

# **CURRICULUM VITAE**

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**A T H E N S 2013**

# CONTENTS

A. GENERAL INFORMATION .....	3
A1. Personal.....	3
A2. Education.....	4
A3. Professional Occupation .....	4
A4. Duties and Positions of Responsibility .....	5
A5. Scholarships – Distinctions – Awards .....	5
B. RESEARCH – EDUCATIONAL ACTIVITIES .....	7
B1. Research Fields of Interest.....	7
B2. Experimental Experience - Skills .....	7
B3. Research Projects – Role.....	8
B4. Participation in Conferences.....	11
B5. Long-term Co-operation with Other Research Organizations.....	13
B6. Educational experience – Seminars – Other.....	13
B7. Participation in Evaluation Committees.....	14
B8. Participation in Scientific Unions .....	14
C. SCIENTIFIC RECORDS – PUBLICATIONS.....	15
C1. PhD Thesis – Monographies.....	15
C2. Publications in Peer Reviewed Journals .....	15
C3. Publications in International Conferences – Symposia (publications in proceedings, posters, talks). 19	
C4. Technical/Scientif Reports - Books.....	27
D. RECOGNITION OF SCIENTIFIC & RESEARCH WORK .....	28
D1. Citations, Impact Factors και h-index.....	28
D2. Invitations – Representative .....	29
D3. Member in Editorial Boards of International Scientific Journals .....	29
D4. Reviewer in Scientific Journals.....	29

# CURRICULUM VITAE



**Dr. Evangelos Gerasopoulos**  
**Research Director**  
**Institute for Environmental Research and Sustainable**  
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**National Observatory of Athens**

## A. GENERAL INFORMATION

### A1. Personal

Birth date:	April 11, 1974
Birth place:	Thessaloniki, Greece
Work address:	Institute of Environmental Research and Sustainable Development, National Observatory of Athens, I. Metaxa & V. Pavlou, P. Penteli (Lofos Koufou), 15236 Athens, Greece  tel: +30 210 8109124 fax: +30 210 8103236
E-mail:	<a href="mailto:egera@meteo.noa.gr">egera@meteo.noa.gr</a>
Web-site:	<a href="http://apcg.meteo.noa.gr">apcg.meteo.noa.gr</a>
Marital status:	Married, 2 children

## A2. Education

<b>1999 – 2003</b>	<b>Ph.D. in Physics</b> , Aristotle University of Thessaloniki, Department of Physics, Greece
<b>1996 – 1998</b>	<b>M.Sc. in Atmospheric Physics</b> , Aristotle University of Thessaloniki, Greece (9.44/10)
<b>1992 – 1996</b>	<b>Degree in Physics</b> , Aristotle University of Thessaloniki, Greece (8.70/10)

<i>Languages</i>	English (fluently) German (basic) French (basic)
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## A3. Professional Occupation

<b>2011 –</b>	Research Director at the Institute of Environmental Research and Sustainable Development, National Observatory of Athens, in the field of " <i>Physics of the Atmospheric Environment</i> "
<b>2006 – 2011</b>	Senior Researcher at the Institute of Environmental Research and Sustainable Development, National Observatory of Athens, in the field of " <i>Physics of the Atmospheric Environment</i> "
<b>2004 – 2006</b>	Research fellow (post doctorate) in the field of " <i>Tropospheric Ozone - Optical Properties of Atmospheric Aerosols</i> " at the Environmental Chemical Processes Laboratory, Chemistry Department, University of Crete, Heraklion, Greece
<b>2003 – 2004</b>	Military Service (Ordnance Corps)
<b>2001 – 2002</b>	Research fellow in the field of " <i>Optical Properties of Atmospheric Aerosols</i> " at Max-Planck Institute, Biogeochemistry Department, Mainz, Germany.
<b>1996 – 2001</b>	Research fellow (PhD student) in the field of " <i>Atmospheric Physics</i> " at the Laboratory of Atmospheric Physics, and in the field of " <i>Environmental Radioactivity</i> " at the Nuclear Physics Laboratory, Physics Department, Aristotle University of Thessaloniki.

#### A4. Duties and Positions of Responsibility

1. Head and Quality Assurance Manager of the Laboratory of Atmospheric Chemistry (Institute for Environmental Research and Sustainable Development, National Observatory of Athens), accredited by the Hellenic Accreditation System S.A. for air quality measurements and chemical analyses since March 2010, according to ELOT EN ISO/IEC 17025 (2007 - today)
2. Head of the Secretariat and Public Relations Office of the Institute for Environmental Research and Sustainable Development (2013 - today)
3. Vice-president of the Scientific Advisory Board of the Institute for Environmental Research and Sustainable Development (2012 - today)
4. President of the National Observatory of Athens Researchers Association (2013 - today)
5. Member of the Steering Committee of Navarino Environmental Observatory at Costa Navarino, Messinia-Greece, a collaboration between the Stockholm University, the Atmospheric Environment Division of the Biomedical Research Foundation of the Academy of Athens and T.E.MES A.S. (2010 - today)
6. Principle Investigator on behalf of the Institute for Environmental Research and Sustainable Development in the European Network ACTRIS (Aerosols, Clouds, and Trace gases Research Infrastructure Network) (<http://www.actris.net/Project/AssociatedPartners/tabid/4630/language/en-GB/Default.aspx>). Founder and responsible for the Penteli Aerosol Station operating in Athens since March 2008, for the study of physical and chemical properties of aerosols (2012 - today)

#### A5. Scholarships – Distinctions – Awards

<i>Period</i>	<i>Organization</i>	<i>Scholarship – Distinction – Award</i>
<b>2011 –</b>	ACP/Copernicus/EGU	Editor in Atmospheric Chemistry and Physics, EGU-Copernicus Pubs (IF: 5.5)
<b>2010 –</b>	Academy of Athens	Member of the Steering Committee of the Navarino Environmental Observatory, on behalf of the Academy of Athens
<b>2008</b>	Dion Municipality	Award of Eminent Citizen of Dion Municipality for his contribution on the environmental activities of the municipality
<b>2005-2006</b>	GSSF	Scholarship for post-doctoral research from the Greek State Scholarship Foundation
<b>1999-2002</b>	GSSF	First award in Radiation Physics (financial support) from the 32nd Program of the Greek State Scholarship Foundation

<b>1999</b>	Bodosakis Foundation	Scholarship for post-doctoral research by the Bodosakis Foundation 1998-1999 (*)
<b>1997</b>	GSSF	Scholarship for the first year of M.Sc. from the Greek State Scholarship Foundation
<b>1994 – 1995</b>	AUTH Endowment Service	N. Avramides Endowment, Legacy Department, Property and Commissions Section, Aristotle University of Thessaloniki
<b>1993 – 1996</b>	GSSF	Scholarship for the first three years of undergraduate studies from the Greek State Scholarship Foundation

(\*) Not used due to parallel success in GSSF

## **B. RESEARCH – EDUCATIONAL ACTIVITIES**

### **B1. Research Fields of Interest**

1. Aerosol research with emphasis on the physical, optical and chemical properties of aerosols, and investigation of their climatic role and impacts on health and ecosystems
2. Air quality: atmospheric gases and trace gases observations in the atmosphere with emphasis on tropospheric ozone & ozone precursors, source-sinks/ photochemistry/ transport/ meteorology, Stratosphere-to-Troposphere Exchange
3. Production, source-sinks and transport processes of gases and aerosols in the Eastern Mediterranean
4. Climate change and synergistic interaction between different geophysical phenomena

### **B2. Experimental Experience - Skills**

1. In-situ measurements of aerosol properties: (a) sampling of atmospheric aerosols and chemical analysis, (b) mass and number size distributions (impactors, SMPS, APS), ( $\gamma$ ) measurement of aerosol optical properties – light scattering and absorption (nephelometer, aethalometer)
2. Gas measurements with conventional analyzers ( $O_3$ , NO,  $NO_2$ ,  $NO_x$ , CO e.t.c.)
3. Passive remote sensing measurements in the atmosphere and analyses for optical depth in the visible with (a) Multi-filter Rotational Shadowband (MFR), (b) CIMEL sunphotometer
4. Organizer of the ARGON campaign (*Aerosol and TRace Gases Observational Campaign at NEO*) at the Navarino Environmental Observatory, with the participation of groups from the National Observatory of Athens, the Academy of Athens, the Stockholm University, the National Technical University of Athens and the University of Crete (summer 2012)
5. Member of the Organizing Committee of the international experiment for the March 2006 total solar eclipse at Kastelorizo, participating several groups from Universities and Research Centers from Greece and abroad. Co-ordinator of the research results publication in a special issue in *Atmospheric Chemistry and Physics*, first author of the overview paper ([http://www.atmos-chem-phys.net/special\\_issue87.html](http://www.atmos-chem-phys.net/special_issue87.html))
6. Operation of part of the "Finokalia" EUSAAR-ACTRIS super site at Lasithi/Crete (2005-2006)
7. Experience in techniques and methods of statistical analysis with emphasis in time series analyses – Programming (C++, Visual Basic) – Mathematical and statistical analyses software (Mathematica, Statistica).

