

CURRICULUM VITAE

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A T H E N S 2019

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CURRICULUM VITAE

Dr. Evangelos Gerasopoulos
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and Sustainable Development
National Observatory of Athens



A. General Information

A1. Personal

Birth date:	April 11, 1974
Birth place:	Thessaloniki, Greece
Work address:	Institute for 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:	egera@noa.gr
Web-site:	apcg.meteo.noa.gr smurbs.eu
Marital status:	Married, 3 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>	Greek (native) English (proficiency) German, French, Italian (basic)

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. Member of the **Special Scientific Committee on Climate Change**, Ministry of Environment and Energy (Jan 2020 – present)
2. Member of the **EuroGEOSS Coordination Group** (2017 – present)
3. Member of the **Board of the Hellenic Quality Assurance & Accreditation Agency (HQA)** (2017-present)
4. Member of the **Programme Board of the intergovernmental Group on Earth Observations (GEO/UN)** (2015 - present)
5. Member of the **Sectorial Scientific Council for the Environment and Energy of the National Council for Research and Technology** (2014 - 2016)
6. **Director of the Greek GEO Office** (2014 - present)
7. President of the **Scientific Advisory Board of the Institute for Environmental Research and Sustainable Development** (2014 - 2016)
8. Head of the **Secretariat and Public Relations Office of the Institute for Environmental Research and Sustainable Development** (2013 - present)
9. President of the **National Observatory of Athens Researchers Association** (2013 - 2016)
10. Vice-president of the **Scientific Advisory Board of the Institute for Environmental Research and Sustainable Development** (2012 - 2014)
11. 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>). (2012 - present)
12. **Editor** in Atmospheric Chemistry and Physics (ACP), EGU-Copernicus Pubs (IF 5-year: 5.6) (2011-present)
13. Member of the **Steering Committee of Navarino Environmental Observatory (NEO)** 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 - present)
14. **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 - present)

A5. Scholarships – Distinctions – Awards

<i>Period</i>	<i>Organization</i>	<i>Scholarship – Distinction – Award</i>
2011 –	ACP/Copernicus/EGU	Editor at the international scientific journal Atmospheric Chemistry and Physics (IF: 5.5)
2010 –	Academy of Athens	Member of the Steering Committee of the Navarino Environmental Observatory (NEO), 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: physical, optical and chemical properties, transport dynamics/processes and meteorology interactions, investigation of their climatic role and impacts on health and ecosystems
2. Air quality: atmospheric gases and trace gases observations in the atmosphere, source-sinks/ photochemistry/ transport/ meteorology, Stratosphere-to-Troposphere Exchange
3. Climate change and synergistic interaction between different geophysical phenomena
4. Earth Observation (EO), innovative observational platforms (e.g. UAVs, low cost sensors, crowdsourcing) and smart city applications

B2. Experimental Experience – Other Skills

Wide experience in instrumentation and measurements technology of different observational platforms (in situ, ground-based active and passive remote sensing).

1. **Establishment, coordination or operation of stations:** Founder of NOA's urban super-site at Thessio-Athens (2013-current), founder and responsible of NOA's urban background site at Penteli Mt.-Athens (2008-2013), responsible for NEO's Atmospheric Station at Methoni (SE Peloponnesse), operation of part of the "Finokalia" EUSAAR-ACTRIS super site at Lasithi/Crete (2005-2006).
2. **Direct experience in instrumentation:** Trace gases measurements with conventional analyzers (O₃, NO, NO₂, NO_x, CO e.t.c.), 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) for the study of physical and chemical properties of aerosols, 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.
3. **Indicative national/international experimental campaigns:** (a) ISPEX Europe-wide citizen science campaign (2015), (b) CHARADMExp campaign - Characterization of Aerosol mixtures of Dust And Marine origin (2014), (c) ARGON campaign -Aerosol and TRace Gases Observational Campaign at NEO (2012), (d) ACEMED-Evaluation of CALIPSO's aerosol classification scheme over Eastern Mediterranean-airborne EUFAR campaign (2011), (e) International Experiment "March 2006 total solar eclipse" (2006).
4. **Other experience:** Aerosols, Trace Gases and Climate Processes Modeling – coordination of NOA's modeling group that operates among others COSMO-ART, WRF-Chem, CAMx.
5. **Other skills:** Techniques and methods of statistical analysis with emphasis in time series analyses, mathematical and statistical analyses software (e.g. Statistica), programming.

