temperature changes on summer time ozone and its precursors in the Eastern Mediterranean, *Atmos. Chem. Phys.*, 11, 3847-3864, doi:10.5194/acp-11-3847-2011, 2011
75. Okin, G. S., A. R. Baker, I. Tegen, N. M. Mahowald, F. J. Dentener, R. A. Duce, J. N. Galloway, K. Hunter, M. Kanakidou, N. Kubilay, J. M. Prospero, M. Sarin, V. Surapipith, M. Uematsu, and T. Zhu (2011), Impacts of atmospheric nutrient deposition on marine productivity: roles of nitrogen, phosphorus, and iron, *Global Biogeochem. Cycles*, 25, GB2022, doi:10.1029/2010GB003858.
76. Hunter, K. A., P. S. Liss, V. Surapipith, Fr. Dentener, R. Duce, M. Kanakidou, N. Kubilay, N. Mahowald, G. Okin, M. Sarin, M. Uematsu and T. Zhu Impacts of anthropogenic SO_x, NO_x and NH₃ on acidification of coastal waters and shipping lanes, *Geophys. Res. Lett.*, 38, L13602, doi:10.1029/2011GL047720, 2011.
77. Kulmala, M., Asmi, A., Lappalainen, H. K., Baltensperger, U., Brenguier, J.-L., Facchini, M. C., Hansson, H.-C., Hov, Ø., O'Dowd, C. D., Pöschl, U., Wiedensohler, A., Boers, R., Boucher, O., de Leeuw, G., Denier van den Gon, H., Feichter, J., Krejci, R., Laj, P., Lihavainen, H., Lohmann, U., McFiggans, G., Mentel, T., Pilinis, C., Riipinen, I., Schulz, M., Stohl, A., Swietlicki, E., Vignati, E., Amann, M., Amann, M., Alves, C., Arabas, S., Artaxo, P., Beddows, D. C. S., Bergström, R., Beukes, J. P., Bilde, M., Burkhardt, J. F., Canonaco, F., Clegg, S.,

Coe, H., Crumeyrolle, S., D'Anna, B., Decesari, S., Gilardoni, S., Fischer, M., Fjæraa, A. M., Fountoukis, C., George, C., Gomes, L., Halloran, P., Hamburger, T., Harrison, R. M., Herrmann, H., Hoffmann, T., Hoose, C., Hu, M., Hörrak, U., Iinuma, Y., Iversen, T., Josipovic, M., Kanakidou, M., Kiendler-Scharr, A., Kirkevåg, A., Kiss, G., Klimont, Z., Kolmonen, P., Komppula, M., Kristjánsson, J.-E., Laakso, L., Laaksonen, A., Labonnote, L., Lanz, V. A., Lehtinen, K. E. J., Makkonen, R., McMeeking, G., Merikanto, J., Minikin, A., Mirme, S., Morgan, W. T., Nemitz, E., O'Donnell, D., Panwar, T. S., Pawlowska, H., Petzold, A., Pienaar, J. J., Pio, C., Plass-Duelmer, C., Prévôt, A. S. H., Pryor, S., Reddington, C. L., Roberts, G., Rosenfeld, D., Schwarz, J., Seland, Ø., Sellegri, K., Shen, X. J., Shiraiwa, M., Siebert, H., Sierau, B., Simpson, D., Sun, J. Y., Topping, D., Tunved, P., Vaattovaara, P., Vakkari, V., Veefkind, J. P., Visschedijk, A., Vuollekoski, H., Vuolo, R., Wehner, B., Wildt, J., Woodward, S., Worsnop, D. R., van Zadelhoff, G.-J., Zardini, A. A., Zhang, K., van Zyl, P. G., Kerminen, V.-M., S. Carslaw, K., and Pandis, S. N.: General overview: European Integrated project on Aerosol Cloud Climate and Air Quality interactions (EUCAARI) – integrating aerosol research from nano to global scales, *Atmos. Chem. Phys. Discuss.*, 11, 17941-18160, doi:10.5194/acpd-11-17941-2011, 2011; *Atmos. Chem. Phys.*, 11, 13061-13143, 2011, doi:10.5194/acp-11-13061-2011.

78. Im, U. and Kanakidou, M.*: Summertime impacts of Eastern Mediterranean megacity emissions on air quality, *Atmos. Chem. Phys. Discuss.*, 11, 26657-26690, doi:10.5194/acpd-11-26657-2011, 2011. Im, U. and Kanakidou, M.*: Impacts of East Mediterranean megacity emissions on air quality, *Atmos. Chem. Phys.*, 12, 6335-6355, doi:10.5194/acp-12-6335-2012, 2012.
79. Keywood, M., M. Kanakidou, A. Stohl, C. P. Meyer, K. Torseth, D. Edwards, J. Burrows, A. M. Thompson, U. Lohmann, Fire in the Air – Biomass burning impacts in a changing climate, *Critical Reviews in Environmental Science and Technology*, 43:1, 40-83, 2013, <http://dx.doi.org/10.1080/10643389.2011.604248>
80. Im, U., K. Markakis, M. Koçak, E. Gerasopoulos, N. Daskalakis, N. Mihalopoulos, A. Poupkou, T. Kindap, A. Unal, M. Kanakidou*. Summertime aerosol chemical composition in the Eastern Mediterranean and its sensitivity to temperature, *Atmospheric Environment*, 50, 164-173, doi:10.1016/j.atmosenv.2011.12.044, 2012
81. Matsoukas, C., Benas, N., Hatzianastassiou, N., Pavlakis, K. G., Kanakidou, M., and Vardavas, I.: Potential evaporation trends over land between 1983–2008: driven by radiative fluxes or vapour-pressure deficit?, *Atmos. Chem. Phys.*, 11, 7601-7616, doi:10.5194/acp-11-7601-2011, 2011.
82. Christodoulaki S., Petihakis, G., Kanakidou, M.*, Mihalopoulos, N., Tsiaras, K., Triantafyllou, G., Atmospheric deposition in the Eastern Mediterranean, A driving force for ecosystem dynamics, *J. Mar. Syst.* (2013), 109–110, 78–93, doi:10.1016/j.jmarsys.2012.07.007, 2013.
83. Papadimas, C. D., N. Hatzianastassiou, C. Matsoukas, M. Kanakidou, N. Mihalopoulos, and I. Vardavas, The direct effect of aerosols on solar radiation over the broader Mediterranean basin, *Atmos Chem. Phys.*, 2012, 12, 7165. <http://www.atmos-chem-phys.net/12/7165/2012/>
84. Kanakidou, M.*, Duce, R.A., Prospero, J., Baker, A.R., Benitez-Nelson, C., Dentener, F.J., Hunter, K.A., Liss, P.S., Mahowald, N., Okin, G., Sarin, M., Tsigaridis, K., Uematsu, M., Zamora, L.M., Zhu, T., 2012. Atmospheric fluxes of organic N and P to the global ocean. *Global Biogeochemical Cycles*, 10.1029/2011GB004277.
85. Roland von Glasow, Tim D. Jickells, Alexander Baklanov, Gregory R. Carmichael, Tom M. Church, Laura Gallardo, Claire Hughes, Maria Kanakidou, Peter S. Liss, Laurence Mee, Robin Raine, Purvaja Ramachandran, R. Ramesh, Kyrre Sundseth, Urumu Tsunogai, Mitsuo Uematsu, Tong Zhu, Megacities in the Coastal Zone, *AMBIO*, 42, 13-48, 2013. DOI 10.1007/s13280-012-0343-9 2012.

86. Gerasopoulos, E., S. Kazadzis, M. Vrekoussis, G. Kouvarakis, E. Liakakou, N. Kouremeti, D. Giannadaki, M. Kanakidou, B. Bohn, and N. Mihalopoulos, Factors affecting O₃ and NO₂ photolysis frequencies measured in the eastern Mediterranean during the five-year period 2002–2006, *J. Geophys. Res.*, 117, D22305, doi:10.1029/2012JD017622, 2012.
87. Rojas M., L. Z. Li , M. Kanakidou, N. Hatzianastassiou, G. Seze, H. Le Treut, Winter weather regimes over the Mediterranean region: their role for the regional climate and projected changes in the twenty-first century, *Clim Dyn*, DOI 10.1007/s00382-013-1823-8, **2013**.
88. Im U., S. Christodoulaki, K. Violaki, P. Zarbas, M. Kocak, N. Daskalakis, N. Mihalopoulos and M. Kanakidou*, Atmospheric deposition of nitrogen and sulfur over Europe with focus on the Mediterranean and the Black Sea, *Atmospheric Environment*, 81, 660-670, <http://dx.doi.org/10.1016/j.atmosenv.2013.09.048>, 2013.
89. Im U., Daskalakis N., Markakis K., Vrekoussis M., Hjorth J., Myriokefalitakis S., Gerasopoulos E., Kouvarakis G., Richter A., Burrows J., Pozzoli L., Unal A., Kindap T., Kanakidou M.*, Simulated Air Quality and Pollutant Budgets over Europe in 2008, *Science of Total Environment*, 10.1016/j.scitotenv.2013.09.090, 470–471, 270–281, 2014.
90. H.Ozdemir; L. Pozzoli; T. Kindap; G. Demir; B. Mertoglu; N. Mihalopoulos; Ch. Theodosi; M. Kanakidou; U. Im; A. Unal, Spatial and Temporal Analysis of Black Carbon Aerosols in Istanbul Megacity, *Science of Total Environment*, 473–474, Pages 451–458, 2014.
91. Poupkou,A., K. Markakis, N. Liora, T.M. Giannaros, P. Zanis, U. Im, N. Daskalakis, S. Myriokefalitakis, J.W. Kaiser, D. Melas, M. Kanakidou, T. Karacostas, C. Zerefos, A modeling study of the impact of the 2007 Greek forest fires on the gaseous pollutant levels in the Eastern Mediterranean, *Atmospheric Research* 148 (2014) 1–17, <http://dx.doi.org/10.1016/j.atmosres.2014.05.015>
92. Tsigaridis K., N. Daskalakis, M. Kanakidou, P. J. Adams, P. Artaxo, R. Bahadur, Y. Balkanski, S. E. Bauer, N. Bellouin, A. Benedetti, T. Bergman, T. K. Berntsen, J. P. Beukes, H. Bian, K. S. Carslaw, M. Chin, G. Curci, T. Diehl, R. C. Easter, S. J. Ghan, S. L. Gong, A. Hodzic, C. R. Hoyle, T. Iversen, S. Jathar, J. L. Jimenez, J. W. Kaiser, A. Kirkevåg, D. Koch, H. Kokkola, Y. H Lee, G. Lin, X. Liu, G. Luo, X. Ma, G. W. Mann, N. Mihalopoulos, J.-J. Morcrette, J.-F. Muller, G. Myhre, S. Myriokefalitakis, N. L. Ng, D. O'Donnell, J. E. Penner, L. Pozzoli, K. J. Pringle, L. M. Russell, M. Schulz, J. Sciare, O. Seland, D. T. Shindell, S. Sillman, R. B. Skeie, D. Spracklen, T. Stavrakou, S. D. Steenrod, T. Takemura, P. Tiitta, S. Tilmes, H. Tost, T. van Noije, P. G. van Zyl, K. von Salzen, F. Yu, Z. Wang, Z. Wang, R. A. Zaveri, H. Zhang, K. Zhang, Q. Zhang, and X. Zhang, The AeroCom evaluation and intercomparison of organic aerosol in global models, *Atmospheric Chemistry and Physics*, 2014, 14, pp. 10845-10895
93. Daskalakis, N., Myriokefalitakis, S., and Kanakidou, M.*: Sensitivity of tropospheric loads and lifetimes of short lived pollutants to fire emissions, *Atmos. Chem. Phys. Discuss.*, 14, 22639-22676, doi:10.5194/acpd-14-22639-2014, 2014. *Atmos. Chem. Phys.*, 15, 3543-3563, doi:10.5194/acp-15-3543-2015, 2015
94. Guieu, C., O. Aumont, A. Paytan, L. Bopp, C. S. Law, N. Mahowald, E. P. Achterberg, E. Marañón, B. Salihoglu, A. Crise, T. Wagener, B. Herut, K. Desboeufs, M. Kanakidou, N. Olgun, F. Peters, E. Pulido-Villena, A. Tovar-Sanchez and C. Völker (2014), The significance of the episodic nature of atmospheric deposition to Low Nutrient Low Chlorophyll regions, *Global Biogeochem. Cycles*, 28, 1179–1198, doi:10.1002/2014GB004852.
95. Myriokefalitakis, S., Daskalakis, N., Mihalopoulos, N., Baker, A. R., Nenes, A., and Kanakidou, M.*: Changes in dissolved iron deposition to the oceans driven by human activity: a 3-D

global modelling study, *Biogeosciences*, 12, 3973-3992, doi:10.5194/bg-12-3973-2015, 2015.
<http://www.biogeosciences.net/12/3973/2015/bg-12-3973-2015.html>