### B3. Research Projects – Role

	<b>Project title</b>	<b>Funding source</b>	<b>Duration</b>	<b>Role/budget</b>
1	A multi-disciplinary global approach of groundwater flows in karstic areas and its consequences for water resources and environmental studies. CHRX-CT94-0567	Commission of the European Communities (Human Capital and Mobility)	1995-1997	Researcher
2	Assessment of capacity of soil gas radon in various fault zones for prediction of earthquake occurrence. IC15-CT96-0214	Commission of the European Communities	1998-2001	Researcher
3	Influence of <u>S</u> tratosphere- <u>T</u> roposphere Exchange in a <u>C</u> hanging <u>C</u> limate on <u>A</u> tmospheric Transport and <u>O</u> xidation Capacity STACCATO. EVK2-1999-00316	Commission of the European Communities	2000-2001	Researcher
4	Liquid hydrogen fuelled aircraft - system analysis (CRYOPLANE)	European Commission – Research Directorate – General	2000-2002	Researcher
5	"EARLINET" European aerosol research lidar network to establish an aerosol climatology	European Commission – Research Directorate – General	2002	Researcher
6	Particles of human origin extinguishing natural solar irradiance in climate Systems, PHOENICS	European Commission	2002-2004	Researcher
7	Construction, use and delivery of a European Aerosol Database, CREATE	European Commission	2004-2005	Researcher
8	Characterization of the physical and chemical parameters that control the climatic role of aerosols in the atmosphere over Eastern Mediterranean	EC and National Resources cofund, PYTHAGORAS I - EPAEK II	2004-2006	Principal Post-doc Researcher



9	Use of 3-D models for the study of the relative contribution of natural variability and anthropogenic factors on the levels and climatic role of aerosols and ozone in the E. Mediterranean	EC and National Resources cofund, PYTHAGORAS I - EPAEK II	2006	Researcher
10	CIRCE, Climate Change and Impact Research: the Mediterranean Environment	FP6 PRIORITY 1.1.6.3, Global Change And Ecosystem	2007-2012	Researcher
11	ACL/NOA - Upgrade of the Atmospheric Chemistry Laboratory of the National Observatory of Athens for the provision of chemical analyses and air pollutants measurement services, with emphasis on hazardous for public health chemical compounds (I)	3rd Community Support Framework, Operational Programme "Competitiveness" , Greek Ministry of Development	2007-2011	<b>Principal Investigator for NOA,</b> <b>NOA budget 312.9 k€</b>
12	CITYZEN, megaCITY - Zoom for the ENvironment	FP7 - Collaborative Project, Small or medium-scale focused research project, ENV.2007.1.1.2.1. Megacities and regional hot-spots air quality and climate	2009-2011	<b>Principal Investigator for NOA,</b> <b>NOA budget 100 k€</b>
13	AMFIC – Air Quality Monitoring and Forecasting in China	Space FP6 EU	2006-2009	Researcher
14	Intelligent urban mobility management and traffic control system for the improvement of the urban environment quality in the central area of Thessaloniki's agglomeration	Funding Mechanism, European Economic Area (FM-EEA) Grants, 2004-2009		Researcher
15	THERMOPOLIS 2009	European Space Agency	2009-2010	Researcher
16	XENIOS - Climate change impacts on the touristic development of sensitive	Co-operation, Strategic Reference Framework (NSRF)	2011-2013	<b>Principal Investigator for NOA,</b>

	areas in the Greek territory. Case study: Messinia – Integrated Tourism Development Areas	2007-2013, Hellenic Ministry of Economy, Competitiveness and Shipping		<b>NOA budget</b> <b>183.6 k€</b>
17	GNSE - Greek Network of Solar Energy	Co-operation, Strategic Reference Framework (NSRF) 2007-2013, Hellenic Ministry of Economy, Competitiveness and Shipping	2011-2013	Researcher
18	Investigation of relations between chemical and optical properties of aerosols in the Greater Athens area	OP "Education and longlife learning Heraclitus II" , Ministry of Education, Longlife Learning and Religious Affairs	2009-2013	Co-supervisor of the PhD
19	Study of tropospheric aerosols using in-situ and satellite techniques, measurements and statistical analyses	OP "Education and longlife learning Heraclitus II" , Ministry of Education, Longlife Learning and Religious Affairs	2009-2013	Researcher
20	"NEO" Navarino Environmental Observatory	Private funds (TEMES S.A.)	2010-2014	Member of Steering Committee,  Principal Investigator for the atmospheric station
21	"ACEMED" Evaluation of CALIPSO's aerosol classification scheme over Eastern Mediterranean	Transnational Access Project, European Fleet for Airborne Research (EUFAR)	2011-2012	Researcher
22	LIVAS - Lidar Climatology of Vertical Aerosol Structure for Space-Based Lidar Simulation Studies	European Space Agency	2011-2013	Researcher
23	ACTRIS - Aerosol, Clouds, and Trace gases Research Infrastructure Network	European Commission	2011–2016	<b>Contact person for IERSD/NOA</b>
24	Determination of the sources	OP "Thales",	2012-2015	Researcher

	and the physico-chemical properties of fine and ultrafine particles that affect the regional climate of Greece	Ministry of Education, Longlife Learning and Religious Affairs		
25	ACL/NOA - Upgrade of the Atmospheric Chemistry Laboratory of the National Observatory of Athens for the provision of chemical analyses and air pollutants measurement services, with emphasis on hazardous for public health chemical compounds (II)	GSRT	2012-2013	<b>Principal Investigator for NOA,</b>  <b>NOA budget 58 k€</b>
26	THESPIA: Development of synergistic and integrated methodologies and tools for the observation, managements and forecast of environmental parameters and pressures	KRIPIS: National Strategic Reference Framework NSRF 2007 - 2013, GSRT	2013–2015	WP leader, Researcher
27	BEYOND - Building Capacity for a Centre of Excellence for EO-based monitoring of Natural Disasters	RegPot, European Commission	2013–2016	Researcher

#### **B4. Participation in Conferences**

1. European conference – Advances in nuclear physics and related areas, Thessaloniki, Greece, 8-12 July **1997**.
2. Seventh International Symposium - Natural Radiation Environment (NRE-VII), Rhodes, Greece, 20-24 May **2002**.
3. Joint Scientific Conference of the International Global Atmospheric Chemistry Project (IGAC) - Commission for Atmospheric Chemistry and Global Pollution (CACGP), biennial **Crete 2002, Cape Town 2006**.
4. 9<sup>th</sup> International Conference on Environmental Science and Technology, Global Network for Environmental Science and Technology Global Nest, Rhodes Island, Greece, 1-3 September **2005**.
5. Atmospheric Composition Change the European Network of Excellence ACCENT Symposium, Urbino, Italy, biennial **2005, 2007**.
6. The Integrated Global Atmospheric Chemistry Observations Theme IGACO-Ozone and UV implementation workshop, Anavyssos, Greece, 15-17 May **2006**.
7. European Polar Consortium, European Science Foundation, Workshop on the role of Polar Regions on Global Climate Change, Sofia, Bulgaria, 1-4 July **2007 (invited)**.

8. IX EMTE National-International Conference of Meteorology-Climatology and Atmospheric Physics, Thessaloniki, Greece, 28-31 May **2008**.
9. European Aerosol Conference, biennial **Thessaloniki 2008, Prague 2013**.
10. European Geophysical Union, biennial **Vienna 2013**.
11. European Academies Science Advisory Council (EASAC), Scoping Workshop on Biofuels, Royal Netherlands Academy of Arts and Sciences (KNAW), Amsterdam, Netherlands, 27 March **2008 (invited)**.
12. First International Conference: From Deserts to Monsoons, Aldemar Knossos Royal Village, Crete, Greece June 1-6, **2008 (invited)**.
13. 7th International Conference on Air Quality - Science and Application (Air Quality 2009), Istanbul, 24-27 March **2009**.
14. Organizer, in co-operation with the Maria Tsakos International Centre for Maritime Research and Tradition, of the workshop entitled «Colloquium: “Perspective of Greek Scientists in Polar Research”», officially inviting the Executive Manager of EPB/ESF Dr. Paul Egerton, Auditorium of “Megaron Macedonia” Athens, 24 November 2009
15. International Conference on Meteorology, Climatology and Atmospheric Physics, COMECAP **Patras 2010 – session chairman, Athens 2012 – scientific committee - chairman, Heraklion 2014– scientific committee**.
16. Mediterranean City 2014: Adaptation Strategies to Global Environmental Change in the Mediterranean City and the Role of Global Earth Observations, under the auspices of the Greek EU Presidency and GEO, **Athens 2014 – organizing and scientific committee**.

## **B5. Long-term Co-operation with Other Research Organizations**

1. Max Planck Institute, Biogeochemistry Dept., Mainz, Germany
2. University of Bremen, Institute of Environmental Physics and Remote Sensing, Bremen, Germany
3. Cyprus Institute, Atmospheric and Climate Modeling Group, Nikosia, Cyprus
4. Middle East Technical University, Institute of Marine Sciences, Erdemli, Turkey
5. Leibniz Institute for Tropospheric Research, Department of Physics, Section of Tropospheric Aerosols, Leipzig, Germany
6. CICERO Center for Climate Forcing, Oslo, Norway
7. Stockholm University, Dept. of Applied Environmental Science, Stockholm, Sweden
8. Bert Bolin Centre for Climate Research, Stockholm, Sweden
9. University of Athens, Dept. of Geology and Geoenvironment, Laboratory of Climatology & Atmospheric Environment, Athens, Greece
10. University of Athens, Dept. of Physics, Atmospheric Modeling and Weather Forecasting Group, Athens, Greece
11. University of Crete, Dept. of Chemistry, Environmental Chemical Processes Laboratory, Heraklion, Greece
12. University of Ioannina, Physics Dept., Laboratory of Meteorology, Ioannina, Greece
13. Aristotle University of Thessaloniki, Dept. of Physics, Laboratory of Atmospheric Physics, Thessaloniki, Greece
14. Aristotle University of Thessaloniki, Group of Environmental Radioactivity, Thessaloniki, Greece
15. University of Patras, Dept. of Physics, Laboratory of Atmospheric Physics, Patras, Greece
16. Demokritos, Environmental Radioactivity Laboratory (ERL), Athens, Greece

## **B6. Educational experience – Seminars – Other**

1. 1999-2003: Teaching within the frame of the Atomic and Nuclear Physics Laboratory, Physics Department, Aristotle University of Thessaloniki
2. November 2004: Seminars within the frame of the Environmental Chemistry Post Graduate Programme, Chemistry Department, University of Crete, in the field of “Climatology of aerosols in the Eastern Mediterranean”
3. 2006-2007: Teaching within the frame of the course entitled "Basics in Atmospheric Physics", Department of Geology and Geoenvironment, National Kapodistrian University of Athens
4. Seminar in the workshop organized by the National Centre for Public Administration and Local Government and UNESCO Chair for Natural Disasters, Evaluation and Adaptation Strategies for Natural Disasters, 21-23 November 2007, Ledra Marriott, Athens, seminar title “Climatic Impacts of Aerosols and GHGs”
5. Invited talk in "Smog pollution. The chronicle of untargeted choices: mistakes, consequences, solutions ", title "Specialized measurements of gaseous and particulate pollutants in Athens and 4 Greek cities during winter 2012-2013", round table "Measures, suggestions and strategies for encountering the problem – citizens seeking for answers ", Technical Chamber of Greece, 27 March 2013