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 Stratosphere-Troposphere Exchange in a Changing Climate on Atmospheric Transport and Oxidation 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-	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	Co-ordinator 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 and the physico-chemical	OP "Thales", Ministry of	2012-2015	Researcher

	properties of fine and ultrafine particles that affect the regional climate of Greece	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	Co-ordinator 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	
28	Establishment of hydrometeorological in-situ sites at Hydroelectric Stations of the Hellenic Public Power Corporation	Hellenic Public Power Corporation	2014-2015	Principal Investigator for NOA, NOA budget 20 k€	
29	Implementation of measurements and analyses of environmental indices for "atmospheric quality" along the Egnatia Highway (N. Greece)	Egnatia S.A.	2015-2016	Co-ordinator Total budget 85 k€ NOA budget 57.3 k€	
30	ACTRIS II (Aerosols, Clouds, and Trace gases Research InfraStructure Network)	Horizon 2020	2015-2018	Researcher	
31	GEO-CRADLE - Coordinating and integRating state-of-the-art Earth Observation Activities in the regions of North Africa, Middle East, and Balkans and Developing	Horizon 2020	2016-2018	WP leader, Liaison Head Officer Co-ordinated by NOA Total budget 3.03 M€	

	Links with GEO related initiatives towards GEOSS			NOA budget 0.79 M€
32	SMURBS - SMart URBan Solutions for air quality, disasters and city growth	Horizon 2020 ERA-NET cofund	2017-2020	Co-ordinator Total budget 8.25 M€ NOA budget ~1.8 M€
33	IGOSP - Integrated Global Observing Systems for Persistent Pollutants	Horizon 2020 ERA-NET cofund	2017-2020	Principal Investigator for NOA Total budget 9 M€ NOA budget 171 k€
34	PIRAEUS AQ – Specialized measurements of atmospheric pollution in the extended area of Piraeus (with emphasis on the port area) – qualitative and quantitative sources apportionment	Programme Contract by Region of Attica	2017-2019	Co-ordinator Total NOA budget 89 k€
35	EMMISSION – Environmental monitoring integrated system using an IoT network	NSRF Research-Create-Innovate 2014-2020	2018-2020	Principal Investigator for NOA Total budget 820 k€, NOA budget 241 k€
36	PANACEA- Panhellenic infrastructure for atmospheric composition and climate change	NSRF Research-Create-Innovate 2014-2020	2018-2021	Principal Investigator for NOA Total budget 3.999.950,00 €, NOA budget 580 k€

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B4. Participation in Conferences

Periodical Participation

1. 3rd South-Eastern Europe Regional GEO Workshop, **Thessaloniki, Greece, June 2018.**
2. GEO-XIV Plenary, Group on Earth Observations, **Washington D.C., USA, October 2017.**
3. GEO-XIII Plenary, Group on Earth Observations, **Saint Petersburg, Russian Federation, November 2016.**
4. 10th GEO European Projects Workshop, (GEPW-10), **Berlin, Germany, June 2016.**
5. GEO-X Plenary, Group on Earth Observations, **Geneva, Switzerland, January 2014.**
6. European Aerosol Conference (EAC), **Thessaloniki 2008, Prague 2013.**
7. European Geophysical Union (EGU), **Vienna 2013, 2014, 2018.**
8. International Conference on Meteorology, Climatology and Atmospheric Physics (COMECAP) **Patras 2010 – session chairman, Athens 2012 – scientific committee - chairman, Heraklion 2014– scientific committee - chairman.**
9. 8th GEO European Projects Workshop (GEPW-8), **Athens 2014 – organizing committee - chairman.**
10. Joint Scientific Conference of the International Global Atmospheric Chemistry Project (IGAC) - Commission for Atmospheric Chemistry and Global Pollution (CACGP), **Crete 2002, Cape Town 2006.**
11. Atmospheric Composition Change the European Network of Excellence ACCENT Symposium, **Urbino, Italy, 2005, 2007.**