96. B. Quennehen, J.-C. Raut, K. S. Law, N. Daskalakis, G. Ancellet, C. Clerbaux, S.-W. Kim, M. T. Lund, G. Myhre, D. J. L. Olivié, S. Safieddine, R. B. Skeie, J. L. Thomas, S. Tsyro, A. Bazureau, N. Bellouin, M. Hu, M. Kanakidou, Z. Klimont, K. Kupiainen, S. Myriokefalitakis, J. Quaas, S. T. Rumbold, M. Schulz, R. Cherian, A. Shimizu, J. Wang, S.-C. Yoon, and T. Zhu Multi-model evaluation of short-lived pollutant distributions over East Asia during summer 2008, *Atmos. Chem. Phys.*, 16, 10765–10792, 2016.
97. S. Eckhardt, B. Quennehen, D.J.L. Olivié, T.K. Berntsen, R. Cherian, J.H. Christensen, W. Collins, S. Crepinsek, N. Daskalakis, M. Flanner, A. Herber, C. Heyes, Ø. Hodnebrog, L. Huang, M. Kanakidou, Z. Klimont, J. Langner, K.S. Law, A. Massling, S. Myriokefalitakis, I.E. Nielsen, J.K. Nøjgaard, J. Quaas, P.K. Quinn, J.-C. Raut, S.T. Rumbold, M. Schulz, R.B. Skeie, H. Skov, M.T. Lund, T. Uttal, K. von Salzen, R. Mahmood, and A. Stohl, Current model capabilities for simulating black carbon and sulfate concentrations in the Arctic atmosphere: a multi-model evaluation using a comprehensive measurement data set, *Atmos. Chem. Phys.*, 15, 9413-9433, 2015.
98. Stohl, A., Aamaas, B., Amann, M., Baker, L. H., Bellouin, N., Berntsen, T. K., Boucher, O., Cherian, R., Collins, W., Daskalakis, N., Dusinska, M., Eckhardt, S., Fuglestad, J. S., Harju, M., Heyes, C., Hodnebrog, Ø., Hao, J., Im, U., Kanakidou, M., Klimont, Z., Kupiainen, K., Law, K. S., Lund, M. T., Maas, R., MacIntosh, C. R., Myhre, G., Myriokefalitakis, S., Olivié, D., Quaas, J., Quennehen, B., Raut, J.-C., Rumbold, S. T., Samset, B. H., Schulz, M., Seland, Ø., Shine, K. P., Skeie, R. B., Wang, S., Yttri, K. E., and Zhu, T.: Evaluating the climate and air quality impacts of short-lived pollutants, *Atmos. Chem. Phys.*, 15, 10529-10566, doi:10.5194/acp-15-10529-2015, 2015.
99. Christodoulaki S., G. Petihakis, N. Mihalopoulos, K. Tsiaras, G. Triantafyllou, M. Kanakidou, Human-Driven Atmospheric Deposition of N and P Controls on the East Mediterranean Marine Ecosystem, *Journal of the Atmospheric Sciences*, April 2016, Vol. 73, No. 4, 1611- 1619, Published online on 22 Jan 2016, DOI: <http://dx.doi.org/10.1175/JAS-D-15-0241.1>
100. Kanakidou M.*, S. Myriokefalitakis, N. Daskalakis, G. Fanourgakis, A. Nenes, A. Baker, K. Tsigaridis, N. Mihalopoulos, Past, Present and Future Atmospheric Nitrogen Deposition, *Journal of the Atmospheric Sciences (JAS-D-15-0278)* Vol 73, 2039-2047, 2016.
101. Myriokefalitakis S., N. Daskalakis, G. S. Fanourgakis, A. Voulgarakis, M. C. Krol, J. M. J. Aan de Brugh and M. Kanakidou*, Pollution over the Mediterranean Basin: The Importance of Long-Range Transport on ozone and carbon monoxide, *Science of The Total Environment*, 563–564, Pages 40–521, September 2016.
102. Bougiatioti, A., Nikolaou, P., Stavroulas, I., Kouvarakis, G., Nenes, A., Weber, R., Kanakidou, M., and Mihalopoulos, N.: Particle water and pH in the Eastern Mediterranean: sources variability and implications for nutrients availability, *Atmos. Chem. Phys.*, 16, 4579–4591, 2016 www.atmos-chem-phys.net/16/4579/2016/
103. Daskalakis, N., Tsigaridis, K., Myriokefalitakis, S., Fanourgakis, G. S., and Kanakidou, M.*: Large gain in air quality compared to an alternative anthropogenic emissions scenario, *Atmos. Chem. Phys.*, 16, 9771-9784, doi:10.5194/acp-16-9771-2016, 2016.
104. Myriokefalitakis S.*, Nenes A., Baker A.R., Mihalopoulos N., Kanakidou M.*: Bioavailable atmospheric phosphorous supply to the global ocean: a 3-D global modelling study, *Biogeosciences*, 13, 6519–6543, 2016, www.biogeosciences.net/13/6519/2016/

105. Stockdale A., Krom M.D., Mortimer R.J.G., Benning L.G., Carslaw K.S., Herbert R.J., Shi Z., Myriokefalitakis S., Kanakidou M. and Nenes A.: Understanding the nature of atmospheric acid processing of mineral dusts in supplying bioavailable phosphorus to the oceans, PNAS 2016 113(512) 14639-14644, 2016.
106. Bougiatioti A., Kanakidou M., Mihalopoulos N.: Air Quality in European Cities, Comprehensive Analytical Chemistry, 73, 517-542, 2016.
107. Jickells, T. D., *et al.* (2017), A reevaluation of the magnitude and impacts of anthropogenic atmospheric nitrogen inputs on the ocean, Global Biogeochem. Cycles, 31, doi:[10.1002/2016GB005586](https://doi.org/10.1002/2016GB005586)
108. Schmale J., S. Henning, B. Henzing, H. Keskinen, K. Sellegri, J. Ovadnevaite, A. Bougiatioti, Nikos Kalivitis, I. Stavroulas, A. Jefferson, M. Park, P. Schlag, A. Kristensson, Y. Iwamoto, K. Pringle, C. Reddington, P. Aalto, M. Äijälä, U. Baltensperger, J. Bialek, W. Birmili, N. Bukowiecki, M. Ehn, A. M. Fjærraa, M. Fiebig, G. Frank, R. Fröhlich, A. Frumau, M. Furuya, E. Hammer, L. Heikkinen, E. Herrmann, R. Holzinger, H. Hyono, M. Kanakidou, A. Kiendler-Scharr, K. Kinouchi, G. Kos, M. Kulmala, N. Mihalopoulos, G. Motos, A. Nenes, C. O'Dowd, M. Paramonov, T. Petäjä, D. Picard, L. Poulain, A. S. H. Prévôt, J. Slowik, A. Sonntag, E. Swietlicki, B. Svenningsson, H. Tsurumaru, A. Wiedensohler, C. Wittbom, J. A. Ogren, A. Matsuki, S. Soo Yum, C. Lund Myhre, K. Carslaw, F. Stratmann & M. Gysel Data Descriptor: Collocated observations of cloud condensation nuclei, particle size distributions, and chemical composition, SCIENTIFIC DATA | 4:170003 | DOI: 10.1038/sdata.2017.3, 2017
109. Baker, A. R., Kanakidou M., Altieri, K. E., Daskalakis, N., Okin, G. S., Myriokefalitakis, S., Dentener, F., Uematsu, M., Sarin, M. M., Duce, R. A., Galloway, J. N., Keene, W. C., Singh, A., Zamora, L., Lamarque, J.-F., Hsu, S.-C., Rohekar, S. S., and Prospero, J. M.: Observation- and Model-Based Estimates of Particulate Dry Nitrogen Deposition to the Oceans, Atmos. Chem. Phys. doi:10.5194/acp-2016-1123, 2017.
110. Pitta P, Kanakidou M, Mihalopoulos N, Christodoulaki S, Dimitriou PD, Frangoulis C, Giannakourou A, Kagiorgi M, Lagaria A, Nikolaou P, Papageorgiou N, Psarra S, Santi I, Tsapakis M, Tsiola A, Violaki K and Petihakis G (2017) Saharan Dust Deposition Effects on the Microbial Food Web in the Eastern Mediterranean: A Study Based on a Mesocosm Experiment. Front. Mar. Sci. 4:117. doi: 10.3389/fmars.2017.00117
111. Tsigaridis K., Kanakidou M.: The Present and Future of Secondary Organic Aerosol Direct Forcing on Climate, Current Climate Change Reports, <https://doi.org/10.1007/s40641-018-0092-3>, 2017.
112. Theodosi C., Panagiotopoulos C., Nouara, A., Zampas, P., Nicolaou, P., Violaki, K., Kanakidou, M., Sempéré, R., Mihalopoulos, N., Sugars in atmospheric aerosols over the Eastern Mediterranean, Progress in Oceanography, 163, 70-81, 2018.
113. Kanakidou M., Myriokefalitakis S., Tsigaridis K.: Aerosols in atmospheric chemistry and biogeochemical cycles of nutrients, Environ. Res. Lett. 13 063004, 2018. <https://doi.org/10.1088/1748-9326/aabcbd>
114. Myriokefalitakis, S., Ito, A., Kanakidou, M., Nenes, A., Krol, M. C., Mahowald, N. M., Scanza, R. A., Hamilton, D. S., Johnson, M. S., Meskhidze, N., Kok, J. F., Guieu, C., Baker, A. R., Jickells, T. D., Sarin, M. M., Bikkina, S., Perron, M. M. G., and Duce, R. A.: The GESAMP atmospheric iron deposition model intercomparison study, Biogeosciences Discuss., <https://doi.org/10.5194/bg-2018-285>, 2018.

(*) corresponding author

Books and other journals (reviewed papers)

1. Bonsang B., Kanakidou M., Lambert G., **1988**. Echanges océan / atmosphère d'hydrocarbures non méthaniques. Revue du Comité National Français des Recherches Antarctiques (CNFRA), 59, 445-454.
2. Robertson G.P., Andreae M.O., Bingemer H.G., Crutzen P.J., Delmas R.A., Dyer J.H., Fung I., Harriss R.C., Kanakidou M., Keller M., Melillo J.M., and G.A. Zavarzin, **1989**. Trace Gas Exchange and the Chemical and Physical Climate: Critical Interactions. in "Exchanges of Trace Gases between Terrestrial Ecosystems and the Atmosphere" M.O. Andreae and D.S. Schimel (eds.) pp. 303-320.
3. Kanakidou M., P. J. Crutzen, P. H. Zimmermann, and B. Bonsang, **1992**. A 3-dimensional global study of the photochemistry of ethane and propane in the troposphere: Production and transport of organic nitrogen compounds, in NATO/CCMS 19th ITM on Air Pollution Modelling and its Application XI, H. van Dop and G. Kallos (eds), Plenum Press, New York, 415-426.
4. Μιχαλοπουλος Ν., Μ. Κανακίδου και Π. Σισκος, 1992, Το πρόβλημα του τροποσφαιρικού οζόντος: Αύξηση της συγκεντρώσης του εξ αιτίας των ανθρωπινών δραστηριοτήτων, Χημικά Χρονικά, 54 (7 -12) 21-32.
5. Fishmann J., P. E. Artaxo, H. Cachier, G. R. Carmichael, R. Dickinson, M. A. Fosberg, G. Helas, M. Kanakidou, J. Logan, J. P. Lacaux, F. Rohrer, 1993. What is the impact of fires on Atmospheric Chemistry, Climate and Biogeochemical Cycles?, in Fire in the Environment, J. Goldammer and P. J. Crutzen (eds), 345-356.
6. M. Kanakidou, **1996**. Tropospheric Chemistry Models, in ERCA book Volume 2, C. F. Bourton (eds.), Les éditions de physique, Les Ulis, France, 245-264.
7. P. Crutzen, B. Brost, F. Dentener, H. Feichter, R. Hein, M. Kanakidou, J. Lelieveld and P. Zimmermann, Development of a time-dependent global tropospheric air chemistry model 'GLOMAC' based on the weather forecast model of the ECMWF, in: Tropospheric modelling and emission estimation, edited by A. Ebel, R. Friedrich and H. Rodhe,p, 380-391, Springer, Berlin, 1997.
8. M. Kanakidou, F.J. Dentener, G. P. Brasseur, W.J. Collins, T.K. Berntsen, D.A. Hauglustaine, S. Houweling, I. S.A. Isaksen, M. Krol, K. S. Law, M.G. Lawrence, J.F. Muller, P.H. Plantévin, N. Poisson, G.J. Roelofs, Y. Wang, W.M.F. Wauben, **1998**. 3-D Global Simulations of Tropospheric Chemistry with focus on Ozone Distributions - Results of the GIM/IGAC Intercomparison 1997 Exercise, *report to the EU*, 18842, December 1998.
9. Kanakidou M., 3-d Tropospheric model development: Impact of Non Methane Hydrocarbon Chemistry, in the NATO/ASI Proceeding on 'Chemistry and Radiation Changes in the Ozone Layer', Ch. Zerefos (eds), 1999.
10. Granier C., Kanakidou M., Kasibhalta P., Modeling, Chapter 6, in the Atmospheric Chemistry in A Changing World, ISBN3-540-43050-4, GP. Brasseur, R. G. Prinn, A. A.P. Pszenny (eds), Springer-Verlag Berlin, Heidelberg, 185-206, 2003.
11. Kanakidou M. et al., Particles of Human Origin Extinguishing Natural solar radiation In Climate Systems - PHOENICS Synthesis and Integration Report, ISBN 960-88712-0-4, University of Crete, 2005.

12. [Kanakidou M.](#), K. Tsigaridis, S. Myriokefalitakis, Global modeling of secondary organic aerosol (SOA) formation: Knowledge and Challenges, in *Simulation and Assessment of Chemical Processes in a Multiphase Environment*, I. Barnes (eds)., Springer 2008.
13. Kanakidou M. et al., Eastern Mediterranean and Istanbul megacity, Chapter 6.7 in the IGAC Assessment on Megacities, T. Zhu editor, to be published as a WMO report, summer 2010.
14. Kanakidou, M., M. Dameris, H. Elbern, M. Beekmann, I.B. Konovalov, L. Nieradzik, A. Strunk and M. Krol Applications - Data and Models: Synergistic Use of Satellite Retrieved Tropospheric Trace Constituent Distributions and Numerical Modelling Chapter 9 in *The Remote Sensing of Tropospheric Composition from Space*, J. Burrows, U. Platt & P.Borrell (Editors) Springer, 2011, doi 10.1007/978-3-642-14791-3_9, p451-492.
15. [Kanakidou, M.](#), *Atmospheric aerosols and climate impacts*, in Lazaridis (eds), *Aerosol Science: Technology and Applications*, First Edition. Edited by Ian Colbeck and Mihalis Lazaridis © 2014 John Wiley & Sons, Ltd. Published 2014 by John Wiley & Sons, Ltd.

Conferences with Proceedings

1. Bonsang B., [Kanakidou M.](#), and Lambert G., **1986**. Vertical profiles of nonmethane hydrocarbons in the troposphere: Application to the indirect determination of OH radicals. Proceeding of the 2nd French - German workshop on the study of chemical reaction with tropospheric interest, 11-13 Mar., St Hugues de Biviers, France, 108-110.
2. Bonsang B., I. Bertrand, and [Kanakidou M.](#), **1991**. Simultaneous variations of the concentrations of non methane hydrocarbons, ozone and radioactive tracers during the "Oceano Nox" field campaign at the "Pointe de Penmarc'h". CEC report N° 35, CEC eds., edited by G. Le Bras, June 1991, 181-190.
3. [Kanakidou M.](#), **1993 (INVITED PAPER)** The role played by anthropogenic emissions in determining O3/NOx/VOCs budgets, in the Proceeding of the EUROTRAC Symposium '92, edited by P. Borrell et al., 269-275.
4. [Kanakidou M.](#), and P. J. Crutzen, **1993**. Scale problems in global tropospheric chemistry modeling, in the Proceeding of the EUROTRAC Symposium '92, edited by P. Borrell et al., 471-474.
5. [Kanakidou M.](#), F. J. Dentener, P.H. Zimmemann, and P. J. Crutzen, 1993. A global three-dimensional study of the distribution of HCFC-22 and its oxidation products in the troposphere, in the proceedings of the AFEAS workshop on Atmospheric Wet and Dry Deposition of Carbonyl and Haloacetyl Halides, Sept. 22, Brussels, 1992, p.103-117.
6. [M. Kanakidou](#), F.J. Dentener and P.J. Crutzen, 1993. A global three-dimensional study of the fate of HCFCs and HFCs in the troposphere, in the Proceedings of the STEP/AFEAS workshop, Dublin, Ireland, March 23-25, 1993, 113-129.
7. [M. Kanakidou](#), F.J. Dentener and P.J. Crutzen, 1993. Chlorofluoromethane (HCFC-22) and its oxidation products in the troposphere, in the proceedings of the 3rd Conference on Environmental Science and Technology, 6-10 Sep., Lesvos, Greece, 1993, p.33-41.