## **B7. Participation in Evaluation Committees**

Member in Evaluation Committees of Professors-Researchers:

1. Prodromos Zanis (Geology Dept., AUTH – Deputy member of the Special Seven-member Evaluation Committee, 2013)
2. Kazantzidis Andreas (Physics Dept., University of Patras – External Evaluator, 2013)
3. Tourpali Kleareti (Physics Dept., AUTH – Member of the Special Seven-member Evaluation Committee, 2013)
4. Chrysoulakis Nektarios (IACM/FORTH – Deputy member of the Special Evaluation Committee, 2013)

Member of the Supervising Committee of PhDs:

1. Paraskevopoulou Despina, Chemistry Dept., University of Crete, supervisor Prof. Nikolaos Mihalopoulos

Member of the Evaluation Committee of PhDs:

1. Dermitzaki Irimi, Chemistry Dept., University of Crete, supervisor Prof. Maria Kanakidou
2. Sfakianaki Maria, Chemistry Dept., University of Crete, supervisor Prof. Maria Kanakidou
3. Kalivitis Nikolaos, Chemistry Dept., University of Crete, supervisor Prof. Maria Kanakidou
4. Mamouri Elissavet, National Technical University of Athens, supervisor Prof. Alexandros Papagiannis

## **B8. Participation in Scientific Unions**

1. Hellenic Association of Aerosol Research
2. American Geophysical Union
3. European Geophysical Union

## C. SCIENTIFIC RECORDS – PUBLICATIONS

### C1. PhD Thesis – Monographies

1. PhD Thesis title “Study of stratospheric air fluxes into the troposphere with the use of  $^7\text{Be}$  and  $\text{O}_3$ ”, 2003

### C2. Publications in Peer Reviewed Journals

1. Papastefanou C., Manolopoulou M., Stoulos S., Ioannidou A. and Gerasopoulos E., (1998). Transfer of Cesium-137 from soil to plants in Greece. *Radiat. Prot. Manag.* 15(1), 41-44.
2. Papastefanou C., Manolopoulou M., Stoulos S., Ioannidou A., and Gerasopoulos E., (1999). Background radiation measurements in the Lower Atmosphere before and after Chernobyl. *J. Environ. Radioactivity.* 42(1), 87-92.
3. Papastefanou C., Manolopoulou M., Stoulos S., Ioannidou A., and Gerasopoulos E., (1999). Soil-to-plant transfer of  $^{137}\text{Cs}$ ,  $^{40}\text{K}$  and  $^7\text{Be}$ . *J. Environ. Radioactivity.* 45(1), 59-65.
4. Papastefanou C., Manolopoulou M., Stoulos S., Ioannidou A., and Gerasopoulos E., (1999). Radon Measurements in Association with Earthquakes. *Il Nuovo Cimento.* Vol. 22C, N. 3-4.
5. Papastefanou C., Manolopoulou M., Stoulos S., Ioannidou A., and Gerasopoulos E., (2000). Characterization of a karstic system by examining the occurrence of radioactive nuclides and trace elements. *Nuovo Cimento C*, 23, 411-422.
6. Papastefanou C., Manolopoulou M., Stoulos S., Ioannidou A., and Gerasopoulos E., (2001). Coloured rain dust from Sahara Desert is still radioactive. *J. Environ. Radioactivity*, 55, 109-112.
7. Zanis P., Zerefos C.S., Gilge S., Melas D., Balis D., Ziomas I., Gerasopoulos E., Tzoumaka P., Kaminski U., and Fricke W., (2001). Comparison of measured and modelled ozone and nitrogen oxide concentrations at two different sites in Europe during the solar eclipse on August 11, 1999, *Atmospheric Environment*, 35 (27), 4663-4673.
8. Gerasopoulos E., Zanis P., Stohl A., Zerefos C.S., Papastefanou C., Ringer W., Tobler L., Hübener S., Gäggeler H.W., Kanter H.J., Tositti L., and Sandrini S., (2001). A climatology of  $^7\text{Be}$  at four high-altitude stations at the Alps and the Northern Apennines, *Atmospheric Environment*, 35 (36), 6347-6360.
9. Papastefanou C., Manolopoulou M., Stoulos S., Ioannidou A., and Gerasopoulos E., (2001). Radon measurements along active faults in the Langadas Basin, northern Greece, *Natural Hazards and Earth System Sciences*, 1, 159-164.
10. Kouvarakis G., Vrekousis M., Mihalopoulos N., Kourtidis K., Rappengluck B., Gerasopoulos E. and Zerefos C.S., (2002). Spatial and temporal variability of tropospheric ozone ( $\text{O}_3$ ) in the boundary layer above the Aegean Sea (Eastern Mediterranean), *J. Geophys. Res.-Atmospheres*, 107 (0), 8141, doi: 10.1029/2000JD000081.
11. Galani E., Balis D., Zanis P., Zerefos C.S., Papayannis A., Wernli H., and Gerasopoulos E., (2003). Observations of Stratosphere-Troposphere Exchange events over eastern Mediterranean using a ground-based lidar system, *J. Geophys. Res.*, 108(D12), 8527, doi: 10.1029/2002JD002596.
12. Zanis, P., Gerasopoulos E., Zerefos C.S., Priller A., Schnabel C., Scheel H.E., Kanter H.J., Gäggeler H., Tobler L., Berger M., and Kubik P., (2003). An estimate of the impact of stratosphere-to-troposphere transport (STT) on the lower free tropospheric ozone over the Alps

- using Be-10 and Be-7 measurements, *J. Geophys. Res.*, 108(D12), 8520, doi: 10.1029/2002JD002604.
13. Stohl A., Bonasoni P., Cristofanelli P., Collins W., Feichter J., Frank A., Forster C., Gerasopoulos E., Gäggeler H., James P., Kentarchos T., Kreipl S., Kromp-Kolb H., Krüger B., Land C., Meloan J., Papayannis A., Priller A., Seibert P., Sprenger M., Roelofs G.J., Scheel E., Schnabel C., Siegmund P., Tobler L., Trickl T., Wernli H., Wirth V., Zanis P., and Zerefos C., (2003). Stratosphere-troposphere exchange – a review, and what we have learned from STACCATO, *J. Geophys. Res.*, 108(D12), 8516, doi: 10.1029/2002JD002490.
  14. Gerasopoulos E., Zerefos C.S., Papastefanou C., Zanis P., and K.O'Brien, (2003). Low frequency variability of Beryllium-7 surface concentrations over Eastern Mediterranean, *Atmospheric Environment*, 37 (13), 1745-1756.
  15. Guyon, P., Graham B., Beck J., Boucher O., Gerasopoulos E., Mayol-Bracero O.L., Roberts G. C., Artaxo P., and Andreae M.O., (2003). Physical properties and concentration of aerosol particles over the Amazon tropical forest during background and biomass burning conditions, *Atmospheric Chemistry and Physics*, 3, 951-967.
  16. Zanis P., Trickl T., Stohl A., Wernli H., Cooper O., Zerefos C., Gäggeler H., Priller A., Schnabel C., Scheel H.E., Kanter H.J., Tobler L., Kubik P., Cristofanelli P., Forster C., James P., Gerasopoulos E., Delclos A., Papayannis A., and Claude H., (2003). Forecast, observation and modelling of a deep stratospheric intrusion event over Europe, *Atmospheric Chemistry and Physics*, 3, 763-777.
  17. Gerasopoulos E., Andreae M.O., Zerefos C.S., Andreae T.W., Balis D., Formenti P., Merlet P., Amiridis V., and Papastefanou C., (2003). Climatological aspects of aerosol optical properties in Northern Greece, *Atmospheric Chemistry and Physics*, 3, 2025-2041.
  18. Balis D.S., Amiridis V., Zerefos C., Gerasopoulos E., Andreae M.O., Zanis P., Kazantzidis A., Kazadzis S., and Papayannis A., (2003). Raman lidar and sunphotometric measurements of aerosol optical properties during a biomass burning episode over Thessaloniki, Greece, *Atmospheric Environment*, 37, 4529-4538.
  19. Papastefanou C., Manolopoulou M., Stoulos S., Ioannidou A. and Gerasopoulos E., (2003). Radon concentrations and absorbed dose measurements in a Pleistocenic cave. *Journal of Radionalytical and Nuclear Chemistry*. 258(1), 205-208.
  20. Balis D.S., Amiridis V., Zerefos C., Kazantzidis A., Kazadzis S., Bais A.F., Meleti C., Gerasopoulos E., Papayannis A., Matthias V., Dier H., and Andreae M.O., (2004). Study of the effect of different type of aerosols on UV-B radiation from measurements during EARLINET, *Atmos. Chem. Phys.*, 4, 307-321.
  21. Priller A., Berger M., Gäggeler H.W., Gerasopoulos E., Kubik P.W., Schnabel C., Tobler L., Wild E.M., Zanis P., and Zerefos C., (2004). Accelerator Mass Spectrometry of particle bound <sup>10</sup>Be, *Nucl. Instrum. Meth. B*, 223-24: 601-607.
  22. Kazadzis S., Bais A., Kouremeti N., Gerasopoulos E., Garane K., Blumthaler M., Schallhart B., and Cede A., (2005). Direct spectral measurements with a Brewer spectroradiometer: absolute calibration and aerosol optical depth retrieval, *Applied Optics*, 44(9), 1681-1690.
  23. Papastefanou C., Manolopoulou M., Stoulos S., Ioannidou A., and Gerasopoulos E., (2005). Cesium-137 in air late after the Chernobyl reactor accident, *Journal of Radionalytical and Nuclear Chemistry*, 264(3), 699-700.
  24. Papastefanou C., Manolopoulou M., Stoulos S., Ioannidou A., and Gerasopoulos E., (2005). Elevated radon concentrations in a Pleistocenic cave operating as a show cave. *International Congress Series*, 1276, 204-205.
  25. Gerasopoulos E., Kouvarakis G., Vrekoussis M., Kanakidou M., and Mihalopoulos N., (2005). 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.