Other

1. Copernicus for Future Cities, **Brussels, Belgium, 9 November 2018, (invited).**
2. ECOCITY FORUM 2018 "Circular Economy in Smart Cities", **Thessaloniki, Greece 3-5 October 2018, (invited and key-note speaker).**
3. SmartStatistics4SmartCities Conference, under the auspices of the EU Eurostat, **Kalamata, Greece, 5-6 October, (invited).**
4. Mediterranean Climate Variability MEDCLIVAR 2016 Conference: Learning from the past, perceiving the present, engaging for the future, **Athens, 26-30 September 2016 – organizing, scientific and programe committees.**
5. 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, 10-11 June 2014 – organizing and scientific committees - chairman.**
6. 2nd South- Eastern Europe GEO Workshop on Integrating Earth Observation Data and Services for monitoring the Environment, protecting the citizens and stimulating the regional economic growth, **Athens 31 March – 1 April 2014 – Co-Organizer as Greek GEO Office Director, chairman.**
7. 7th International Conference on Air Quality - Science and Application (Air Quality 2009), **Istanbul, 24-27 March 2009.**
8. 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.**

9. European Academies Science Advisory Council (EASAC), Scoping Workshop on Biofuels, Royal Netherlands Academy of Arts and Sciences (KNAW), **Amsterdam, Netherlands, 27 March 2008 (invited)**.
10. First International Conference: From Deserts to Monsoons, Aldemar Knossos Royal Village, **Crete, Greece June 1-6, 2008 (invited)**.
11. IX EMTE National-International Conference of Meteorology-Climatology and Atmospheric Physics, **Thessaloniki, Greece, 28-31 May 2008**.
12. European Polar Consortium, European Science Foundation, Workshop on the role of Polar Regions on Global Climate Change, **Sofia, Bulgaria, 1-4 July 2007 (invited)**.
13. The Integrated Global Atmospheric Chemistry Observations Theme IGACO-Ozone and UV implementation workshop, **Anavyssos, Greece, 15-17 May 2006**.
14. 9th International Conference on Environmental Science and Technology, Global Network for Environmental Science and Technology Global Nest, **Rhodes Island, Greece, 1-3 September 2005**.
15. Seventh International Symposium - Natural Radiation Environment (NRE-VII), **Rhodes, Greece, 20-24 May 2002**.
16. European conference – Advances in nuclear physics and related areas, **Thessaloniki, Greece, 8-12 July 1997**.

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. Leibniz Institute for Tropospheric Research, Department of Physics, Section of Tropospheric Aerosols, Leipzig, Germany
5. Stockholm University, Dept. of Applied Environmental Science, Stockholm, Sweden
6. Bert Bolin Centre for Climate Research, Stockholm, Sweden
7. Georgia Institute of Technology, Atlanta-Georgia, USA
8. University of Athens, Dept. of Geology and Geoenvironment, Laboratory of Climatology & Atmospheric Environment, Athens, Greece
9. University of Athens, Dept. of Physics, Atmospheric Modeling and Weather Forecasting Group, Athens, Greece
10. University of Crete, Dept. of Chemistry, Environmental Chemical Processes Laboratory, Heraklion, Greece
11. University of Ioannina, Physics Dept., Laboratory of Meteorology, Ioannina, Greece
12. Aristotle University of Thessaloniki, Dept. of Physics, Laboratory of Atmospheric Physics, Thessaloniki, Greece
13. University of Patras, Dept. of Physics, Laboratory of Atmospheric Physics, Patras, Greece
14. Demokritos, Environmental Radioactivity Laboratory (ERL), Athens, Greece