8. Kanakidou M., B. Bonsang and N. Poisson, Impact of biomass burning emissions on the oxidizing capacity of the troposphere, in the proceedings of the 4th Conference on Environmental Science and Technology, Lesvos, 4-7 Sep., 797-802, 1995.
9. M. Kanakidou, Poisson N, Lattuati M, Aumont B, Beekmann M, Bey I, Behra P, Chaumerliac N, Gregoire P, Hauglustaine D, Huret N, Losno R, Maalez A, Martin D, Martinerie P, Mercier P, Pham M, Pirre M, Ramaroson R, Suhre K., Comparaison entre 11 modèles utilisés en France pour la description de la photochimie troposphérique, Atelier Modelisation, Toulouse, Nov., 283-291, 1995.
10. N. Poisson and M. Kanakidou, 1995. Etude de l'impact global 3D des hydrocarbures non méthaniques sur la photochimie troposphérique, in the proceedings of Atelier Modelisation, Toulouse, Nov., 397-406, 1995.
11. Kanakidou M., P.J. Crutzen and P. H. Zimmermann, 1994. Estimates from the changes in tropospheric chemistry which result from human activity and their dependance on NOx emissions and model resolution, in NASA Conference Publication 3266, pp.66-69.
12. B. Bonsang, M. Kanakidou and Ch. Boissard, Contribution of biomass burning to the global budget of hydrocarbons, carbon monoxide and tropospheric ozone, International Symposium on "Non-CO2 Greenhouse Gases. Why and how to control?", Maastricht -The Netherlands, 13-15 Dec 1993, pp. 261-270, J. van Ham et al. (ed.), Kluwer, 1994.
13. Poisson N. and M. Kanakidou, Impact of non methane hydrocarbons on global tropospheric chemistry, in the Proceedings of EUROTRAC symposium 1996, 601-605, 1996.
14. Touaty M., B. Bonsang, M. Kanakidou, and N. Poisson, Monitoring and Model Comparison of the Seasonal Variation of Tropospheric Light Hydrocarbons at Amsterdam Island, in the Proceedings of EUROTRAC symposium 1996, 613-619, 1996.
15. E. Baboukas, J. Sciare, G. Kouvarakis, N. Mihalopoulos, B.C. Nguyen, and M. Kanakidou, 1996. Sulfur cycle in the Indian Ocean: Rainwater composition at three islands in the southern Indian Ocean, in the proceedings of the 7th European Symposium on Physico-Chemical Behaviour of Atmospheric Pollutants on the Oxidizing Capacity of the Troposphere, Venice, Italy, Oct 2-4, 1996.
16. Gros V., D. Martin, B. Bonsang, N. Poisson and M. Kanakidou, Seasonal variation of O3 at Amsterdam island: Preliminary Results (1994-95), in the proceedings of the 7th European Symposium on Physico-Chemical Behaviour of Atmospheric Pollutants on the Oxidizing Capacity of the Troposphere, Venice, Italy, Oct 2-4, 1996.
17. Bonsang B., N. Poisson, and M. Kanakidou, J. Burrows, Th. Behmann, A. Voltz-Thomas, A. Harder, D. Trapp, R. Seuwen, G. Moortgat, U. Platt, Ch. Göltz, J. Senzig, P. Seakins, A. Lewis, C. Pio, T. Nunes, Impact of natural non methane hydrocarbon oxidation on free radical and organic acid formation., in the Proceeding of the 7th European Symposium on Physico-Chemical Behaviour of Atmospheric Pollutants on the Oxidizing Capacity of the Troposphere, Venice, Italy, Oct 2-4, 1996.
18. Kanakidou M. and F. Dulac, 1990-1995 air-flow climatology at the sampling station of Finokalia, Crete, Technical report to UE DGXII Environment and Climate 1994-1998 Programme, contract No. ENV4-CT95-0036 (Centre des Faibles Radioactivités, Gif-Sur-Yvette) December 1996.
19. Kanakidou M., Poisson N., David P., The French Contribution to the GLOMAC programme, in the EUROTRAC final report 1998.

20. Kanakidou M., The secondary source of carbon monoxide: Importance and Uncertainties, in the Proceedings of the International Conference on Atmospheric CO and its environmental effects, Portland, 3-6 Dec., 1997. **(INVITED PAPER)**
21. Kanakidou M., F.J. Dentener, T.K. Berntsen, W.J. Collins, D.A. Hauglustaine, S. Houweling, I. Isaksen, M. Krol, M.G. Lawrence, J.F. Muller, N. Poisson, G.J. Roelofs, Y. Wang, W.M.F. Wauben, 3-D global simulations of tropospheric CO distributions - results of the GIM/IGAC intercomparison 1997 exercise, in the Proceedings of the International Conference on Atmospheric CO and its environmental effects, Portland, 3-6 Dec., 1997.
22. Boissard Ch., M. Kanakidou and B. Bonsang, Secondary organic aerosols, An overview, CFR Report, Centre des Faibles Radioactivités, CNRS, Gif-sur-Yvette, 1997.
23. Kanakidou M., K. Tsigaridis, Human activity enhances ozone and aerosol production from natural ecosystems: Implications for South Europe and Global Climate. In the proceedings of the first Symposium on Climate changes in the S. E. Mediterranean, Greek Academy of Science (eds), Athens, Greece, 2001.
24. Tsigaridis, K. and Kanakidou, M. Anthropogenic versus natural secondary organic aerosol in the global troposphere. *A changing atmosphere – 8th European Symposium on the Physico-Chemical behavior of atmospheric pollutants*, (CD-Rom publication), 17-20 September, Torino, Italy, 2001.
25. Ladstätter-Weissenmayer, A. , M. Kanakidou, J. P. Burrows, G. Tzirita, Pollution events over the Mediterranean region documented by GOME (Global Ozone Monitoring Experiment), ground based and sonde measurements and backtrajectory calculations, in the Proceedings of the Quadrennial Ozone Symposium, Kos, 1-8 June, ISBN 960-630-103-6, pp. 386-387, 2004.
26. Dermitzaki, E.V., M. Kanakidou, A. Ladstaetter-Weissenmayer, J.P. Burrows, Biomass burning impact on ozone budget over the East Mediterranean during summer 2000, in the Proceedings of the Quadrennial Ozone Symposium, Kos, 1-8 June, ISBN 960-630-103-6, pp. 325-326, 2004.
27. Kouvarakis, G., K. Tsigaridis, M. Kanakidou, I. Alexandropoulos, M. van Weele, H. Fischer, The impact of oxygenated organics on HOx and ozone budget in the upper troposphere, in the Proceedings of the Quadrennial Ozone Symposium, Kos, 1-8 June, 2004. 705-706.
28. Perakis, L., N. Galanis, G. Kouvarakis, K. Tsigaridis, M. Kanakidou, F. Kirchner, The impact of solvent use on ozone budget in the low troposphere, in the Proceedings of the Quadrennial Ozone Symposium, Kos, 1-8 June, 2004. 717-718.
29. Gerasopoulos, E., G. Kouvarakis, M. Vrekoussis, M. Kanakidou, N. Mihalopoulos, Ozone variability in the marine boundary layer of the Eastern Mediterranean- A statistical approach, in the Proceedings of the Quadrennial Ozone Symposium, Kos, 1-8 June, 2004. 698-699.
30. M. Vrekoussis, N. Kalivitis, N. Mihalopoulos, M. Kanakidou, T. Kluepfel, J. Lelieveld, G. Chourdakis, Factors controlling the diurnal variation of ozone in the marine boundary layer of the Eastern Mediterranean during summertime, in the Proceedings of the Quadrennial Ozone Symposium, Kos, 1-8 June, 2004. 153-154.
31. W. von Hoyningen-Huene, A. Kokhanovsky, J. P. Burrows, M. Sfakianaki, and M. Kanakidou, Validation of aerosol optical thickness retrieved by BAER (Bremen Aerosol Retrieval) in the Mediterranean area, in the proceedings of MERIS/AATSR workshop 2005 at ESA ESRIN 26.-30. Sept. 2005.

32. K. Tsigaridis, J. Lathière, M. Kanakidou and D. A. Hauglustaine, Naturally driven variability in the global secondary organic aerosol over a decade, in the proceedings of CEST Sept. 2005.
33. M. Vrekoussis, M. Kanakidou, H. Liakakou, N. Mihalopoulos, P. J. Crutzen, and J. Lelieveld, Formation of HNO_3 and particulate NO_3 in the polluted marine boundary layer of the Eastern Mediterranean, in the proceedings of CEST Sept, 2005.
34. E. Gerasopoulos, G. Kouvarakis, M. Vrekoussis, M. Kanakidou and N. Mihalopoulos, Analysis of ozone trends in the East Mediterranean, in the proceedings of CEST Sept., 2005.
35. Fuzzi S, M. O. Andreae, B.J. Huebert, M.Kulmala, T.Bond, M. Boy, S. J. Doherty, A. Guenther, M. Kanakidou, K.Kawamura, V.-M.Kerminen, U. Lohmann, U. Pöschl, L. M. Russell, Organic Aerosols and Global Change: A report from the joint IGAC – iLEAPS – SOLAS workshop 10 - 12 May, Hyytiälä, Finland, 2004 IGAC newsletter, June 2005.
36. Kanakidou M. and the PHOENICS Consortium, Particles of Human Origin Extinguish Natural Solar Irradiance in the Climate System – Secondary aerosols and Natural versus Anthropogenic Impacts, Proceedings of the First ACCENT Symposium, Fuzzi S., Maione M. (eds) ISBN 88-548-0851-2, 38-45, Nov 2006.
37. Kanakidou M., Sfakianaki M., Myriokefalitakis S., Dermitzaki E., Tsigaridis K., Vrekoussis M., Burrows JP, Ladstaetter-Weissenmayer A., Richter A., von Hoyningen-Huene W., Synergistic use of Satellite Data, Ground Based Observations, Back Trajectory Analysis and Global CTM Results for Studies of Tropospheric Trace Gases and Aerosols over the Mediterranean, in Measuring Tropospheric Trace Constituents from Space, ACCENT-TROPOSAT-2 in 2005-2006, Report 1.2007, (editors) J. Burrows, P. Borrell, printed by Keele Univ., Staffordshire, UK, 238-241, 2006.
38. Myriokefalitakis, S., Tsigaridis K. and Kanakidou M., On the Importance of Isoprene as a Secondary Organic Aerosol Precursor, Contribution to the ACCENT Workshop on Volatile Organic Compounds: Group 3, in the ACCENT- report on “Volatile Organic Compounds in the Polluted Atmosphere”, The third Barnsdale Expert Meeting, 2006, editors Paul Monks, John Burrows, Tony Cox, David Fowler, Claire Granier, Ivar Isaksen, Colin O'Dowd and Peter Borrell, 2006.
39. Vrekoussis M, Ladstätter-Weißenmayer, A., Wittrock, F., Richter, A., Myriokefalitakis, S., Kanakidou, M., Burrows J., Synergistic use of satellite retrievals, ground based measurements and modeling studies highlights Volatile Organic Compounds fate in the troposphere, Contribution to the ACCENT Workshop on Volatile Organic Compounds: Group 3, in the ACCENT- report on “Volatile Organic Compounds in the Polluted Atmosphere”, The third Barnsdale Expert Meeting, 2006, editors Paul Monks, John Burrows, Tony Cox, David Fowler, Claire Granier, Ivar Isaksen, Colin O'Dowd and Peter Borrell., 2006.
40. Tsigaridis K., Kanakidou M., How important is Secondary Organic Aerosol (SOA) for the total aerosol optical depth in the troposphere? Contribution to the ACCENT Workshop on Volatile Organic Compounds: Group 3, in the ACCENT- report on “Volatile Organic Compounds in the Polluted Atmosphere”, The third Barnsdale Expert Meeting, 2006, editors Paul Monks, John Burrows, Tony Cox, David Fowler, Claire Granier, Ivar Isaksen, Colin O'Dowd and Peter Borrell., 2006.
41. Volkamer R., Kanakidou M. et al., Production, properties and removal of SOA – the fate of VOC Group 3 report, in the ACCENT- report on “Volatile Organic Compounds in the Polluted Atmosphere”, The third Barnsdale Expert Meeting, 2006, editors Paul Monks, John Burrows, Tony Cox, David Fowler, Claire Granier, Ivar Isaksen, Colin O'Dowd and Peter Borrell, 2006.

42. [Kanakidou M.](#), Transport and Transformation processes in the Eastern Mediterranean, ACCENT Report on ACCENT Hellenic day, October 2006, editor N. Moussiopoulos, 2007.
43. [Kanakidou M.](#), Aerosols in Global Models – Focus on Europe, in the proceeding of the workshop on Regional climate variability and its impacts in the Mediterranean area, 23-27 November 2006, Marrakech, Springer 2007.
44. [M. Kanakidou](#), N. Mihalopoulos, N. Kalivitis, K. Tsigaridis, G. Kouvarakis, E. Koulouri, E. Gerasopoulos, M. Vrekoussis, S. Myriokefalitakis, Natural contributions to particulate matter levels over Europe – The experience from Greece. To be presented at the 10th Biennial Conference on Environmental Science and Technology (CEST 2007) in Kos, Greece, 5-7 September 2007.
45. Kanakidou M., Sfakianaki M., Myriokefalitakis S., Dermitzaki E.V., Tsigaridis K., Burrows JP, Ladstaetter-Weissenmayer A., Vrekoussis M., Richter A., von Hoyningen-Huene W., Synergistic use of Satellite Data, Ground Based Observations, Back Trajectory Analysis and Global CTM Results for Studies of Tropospheric Trace Gases and Aerosols over the Mediterranean, in Measuring Tropospheric Trace Constituents from Space, ACCENT-TROPOSAT-2 in 2005-2006, Report 2008, (editors) J. Burrows, P. Borrell, printed by Keele Univ., Staffordshire, UK, 250-253, 2007.
46. [M. Kanakidou](#), N. Mihalopoulos, N. Kalivitis, K. Tsigaridis, G. Kouvarakis, E. Koulouri, E. Gerasopoulos, M. Vrekoussis, S. Myriokefalitakis, Natural contributions to particulate matter levels over Europe – The experience from Greece. In the proceedings of the 10th Biennial Conference on Environmental Science and Technology (CEST 2007) in Kos, Greece, 5-7 September 2007. <http://www.srcosmos.gr/srcosmos/showpub.aspx?aa=9717>
47. [Kanakidou M.](#), K. Tsigaridis, S. Myriokefalitakis, Global modeling of secondary organic aerosol (SOA) formation: Knowledge and Challenges, in Simulation and Assessment of Chemical Processes in a Multiphase Environment, I. Barnes (eds), Springer 2008.
48. Kanakidou M., Tsigaridis, K., Myriokefalitakis, S., Lazaros, P., Mihalopoulos, N., Kalivitis, N., Gerasopoulos, E., Vrekoussis, M., Natural and anthropogenic contributions to particulate matter levels over East Mediterranean, in the proceeding of the 9th Conference Meteorology-Climatology and Atmospheric Physics (9th COMECAP2008), Thessaloniki, Greece, May 2008. (oral presentation)
49. Zanis, P. and Kanakidou, M., A study of the climate feedback of anthropogenic aerosols over Europe with the regional climate model RegCM3, in the proceeding of the 9th Conference Meteorology-Climatology and Atmospheric Physics (9th COMECAP2008), Thessaloniki, Greece, May 2008. (oral presentation)
50. Kanakidou M., Myriokefalitakis, S., Tsigaridis, K., Sfakianaki, M., Mihalopoulos, N., Kalivitis, N., Gerasopoulos, E., Natural contributions to particulate matter levels over Europe, in the proceedings of the 9th International Conference on the Protection and restoration of the environment, Kefalonia, Greece, June 2008 (oral presentation).
51. Kanakidou, M., E. Dermitzaki, S. Myriokefalitakis, M. Sfakianaki, K. Tsigaridis, J. Burrows, A. Ladstätter-Weissenmayer, A. Richter, W. von Hoyningen-Huene and M. Vrekoussis, Synergistic Use of Satellite Data, Ground Based Observations, Back Trajectory Analysis and Global CTM Results for Studies of Tropospheric Trace Gases and Aerosols with focus on the Mediterranean, A contribution to ACCENT-TROPOSAT-2, Task group 2, Final report, 2008.
52. Kanakidou M. S. Myriokefalitakis, K. Tsigaridis, N. Mihalopoulos, X. Querol, A. Alastuey, Natural and Anthropogenic contributions to particulate matter in southern Europe, EUCAARI,