26. Papastefanou C., Manolopoulou M., Stoulos S., Ioannidou A., and Gerasopoulos E., (2005). Cesium-137 in grass from Chernobyl fallout, *J. Environ. Radioactivity*, 83, 253-257.
27. Papastefanou C., Manolopoulou M., Stoulos S., Ioannidou A., and Gerasopoulos E., (2005). Similarities and differences in behavior of  $^{137}\text{Cs}$ ,  $^{40}\text{K}$  and  $^7\text{Be}$  in natural ecosystems, *Equidosimetry*, 83, 313-319.
28. Gerasopoulos E., Kouvarakis G., Vrekoussis M., C. Donoussis, Kanakidou M., and Mihalopoulos N., (2006). Photochemical ozone production in the Eastern Mediterranean, *Atmospheric Environment*, 40, 3057-3069, doi:10.1016/j.atmosenv.2005.12.061
29. Gerasopoulos E., Zanis P., Papastefanou C., Zerefos C.S., Ioannidou, A., and Wernli, H., (2006). A complex case study of a down to the surface intrusion of persistent stratospheric air over the Eastern Mediterranean, *Atmospheric Environment*, 40, 4113-4125, doi:10.1016/j.atmosenv.2006.03.022.
30. Gerasopoulos E., Kouvarakis G., Babasakalis P., Vrekoussis M., Putaud J.P. and Mihalopoulos N., (2006). Origin and variability of particulate matter ( $\text{PM}_{10}$ ) mass concentrations over the eastern Mediterranean, *Atmospheric Environment*, 40, 4679-4690, doi:10.1016/j.atmosenv.2006.04.020.
31. Fotiadi A., Hatzianastassiou N., Drakakis E., Matsoukas C., Pavlakis K.G., Hatzidimitriou D., Gerasopoulos E., Mihalopoulos N., and Vardavas I., (2006). Aerosol Physical and Optical properties in the eastern Mediterranean Basin, Crete, from Aerosol Robotic Network Data, *Atmos. Chem. Phys.*, 6, 5399-5413.
32. Kalivitis N., Gerasopoulos E., Vrekoussis M., Kouvarakis G., Kubilay N., Hatzianastassiou N., Vardavas I., Mihalopoulos N., (2007). Dust transport over the eastern Mediterranean derived from Total Ozone Mapping Spectrometer, Aerosol Robotic Network, and surface measurements, *J. Geophys. Res.*, 112, D03202, doi:10.1029/2006JD007510.
33. Vrekoussis M., Mihalopoulos N., Gerasopoulos E., Kanakidou M., P.J. Crutzen, and J. Lelieveld, (2007). Two-years of  $\text{NO}_3$  radical observations in the boundary layer over the Eastern Mediterranean, *Atmos. Chem. Phys.*, 7, 315-327.
34. Gerasopoulos E., Koulouri E., Kalivitis N., Kouvarakis G., Saarikoski S., Mäkelä T., Hillamo R., Mihalopoulos N., (2007). Size-segregated mass distributions of aerosols over Eastern Mediterranean: Seasonal variability and comparison with AERONET columnar size-distributions, *Atmos. Chem. Phys.*, 7, 2551-2561.
35. Zerefos C. S., Gerasopoulos E., Tsagouri I., Psiloglou B., Belehaki A., Herekakis T., Bais A., Kazadzis S., Eleftheratos C., Kalivitis N., and Mihalopoulos N., (2007). Evidence of gravity waves into the atmosphere during the March 2006 total solar eclipse, *Atmos. Chem. Phys.*, 7, 4943-4951.
36. Founda D., Melas D., Lykoudis S., Lisaridis I., Gerasopoulos E., Kouvarakis G., Petrakis M. and Zerefos C. (2007). The effect of the total solar eclipse of March 29, 2006 on meteorological variables in Greece, *Atmos. Chem. Phys.*, 7, 5543-5553.
37. Zanis P., Katragkou E., Kanakidou M., Psiloglou B. E., Karathanasis S., Vrekoussis M., Gerasopoulos E., Lysaridis I., Markakis K., Poupkou A., Amiridis V., Melas D., Mihalopoulos N., and Zerefos C. (2007). Effects on surface atmospheric photo-oxidants over Greece during the total solar eclipse event of 29 March 2006, *Atmos. Chem. Phys.*, 7, 6061–6073.
38. Amiridis V., Melas D., Balis D. S., Papayannis A., Founda D., Katragkou E., Giannakaki E., Mamouri R. E., Gerasopoulos E., and Zerefos C. (2007). Aerosol lidar observations and model calculations of the planetary boundary layer evolution over Greece, during the March 2006 total solar eclipse, *Atmos. Chem. Phys.*, 7, 6181–6189.
39. Economou G., Christou E. D., Giannakourou A., Gerasopoulos E., Georgopoulos D., Kotoulas V., Lyra D., Tsakalis N., Tziortzou M., Vahamidis P., Papathanassiou E., and Karamanos A.

- (2008). Eclipse effects on field crops and marine zooplankton: The 29 March 2006 Total Solar Eclipse, *Atmos. Chem. Phys.*, 8, 4665-4676.
40. Gerasopoulos E., Zerefos C. S., Tzagouri I., Founda D., Amiridis V., Bais A. F., Belehaki A., Christou E. D., Economou G., Kanakidou M., Karamanos A., Petrakis M., and Zanis P. (2008). The Total Solar Eclipse of March 2006: Overview, *Atmos. Chem. Phys.*, 8(17), 5205-5220.
  41. Koulouri E., Saarikoski S., Theodosi C., Markaki Z., Gerasopoulos E., Kouvarakis G., Mäkelä T., Hillamo R., Mihalopoulos N. (2008). Chemical composition and sources of fine and coarse aerosol particles in the Eastern Mediterranean, *Atmospheric Environment*, 42(26), 6542-6550.
  42. Kalivitis N., Birmili W., Stock M., Wehner B., Massling A., Wiedensohler A., Gerasopoulos E., and Mihalopoulos N. (2008). Particle size distributions in the Eastern Mediterranean troposphere, *Atmos. Chem. Phys.*, 8(22), 6729-6738.
  43. Koulouri E., Grivas G., Gerasopoulos E., Chaloulakou A., Mihalopoulos N., and Spyrellis N. (2008). Study of size-segregated particle (PM1, PM2.5, PM10) concentrations over Greece, *Global Nest Journal*, 10(2), 132-139.
  44. Muller D., B. Heinold, M. Tesche, I. Tegen, D. Althausen, V. Amiridis, A. Amodeo, A. Ansmann, L. Alados-Arboledas, D. Balis, A. Comeron, G. D'Amico, E. Gerasopoulos, J. L. Guerrero-Rascado, V. Freudenthaler, E. Giannakaki, B. Heese, M. Iarlori, R. E. Mamouri, L. Mona, A. Papayannis, G. Pappalardo, R.-M. Perrone, G. Pisani, V. Rizi, M. Sicard, N. Spinelli, and A. Tafuro (2009). EARLINET Observations of the 14–22-May Long-Range Dust Transport Event During SAMUM 2006: Validation of Results From Dust Transport Modelling, *Tellus Series B - Chemical and Physical Meteorology*, 61(1), 325-339.
  45. Poupkou A., Melas D., Ziomas I., Symeonidis P., Lisaridis I., Gerasopoulos E. and Zerefos C. (2009). Simulated summertime regional ground-level ozone concentrations over Greece, *Water Air and Soil Pollution*, 196(1-4), 169-168, DOI 10.1007/s11270-008-9766-0.
  46. Gerasopoulos E., Kokkalis P., Amiridis V., Liakakou E., Perez C., Hausteijn K., Eleftheratos K., Andreae M.O., Andreae T.W. and Zerefos C.S (2009). Dust specific extinction cross sections over the Eastern Mediterranean using the BSC-DREAM model and sun photometer data: the case of urban environments, *Ann. Geophys.*, 27, 2903–2912.
  47. Querol X., Alastuey A., Pey J., Cusack M., Pérez N., Mihalopoulos N., Theodosi C., Gerasopoulos E., Kubilay N., and Koçak M. (2009). Variability in regional background aerosols within the Mediterranean, *Atmos. Chem. Phys.*, 9, 4575-4591.
  48. Amiridis V., Kafatos M., Perez C., Kazadzis S., Gerasopoulos E., Mamouri R.E., Papayannis A., Kokkalis P., Giannakaki E., Basart S., Daglis I. and Zerefos C. (2009). The potential of the synergistic use of passive and active re-mote sensing measurements for the validation of a regional dust model, *Ann. Geophys.*, 27, 3155-3164.
  49. Amiridis V., Giannakaki E., Balis D. S., Gerasopoulos E., Pytharoulis I., Zanis P., Kazadzis S., Melas D., and Zerefos C. (2010). Smoke injection heights from agricultural burning in Eastern Europe as seen by CALIPSO, *Atmos. Chem. Phys.*, 10, 11567–11576, doi:10.5194/acp-10-11567-2010.
  50. Gerasopoulos E., Amiridis V., Kazadzis S., Kokkalis P., Eleftheratos K., Andreae M.O., Andreae T.W., El-Askary H., and Zerefos, C.S. (2011). Three-year ground based measurements of Aerosol Optical Depth over the Eastern Mediterranean: the urban environment of Athens, *Atmos. Chem. Phys.*, 11, 2145–2159, doi:10.5194/acp-11-2145-2011.
  51. Eleftheratos K., Zerefos C.S., Gerasopoulos E., Isaksen I.S.A., Rognerud B., Dalsøren S., and Varotsos C. (2011). A note on the comparison between total ozone from Oslo CTM2 model and SBUV satellite data, *Int. J. Rem Sens.*, Volume 32, Issue 9, 2535 - 2545, doi: 10.1080/01431161003698401.
  52. Im U, Markakis K., Poupkou A., Melas D., Unal A., Gerasopoulos E., Daskalakis N., T. Kindap, and Kanakidou M. (2011). 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.
53. Amiridis V., Balis D., Giannakaki E., Kazadzis S., Arola A., and Gerasopoulos E. (2011). Characterization of the aerosol type using simultaneous measurements of the lidar ratio and estimations of the single scattering albedo, *Atmos. Research*, 101, 46–53, doi:10.1016/j.atmosres.2011.01.010.
  54. Kanakidou M., Mihalopoulos N., Kindap T., Im U., Vrekoussis M., Dermitzaki E., Gerasopoulos E., Unal A., Koçak M., Markakis K., Melas D., Youssef A.F., and Moubasher H. (2011). Megacities as hot spots of air pollution in the East Mediterranean, *Atmospheric Environment*, 45, 1223-1235, doi:10.1016/j.atmosenv.2010.11.048.
  55. Amiridis V., Zerefos C., Kazadzis S., Gerasopoulos E., Eleftheratos K., Keramitsoglou I., Kostopoulou E., Vrekoussis M., Kontoes C., Stohl A., Giannakopoulos C., Kotroni V., Lagouvardos K., Richter A., and Burrows J.P. (2012). Impact of the 2009 Attica wild fires on the air quality in urban Athens, *Atmospheric Environment*, 46, pp. 536-544, doi:10.1016/j.atmosenv.2011.07.056.
  56. Im U., Markakis K., Koçak M., Gerasopoulos E., Daskalakis N., Mihalopoulos N., Poupkou A., Kindap T., Unal A., Kanakidou M., Summertime aerosol chemical composition in the Eastern Mediterranean and its sensitivity to temperature (2012), *Atmospheric Environment*, 50, 164-173, doi:10.1016/j.atmosenv.2011.12.044.
  57. Gerasopoulos E., Kazadzis S., Vrekoussis M., Kouvarakis G., Liakakou E., Kouremeti N., Kanakidou M., and Mihalopoulos N., (2012), Factors affecting O<sub>3</sub> and NO<sub>2</sub> photolysis rates measured in the Eastern Mediterranean during a five year period (2002-2006), *J. Geophys. Res.*, 117/22, doi:10.1029/2012JD017622.

