

CURRICULUM VITAE

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A T H E N S 2013

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CURRICULUM VITAE



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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
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Marital status:	Married, 2 children

A2. Education

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

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

2011 –	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> "
2006 – 2011	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> "
2004 – 2006	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
2003 – 2004	Military Service (Ordnance Corps)
2001 – 2002	Research fellow in the field of " <i>Optical Properties of Atmospheric Aerosols</i> " at Max-Planck Institute, Biogeochemistry Department, Mainz, Germany.
1996 – 2001	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>
2011 –	ACP/Copernicus/EGU	Editor in Atmospheric Chemistry and Physics, EGU-Copernicus Pubs (IF: 5.5)
2010 –	Academy of Athens	Member of the Steering Committee of the Navarino Environmental Observatory, on behalf of the Academy of Athens
2008	Dion Municipality	Award of Eminent Citizen of Dion Municipality for his contribution on the environmental activities of the municipality
2005-2006	GSSF	Scholarship for post-doctoral research from the Greek State Scholarship Foundation
1999-2002	GSSF	First award in Radiation Physics (financial support) from the 32nd Program of the Greek State Scholarship Foundation

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

	Project title	Funding source	Duration	Role/budget
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	Principal Investigator for NOA, NOA budget 312.9 k€
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	Principal Investigator for NOA, NOA budget 100 k€
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	Principal Investigator for NOA,

	areas in the Greek territory. Case study: Messinia – Integrated Tourism Development Areas	2007-2013, Hellenic Ministry of Economy, Competitiveness and Shipping		NOA budget 183.6 k€
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	Contact person for IERSD/NOA
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	Principal Investigator for NOA, NOA budget 58 k€
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. 9th 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. Dermizaki 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 ^7Be and 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}Cs , ^{40}K and ^7Be . *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 ^7Be 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 (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 ¹⁰Be, *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 ¹³⁷Cs, ⁴⁰K and ⁷Be 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
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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.
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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 1st 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}

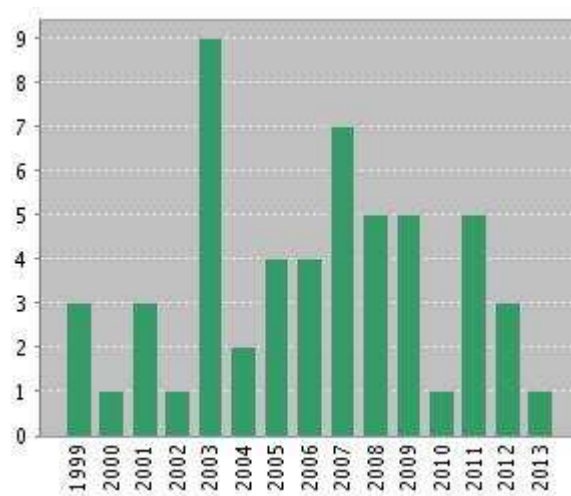


Figure 1: Publications per year (source: WOS-ISI, Dec 2013)

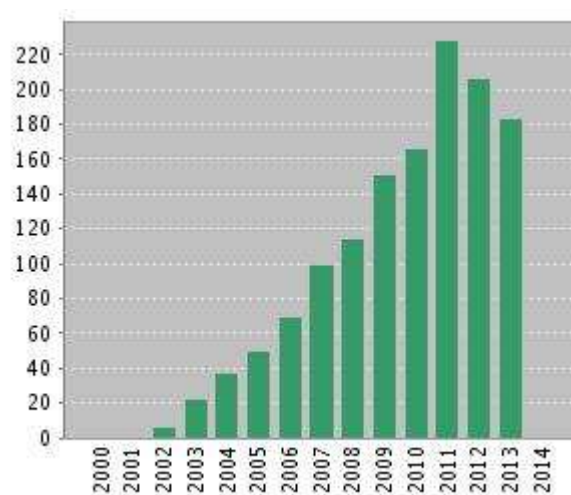


Figure 2: Total citations per year (source: WOS-ISI, Dec 2013)

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
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