- Elsinki,, Report Series in Aerosol Science part A (vol 99), Proceedings of 2008 EUCAARI Annual Meeting Helsinki 17.-21.11.2008, Hanna K. Lappalainen, Ari Asmi, Tuomo Nieminen, and Markku Kulmala, 121-126, 2008 (oral)
- 53.** Myriokefalitakis S., K. Tsigaridis, N. Mihalopoulos, M. Kanakidou, Secondary organic aerosol (SOA) formation via cloud processing: A global 3D modelling study, in the proceedings of the 7th International Conference on Air Quality – Science and Application, 24-27 March 2009, Istanbul, ISBN: 978-1-905313-64-8, published by University of Hertfordshire 2009
 - 54.** Vrekoussis M., E. Gerasopoulos, N. Mihalopoulos, U. Im, A. Richer, A. Hilboll, M. Petrakis, M. Kanakidou, S. Myriokefalitakis, O. Yenigun, T. Kindap, A. Ladstätter-Weissenmayer, A.F.A. Youssef , E.A Morsy, J.P Burrows, C. Zerefos, Spatial and temporal variability of NO₂ mixing ratios inferred from satellite and ground-based observations above SE Europe: Role of Megacities, in the proceedings of the 7th International Conference on Air Quality – Science and Application, 24-27 March 2009, Istanbul, ISBN: 978-1-905313-64-8, published by University of Hertfordshire 2009.
 - 55.** Kanakidou M., Dermitzaki E.V., M. Sfakianaki, A. Ladstaetter-Weissenmayer and J. P. Burrows Air Pollution in The East Mediterranean Atmosphere From Biomass Burning, paper presented at the 10th International Conference on Meteorology, Climatology and Atmospheric Physics, Patras, 25-28 May, 2010. Reviewed Proceedings COMECAP 2010.
 - 56.** Im U., Markakis K., Kocak M., Gerasopoulos E., Daskalakis N., Mihalopoulos N., Poupkou A., Kindap T., Unal A., Kanakidou M., 2012. Air quality in the Eastern Mediterranean: emissions, chemical composition and climate sensitivity. Proceeding of the 8th Air Quality Conference (AQC2012), 19-23 March, Athens, Greece, pp 289-292 (oral).
 - 57.** Im U., Kanakidou M., Impact of regional anthropogenic emissions and county-based mitigation options to air quality in the East Mediterranean, AIR QUALITY MANAGEMENT at URBAN, REGIONAL and GLOBAL SCALES, 4th International Symposium and IUAPPA Regional Conference, 10-13 September 2012 Istanbul –Turkey
 - 58.** Poupkou A., Markakis K., Liora N., Giannaros T.M., Im U., Daskalakis N., Myriokefalitakis S., Melas D., Zanis P., Kanakidou M., Zerefos C.S., Study of the impact of an intense biomass burning event on the air quality in the Eastern Mediterranean, C Reviewed Proceedings COMECAP 2012. 11th International Conference on Meteorology, Climatology and Atmospheric Physics, Athens, 29 May – 1 June 2012.
 - 59.** Kanakidou M., Nikos Mihalopoulos, Ulas Im, Stelios Myriokefalitakis, Nikos Daskalakis & the East Mediterranean CITYZEN team, Drivers of Air Quality in the East Mediterranean, Results from the CITYZEN project, Reviewed Proceedings COMECAP 2012. 11th International Conference on Meteorology, Climatology and Atmospheric Physics, Athens, 29 May – 1 June 2012
 - 60.** Myriokefalitakis S., Daskalakis N, Tsigaridis K., Kanakidou M.: On the importance of aqueous-phase chemistry on the oxidative capacity of the troposphere: A 3-dimensional global modeling study, 28-31 May 2014 COMECAP 2014, ISBN-978-960-524-430-9, Vol II, 282-287, 2014β.
 - 61.** Nikolaou P., Theodosi C., Mihalopoulos N., Kanakidou M., Trace Metals in PM10 Particles over the Eastern Mediterranean, 28-31 May 2014 COMECAP 2014, ISBN-978-960-524-430-9, Vol II, 312-318, 2014
 - 62.** Theodosi C., Zarmpas P., Bougiatioti A., Kouvarakis G., Mihalopoulos N., Long-term measurements of carbonaceous aerosols in the Eastern Mediterranean, 28-31 May 2014 COMECAP 2014, ISBN-978-960-524-430-9, Vol III, 209-213, 2014

63. Violaki K., Nikolaou P., Kanakidou M., Mihalopoulos N., The influence of air mass origin to the solubility of atmospheric P over East Mediterranean, 28-31 May 2014 COMECAP 2014, ISBN-978-960-524-430-9, Vol III, 313-317, 2014
64. Kanakidou M., Daskalakis N., Myriokefalitakis S., Tsigaridis K.: Past and future changes of organic and inorganic nitrogen global atmospheric deposition, 28-31 May 2014 COMECAP 2014, ISBN-978-960-524-430-9, Vol I 439-443.
65. Daskalakis N., Myriokefalitakis S., Kanakidou M.: Global Oxidant and Organic Aerosol sensitivity to biomass burning emission inventories, 28-31 May 2014 COMECAP 2014, ISBN-978-960-524-430-9, Vol I 225-230.
66. Theodosi C., C. Panagiotopoulos, A. Nouara, P. Zarmas, K. Violaki and N. Mihalopoulos, Seasonal variability in biomass and primary production in the Eastern Mediterranean Sea, determined by saccharidic tracers in atmospheric aerosols, European Aerosol Conference 2015, Milan, Italy, 06-11 September 2015 (Poster Presentation).
67. Nikolaou P., A. Bougiatioti, I. Stavroulas, A. Nenes, N. Mihalopoulos and M. Kanakidou, Water content and pH of Aerosols over the Eastern Mediterranean, European Aerosol Conference 2015, Milan, Italy, 06-11 September 2015 (Poster Presentation).
68. Papadimas, Ch., Hatzianastassiou, N., Mihalopoulos, N., Kanakidou, M. Impact of intensive dust outbreaks on marine primary production as seen by satellites, ESA living planet symposium, 9-13 May 2016, Prague.
69. Amanatidis D.G., Myriokefalitakis S., Daskalakis N., Kanakidou M. Mesoscale Simulations of Atmospheric deposition over the Mediterranean Region, COMECAP 2016, Perspectives on Atmospheric Sciences, Springer Atmospheric Sciences, Pages: 925-931, ISBN: 978-3-319-35095-0
70. Myriokefalitakis S., Fanourgakis G., Kanakidou M. The contribution of bioaerosols to the organic carbon of the atmosphere, COMECAP 2016, Springer eds.. Perspectives on Atmospheric Sciences (2017) Publisher: Springer International Publishing, Pages: 845-851, ISBN: 978-3-319-35095-0, DOI: 10.1007/978-3-319-35095-0_121
71. Sfakianaki M., Myriokefalitakis S., Kanakidou M.: Evaluating dust contribution to CCN using satellite observations, Springer International Publishing Switzerland 2017 T.S. Karacostas et al. (eds.), Perspectives on Atmospheric Sciences, Springer Atmospheric Sciences, Pages: 925-931, ISBN: 978-3-319-35095-0, DOI 10.1007/978-3-319-35095-0_132
72. Tzitzikalaki E., Kalivitis N., Kouvarakis G., Daskalakis N., Mihalopoulos N., Boy M., Kanakidou M., Simulations of new particle formation and growth processes in the Eastern Mediterranean, with the MALTE-Box model, Springer International Publishing Switzerland 2017 T.S. Karacostas et al. (eds.), Perspectives on Atmospheric Sciences, Springer Atmospheric Sciences, Pages 933-939, ISBN: 978-3-319-35095-0, DOI 10.1007/978-3-319-35095-0_133
73. Georgakaki P., Papadimas C.D., Hatzianastassiou N., Fotiadis A., Matsoukas C., Stackhouse P., Kanakidou M., Vardavas I., High-resolution direct effect of aerosols on solar radiation over the eastern Mediterranean basin, COMECAP 2016.
74. Fanourgakis G., Kalivitis N., Nenes A., Kanakidou M., On the importance of organic mass for global cloud condensation nuclei distributions, in the proceedings of the 36th International Technical Meeting on Air Pollution Modelling and its Application, Canada, May 2018..
75. Amanatidis DG., Myriokefalitakis S., G. Fanourgakis, Daskalakis N., Kanakidou M. Sensitivity of atmospheric composition mesoscale simulations in the Mediterranean to the meteorological data,

in the proceedings of the 36th International Technical Meeting on Air Pollution Modelling and its Application, Canada, May 2018.

Other Presentations (oral & poster) at Conferences excluding the invited/keynote

1. Bonsang B., Lambert G., Kanakidou M., and Bergeret C., Long range transport of light non-methane hydrocarbons in the oceanic atmosphere. IAMAP/IAPSO Joint assembly, 5-16 Aug. Honolulu - Hawaii (USA), EOS, 66. 1985. (Oral)
2. Bonsang B., Kanakidou M., and Lambert G., Vertical profiles of non methane hydrocarbons in the troposphere, application to the indirect determination of OH radicals. 2nd French-German workshop on the study of chemical reactions with tropospheric interest. St Hugues de Biviers (France), 11-13 Mars. 1986. (Oral)
3. Bonsang B., Kanakidou M., and Lambert G., Production of light non methane hydrocarbons in intertropical oceanic and forest area. 2nd International Symposium on biosphere-atmosphere exchanges. Mainz (FRG), 16-21 Mars. 1986. (Oral)
4. Le Guern F., Kanakidou M., Mihalopoulos N., Bonsang B., and Nguyen B.C., Composition et origine du gaz de lac Nyos. Conférence Internationale Scientifique de la catastrophe naturelle du lac Nyos. Yaounde, Cameroun, 16-20 Mars. 1987. (Oral)
5. Kanakidou M., Bonsang B., Monfray P., and Lambert G., 1987. Light hydrocarbons fluxes in a rural area. Sixth International Symposium of the Commission for Atmospheric Chemistry and Global Atmospheric Chemistry. Trent University, Peterborough, Ontario, Canada. 23-29 August. (Oral)
6. Bonsang B., Lambert G., and Kanakidou M., 1987. Dynamic of the transport of non-methane hydrocarbons from surface sources to the boundary layer. Sixth International Symposium of the Commission for Atmospheric Chemistry and Global Atmospheric Chemistry. Trent University, Peterborough, Ontario, Canada. 23-29 August. (Oral)
7. Gaudry A., Kanakidou M., Monfray P., Bonsang B., Bonsang G., Fontugne M., and Lambert G., 1987. Origin of CO₂ variations observed at a coastal site. Sixth International Symposium of the Commission for Atmospheric Chemistry and Global Atmospheric Chemistry. Trent University, Peterborough, Ontario, Canada. 23-29 August. (Oral)
8. Bonsang B., Kanakidou M., and Lambert G., Echanges Océan/Atmosphère d'hydrocarbures légers. Colloque sur la Recherche Française dans les Terres Australes et à partir des navires qui les desservent. Strasbourg, 14-17 Sept. 1987. (Oral)
9. Bonsang B., Kanakidou M. and Lambert G., Preliminary results of NMHC monitoring at Amsterdam Island. SABOAC II meeting, Melbourne, Australia, November 14-18, 1988. (Oral)
10. Bonsang B., Kanakidou M., Le Rouley J.C., Lambert G., Martin D., and Sennequier G., 1988. Sources and sinks of NMHC deduced from their vertical distributions: application to OH radicals concentrations. International Congress of Geochemistry, Current Trends in atmospheric chemistry, Paris, Aug.29 - Sept. 2., Chem. Geology, 70,1/2, 95. (Oral)
11. Bonsang B., Kanakidou M., Lambert G., and Rudolph J., Vertical Profiles and Fluxes of NMHC in the Equatorial Forest of CONGO. AGU Fall Meeting in San Francisco on Dec.5, EOS, October, 1988. (Oral)