### **C3. Publications in International Conferences – Symposia (publications in proceedings, posters, talks)**

1. Papastefanou C., Manolopoulou M., Stoulos S., Ioannidou A., Gerasopoulos E., (1997). Radon measurements in association with earthquakes. **Proc. Int. Conf. 4<sup>th</sup> ICRGG (International Conference on Rare Gas Geochemistry)**, Rome, Italy, 393-398.
2. Papastefanou C., Manolopoulou M., Stoulos S., Ioannidou A., and Gerasopoulos E., Radon Measurements in Association with Earthquakes. **7<sup>th</sup> Tolwa University International Symposium on Radon and Thoron in the Human Environment**, Fukuoka, Japan, October 23-25, 1997, p. 166-170.
3. Papastefanou C., Manolopoulou M., Stoulos S., Ioannidou A., Gerasopoulos E., (1997). Radon measurements along active faults in the Langada basin, Northern Greece. **Proc. Int. Conf. 2<sup>nd</sup> Dresden Symposium**, Dresden, Germany.
4. Papastefanou C., Manolopoulou M., Stoulos S., Ioannidou A., and Gerasopoulos E., Radon Measurements in Association with Earthquakes. **IV International Conference on Rare Gases Geochemistry**, Rome, Italy, 8-10 October 1997.
5. Papastefanou C., Manolopoulou M., Stoulos S., Ioannidou A., and Gerasopoulos E., Radon Measurements in Association with Earthquakes. **29<sup>th</sup> General Assembly of the International Association of Seismology and Physics of the Earth's Interior (IASPEI 1997)**, (Abstract), Thessaloniki, Greece, August 18-28, 1997, p. 404.
6. Ioannidou A., Manolopoulou M., Stoulos S., Gerasopoulos E., and Papastefanou C., Transport of the radioisotopes <sup>137</sup>Cs, <sup>40</sup>K and <sup>7</sup>Be from ground to plants. **Proceedings of the 1<sup>st</sup> Panhellenic Conference of Environmental Radioactivity**, NCSR “D”, Athens 23-24 November 2001.

7. Galani E., Balis D., Zanis P., Zerefos C.S., Papayannis A., Wernli H., and Gerasopoulos E., Observations of Stratosphere-Troposphere Exchange Events over Eastern Mediterranean using a ground-based lidar system, **XXVII General Assembly EGS**, Nice, 25 April 2002.
8. Zanis P., Schnabel C., Priller A., Zerefos C., Gäggeler H.W., Tobler L., Gerasopoulos E., Kubik P.W., Berger M., Kanter H.J., and Scheel H.E., The use of the (10Be)/(7Be) ratio to estimate the seasonal impact of Stratospheric-Tropospheric Exchange (STE) on the lower free tropospheric ozone over the Alps, **XXVII General Assembly EGS**, Nice, 25 April 2002.
9. Gerasopoulos E., Zanis P., Stohl A., Zerefos C.S., Papastefanou C., Ringer W., Tobler L., Hübener S., Gäggeler H.W., Kanter H.J., Tositti L., and Sandrini S., Climatological aspects of the cosmogenic radionuclide <sup>7</sup>Be at high-altitude alpine stations, **XXVII General Assembly EGS**, Nice, 25 April 2002.
10. Gerasopoulos E., Zanis P., Zerefos C.S., Papastefanou C., Ringer W., Gäggeler H.W., Tobler L., and Kanter H.J., Factors and processes controlling the concentration of the cosmogenic radionuclide <sup>7</sup>Be at high-altitude alpine stations. **Seventh International Symposium - Natural Radiation Environment (NRE-VII)**, Rhodes, 20-24 May 2002.
11. Balis D., Amiridis V., Zerefos C., Gerasopoulos E., and Andreae M.O., Long-range transported aerosols detected with Raman lidar and filter radiometer measurements, **ARW NATO Workshop**, Chalkidiki 2002.
12. Priller A., Berger M., Gäggeler H.W., Gerasopoulos E., Kubik P.W., Schnabel C., Tobler L., Wild E.M., Zanis P., and Zerefos C., Accelerator Mass Spectrometry of particle bound <sup>10</sup>Be, Meteoric <sup>10</sup>Be in **Environmental Systems Workshop**, Tokyo, September 2002.
13. Balis D., Amiridis V., Zerefos C., Gerasopoulos E., Papayannis A., and Andreae M.O., Long-range transported aerosols detected with Raman lidar and filter radiometer measurements, **Seventh Scientific Conference of the International Global Atmospheric Chemistry Project (IGAC) - Commission for Atmospheric Chemistry and Global Pollution (CACGP)**, Crete, 18-25 September 2002.
14. Zanis P., Trickl T., Stohl A., Wernli H., Cooper O., Zerefos C., Gäggeler H., Priller A., Schnabel C., Scheel H.E., Kanter H.J., Tobler L., Kubik P., Cristofanelli P., Forster C., James P., Gerasopoulos E., Delclos A., and Papayannis A., A case study of a successfully forecasted deep STE event over central Europe within the framework of STACCATO, **Seventh Scientific Conference of the International Global Atmospheric Chemistry Project (IGAC) - Commission for Atmospheric Chemistry and Global Pollution (CACGP)**, Crete, 18-25 September 2002.
15. Gerasopoulos E., Andreae M.O., Zerefos C., Andreae T.W., Merlet P., Amiridis V., and Balis D., Climatological aspects of aerosol optical properties in Northern Greece, **Seventh Scientific Conference of the International Global Atmospheric Chemistry Project (IGAC) - Commission for Atmospheric Chemistry and Global Pollution (CACGP)**, Crete, 18-25 September 2002.
16. Balis D., Amiridis V., Zerefos C., Gerasopoulos E., Andreae M.O., Zanis P., Kazantzidis A., Kazatzis S., and Papayiannis A., Raman lidar and MFR measurements of aerosol optical properties during a biomass burning episode over Thessaloniki, Greece, **European Aerosol Conference**, Madrid September 2003, *J. Aer. Sci., Suppl 1107-1108 (2003)*.
17. Gerasopoulos E., Zanis P., Zerefos C.S., Papastefanou C., Ringer W., Gäggeler H.W., Tobler L., and Kanter H.J., Factors and processes controlling the concentration of the cosmogenic radionuclide <sup>7</sup>Be at high-altitude alpine stations. Seventh International Symposium of the Natural Radiation Environment (NRE-VII), Proceedings in **Radioactivity in the Environment**, **V7**, ISSN 1569-4860/DOI 10.1016/S1569-4860(04)07108-6, ed: M.S. Baxter, Elsevier Science, 2005.

18. Balis D., Amiridis V., Zerefos C., Gerasopoulos E., and Andreae M.O., Regional and long-range transported aerosols detected with a Raman lidar and filter radiometer measurements, ICAG conference, **EARLINET symposium**, Hamburg, 11-12 February 2003.
19. Balis D., Amiridis V., Zerefos C., Gerasopoulos E., and Andreae M.O., Raman lidar and MFR measurements of aerosol optical properties during a biomass burning episode over Thessaloniki, **EARLINET symposium**, Hamburg, 11-12 February 2003.
20. Kazadzis S., Bais A., Kouremeti N., Gerasopoulos E., Amiridis V., and Garane K., Aerosol optical depth measurements (1997-2003) at Thessaloniki Greece, **Quadrennial Ozone Symposium**, Kos-Greece, 1-8 June 2004.
21. Gerasopoulos E., Kouvarakis G., Vrekoussis M., Kanakidou M., and Mihalopoulos N., Ozone variability in the marine boundary layer of the Eastern Mediterranean – A statistical approach, **Quadrennial Ozone Symposium**, Kos-Greece, 1-8 June 2004.
22. Zanis P., Galani E., Gerasopoulos E., Zerefos C., Balis D., Papayannis A., and Papastefanou C., Observations of stratosphere-to-troposphere transport events in Greece during the EU-project STACCATO, **7th Panhellenic (International) Conference of Meteorology, Climatology and Atmospheric Physics**, Lefkosia, Cyprus, 28-30 September 2004.
23. Gerasopoulos E., Kouvarakis G., Vrekoussis M., Kanakidou M., and Mihalopoulos N., Analysis of ozone trends in the Eastern Mediterranean, **1<sup>st</sup> International Conference on Air Pollution and Combustion CAPAC**, Middle East Technical University (METU), Ankara, Turkey, 22-25 June 2005.
24. Gerasopoulos E., Kouvarakis G., Vrekoussis M., Kanakidou M., and Mihalopoulos N., Analysis of ozone trends in the Eastern Mediterranean, **9<sup>th</sup> International Conference on Environmental Science and Technology**, Global Network for Environmental Science and Technology Global Nest, Rhodes Island, Greece, 1-3 September 2005.
25. Poupkou A., Symeonidis P., Lisaridis I., Melas D., Ziomias I., Pouspourika E., Yay O.D., Balis D., Gerasopoulos E., and Papanastasiou D., Performance evaluation of photochemical modeling over the Eastern Mediterranean, **Atmospheric Composition Change the European Network of Excellence ACCENT Symposium**, Urbino, Italy, 12-16 September 2005.
26. Kalivitis N., Gerasopoulos E., Kouvarakis G., Koulouri E., Drakakis M., and Mihalopoulos N., Assessment of dust transport over E. Mediterranean based on surface measurements and aeronet observations, **Atmospheric Composition Change the European Network of Excellence ACCENT Symposium**, Urbino, Italy, 12-16 September 2005.
27. Gerasopoulos E., Kouvarakis G., Vrekoussis M., Donoussis C., Kanakidou M., and Mihalopoulos N., Ozone production rates derived from 7-year observations in the Eastern Mediterranean and modeling, **Atmospheric Composition Change the European Network of Excellence ACCENT Symposium**, Urbino, Italy, 12-16 September 2005.
28. Gerasopoulos E., Zanis P., Papastefanou C., Zerefos C., Ioannidou A., Wernli H. Deep Stratosphere to Troposphere Transport over the Eastern Mediterranean: an extreme case study. **Joint Scientific Conference of the International Global Atmospheric Chemistry Project (IGAC)** - Commission for Atmospheric Chemistry and Global Pollution (CACGP) – World Meteorological Organization (WMO), Cape Town, 17-23 September 2006.
29. Gerasopoulos E., Kouvarakis G., Babasakalis P., Vrekoussis M., Putaud J.P., Mihalopoulos N. Climatological aspects and chemical composition of PM<sub>10</sub> over the Eastern Mediterranean. **Joint Scientific Conference of the International Global Atmospheric Chemistry Project (IGAC)** - Commission for Atmospheric Chemistry and Global Pollution (CACGP) – World Meteorological Organization (WMO), Cape Town, 17-23 September 2006.
30. Gerasopoulos E., Zerefos C., Mihalopoulos N., Petrakis M., Founda D., Psiloglou V., Kouvarakis G., Vrekoussis M., Kalivitis N. Changes in photochemistry during two solar eclipses at several locations in the Eastern Mediterranean. **Joint Scientific Conference of the**

- International Global Atmospheric Chemistry Project (IGAC)** - Commission for Atmospheric Chemistry and Global Pollution (CACGP) – World Meteorological Organization (WMO), Cape Town, 17-23 September 2006.
31. Kalivitis N., Gerasopoulos E., Vrekoussis M., Kouvarakis M., Kubilay N., Vardavas I., Hatzianastassiou N., Mihalopoulos N. Dust transport over Eastern Mediterranean inferred from remote (TOMS, AERONET) and land based measurements. **Joint Scientific Conference of the International Global Atmospheric Chemistry Project (IGAC)** - Commission for Atmospheric Chemistry and Global Pollution (CACGP) – World Meteorological Organization (WMO), Cape Town, 17-23 September 2006.
  32. Vrekoussis M., Kalivitis N., Myriokefalitakis S., Gerasopoulos E., Kluepfel T., Williams J., Lelieveld J., Mihalopoulos N., Kanakidou M. Nighttime occurrence of peroxy radicals in the marine boundary layer of the Eastern Mediterranean. **Joint Scientific Conference of the International Global Atmospheric Chemistry Project (IGAC)** - Commission for Atmospheric Chemistry and Global Pollution (CACGP) – World Meteorological Organization (WMO), Cape Town, 17-23 September 2006.
  33. Kalabokas P., Ellul R., Gerasopoulos E., Mihalopoulos N., Kleanthous S. An investigation on the factors influencing the rural surface ozone levels in the Eastern Mediterranean (Malta, Greece, Cyprus). **Joint Scientific Conference of the International Global Atmospheric Chemistry Project (IGAC)** - Commission for Atmospheric Chemistry and Global Pollution (CACGP) – World Meteorological Organization (WMO), Cape Town, 17-23 September 2006.
  34. Papastefanou C., Manolopoulou M., Stoulos S., Ioannidou A., Gerasopoulos E. Radon mapping of a high radon level Pleistocene cave operating as a show cave. **Eighth International Workshop on the Geological Aspects of Radon Risk Mapping**, Prague, Czech Republic, September 26–30, 2006.
  35. Grigoropoulos, K.N., Feredinos, G., Petrakis M., Nastos P., Klinakis Th., Rifiotis Ch., Spyropoulou M., Gerasopoulos E., Measurements of Radon daughters in the atmosphere of Athens and correlation with exhaust pollutants from cars. **7<sup>th</sup> Panhellenic Conference of Preventive Medicine**, Holiday Inn, Athens, 25-27 January 2007.
  36. Grigoropoulos, K.N., Feredinos, G., Petrakis M., Nastos P., Klinakis Th., Rifiotis Ch., Spyropoulou M., Gerasopoulos E., Aerosol measurements in Athens and impacts on public health. **7<sup>th</sup> Panhellenic Conference of Preventive Medicine**, Holiday Inn, Athens, 25-27 January 2007.
  37. Grigoropoulos, K.N., Feredinos, G., Nastos, P.T., Psiloglou, B.E., Andritsis, R., Founda, D., Stefanopoulos, G., Gerasopoulos, E. Comparison of PM<sub>10</sub> loadings between north and south locations in Athens periphery and simultaneous monitoring and mapping at different bands of electromagnetic spectrum. **European Geosciences Union (EGU) General Assembly 2007**, Vienna, Austria, 15 – 20 April 2007.
  38. Grigoropoulos, K.N., Nastos, P.T., Feredinos, G., Stefanopoulos, G., Gerasopoulos, E. Concurrent measurements of PM and Radon daughters during an episode of dust transport from N. Africa. **European Geosciences Union (EGU) General Assembly 2007**, Vienna, Austria, 15 – 20 April 2007.
  39. Grigoropoulos, K.N., Feredinos, G., Klinakis Th., Nastos P., Gialouris A., Vassiliou Th., Saratsiotis D., Malamos S., Patrikios E., Croubholts M., Kalabokis V., Avgeri D., Mavroidakis I., Rifiotis Ch., Gerasopoulos, E. Aerosols in the city of Athens – impacts and epidemiological elements. **33<sup>th</sup> Panhellenic Medicine Conference**, Athens May 2007.
  40. E. Gerasopoulos, E. Koulouri, N. Kalivitis, G. Kouvarakis, M. Vrekoussis, S. Saarikoski, T. Mäkelä, R. Hillamo, N. Kubilay, N. Mihalopoulos, Aerosols over Eastern Mediterranean: Size-segregated mass distributions, vertical dust transport pathways and comparison with AERONET and TOMS, **Atmospheric Composition Change the European Network of**

**Excellence ACCENT Symposium, Causes and Consequences – Local to Global**, Urbino, Italy, 23-27 July 2007.

41. M. Kanakidou, N. Mihalopoulos, N. Kalivitis, K. Tsigaridis, G. Kouvarakis, E. Koulouri, E. Gerasopoulos, M. Vrekoussis, S. Myriokefalitakis. Natural Contributions To Particulate Mater Levels Over Europe – The Experience From Greece, **Proceedings of the 10<sup>th</sup> International Conference on Environmental Science and Technology CEST 2007**, Global Network for Environmental Science and Technology Global Nest, Kos Island, Greece, 5-7 September 2007, pp 585-592.
42. Vrekoussis M., Mihalopoulos N., Gerasopoulos E., Kanakidou M., Crutzen P. J., and Lelieveld J. Long-term observations of nitrate radicals in the marine boundary layer of a semi-polluted, remote area. Contribution to the ACCENT CCAQ: 4<sup>th</sup> Barnsdale Meeting November 2007.
43. Gerasopoulos E., The March 2006 Total Solar Eclipse and its effects on the environment (atmosphere, ecosystems): An overview, **Polar Research Workshop, The European Polar Research Icebreaker, Aurora Borealis - FP7 Project, 2nd International Symposium of Polar Scientific Research**, Romanian Polar Research Institute, European Science Foundation and German Institute for Polar and Marine Research “Alfred Wegener “, Romanian Academy Meeting Hall, Bucharest, Romania, 16-17 November 2007 (invited)
44. Kanakidou M., Myriokefalitakis S., Tsigaridis K., Sfakianaki M., Mihalopoulos N., Kalivitis N., Gerasopoulos E., Natural Contributions to Particulate Mater Levels over Europe, **Proceedings of Protection and Restoration of the Environment IX**, Kefalonia, Greece, 29 June - 3 July 2008.
45. Gerasopoulos E., Kalivitis N., Kouvarakis G., Hillamo R. and Mihalopoulos N., Dust transport from Africa and its contribution to aerosol loadings over eastern Mediterranean, **IX EMTE National-International Conference of Meteorology-Climatology and Atmospheric Physics**, Thessaloniki, Greece, 28-31 May 2008.
46. Kanakidou M., Myriokefalitakis S., Tsigaridis K., Mihalopoulos N., Kalivitis N., Gerasopoulos E., Vrekoussis M., Natural and anthropogenic contributions to particulate mater and its radiative forcing over the East Mediterranean, **IX EMTE National-International Conference of Meteorology-Climatology and Atmospheric Physics**, Thessaloniki, Greece, 28-31 May 2008.
47. Kokkalis P., Gerasopoulos E., Amiridis V., Mamouri R.E, Tsaknakis G., Koukouli M., Kazadzis S. and Papayannis A., Study of the aerosol optical depth variability over Athens, Greece using ground-based (lidar, Multi-filter radiometer) and satellite data (MODIS), **European Aerosol Conference**, 24-29 Aug 2008 Thessaloniki Greece.
48. Mamouri R.E., Papayannis A., Amiridis V., Tsaknakis G., Gerasopoulos E., Kokkalis P., Raman lidar measurements of fresh smoke over Athens, during summer 2007, **European Aerosol Conference**, 24-29 Aug 2008 Thessaloniki Greece.
49. Gerasopoulos E., Kalivitis N., Kouvarakis G., Hillamo R. and Mihalopoulos N., Aerosol loadings over Eastern Mediterranean and the contribution of Saharan dust, **First International Conference: From Deserts to Monsoons**, Aldemar Knossos Royal Village, Crete, Greece June 1-6, 2008 (invited).
50. Kokkalis P., Gerasopoulos E., Amiridis V., Mamouri RE, Koukouli M., Kazadzis S., and Papayannis A., Climatology of Aerosol Optical Depth over Athens, Greece using ground-based (Lidar, Multi-Filter Radiometer) and satellite data (MODIS), **First International Conference: From Deserts to Monsoons**, Aldemar Knossos Royal Village, Crete, Greece June 1-6, 2008.
51. Vrekoussis M., Gerasopoulos E., Mihalopoulos N., Im U., Richter A., Petrakis M., Kanakidou M., Myriokefalitakis S., Yenigun O., Ldstatter-Weissenmayer, A., Burrows J.P., Zerefos C., Spatial and temporal variability of NO<sub>2</sub> mixing ratios inferred from satellite and ground-based