12. Kanakidou M., Bonsang B. and Lambert G., Marine emissions of non methane hydrocarbons. dans le "Global and Regional Environmental Atmospheric Chemistry", Proceedings of the International Conference on Global and Regional Environmental Atmospheric Chemistry, Beijing, China, Mai 3-10, 210, 1989. (Oral)
13. Carlier P., Fresnet P., Pashalidis S., Petitet F., Tsetsi M., Lescoat V., Dupont B., Ritz D., Nguyen B.C., Bonsang B., Mihalopoulos N., Kanakidou M., Putaud J.P., Bertrand I., Boissard C., Campin J.M., Platt U., Dorm H.P., Brauers T., Koch T., Neuroth R., Marenco A., Nedelec P., Perros P., Overview of the Atmospheric Field Campaign at the "Pointe de Penmarc'h". Seventh International Symposium of the Commission on Atmospheric Chemistry and Global Pollution. Chamrousse, France 5-11 Sept. 1990.(Oral)
14. Gaudry A., Kanakidou M., Mihalopoulos N., Bonsang B., Bonsang G., Monfray P., Tymen R., and B.C. Nguyen, 1990. Variation of Atmospheric Trace Compounds at a Coastal Site: Application to CO₂, CH₄, and COS Flux Estimates. Seventh International Symposium of the Commission on Atmospheric Chemistry and Global Pollution. Chamrousse, France 5-11 Sept. (poster)
15. Kanakidou M., Crutzen P.J., and P.H. Zimmermann, 1990. Importance of organic nitrogen compounds in tropospheric chemistry, AGU Fall Meeting in San Francisco on Dec.6, EOS, 71, No 43, Oct. 23, 1258. (Oral)
16. Bonsang B., Kanakidou M., and I. Bertrand, 1990. Simultaneous variations of the concentrations of non methane hydrocarbons, ozone and radioactive tracers during the "Oceano Nox" field campaign at the "Pointe de Penmarc'h". Seventh International Symposium of the Commission on Atmospheric Chemistry and Global Pollution. Chamrousse, France 5-11 Sept. (poster)
17. Bonsang B., Fontaine E., Martin D., Lambert G., Kanakidou M., and J.C Le Roulley, Vertical distribution of nonmethane hydrocarbons in the marine boundary layer. Seventh International Symposium of the Commission on Atmospheric Chemistry and Global Pollution. Chamrousse, France 5-11 Sept. 1990. (poster)
18. Kanakidou M., Crutzen P.J., and P.H. Zimmermann, Effect of CO and C1-C3 Alkanes on Tropospheric Chemistry: A Three-Dimensional Global Model Study. Seventh International Symposium of the Commission on Atmospheric Chemistry and Global Pollution. Chamrousse, France 5-11 Sept. 1990. (Oral)
19. Kanakidou M., and P. J. Crutzen, Scale problems in global tropospheric chemistry modeling: Comparison of results obtained with a three-dimensional model, adopting longitudinally uniform and varying emissions of NO_x and NMHC, NATO-ARW on the Atmospheric methane cycle, Mt. Hood, Oct. 6-11. 1991. (Oral)
20. Bonsang B., Lambert G., Kanakidou M., and Polle C., Importance of marine unsaturated NMHC in the remote atmosphere chemistry, Chemraw VII Conference, 2-6 Dec. 1991, Baltimore (Maryland-USA), 1991. (Oral)
21. M. Kanakidou, and H.B. Singh, An investigation of the Atmospheric Sources and Sinks of methyl Bromide, 1st IGAC International Conference, EILAT, Israel, April 18-22, 1993. (Oral)
22. M. Kanakidou, F. J. Dentener, and P. J. Crutzen, A three-dimensional study of the relative importance of the pathways involved in the degradation of HCFCs and HFC-134a in the

troposphere, sixth European Symposium on Physico-Chemical Behaviour of Atmospheric Pollutants, Varese, 18-22 Oct., 1993. (Oral)

23. M. Kanakidou, F.J. Dentener and P. J. Crutzen, A global 3D model of HCFCs and HFCs and their oxidation products in the troposphere, AGU fall meeting, San Francisco, 6-10 Dec, 1993. (Oral)
24. B. Bonsang, Ch. Boissard, and M. Kanakidou, Contribution of biomass burning to the global budget of hydrocarbons, carbon monoxide and tropospheric ozone, International Symposium on "Non-CO₂ Greenhouse Gases. Why and how to control?", Maastricht -The Netherlands, 13-15 Dec, 1993. (Oral)
25. M.Kanakidou, Impact of Organic Nitrogen Compounds Formation on Nitrogen Oxides Distribution in the Troposphere, EUROTRAC Symposium, Garmish Paterkirchen, Germany, 11-15 April 1994. (Oral)
26. H.B. Singh and M. Kanakidou, Acetone in the Global Troposphere: Its possible role as a global source of PAN, 2nd Scientific Conference of the International Global Atmospheric Chemistry Project, on Atmospheric Chemistry and Global Pollution, Fuji-Yoshida, Japon, 5-9 Sept 1994, p26. (Oral)
27. Poisson N. and M. Kanakidou, A three-dimensional modeling study of the impact of NMHC on tropospheric chemistry, EGS XX General Assembly, 3-7 Avril, Hambourg, Annal. Geophys., 13, Sup II, C406, 1995. (Oral)
28. Poisson N., and M. Kanakidou, A global 3-dimensional study of the impact of NMHC on tropospheric chemistry, paper presented at the Eurotrac Symposium "Transport and Chemical Transformation of Pollutants in the Atmosphere", March 29-31, Garmich-Paterckirchen, Germany, 1996. (Oral)
29. E. Baboukas, B.C Nguyen, N. Mihalopoulos, G. Polian and M.Kanakidou, Long range transport of continental derived aerosols above the southern indian ocean, paper presented at the EGS General Assembly, Le Hague May, 1996. (Oral)
30. Kavouras, N. Mihalopoulos, E. Stephanou, C. Liousse, H. Cachier, B.C. Nguyen, F. Dulac, M. Kanakidou, P. Chazette and J.P. Quisefit, 1996. Measurements of aerosol composition and optical depth above the eastern Mediterranean area, paper presented at the EGS General Assembly, Hague May, 1996. Abstract in Ann. Geophys., Vol. 14/Suppl. II, C592, 1996. (Oral)
31. N. Mihalopoulos, E. Stephanou, S. Pilitsidis, E. Baboukas and M. Kanakidou, 1996. Atmospheric aerosol major ion composition above the eastern Mediterranean area, paper presented at the EGS General Assembly, Hague May, 1996. (Oral)
32. Gogou A., E.G. Stephanou, M. Kanakidou, Marine organic aerosols in eastern Mediterranean: Study of their origin and occurrence, paper presented at the EGS General Assembly, Hague May, 1996. (Oral)
33. Touaty M., Bonsang B., M. Kanakidou and N. Poisson, 1996. Monitoring and Model Comparison of the Seasonal Variation of Tropospheric Light Hydrocarbons at Amsterdam Island, paper presented at the Eurotrac Symposium "Transport and Chemical Transformation of Pollutants in the Atmosphere", March 29-31, Garmich-Paterckirchen, Germany, 1996. (Oral)
34. E. Baboukas, J. Sciare, G. Kouvarakis, N. Mihalopoulos, B.C. Nguyen, and M. Kanakidou, 1996. Sulfur cycle in the Indian Ocean: Rainwater composition at three islands in the southern

Indian Ocean, paper presented at the 7th European Symposium on Physico-Chemical Behaviour of Atmospheric Pollutants on the Oxidizing Capacity of the Troposphere, Venice, Italy, Oct 2-4, 1996. (poster)

35. Gros V., D. Martin, B. Bonsang, N. Poisson and M. Kanakidou. Seasonal variation of O₃ at Amsterdam island: Preliminary Results (1994-1995), paper presented at the 7th European Symposium on Physico-Chemical Behaviour of Atmospheric Pollutants on the Oxidizing Capacity of the Troposphere, Venice, Italy, Oct 2-4, 1996. (poster)
36. Bonsang B., N. Poisson, and M. Kanakidou, 1996. Impact of natural non methane hydrocarbon oxidation on free radical and organic acid formation., paper presented at the 7th European Symposium on Physico-Chemical Behaviour of Atmospheric Pollutants on the Oxidizing Capacity of the Troposphere, Venice, Italy, Oct 2-4, 1996. (Oral)
37. N. Poisson, and M. Kanakidou, 1996, A global three-dimensional study of the impact of NMHC on tropospheric photochemistry, AGU Fall meeting, San Francisco, Dec., 1996. (Oral)
38. Kanakidou M. Overview of CTMs used for simulations of the global troposphere in chemistry, IGAC-GIM (International Global Atmospheric Chemistry: IGBP Project - Global Integration Modeling), Gif-sur-Yvette (France), Nov. 18-19, 1996. (Oral)
39. Kanakidou M., Dentener F. J. O₃-GIM intercomparison exercise : results and discussion. IGAC-GIM (Intern. Global Atmosph. Chem.: IGBP Project - Global Integration), Gif-sur-Yvette (France), Nov 18-19, 1996. (Oral)
40. Kanakidou M., N. Poisson, The impact of Nonmethane hydrocarbon chemistry on the global troposphere, presented on July 4th at the 1997 joint assemblies of IAMAS and IAPSO, Melbourne, 1-9 July 1997. (Oral)
41. Baboukas E., Nguyen B.C., Mihalopoulos N., and Kanakidou M., Composition of precipitation in the southern Indian ocean, presented on July 7th at the 1997 joint assemblies of IAMAS and IAPSO, Melbourne, 1-9 July 1997. (poster)
42. Ezat U., Dulac F., Lambert C., Kanakidou M., Mihalopoulos N., and Kouvarakis G., Dust and Lead in Rainwaters of Crete, presented at the European Aerosol Conference, Hamburg, September, 1997. (Oral)
43. Kanakidou M., The secondary source of carbon monoxide: Importance and Uncertainties, International Conference on Atmospheric CO and its environmental effects, Portland, 3-6 Dec., 1997. (Oral)
44. Kanakidou M., F.J. Dentener, T.K. Berntsen, W.J. Collins, D.A. Hauglustaine, S. Houweling, I. Isaksen, M. Krol, M.G. Lawrence, J.F. Muller, N. Poisson, G.J. Roelofs, Y. Wang, W.M.F. Wauben, 3-D global simulations of tropospheric CO distributions - results of the GIM/IGAC intercomparison 1997 exercise, International Conference on Atmospheric CO and its environmental effects, Portland, 3-6 Dec., 1997. (Oral)
45. B. Bonsang, M. Kanakidou, N. Mihalopoulos, H. Kavouras, E. Stephanou, C. Pio, T. Nunes, A. Celia, P. Gomes, P. Seakins, A. Lewis, D. Harisson, C. Boissard, V. Gros, J. Sanak, Field Observation and Modelling of the Formation of Biogenic Organic Aerosols in Mediterranean areas. paper presented at the EGS 1998 Conference, Nice, April 1998 (Oral)

46. M. Kanakidou, Impact of the formation of secondary organic aerosols from naturally emitted hydrocarbons on ozone and organic aerosol global budgets. A global three-dimensional study paper presented at the 4th CACGP International Conference in Seattle, August 21, 1998. (Oral)
47. M. Kuhlman, U. Poelsch, P. J. Crutzen, N. Poisson and M. Kanakidou, Development of a chemical mechanism for isoprene chemistry, paper presented at the 4th CACGP International Conference in Seattle, August 21, 1998. (Oral)
48. P.J. Crutzen, M. Kanakidou, K. Tsigaridis, and F.J. Dentener, Human-activity-enhanced formation of organic aerosols by biogenic hydrocarbon oxidation, to be presented at the Seventh International Conference on Carbonaceous Particles in the Atmosphere will be held November 26 - 29, 2000 in San Juan, Puerto Rico. (INVITED TALK of Paul Crutzen)
49. Tsigaridis, K., Kanakidou, M., Dentener, F. J. and Crutzen, P. J. Human activity enhances the formation of organic aerosols by biogenic hydrocarbon oxidation. *Sixth scientific conference of the International Global Atmospheric Chemistry Project (IGAC)* 13-17 September, Bologna, Italy, 1999. (Oral)
50. Tsigaridis, K. and Kanakidou, M. Modeling atmospheric chemistry: a challenge to synthesize and test knowledge acquired from field and chamber experiments. *1st workshop on collaborative actions in the study of atmospheric chemistry*. 4 December, Heraklion, Greece, 2000. (Oral)
51. Kanakidou M., K. Tsigaridis, Human activity enhances ozone and aerosol production from natural ecosystems: Implications for South Europe and Global Climate. Paper presented at the first one -day Symposium on Climate changes in the S. E. Mediterranean, organized by the Greek Academy of Science, Athens, Greece, April 2001. (Oral)
52. Tsigaridis, K. and Kanakidou, M. Uncertainties in tropospheric chemistry simulations related to emission inventories of reactive trace gases. Emissions of chemical species and aerosols into the atmosphere, 19-22 June, Paris France, 2001. (Oral)
53. Bardouki H, M. Kanakidou, M. Vrekoussis, N. Mihalopoulos, J. Sciare, Characterisation of DMS oxidation products in the eastern Mediterranean: Results of the first EL CID campaign, *A Changing Atmosphere: the 8th European Symposium on the Physico-Chemical Behaviour of Atmospheric Pollutants*, 17-20 September 2001, Torino, Italy, 2001. (poster)
54. Tsigaridis, K. and Kanakidou, M. Anthropogenic versus natural secondary organic aerosol in the global troposphere. A changing atmosphere – 8th European Symposium on the Physico-Chemical behavior of atmospheric pollutants, 17-20 September, Torino, Italy, 2001. (paper available on CD-Rom and on the web) (Oral)
55. Tsigaridis, K. and Kanakidou, M., Formation and Occurrence of Secondary Organic Aerosols in the Global Troposphere. Joint CACGP/IGAC International Symposium on *Atmospheric Chemistry within the Earth System: From regional pollution to global change*, 19-25 September, Heraklion, Greece, 2002 (poster)
56. Kanakidou M., M.Vrekoussis, H.Berresheim, H.Bardouki, J. Sciare, G. Kouvarakis, C. Economou, J. Schneider, S.Borrmann, N. Mihalopoulos, Gaseous (DMS, MSA, SO₂, H₂SO₄ and DMSO) and particulate (sulfate and methanesulfonate) sulfur species during the MINOS campaign: 2. A Modelling approach. Joint CACGP/IGAC International Symposium on *Atmospheric Chemistry within the Earth System: From regional pollution to global change*, 19-25 September, Heraklion, Greece, 2002 (poster)