observations above Europe: role of megacities, **7th International Conference on Air Quality - Science and Application** (Air Quality 2009), Istanbul, 24-27 March 2009

52. Gauss M., M. Amann, B. Bessagnet, J. Burrows, R. Cesari, C. Clerbaux, S. Decesari, M. D'Isidoro, E. A. Elhaliem, M. C. Facchini, A. Fahmy, A. M. Fjaeraa, S. Fuzzi, E. Gerasopoulos, C. Granier, A. Heil, Ø. Hov, M. Hu, I.S.A. Isaksen, H. Jakobs, M. Kanakidou, M. Karaca, N. Kubilay, Z. Klimont, K. Law, A. Maurizi, F. Meleux, M. Memmesheimer, N. Mihalopoulos, M. Mircea, P. Monks, J. Pelon, M. Petrakis, J. Remedios, A. Richter, L. Rouil, M. Schultz, S. Slanina, S. Solberg, F. Stordal, F. Tampieri, L. Tarrason, K. Torseth, A. Unal, C. Zerefos, Y. Zhang, The CITYZEN Project – Bridging the Scales with Focus on Megacities, **7th International Conference on Air Quality - Science and Application** (Air Quality 2009), Istanbul, 24-27 March 2009
53. Vrekoussis, M., 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, **MOCA 2009 Joint Assembly by IAMAS, IAPSO and IACS**, Montreal Canada, 19-24 July 2009.
54. Amiridis, V., D. Balis, T. Chronis, N. Dalezios, K. Eleftheratos, K. Eleftheriadis, E. Gerasopoulos, G. Kallos, E. Katragou, G. Kotzamanis, M. Lazaridis, N. Mihalopoulos, A. Papayannis, S. Rapsomanikis, E. Remoudaki, G. Tselioudis, M. Tzortziou, C. Varotsos, C. Zerefos, and I. Ziomias, The Greek contribution to the ChArMEx project, **ChArMEx, International Workshop**, Toulouse, France, 29 June – 1 July 2009.
55. Vrekoussis M, A. Hilboll, A. Richter, J. Leitão, F. Wittrock, 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 Mediterranean basin, **1st International Conference of Space Technology ICST 2009**, Thessaloniki, Greece, 24-26 August 2009.
56. Amiridis V., Balis D., Chronis T., Dalezios N., Eleftheratos K., Eleftheriadis K., Gerasopoulos E., Kallos G., Katragou E., Kotzamanis G., Lazaridis M., Mihalopoulos N., Papayannis A., Rapsomanikis S., Remoudaki E., Tselioudis G., Tzortziou M., Varotsos C., Zerefos C., and Ziomias I., The Greek Contribution to the ChArMEx Project, **ChArMEx, International Workshop**, 29 June – 1 July 2009, Toulouse, France.
57. Zerefos C., Eleftheratos, K., Kazadzis S., Gerasopoulos E., Kazantzidis A., Luterbacher, et al., Global dimming and brightening: the UV case, **European General Assembly, EGU 2010**, Vienna, Austria, 2-7 May 2010.
58. Im U., Markakis K., Daskalakis N., Doering U., Unal A., Mihalopoulos N., Gerasopoulos E., Kocak M., Kindap T., van Aardenne J., Kubilay N., and Kanakidou M., Quantification of air pollution levels and its sources for the Eastern Mediterranean: A megacity perspective, **European General Assembly, EGU 2010**, Vienna, Austria, 2-7 May 2010.
59. Kanakidou M., Mihalopoulos N., Daskalakis N., Im U., Kocak M., Gerasopoulos E., Hatzianastassiou N., Vrekoussis M., Unal A., Kindap T., Kocak M., Kubilay N., Markakis K., Poupkou A., Youssef A.F., and Moubasher H., Impact of growing urbanization on air quality and climate in the East Mediterranean - An overview of the first results from the CITYZEN project, **European General Assembly, EGU 2010**, Vienna, Austria, 2-7 May 2010.
60. Amiridis V., Giannakaki E., Balis D.S., Pytharoulis I., Zanis P., Melas D., Kazadzis S., Gerasopoulos E., and Zerefos C., Smoke injection heights from agricultural burning in Eastern Europe as seen by CALIPSO, **25th International Laser Radar Conference, ILRC25**, St. Petersburg, Russia, 5-9- July 2010.
61. Gerasopoulos E., Kokkalis P., Kazadzis S., Amiridis V., Eleftheratos K., and Zerefos C., Aerosol Optical Depth (AOD) variability over Athens, Greece, **2010 International Aerosol Conference, IAC**, Helsinki, Finland, 29/8-3/9 2010.



62. Gerasopoulos E., Kokkalis P., Amiridis V., Eleftheratos K., and Zerefos C.S., Physico-chemical processes controlling aerosol optical properties depth over the urban environment of Athens, **International Conference on Meteorology, Climatology and Atmospheric Physics, COMECAP 2010**, Patras, Greece, 25-28 May 2010.
63. Im U., Daskalakis N., Mihalopoulos N., Kanakidou M., Markakis K., Doering U., Unal A., Kindap T., Gerasopoulos E., Kocak M., Kubilay N., and van Aardenne J., Quantification of air pollution levels and its sources in the Eastern Mediterranean: A megacity perspective, *Geophysical Research Abstracts* Vol. 13, EGU2011-6071, **EGU - European Geosciences Union General Assembly 2011**, Vienna, Austria, 3–8 April 2011.
64. Petrakis M., Roukounakis N., Gerasopoulos E., Psiloglou B., and Kopania D., Use of alternative fuels for the improvement of air quality from the transport sector: the case of eastern Attica, **CEST 2011 - 12th International Conference on Environmental Science and Technology**, Rhodes Island, Greece, 8-10 September 2011.
65. Kotroni V., Kazadzis S., Lagouvardos K., Amiridis V., and Gerasopoulos E., Influence of wind field patterns on aerosol optical depth over Athens and the Aegean sea, **EAC 2011- European Aerosol Conference**, Manchester, UK, 4-9 September 2011.
66. Gerasopoulos E., Mihalopoulos N., Kazadzis S., Vrekoussis M., Kouvarakis G. and Kouremeti N., Influence of aerosol optical properties on NO<sub>2</sub> and O<sup>1</sup>D photolysis rates measured at Eastern Mediterranean, **EAC 2011- European Aerosol Conference**, Manchester, UK, 4-9 September 2011.
67. 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 Symposium 2011**, Urbino. Italy, 13-16 September 2011.
68. Kazadzis S., Amiridis V., Gerasopoulos E. and Arola A., Aerosol absorption retrieval at ultraviolet wavelengths in a complex environment, **6th International Workshop on Sand/Duststorms and associated dustfall**, Athens, Greece, 7-9 September 2011.
69. Gerasopoulos E., Gratsea M., Kazadzis, 1., Amiridis, V., Vrekoussis, M., and Liakakou, E., Dust impact on urban air quality, **6th International Workshop on Sand/Duststorms and associated dustfall**, Athens, Greece, 7-9 September 2011.
70. Gerasopoulos E., Mihalopoulos N., Kazadzis S., Vrekoussis M., Liakakou E., Kouvarakis G. and Kouremeti N., Factors controlling the variability of photolysis rates of NO<sub>2</sub> and O<sup>1</sup>D in the complex environment of the Eastern Mediterranean, **11th International Conference on Meteorology, Climatology and Atmospheric Physics, COMECAP 2012**, Athens, Greece, 30 May – 1 June 2012.
71. Paraskevopoulou D., Gerasopoulos E., Liakakou E., Gratsea M., Zampas P., Theodosi C. and Mihalopoulos N., Optical properties of aerosols over Athens, Greece, and their relation with chemical composition, **11th International Conference on Meteorology, Climatology and Atmospheric Physics, COMECAP 2012**, Athens, Greece, 30 May – 1 June 2012.
72. Amiridis V., Marinou E., Kazadzis S., Gerasopoulos E., Kokkalis P., Mamouri R.E., Papayannis A., Kouremeti N., Giannakaki E., Liakakou E., Paraskevopoulou D., Gratsea M., Kouvarakis G., Allahverdiev K., Huseyinoglu F., Secgin A., Balis D., Bais A., Mihalopoulos N., Daglis I.A. and Zerefos C., ACEMED experimental campaign over Greece for the evaluation of CALIPSO's aerosol classification scheme, **11th International Conference on Meteorology, Climatology and Atmospheric Physics, COMECAP 2012**, Athens, Greece, 30 May – 1 June 2012.
73. Paraskevopoulou D., Zampas P., Liakakou E., Gerasopoulos E., and Mihalopoulos N., Four-year monitoring of PM<sub>2.5</sub> and PM<sub>10</sub> fractions of particulate matter and ionic composition in