57. Vrekoussis M., H.Berresheim, V.Baboukas, V. Gros, M. Kanakidou, J. Lelieveld, N. Mihalopoulos, The role of NO₃ in the oxidation capacity of Eastern Mediterranean atmosphere as deduced by measurements during the MINOS campaign, Joint CACGP/IGAC International Symposium on *Atmospheric Chemistry within the Earth System: From regional pollution to global change*, 19-25 September, Heraklion, Greece, 2002 (poster)
58. Vrekoussis M., D. Perner, T. Kluepfel, J. Lelieveld, M. Kanakidou, N. Mihalopoulos, Seasonal variability of NO₃ in the Eastern Mediterranean atmosphere, Joint CACGP/IGAC International Symposium on *Atmospheric Chemistry within the Earth System: From regional pollution to global change*, 19-25 September, Heraklion, Greece, 2002 (poster)
59. F. Dulac, P. Chazette, C. Moulin, U. Ezat, J.-F. Leon, D. Paronis, M. Kanakidou, N. Mihalopoulos, G. Kouvarakis, I. Kavouras, E. Stephanou, I. Chiapello, M. Legrand, O. Pancrati, R. Losno, J.-P. Quisefit, G. Malingre, Overview of observational results from the Mediterranean Dust Experiment (MEDUSE) and correlative measurements, Joint CACGP/IGAC International Symposium on *Atmospheric Chemistry within the Earth System: From regional pollution to global change*, 19-25 September, Heraklion, Greece, 2002 (poster)
60. Vrekoussis M., M. Kanakidou, N. Mihalopoulos, D. Perner, P. J. Crutzen, J. Lelieveld, Εποχιακή διακύμανση των νιτρικών ριζών (NO₃) στην ατμόσφαιρα της Ανατολικής Μεσογείου, Ετήσιο επιστημονικό συνέδριο της Ένωσης Ελλήνων Χημικών (EEX), Nov 2002. (Oral)
61. M. Kanakidou, Tropospheric Ozone budget, SPARC/IGAC workshop on chemistry/climate interactions, Giens, 2003. (Oral)
62. K. Tsigaridis and M. Kanakidou, Human Impact on Atmospheric oxidant and carbonaceous aerosol concentrations in the global troposphere since preindustrial times, EGS- Nice April 2003. (Oral)
63. K.Tsigaridis and M. Kanakidou Aerosols in the global troposphere, EGS- Nice April 2003. (poster)
64. G. Kouvarakis, K. Tsigaridis, M. Kanakidou The impact of convection and chemistry of oxygenated organics on HO_x budget in the upper troposphere: A 3 –d global modeling. EGS- Nice April 2003. (poster)
65. A. Ladstätter-Weissenmayer, M. Kanakidou, J. P. Burrows, G. Tzirita, Pollution events over the Mediterranean region documented by GOME (Global Ozone Monitoring Experiment), ground based and sonde measurements and backtrajectory calculations, paper presented at the Quadrennial Ozone Symposium, Kos, 1-8 June, 2004. (poster)
66. E.V., Dermizaki, M. Kanakidou*, A. Ladstaetter-Weissenmayer, J.P. Burrows, Biomass burning impact on ozone budget over the East Mediterranean during summer 2000, paper presented at the Quadrennial Ozone Symposium, Kos, 1-8 June, 2004. (poster)
67. G. Kouvarakis, K. Tsigaridis, M. Kanakidou*, I. Alexandropoulos, M. van Weele, H. Fischer, The impact of oxygenated organics on HO_x and ozone budget in the upper troposphere, paper presented at the Quadrennial Ozone Symposium, Kos, 1-8 June, 2004. (poster)
68. L. Perakis, N. Galanis, G. Kouvarakis, K. Tsigaridis, M. Kanakidou*, F. Kirchner, The impact of solvent use on ozone budget in the low troposphere, paper presented at the Quadrennial Ozone Symposium, Kos, 1-8 June, 2004. (poster)

69. E. Gerasopoulos, G. Kouvarakis, M. Vrekoussis, M. Kanakidou, N. Mihalopoulos*, Ozone variability in the marine boundary layer of the Eastern Mediterranean- A statistical approach, paper presented at the Quadrennial Ozone Symposium, Kos, 1-8 June, 2004. (poster)
70. M. Vrekoussis, N. Kalivitis, N. Mihalopoulos, M. Kanakidou*, T. Kluepfel, J. Lelieveld, G. Chourdakis, Factors controlling the diurnal variation of ozone in the marine boundary layer of the Eastern Mediterranean during summertime, paper presented at the Quadrennial Ozone Symposium, Kos, 1-8 June, 2004. (Oral)
71. N. Kalivitis; Vrekoussis, M.; Chourdakis, G.; Xylouri, A.; Kanakidou, M. Mihalopoulos, N., Daily variability of the extinction of solar radiation by Sahara dust over the east Mediterranean, paper to be presented at the IGAC 2004 International Conference, New Zealand, Sept. 2004. (poster)
72. D. Balis, A. Papayannis, N. Kalivitis, G. Chourdakis, V. Amoiridis, M. Vrekoussis, N. Mihalopoulos, M. Kanakidou, G. Tsaknakis, Extinction of solar radiation over the east mediterranean under sahara dust influence, paper to be presented at the IGAC 2004 International Conference, New Zealand, Sept. 2004. (poster)
73. M. Vrekoussis, N. Mihalopoulos, M., Kanakidou, P.J., Crutzen, J., Lelieveld, Seasonal variability of NO₃ in the Eastern Mediterranean atmosphere. Contribution to the oxidizing capacity of the atmosphere, IGAC 2004 International Conference, New Zealand, Sept. 2004. (poster)
74. K. Tsigaridis, M. Kanakidou, Impact of Climate and chemistry feedbacks on tropospheric secondary organic aerosol budget, IGAC 2004 International Conference, New Zealand, Sept. 2004. (poster)
75. M. Kanakidou, Global modelling of secondary organic aerosols. Natural versus anthropogenic impacts, first French-German Summer school, Ile d'Oleron, September 19th – October 1st 2004. (Oral)
76. M. Kanakidou et al., The PHOENICS project, ACCENT – modeling workshop, Paris June 2004 (Oral)
77. M. Kanakidou and K. Tsigaridis, Global modeling of SOA in the troposphere, ACCENT – modeling workshop, Paris June 2004. (poster)
78. M. Kanakidou, Natural versus Anthropogenic Contribution to Secondary Organic Aerosol (SOA) production & Natural variability, ACCENT T&TP workshop, Barnsdale, Oct, 2004. (Oral)
79. M. Kanakidou, et al., Synergistic use of satellite data, ground based observations, back trajectory analysis and a global CTM results for Studies of tropospheric trace gases and aerosols over the Mediterranean, ACCENT- AT2 2nd workshop, Bremen, 30 January-2nd February 2005. (Oral)
80. Dermitzaki E. V., Ladstätter-Weißenmayer A., Kouvarakis G., Richter A, Tsigaridis K., Burrows J.P., Kanakidou M. Impact of biomass burning on ozone and nitrogen dioxide budgets over the east Mediterranean during summer 2000, ACCENT Symposium, Urbino, 12-16 Sept. 2000. (poster)

81. Ladstätter-Weissenmayer A., Kanakidou M., Burrows J.P., Tsigaridis K., Dermitzaki E.V., Tzirita G., Investigation of O₃ and tropospheric NO₂ and HCHO columns variability over the Mediterranean in spring, ACCENT Symposium, Urbino, 12-16 Sept. 2000. (poster)
82. Vrekoussis M., Liakakou H., Mihalopoulos N., Crutzen P. J., Lelieveld J., and Kanakidou M., Nighttime chemical formation of HNO₃ and NO₃⁻ in the Eastern Mediterranean region, ACCENT Symposium, Urbino, 12-16 Sept. 2005. (poster)
83. Vrekoussis M., Kanakidou M., Myriokefalitakis S., Kalivitis N., Kluepfel Th., Lelieveld J., and Mihalopoulos N., Diel and seasonal variation of the peroxy radicals in the eastern Mediterranean boundary layer, ACCENT Symposium, Urbino, 12-16 Sept. 2005. (Oral)
84. Sfakianaki M., Tsigaridis K., von Hoyningen-Huene W., Kouvarakis G., Burrows J.P., Kanakidou M., Aerosol optical thickness (AOT) over the Mediterranean during summer 2003., ACCENT Symposium, Urbino, 12-16 Sept. 2005. (poster)
85. Gerasopoulos E., Kouvarakis G., Vrekoussis M., Donoussis Ch., Kanakidou M., Mihalopoulos N., Estimation of ozone production rates in the eastern Mediterranean based on 7-year measurements and comparison with model calculations, ACCENT Symposium, Urbino, 12-16 Sept. 2005. (poster)
86. K. Tsigaridis, J. Lathière, M. Kanakidou and D. A. Hauglustaine, Naturally driven variability in the global secondary organic aerosol over a decade, CEST Sept. 2005. (Oral)
87. M. Vrekoussis, M. Kanakidou, H. Liakakou, N. Mihalopoulos, P. J. Crutzen, and J. Lelieveld, Formation of HNO₃ and particulate NO₃ in the polluted marine boundary layer of the Eastern Mediterranean, CEST Sept, 2005 (Oral)
88. E. Gerasopoulos, G. Kouvarakis, M. Vrekoussis, M. Kanakidou and N. Mihalopoulos Analysis of ozone trends in the East Mediterranean, CEST Sept., 2005. (Oral)
89. J. Burrows, P. Borrell, B. Buchmann, M. Dameris, J.-M. Flaud, M. Kanakidou, G. de Leeuw, Ankie Piers, U. Platt, A. Richter, G. Visconti, Th. Wagner, Remote sensing of atmospheric constituents from space ACCENT-TROPOSAT-2 (AT2) ACCENT Symposium, Urbino, 12-16 Sept. 2005 (poster).
90. P. Monks, P. Borrell, M. Kanakidou, K. Law, M. Millan, N. Moussiopoulos, Transport and Transformation ACCENT-T&TP, ACCENT Symposium, Urbino, 12-16 Sept. 2005 (poster).
91. W. von Hoyningen-Huene, A. Kokhanovsky, J. P. Burrows, M. Sfakianaki, and M. Kanakidou, Validation of aerosol optical thickness retrieved by BAER (Bremen Aerosol Retrieval) in the Mediterranean area, in the proceedings of MERIS/AATSR workshop 2005 at ESA ESRIN 26.-30. Sept. 2005. (poster)
92. M. Vrekoussis, H. Liakakou, N. Mihalopoulos, P.J. Crutzen, J. Lelieveld and M. Kanakidou*, On the daytime and nighttime chemical formation of HNO₃(g) and NO₃⁻ (part) in the Eastern Mediterranean region, in the proceedings of the ILEAPS 1st Science Conference – Boulder, Jan 21-26, 2006, pp. 111 (poster)
93. M. Vrekoussis, N. Kalivitis, S. Myriokefalitakis, E. Gerasopoulos, J. Williams, J. Lelieveld, N. Mihalopoulos, M. Kanakidou 'Nighttime occurrence of peroxy radicals in the marine boundary layer of the Eastern Mediterranean', Joint IGAC / CACGP / WMO SYMPOSIUM, Cape Town, South Africa, September 2006 (poster)

94. S. Myriokefalitakis, K. Tsigaridis, G. Kouvarakis, N. Mihalopoulos, M. Kanakidou 'Organic Acids in the Troposphere: A Global 3D Study', Joint IGAC / CACGP / WMO SYMPOSIUM, Cape Town, South Africa, September 2006 (poster)
95. Tsigaridis K., Maarten Krol, Frank J. Dentener, Yves Balkanski, Juliette Lathière, Swen Metzger, Didier Hauglustaine and Kanakidou M., Change in global aerosol composition since preindustrial times, presented at the Joint IGAC / CACGP / WMO SYMPOSIUM, Cape Town, South Africa, September 2006 (poster)
96. Gerasopoulos E, C. Zerefos, N. Mihalopoulos, M. Petrakis, D. Founda, V. Psiloglou, M. Kanakidou, M. Vrekoussis, N. Kalivitis, Changes in photochemistry during the 2006 solar eclipse at several locations in the Eastern Mediterranean, presented at the Joint IGAC / CACGP / WMO SYMPOSIUM, Cape Town, South Africa, September 2006 (poster)
97. M. Vrekoussis, L. Lange, E. Kassotaki, Ch. Donousis, E. Liakakou, J. Williams, M. Kanakidou, N. Mihalopoulos, Factors controlling the levels of peroxy-acetyl nitrate (PAN) in the Eastern Mediterranean area presented at the Joint IGAC / CACGP / WMO SYMPOSIUM, Cape Town, South Africa, September 2006 (poster presentation)
98. Kouvarakis G., Tsigaridis K., Kanakidou M., A global 3-dimensional model investigation of the reactive nitrogen reservoir over Europe, presented at the Joint IGAC / CACGP / WMO SYMPOSIUM, Cape Town, South Africa, September 2006 (poster)
99. Liakakou E., Donoussis Ch., Bonsang B., Williams J., Kanakidou M., Mihalopoulos N., SEASONAL VARIATION OF C3-C6 MNHCs OVER THE EASTERN MEDITERRANEAN, presented at the Joint IGAC / CACGP / WMO SYMPOSIUM, Cape Town, South Africa, September 2006 (poster)
100. M. Mandalakis, K. Tsigaridis, M. Kanakidou, Ö. Gustafsson, J. Axelman, E. G. Stephanou, Modeling of the global destruction of polychlorinated biphenyls by OH radicals in the troposphere, presented at the Joint IGAC / CACGP / WMO SYMPOSIUM, Cape Town, South Africa, September 2006 (poster)
101. Tsigaridis K., M. Kanakidou, Impact of biogenic emissions on secondary organic aerosol formation in the future atmosphere, GEIA Open Science Conference, Paris, Dec 2006. (poster)
102. Vrekoussis, M., F. Wittrock, A. Richter, J. P. Burrows, S. Myriokefalitakis, K. Tsigaridis, and M. Kanakidou, Global observations of glyoxal (CHOCHO) from space, INTROP, ACCENT, EURO CAMP workshop on Aerosols – properties, processes and climate, Crete 21-25 April 2007 (poster).
103. S. Christodoulaki, G. Petihakis, N. Mihalopoulos, M. Kanakidou*, G. Triantafyllou, Impact of atmospheric deposition of nitrogen and phosphorus on the ocean productivity in the Cretan sea: A 1-d modelling study, Paper to be presented at the IUGG Conference, IAPSO PS001: Biogeochemical Budget and Cycles in the Mediterranean Sea, 09/07/07, Perugia, July 2007. (Oral).
104. P. Monks, P. Borrell, J. Brandt, M. Kanakidou, K. Law, M. Millán, N. Moussiopoulos, O. Tarasova, TRANSPORT & TRANSFORMATION OF POLLUTANTS (T&TP), presentation of the subproject at the ACCENT Conference, Urbino, July 2007. (poster)
105. J. Burrows, P. Borrell, B. Buchmann; M. Dameris, J.-M. Flaud, M. Kanakidou, G. de Leeuw, J. Orphal; A. Pithers, U. Platt, A. Richter, Th. Wagner Remote Sensing of the Troposphere from

Space ACCENT-TROPOSAT-2 (AT2), presentation of the subproject at the ACCENT Conference, Urbino, July 2007. (poster)

106. K. Tsigaridis, M. Kanakidou, Secondary organic aerosol importance in the future troposphere, ACCENT Conference, Urbino, July 2007. (poster)
107. Sfakianaki M., W. von Hoyningen-Huene, S. Myriokefalitakis, J. P. Burrows, M. Kanakidou, Validation of Bremen Aerosol Retrieval (BAER) approach, applied to Meris and SeaWiifs data over the Mediterranean, ACCENT Conference, Urbino, July 2007. (poster)
108. Myriokefalitakis S., K. Tsigaridis, M. Kanakidou, A global 3-dimensional study of SOA formation in the troposphere: New findings, ACCENT Conference, Urbino, July 2007. (poster)
109. M. Vrekoussis, F. Wittrock, A. Richter, S. Myriokefalitakis, M. Kanakidou and J. P. Burrows, Four years of concurrent satellite-based oxygenated organic tracers observations (HCHO & CHOCHO) as constraints on VOCs emissions, ACCENT Conference, Urbino, July 2007. (Oral)
110. M. Kanakidou, N. Mihalopoulos, N. Kalivitis, K. Tsigaridis, G. Kouvarakis, E. Koulouri, E. Gerasopoulos, M. Vrekoussis, S. Myriokefalitakis, Natural Contributions to particulate matter levels over Europe- The experience from Greece, CEST, Kos, 5-9 Sept, 2007 in *CEST2007: A-585-592*, (Sep 2007), <http://www.srcosmos.gr/srcosmos/showpub.aspx?aa=9717> (oral)
111. M. Kanakidou, Aerosols and Human Health, ACCENT/INTROP/GEIA summer school. Ile d'Oleron, Sept. 2007.
112. M. Kanakidou, Aerosols in Global models, ACCENT/INTROP/GEIA summer school. Ile d'Oleron, Sept. 2007.
113. Tzitzikalaki E., N. Mihalopoulos, V.M. Kerminen, M. Kanakidou, H. Berresheim & J. Sciare, Seasonal variability of the formation of particle sulfur species (sulfate and methanesulfonate) over the Eastern Mediterranean: a modeling approach, poster presentation at the ACCENT/INTROP/GEIA summer school. Ile d'Oleron, Sept. 2007
114. Vrekoussis M., Wittrock F., Richter A., Burrows J.P., Myriokefalitakis, S., Kanakidou M., Tsigaridis K. Global Signal as observed from Space: Is the anthropogenic contribution important? Contribution to the ACCENT CCAQ: Group 1: Investigating changes in photo-oxidants, precursors and feedback mechanisms, with changing temperature and land use, 4th Barnsdale expert meeting, Oct-Nov. 2007.
115. Vrekoussis, M., N. Mihalopoulos, E. Gerasopoulos, M. Kanakidou, P. J. Crutzen, and J. Lelieveld, Long-term observations of nitrate radicals in the marine boundary layer of a remote area. Contribution to the ACCENT CCAQ: Group 1: Investigating changes in photo-oxidants, precursors and feedback mechanisms, with changing temperature and land use, 4th Barnsdale expert meeting, Oct-Nov. 2007.
116. Tsigaridis, K. (invited speaker), Myriokefalitakis, S. and Kanakidou, M. (2007) Modeling secondary organic aerosols: current achievements and future challenges. International Aerosol Modeling Algorithms (IAMA) conference, 5-7 December, Davis, USA.
117. Kanakidou M., Tsigaridis, K., Myriokefalitakis, S., Lazaros, P., Mihalopoulos, N., Kalivitis, N., Gerasopoulos, E., Vrekoussis, M., Natural and anthropogenic contributions to particulate matter levels over East Mediterranean, in the proceeding of the 9th Conference Meteorology-Climatology and Atmospheric Physics (9th COMECAP2008), Thessaloniki, Greece, May 2008. (oral presentation)

118. Zanis, P. and Kanakidou, M., A study of the climate feedback of anthropogenic aerosols over Europe with the regional climate model RegCM3, in the proceeding of the 9th Conference Meteorology-Climatology and Atmospheric Physics (9th COMECAP2008), Thessaloniki, Greece, May 2008. (oral presentation)
119. Kanakidou M., Myriokefalitakis, S., Tsigaridis, K., Sfakianaki, M., Mihalopoulos, N., Kalivitis, N., Gerasopoulos, E., Natural contributions to particulate matter levels over Europe, in the proceedings of the 9th International Conference on the Protection and restoration of the environment, Kefalonia, Greece, June 2008 (oral presentation).
120. Kanakidou M., Burrows J. P., Ganzeveld L., Gallardo L., Monks P., Wolff E., Krol M., Global observations and modeling of the oxidizing capacity of the troposphere A challenge in understanding atmospheric composition change., IGBP Congress, Cape Town, May 2008.
121. Kanakidou M., Kawamura, K., Burrows, J.P. and the CACGP Commission, Interactions between anthropogenic and natural emissions & impacts on air pollution, the oceans and climate, IGBP Congress, Cape Town, May 2008.
122. Kanakidou, M., Organic Aerosols: Past, Present and Future, Stockholm, May 2008.
123. Kanakidou et al., Global modeling of the oceanic source of organic aerosols: primary and secondary sources, Telluride, CO, USA, August 2008 (oral).
124. Myriokefalitakis S., Tsigaridis K., Kanakidou M., Marine Secondary Organic Aerosol (SOA) Global Distribution, EAC, Thessaloniki, August 2008 (oral by MK)
125. Papadimas C.D., N. Hatzianastassiou, N. Mihalopoulos, M. Kanakidou and I.Vardavas Global distribution of direct aerosol climate forcing based on spectral aerosol optical properties from MODIS, EAC August 2008
126. Arsene, C., Olariu, R.I., Kanakidou, M., Mihalopoulos, N., Atmospheric aerosol characterization at Iasi, north-eastern Romania. First results, European Aerosol Conference (EAC 2008), T06A206P, 2008.
127. Myriokefalitakis S., Vignati E., Tsigaridis k., Papadimas Ch., Kanakidou M.*, Global Modeling of the Oceanic source of Organic Aerosols: Primary and Secondary sources., IGAC, Annecy, September 2008 (oral) (**presented by MK - Broadcasted**)
128. Myriokefalitakis S., Tsigaridis K., Kanakidou M., Global modeling of secondary organic aerosol (SOA) formation from isoprene oxidation: Relative importance of multiphase chemistry, IGAC, Annecy, September 2008 (poster)
129. Tsigaridis K, Myriokefalitakis S., Kanakidou M., Organic aerosol parameterization in global models: How simple can it be?IGAC Annecy, September 2008 (poster)
130. Kanakidou M. S. Myriokefalitakis, K. Tsigaridis, N. Mihalopoulos, X. Querol, A. Alastuey, Natural and Anthropogenic contributions to particulate matter in southern Europe, EUCAARI, Helsinki,, Report Series in Aerosol Science part A (vol 99), Proceedings of 2008 EUCAARI Annual Meeting Helsinki 17.-21.11.2008, Hanna K. Lappalainen, Ari Asmi, Tuomo Nieminen, and Markku Kulmala, 121-126, 2008 (oral)

131. S. Christodoulaki, G. Petihakis, N. Mihalopoulos, M. Kanakidou, Importance of atmospheric deposition of nitrogen and phosphorus for the marine ecosystem of the Cretan Sea, paper to be presented at the MOCA 2009 International Conference, Montreal July 2009 (poster)
132. M. Kanakidou, S. Myriokefalitakis, K. Tsigaridis, N. Daskalakis, Global Sources of Organic Aerosols in the Atmosphere: Reconciling model results with observations, paper to be presented at the MOCA 2009 International Conference, Montreal July 2009 (poster)
133. K. Tsigaridis, S. Myriokefalitakis, M. Kanakidou, How much detail is needed in the two-product model for the accurate representation of secondary organic aerosol formation? Simplicity versus accuracy in global secondary organic aerosol modeling, paper to be presented at the MOCA 2009 International Conference, Montreal July 2009 (oral)
134. M. Vrekoussis, A. Richter, F. Wittrock, M. J. P. Burrows, E. Gerasopoulos, V. Amiridis, M. Petrakis, C. Zerefos, S. Myriokefalitakis, M. Kanakidou, N. Mihalopoulos, Monitoring air pollution from space: The major urban areas of the Eastern Mediterranean basin, in the proceedings of the International Conference on Space Technology, Thessaloniki, 24-28 August 2009.
135. Myriokefalitakis S., Vrekoussis M., Tsigaridis K., Wittrock F., Richter A., Brühl, C., Volkamer R., Burrows J.P., Kanakidou M*. The influence of natural and anthropogenic secondary sources on the glyoxal global distribution: What do we learn comparing model results with satellite observations? In the proceedings of the International Conference on Space Technology, Thessaloniki, 24-28 August 2009.
136. E.V. Dermitzaki, M. Vrekoussis, S. Myriokefalitakis, N. Mihalopoulos, A. Ladstätter-Weissenmayer, A. Richter, F. Wittrock, J.P. Burrows, M. Kanakidou*, Spatial and temporal variability of O₃, CO, NO₂, HCHO inferred from satellite, ground based observations and modeling above South-East Europe: Role of pollution sources, in the proceedings of First International Conference on Space Technology, Thessaloniki, 24-26 August 2009 (oral).
137. E.V. Dermitzaki, M. Vrekoussis, S. Myriokefalitakis, A. Ladstätter-Weissenmayer, M. Kanakidou*, N. Mihalopoulos, Spatial and temporal variability of O₃, CO, NO₂, HCHO inferred from satellite, ground based observations and modeling above South East Europe: Role of pollution sources, presented at the IAMAS, MOCA 2009 Conference (poster).
138. Kanakidou M., IGAC Future Science Priorities in atmospheric chemistry – initial thoughts, IGAC future priorities workshop, London, Sept. 2009
139. Kanakidou M., Organic aerosols in the marine atmosphere: What do we learn from TM4-ECPL global model results and comparison with observations “Secondary Marine Organic Aerosol Formation” COST Action 735 Working Group 1, Bologna (Italy) April 26-28, 2010 (oral).
140. Maria Kanakidou*, Robert Duce, Joe Prospero, Frank J. Dentener, Mitsuo Uematsu, L.M. Zamora, Alex Baker, Tong Zhu, Keith A. Hunter, Nilgun Kubilay, Peter S. Liss, Natalie Mahowald, Greg Okin, Manmohan Sarin, Vanisa Surapipith, Ina Tegen, Atmospheric Organic Material and the Nutrients it Carries to the Ocean, presented at the IGAC/CACGP International Symposium "Atmospheric Chemistry: Challenging the Future" in Halifax, www.icacgp-igac-2010.ca/, 11-16 July 2010 (poster).
141. Kanakidou, Maria, Tsigaridis, Kostas, Daskalakis Nikos and the OA AEROCOM team An AEROCOM Intercomparison Exercise in Organic Aerosol Modeling, International Aerosol Conference, Helsinki 29 August -3 Sept. 2010 (oral).

- 142.** Poupkou, Anastasia, Katragkou, Eleni, Koukouli, Maria-Elissavet, Kazadzis, Stylianos, Markakis, Konstantinos, Giannaros, Theodoros, Balis, Dimitrios, Daskalakis, Nikos, Kanakidou, Maria and Melas, Dimitrios, Evaluation of simulated PM₁₀ concentrations over Greece using gridded satellite measurements, International Aerosol Conference, Helsinki 29 August -3 Sept. 2010 (poster)
- 143.** Kindap T., Unal A., Kanakidou M., Im U., Karaca M., Analysis of the Saharan dust transport to the Anatolian Peninsula: A megacity perspective. European Geophysical Union (EGU) 2011 General Assembly, 3-8 April, Vienna, Austria, 2011.
- 144.** Im U., Markakis K., Poupkou A., Melas D., Unal A., Gerasopoulos E., Daskalakis N., Kanakidou M., Temperature changes impact on summer time air quality in the Eastern Mediterranean. European Geophysical Union (EGU) 2011 General Assembly, 3-8 April, Vienna, Austria, 2011.
- 145.** Im U., Markakis K., Daskalakis N., Doering U., Unal A., Mihalopoulos N., Gerasopoulos E., Kocak M., Kindap T., van Aardenne J., Kubilay N., Kanakidou M., Quantification of air pollution levels and its sources in the Eastern Mediterranean: A megacity perspective. European Geophysical Union (EGU) 2011 General Assembly, 3-8 April, Vienna, Austria, 2011.
- 146.** Kanakidou, M., R. Duce, J. Prospero, F. J. Dentener, M. Uematsu, K. Tsigaridis, A. Baker, T. Zhu, L.M. Zamora, C. Benitez-Nelson, Atmospheric Organic Material and the Nutrients it carries to the Ocean, IUGG, Melbourne, July 2011.
- 147.** Daskalakis N., Tsigaridis K., Myriokefalitakis S., Kanakidou M., Observed and simulated ozone and organic aerosol changes in the global troposphere during the last decade, presented at the ACCENT plus Conference, Urbino, 13-16 Sept 2011.
- 148.** Im U., Daskalakis N., Gerasopoulos E., Kindap T., Kocak M., Markakis K., Melas D., Mihalopoulos N., Poupkou A., Unal A., Kanakidou M., Impact of the emissions from the Eastern Mediterranean megacities on air quality. ACCENT Plus, Air Quality and Climate Change: Interactions and feedbacks, 3rd Urbino Symposium, 13-16 September, Urbino, Italy, 2011.
- 149.** Christodoulaki, S., Kanakidou, M., Mihalopoulos, N., Petihakis, G., Tsiaras G., Violaki, K., Triantafyllou, G., Evaluating the importance of atmospheric deposition of nitrogen on the marine ecosystem in the east mediterranean, ACCENT plus Conference, Urbino, 13-16 Sept 2011.
- 150.** Poupkou A., Markakis K., Liora N., Giannaros T., Im U., Daskalakis N., Myriokefalitakis S., Melas D., Kanakidou M., 2011. First results on the impact of Greek forest fires in summer 2007 on the air quality of the Eastern Mediterranean. ACCENT Plus, Air Quality and Climate Change: Interactions and feedbacks, 3rd Urbino Symposium, 13-16 September, Urbino, Italy, 2011.
- 151.** Im U., Markakis K., Daskalakis N., Doering U., Unal A., Mihalopoulos N., Gerasopoulos E., Kocak M., Kindap T., van Aardenne J., Kubilay N., Kanakidou M., 2010. Seasonal Variation of Air Pollution over the Eastern Mediterranean in 2008: A modeling study. An International Workshop on Mesoscale Modeling for Air Pollution Applications - Achievements and Challenges, 25-26 February 2010, Geneva, Switzerland – COST Action 728 Final Workshop (oral).
- 152.** Michael Gauss, Erika von Schneidemesser, Paul S. Monks, Augustin Colette, Markus Amann, Maria Kanakidou and the CityZen team, Policy-relevant messages from CityZen – an EU FP7 project about the environmental impact of megacities, IGBP Open Science Conference, The Planet Under Pressure, London 2012.
- 153.** Myriokefalitakis S. and Kanakidou M., Reconciling TM4-ECPL model calculations with TORERO Observations, First TORERO science meeting, Boulder, July 2012