- Athens, Greece, **8th International Conference on Air Quality 2012**, Athens, Greece, 19-23 March 2012.
74. Im U., Markakis K., Kocak M., Gerasopoulos E., Daskalakis N., Mihalopoulos N., Poupkou A., Kindap T., Unal A., Kanakidou M., Air quality in the eastern Mediterranean: emissions, chemical composition and climate sensitivity, **8th International Conference on Air Quality 2012**, Athens, Greece, 19-23 March 2012.
  75. Wittrock F., Vrekoussis M., Peters E., Richter A., Gerasopoulos E., Mihalopoulos N., Kanakidou M., Air pollution in the Mediterranean using Max-Doas observations, **8th International Conference on Air Quality 2012**, Athens, Greece, 19-23 March 2012.
  76. Kazadzis S., Amiridis V., Kouremeti N., Gerasopoulos E., and Kopania D., Columnar aerosol absorption retrieval and effects on solar UV radiation, **IRS2012-69 International Radiation Symposium 2012**, Dahlem Cube, Berlin, Germany, 06 – 10 August 2012.
  77. Im U., Markakis K., Kocak M., Gerasopoulos E., Daskalakis N., Mihalopoulos N., Poupkou A., Kindap T., Unal A., Kanakidou M., Air quality in the eastern Mediterranean: Impacts on emissions, temperature and mitigation, **IGAC International Global Atmospheric Chemistry 2012**, Beijing, China 17-21 September 2012.
  78. Vrekoussis M., Richter A., Hilboll, A., Burrows J.P., Gerasopoulos E., Mihalopoulos N., Zerefos C., Economic crisis detected from space: Trends in air quality of Athens in Greece **IGAC International Global Atmospheric Chemistry 2012**, Beijing, China 17-21 September 2012.
  79. Paraskevopoulou D., Kazadzis S., Mihalopoulos N., Arola A., Eleftheriadis K., Theodosi C., Bougiatioti A., Diapouli E. and Gerasopoulos E., Evaluation of aerosol OC/BC estimations derived from AERONET data, using in-situ ground measurements, **EAC European Aerosol Conference**, Granada, Spain, 2-7 September 2012.
  80. Sciare J., Di Sarra A., Ellul R., Gerasopoulos E., Hansson H.C., Kleanthous S., Mihalopoulos N., Pey J., Querol X., and Yassaa N., A Mediterranean Atmospheric Network for in-situ aerosol measurements: Motivation and Objectives, **EAC European Aerosol Conference**, Granada, Spain, 2-7 September 2012.
  81. Athanasopoulou E., Gerasopoulos E., Vogel H., Kazadzis S., Liakakou E., Gratsea M., and Vogel B., Aerosol observations and predictions in the southeastern Europe during the extreme summer 2007, **EAC European Aerosol Conference**, Granada, Spain, 2-7 September 2012.
  82. Founda D., Gerasopoulos E., Pierros F., Nastos P. and Zerefos C., Variability and spatial distribution of rain regime in Greece based on synoptical disaggregation of precipitation series, **ECAC 2012, 12th EMS Annual Meeting & 9th European Conference on Applied Climatology**, Łódź, Poland, 10 – 14 September 2012.
  83. Amiridis V., Kazadzis S., Gerasopoulos E., Marinou E., Tsekeri A. and LeRille O., 5-year CALIPSO climatology of Saharan dust over North Africa and Europe, **EGU – European Geophysical Union 2013**, Vienna, Austria, 7-12 April 2013.
  84. Gerasopoulos E., Gratsea M., Amiridis V., Zerefos C., Andreae M.O. , 1.5-year AOD observations at the Navarino Environmental Observatory (NEO), in Messinia-S. Greece (Eastern Mediterranean), **EGU – European Geophysical Union 2013**, Vienna, Austria, 7-12 April 2013.
  85. Vrekoussis M., Richter A., Hilboll A., Burrows J.P., Zerefos C., Gerasopoulos E., Lelieveld J., Barrie L., and Mihalopoulos N., Economical crisis detected from space: Trends in air quality of Athens in Greece, (oral) **EGU – European Geophysical Union 2013**, Vienna, Austria, 7-12 April 2013.
  86. Vrekoussis M., Richter A., Hilboll A., Burrows J.P., Zerefos C., Gerasopoulos E., Lelieveld J., Barrie L., and Mihalopoulos N., Economical crisis detected from space: Trends in air quality of

Athens in Greece, **First International Conference of Remote Sensing and Geoinformation on Environment**, Pafos, Cyprus, 8-10 April 2013.

87. Liakakou E., Gerasopoulos E., Paraskevopoulou D., Zarmas P., Theodosi C., Kalivitis N., Manias G., Mihalopoulos N., Zerefos C., Aerosol chemical composition at NEO (Eastern Mediterranean) during the ARGON 2012 summer campaign, **EAC European Aerosol Conference**, Prague, Czech, 1-6 September 2013.
88. Paraskevopoulou, D., Liakakou E., Gerasopoulos E. and Mihalopoulos N., Long-term variability of elemental and organic carbon in aerosols over Athens, Greece, (oral) **EAC European Aerosol Conference**, Prague, Czech, 1-6 September 2013.
89. Athanasopoulou E., Rieger D., Walter C., Vogel H., Vogel B. and Gerasopoulos E., Modeling the chemical and radiative effects of aerosol during the wildfires of 2007 in Greece, **EAC European Aerosol Conference**, Prague, Czech, 1-6 September 2013.

#### **C4. Technical/Scientific Reports - Books**

1. Regional Assessment of Climate Change in the Mediterranean (RACCM), Final Report CIRCE FP6 Project, Co-author to the "Air Quality" section.
2. The environmental, economic and societal impacts of climate change in Greece, Bank of Greece, June 2011, ISBN 978-960-7032-49-2, co-author of 1<sup>st</sup> chapter "The climate of the Eastern Mediterranean and Greece: past, present and future"

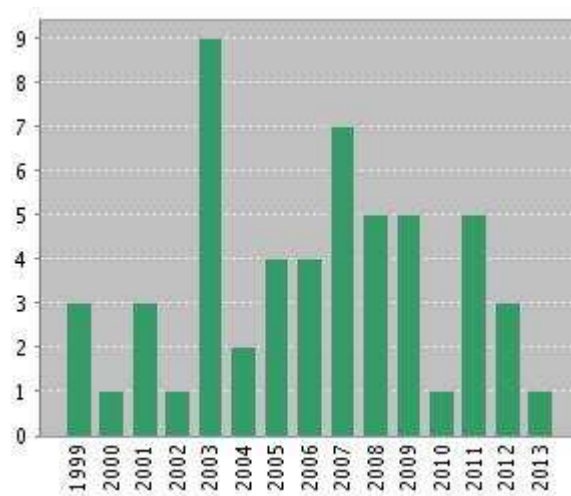
## D. RECOGNITION OF SCIENTIFIC & RESEARCH WORK

### D1. Citations, Impact Factors και h-index

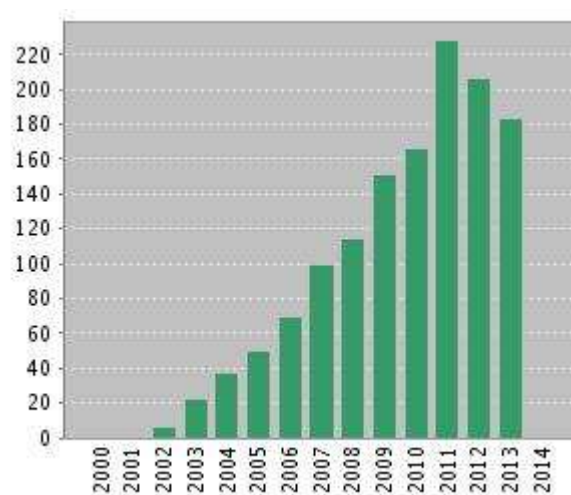
57 publications in peer reviewed journals and 89 publications in conferences (w or w/o proceedings), symposia etc.

- Journals Average Impact Factor ( $\Sigma[N_{\text{pub}} * \text{IF} / \text{Tot}N_{\text{pub}}]$ ) : 3.4
- Total citation record 1337 (1196 by 3rd parties), 24.8 per item, h-index 22

*{source: WOS-ISI, Dec 2013}*



**Figure 1:** Publications per year (*source: WOS-ISI, Dec 2013*)



**Figure 2:** Total citations per year (*source: WOS-ISI, Dec 2013*)

## **D2. Invitations – Representative**

1. Greek representative, to the works of the European Polar Board (EPB) of European Science Foundation (ESF) regarding polar research and the perspective of Greek participation in scientific level (2008-2009).
2. Greek representative in the Plenary Meeting of the European Polar Board του European Science Foundation, Brussels, 15 October 2009
3. World Environment Day, Toyota event in the Foundation of the Hellenic World, 5 June 2008 **(invited)**.
4. European Academies Science Advisory Council (EASAC), Scoping Workshop on Biofuels, Royal Netherlands Academy of Arts and Sciences (KNAW), Amsterdam, Netherlands, 27 March 2008 **(invited, appointed by the Academy of Athens)**.
5. "Environment and Sustainable Development", Rotary of Pallini, EXPO Athens, 21 October 2007 **(invited)**.

## **D3. Member in Editorial Boards of International Scientific Journals**

1. Editor in Atmospheric Chemistry and Physics, EGU-Copernicus Pubs (IF: 5.5)  
[http://www.atmospheric-chemistry-and-physics.net/general\\_information/editorial\\_and\\_advisory\\_board.html](http://www.atmospheric-chemistry-and-physics.net/general_information/editorial_and_advisory_board.html)
2. Editor in The Scientific World Journal, Hindawi Pubs (IF: 1.524)

## **D4. Reviewer in Scientific Journals**

Atmospheric Chemistry and Physics, Atmospheric Environment, Journal of Geophysical Research, Geophysical Research Letters, Atmospheric Research, Atmospheric Pollution Research, Environmental Pollution, Annales Geophysicae, Environmental Science and Pollution Research, Water, Air, & Soil Pollution, Meteorology and Atmospheric Physics, Journal of Environmental Modelling & Software, Optica Pura y Aplicada, New Astronomy