154. Kanakidou Maria, Daskalakis Nikos, Myriokefalitakis Stelios, Tsigaridis Kostas Global simulations of organic and inorganic nitrogen atmospheric deposition: Past and Future changes. IGAC Atmospheric Chemistry in the Anthropocene, Beijing, 17-21 Sept. 2012 (oral)
155. Tsigaridis Kostas, Kanakidou Maria, Daskalakis Nikos, Understanding our current knowledge on organic aerosol modeling and comparison with measurements: an AEROCOM multi-model approach, IGAC Atmospheric Chemistry in the Anthropocene, Beijing, 17-21 Sept. 2012 (oral)
156. U. Im, K. Markakis, M. Kocak, E. Gerasopoulos, N. Daskalakis, N. Mihalopoulos, A. Poupkou, T. Kindap, A. Unal, M. Kanakidou, Air quality in the east mediterranean: impacts of emissions, temperature and mitigation, IGAC Atmospheric Chemistry in the Anthropocene, Beijing, 17-21 Sept. 2012 (poster P2-097)
157. Myriokefalitakis S., Nikos Daskalakis, Joost M. J. Aan de Brugh, Maarten C. Krol and Maria Kanakidou, Contribution of long-range transport to Eastern Mediterranean air pollution levels: A 3-D modeling study IGAC Atmospheric Chemistry in the Anthropocene, Beijing, 17-21 Sept. 2012 (poster P2-099) .
158. Violaki K, Mara P., Spyros A., Kanakidou M., Mihalopoulos N., Atmospheric deposition of phosphorous over the east Mediterranean, IGAC Atmospheric Chemistry in the Anthropocene, Beijing, 17-21 Sept. 2012 (poster P-5-023)
159. Christodoulaki, S. Petihakis G., Mihalopoulos N., Kanakidou M., Atmospheric Deposition Controls on the East Mediterranean Marine Ecosystem, American Meteorological Society, January 2013.(oral)
160. Im, U., K. Markakis, N. Daskalakis, E. Gerasopoulos, M. Vrekoussis, N. Mihalopoulos, J. Burrows, T. Kindap, A. Richter, A. Unal, M. Kanakidou , Evaluation of simulated air quality levels over Europe in 2008 and main drivers of uncertainty, Geophysical Research Abstracts, Vol. 15, EGU2013-2589, 2013, EGU General Assembly 2013, Vienna April 2013 (poster)
161. Im U., K. Violaki, P. Zarbas, S. Christodoulaki, N. Mihalopoulos, M. Kocak, M. Kanakidou. Atmospheric nitrogen deposition over the Mediterranean, Black Sea and Europe as simulated by the WRF-CMAQ model system, Geophysical Research Abstracts, Vol. 15, EGU2013-2583, 2013, EGU General Assembly 2013, Vienna April 2013 (oral)
162. Daskalakis N., Myriokefalitakis S., Kanakidou M: Global Ozone and Organic Aerosol sensitivity to biomass burning emissions, EGU 2013, Vienna April 2013 (poster)
163. Kanakidou, M., Daskalakis, N, Myriokefalitakis S., K. Tsigaridis: Past and Future changes of organic and inorganic nitrogen global atmospheric deposition, Davos Atmosphere and Cryosphere Assembly DACA-13, July 8-12, Davos Switzerland, 2013 (B7.2a Atmosphere Land Cryosphere Interactions -689 oral)
164. Myriokefalitakis S., Daskalakis N., Kanakidou M., Impact of crustal elements on global atmospheric deposition of Nitrogen, Goldschmidt Florence Aug. 2013 (poster)
165. Violaki K., Kanakidou M., Mihalopoulos N.:Phosphorous Speciation in Atmospheric Deposition Samples in the East Mediteranean, Goldschmidt Florence, Agu. 2013 (oral)
166. Tsigaridis K., Daskalakis N., Kanakidou M., et al., OA AEROCOM modeling exercise, Hamburg, Sept 2013 (oral)
167. Myriokefalitakis S., and Kanakidou M.: A global 3-D modeling study of Iron deposition with focus on the Mediterranean, paper presented at the ACCENT-plus 2013 Conference, "Bringing together the European Research in Atmospheric Composition Change - Challenges for the next decade", Urbino, 17-20 September 2013.(poster)

168. Im U., S. Christodoulaki, Violaki, P. Zarbas, N. Mihalopoulos, M. Kocak, M. Kanakidou Atmospheric deposition of nitrogen and sulfur over Southern Europe with focus on the Mediterranean and the Black Sea, ACCENT plus Conference, Urbino Sept. 2013 (oral)
169. Kanakidou M., Daskalakis N., Myriokefalitakis S, Tsigaridis K, Violaki K., Mihalopoulos, N: Past and future changes in global nitrogen atmospheric deposition, presented at the 'Mediterranean Marine Biodiversity in view of climatic change and the invasion of alien species', organized by HNMR, Heraklion 2013 (oral).
170. Christodoulaki S., Petihakis G., Mihalopoulos N., M. Kanakidou: ATMOSPHERIC DEPOSITION CONTROLS ON THE EAST MEDITERRANEAN MARINE ECOSYSTEM Mediterranean Marine Biodiversity in view of climatic change and the invasion of alien species, organized by HNMR, Heraklion 2013 (oral).
171. Alex Baker, Katye Altieri, Greg Okin, Frank Dentener, Mitsuo Uematsu, Maria Kanakidou, Manmohan Sarin, Robert Duce, Jim Galloway, Bill Keene, Arvind Singh, Lauren Zamora, Jean-Francois Lamarque, and Shih-Chieh Hsu, Atmospheric Nitrogen Deposition to the Oceans: Observation- and Model-Based Estimates, EGU 2014, AS4.3/BG3.4/OS3.2 Atmospheric Deposition to the Ocean: Impacts on Marine Biogeochemistry and Climate.(oral)
172. Myriokefalitakis S., Mihalopoulos N., Baker A., Kanakidou M : The anthropogenic influence on Iron deposition over the oceans: a 3-D global modeling study, EGU 2014, AS4.3/BG3.4/OS3.2 Atmospheric Deposition to the Ocean: Impacts on Marine Biogeochemistry and Climate. (poster)
173. Sylvia Christodoulaki, George Petihakis, Konstantinos Tsiaras, George Triantafyllou, Nikolaos Mihalopoulos, and Maria Kanakidou Simulations of the impact of high pulse atmospheric deposition events on a low nutrient low chlorophyll (LNLC) marine ecosystem, EGU 2014, AS4.3/BG3.4/OS3.2 Atmospheric Deposition to the Ocean: Impacts on Marine Biogeochemistry and Climate. (oral)
174. Myriokefalitakis, S., Nikos Daskalakis, and Maria Kanakidou Impact of crustal elements on global atmospheric deposition of Nitrogen, EGU 2014, AS4.3/BG3.4/OS3.2 Atmospheric Deposition to the Ocean: Impacts on Marine Biogeochemistry and Climate. (poster)
175. Kanakidou M., Nikos Daskalakis, Stelios Myriokefalitakis, and Kostas Tsigaridis Interactions of anthropogenic and natural atmospheric sources and global N cycle: Past and Future changes EGU 2014, AS4.3/BG3.4/OS3.2 Atmospheric Deposition to the Ocean: Impacts on Marine Biogeochemistry and Climate. (poster)
176. Violaki, K., Snejana Moncheva, Marie-Dominique Loÿe-Pilot, François Bourrin, Panayiota Nikolaou, Nicole Delsaut, Maria Kanakidou, and Nikos Mihalopoulos Atmospheric deposition of dissolved nitrogen and phosphorus in the North Western, East Mediterranean and Black Sea EGU 2014, AS4.3/BG3.4/OS3.2 Atmospheric Deposition to the Ocean: Impacts on Marine Biogeochemistry and Climate (poster)
177. Buitenhuis, E., Parvatha Suntharalingam, Maria Kanakidou, and Jean-Francois Lamarque, Small impacts of atmospheric N deposition on ocean carbon cycle. EGU 2014, AS4.3/BG3.4/OS3.2 Atmospheric Deposition to the Ocean: Impacts on Marine Biogeochemistry and Climate. [EGU2014-16701, poster](#)
178. Theodosi S., P. Zarmpas, A. Bougiatioti, M. Kocak, G. Kouvarakis, N. Mihalopoulos, "Long term measurements of Carbonaceous Aerosols over the Eastern Mediterranean and Black Sea: Primary versus secondary sources", IGAC International Science Conference 2014 (13th IGAC Science Conference on Atmospheric Chemistry, Brazil, Natal, 22-26 September 2014. (Poster Presentation)

- 179.** Nikolaou P., N. Mihalopoulos, M. Kanakidou, Atmospheric input and solubility of trace metals over the Eastern Mediterranean, IGAC International Science Conference 2014 (13th IGAC Science Conference on Atmospheric Chemistry, Brazil, Natal, 22-26 September 2014. (Poster Presentation)
- 180.** Kanakidou M. Myriokefalitakis S, Nikolaou P, Daskalakis N., Theodosi C., Nenes A., Tsigaridis K. , Mihalopoulos N.: Soluble dust as source of nutrients to the oceans and the role of humans, AGU, Dec. 2014 (oral)
- 181.** Kanakidou M., Myriokefalitakis S., Nikolaou P., Daskalakis N., Theodosi C., Nenes A., Tsigaridis K., and Mihalopoulos N., Soluble dust as source of nutrients to the global ocean and the role of humans. EGU AS4.21/BG3.4/OS3.2 Vienna, 2015 (oral)
- 182.** Myriokefalitakis S., Daskalakis N., Mihalopoulos N., Baker A.R., Nenes A., and Kanakidou M.: Simulated changes in dissolved Iron deposition to the global ocean driven by human activity, EGU AS4.21/BG3.4/OS3.2 Vienna, 2015 (poster)
- 183.** Nikolaou P., Mihalopoulos N., and Kanakidou M.: Factors controlling the solubility of trace metals in atmospheric aerosols over the Eastern Mediterranean, EGU AS4.21/BG3.4/OS3.2 Vienna, 2015 (poster)
- 184.** Mihalopoulos N., Nikolaou P., Kanakidou M.: Factors controlling the solubility of trace metals in atmospheric aerosols over the eastern Mediterranean, JM3 Geochemical Process and Cycles, IUGG, Prague 27-30 June 2015. (oral)
- 185.** Kanakidou M., Myriokefalitakis S., Daskalakis N., Nenes A., Tsigaridis K., Mihalopoulos N., Nikolaou P., Theodosi C., Baker A.R.: Simulations of historical and projected human driven changes in soluble nutrient deposition fluxes, Nutrient Cycling in the Ancient & Modern Environments - Conference 2015, University of Leeds, 5-7 July 2015. (oral)
- 186.** Fanourgakis G.S., Myriokefalitakis S., Kanakidou M., Study of the CCN formation as a function of aerosol components, presented at the EGU AS4.5 April 2016.
- 187.** Papadimas C., Hatzianastassiou N., Mihalopoulos N., Kanakidou M, Impact of intensive dust outbreaks on marine primary production as seen by satellites, presented at the EGU AS4.6 April 2016.
- 188.** Myriokefalitakis S., Nenes A. and Kanakidou M., Human-driven changes in dissolved phosphorus deposition to the ocean, presented at the EGU AS4.6 April 2016.
- 189.** Myriokefalitakis S., Fanourgakis G.S., Kanakidou M., The contribution of bioaerosols to the organic carbon mass of the atmosphere, presented at the EGU AS4.5 April 2016.
- 190.** Christodoulaki S., Petihakis G., Mihalopoulos N., Tsiaras K., Triantafyllou G., Kanakidou M., Human - driven atmospheric deposition of N & P controls on the East Mediterranean marine ecosystem, presented at the EGU AS4.6 April 2016
- 191.** Tzitzikalaki E., et al. Observations of alkylamines at a costal site in the East Mediterranean, to be presented at the EGU AS4.5 April 2016.
- 192.** Kanakidou M., S. Myriokefalitakis, N. Daskalakis, G. Fanourgakis, Global modeling of atmospheric deposition of N, P and Fe with TM4-ECPL, 24th International TM5 meeting (27-28 June 2016), JRC, Ispra

- 193.** Chara Almpani, Arnaldo Negron, Maria Kanakidou, Nikolaos Mihalopoulos, Athanasios Nenes, Bioaerosols in the Eastern Mediterranean: abundance, speciation, seasonality, impact on nutrient cycles and role of air mass and meteorology, Geophysical Research Abstracts, Vol. 19, EGU2017-13983, 2017
- 194.** Maria Kanakidou, Stelios Myriokefalitakis, Nikos Daskalakis, Nikolaos Mihalopoulos Athanasios Nenes, Impact of biomass burning on nutrient deposition to the global ocean, EGU 2017
- 195.** Fanourgakis G. Myriokefalitakis S., Kanakidou M., et al., Evaluation and intercomparison of the aerosol number concentrations and CCNs in global models, Geophysical Research Abstracts Vol. 19, EGU2017-13014, 2017
- 196.** Alvarado, L. M. A., Richter, A., Hilboll, A., Vrekoussis, A., Burrows, J.P., Myriokefalitakis, S., Kanakidou, M., New glyoxal and formaldehyde products from multiple satellite instruments, 8th International DOAS Workshop, Yokohama, Japan, September 2017
- 197.** Kostas Tsigaridis and Maria Kanakidou, The present and future of secondary organic aerosol direct forcing on climate, EGU 2018, Geophysical Research Abstracts, Vol. 20, EGU2018-5599, 2018
- 198.** Kanakidou Myriokefalitakis & Tsigaridis Aerosols, multiphase chemistry and biogeochemical cycles, EGU 2018- Geophysical Research Abstracts, Vol. 20, EGU2018-11743, 2018
- 199.** Stelios Myriokefalitakis, Matthias Gröger, Maria Kanakidou, Maarten Krol, Twan P.C. van Noije, and Philippe Le Sager, An updated estimate of the impact of nutrient deposition to the global ocean using EC-Earth, EGU 2018 Geophysical Research Abstracts, Vol. 20, EGU2018-10261, 2018
- 200.** Fanourgakis G., Nenes A., Kanakidou M, and the BACCHUS and AEROCOM CCN modeling group, Robustness of global CCN simulations and implication for droplet formation: A BACCHUS and AEROCOM intercomparison, EGU 2018, Geophysical Research Abstracts, Vol. 20, EGU2018-13927, 2018 (oral)
- 201.** Ito A., S Myriokefalitakis, M.Kanakidou, N Mahowald, R. Scanza, A. Baker, T. Jickells, M. Sarin, S. Bikkina, Y. Gao, R. Shelley, C. Buck, W. Landing, A. Bowie, M. Perron, N. Meskhidz, M. Johnson, Y. Feng, R. Duce., The GESAMP global model intercomparison: Evaluation of labile iron in aerosols Geophysical Research Abstracts Vol. 20, EGU2018-2243, 2018, EGU General Assembly 2018
- 202.** Ito et al., GESAMP iron global modelling studies, Goldschmidt 2018
- 203.** Fanourgakis G, Kalyvitis N., A. Nenes, M. Kanakidou On the importance of organic mass for global cloud condensation nuclei distributions, 36th International Technical Meeting on Air Pollution Modeling, Ottawa, Canada, May 2018. (oral)
- 204.** Amanatidis G., Manourgakis G., Nenes A., Kanakidou M., Sensitivity of atmospheric composition mesoscale simulations in the Mediterranean to the meteorological data and chemical boundary conditions, 36th International Technical Meeting on Air Pollution Modeling, Ottawa, Canada, May 2018.

- 205.** Kanakidou M., Myriokefalitakis S., Fanourgakis G., Chatziparaschos M, Tsigaridis, K., Nenes A., Organic aerosols and their impact on biogeochemical cycles and climate 14th iCACGP and 15th IGAC Quadrennial symposium, Takamatsu, Japan, 25-29 September, 2018