B6. Teaching experience – Seminars

1. 2018: Seminar on “Exploitation of Earth Observation and Novel Observational Platforms for Smart City Applications”, Physics Department, National and Kapodistrian University of Athens, 24 May 2018.
2. 2015-present: MSc in Cultural Heritage Materials and Technologies, coordination and teaching of the course "Environmental and Remote Studies for Cultural Heritage", teaching in courses "Field Prospection and Computing Technologies for Cultural Heritage", and "Computing Practices: GIS, Statistical Analysis and Computing Aided Applications", (<http://culttech.uop.gr/>).
3. 2015-present: MSc in Space Science Technologies and Applications, coordination and teaching of the course "Earth System Science", teaching in course "Space Applications", (<http://space.uop.gr/>).
4. 2012: Seminar on "Eastern Mediterranean: Natural lab for gas and particulate pollution studies special features and impacts on regional climate" within the frame of MSC in Environmental Physics, Department of Physics National Kapodistrian University of Athens.
5. 2007: Seminar on "Climatic Impacts of Aerosols and GHGs" within the seminar series entitled "Evaluation and Adaptation Strategies for Natural Disasters" organized by the National Centre for Public Administration and Local Government and the UNESCO Chair for Natural Disasters.
6. 2006-2007: Teaching within the frame of the course entitled "Basics in Atmospheric Physics", Department of Geology and Geoenvironment, National Kapodistrian University of Athens.
7. 2004: Teaching 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”.
8. 1999-2003: Teaching and laboratory exercises within the frame of the Atomic and Nuclear Physics Laboratory, Physics Department, Aristotle University of Thessaloniki.

B7. Participation in Evaluation Committees

Member of Evaluation Committees for Professors-Researchers positions:

1. Prodromos Zanis (position: Professor, Geology Dept., AUTH – Member of the Special Evaluation Committee, 2018)
2. Konstantinos Kourtidis (position: Professor, Environmental Engineering Dept., DUTH – Member of the Special Evaluation Committee, 2016)
3. Dimitrios Balis (position: Professor, Physics Dept., AUTH – Member of the Special Evaluation Committee, 2016)
4. Tourpali Kleareti (position: Associate Professor, Physics Dept., AUTH – Member of the Special Evaluation Committee, 2016)
5. Prodromos Zanis (position: Associate Professor, Geology Dept., AUTH – Deputy member of the Special Evaluation Committee, 2013)
6. Kazantzidis Andreas (position: Assistant Professor, Physics Dept., University of Patras – External Evaluator, 2013)
7. Tourpali Kleareti (position: Assistant Professor, Physics Dept., AUTH – Member of the Special Evaluation Committee, 2013)
8. Chrysoulakis Nektarios (position: Research Director, IACM/FORTH – Deputy member of the Special Evaluation Committee, 2013)

Member of Supervising Committees of PhD Theses:

1. Orestis Speyer, *Study and assesment of vertical velocity impacts on aerosol-cloud interaction*, Chemistry Dept., University of Crete, (Dr. E. Gerasopoulos, Prof. M. Kanakidou, Prof. A. Nenes), 2016-present.
2. Gratsea Myrto, *Remote sensing techniques for the assessment of time and spatial distribution of Athens' urban pollution*, Chemistry Dept., University of Crete, (Dr. E. Gerasopoulos, Prof. N. Mihalopoulos, Dr. S. Kazadzis), 2014-present.
3. Raptis Panagiotis, *Methodologies on characterizing optical properties of Aerosols and Trace Gases, using spectral measurements of Solar Irradiance*, Physics Dept., National Kapodistrian University of Athens, (Prof. K. Chelms, Dr. S. Kazadzis, Dr. E. Gerasopoulos), 2014-present.
4. Paraskevopoulou Despina, *Correlation of chemical properties with optical and climatic parameters of aerosols in the area of Athens*, Chemistry Dept., University of Crete, (Prof. N. Mihalopoulos, Dr. E. Gerasopoulos, Prof. M. Kanakidou), 2009-2014.

Member of Evaluation Committees of PhD Theses:

1. Gloria Titos, *Characterisation of atmospheric aerosol particles using in-situ techniques: optical, chemical and hygroscopic properties*, Department of Applied Physics, University of Granada, Spain, supervisor Prof. Alados Arboledas, 2014.
2. Kokkalis Panagiotis, *Study of tropospheric aerosols with ground-based and space-borne techniques, through statistical analysis of the retrieved aerosol optical properties*, Faculty of Applied Mathematics and Natural Sciences, National Technical University of Athens, supervisor Prof. Alexandros Papagiannis, 2014.
3. Dermitzaki Irini, *Study of the impact of distinct pollution sources on tropospheric ozon and on the energy balance of the atmosphere over Greece by using ground and satellite based observations and 3-d numerical modeling*, Chemistry Dept., University of Crete, supervisor Prof. Maria Kanakidou, 2010.
4. Mamouri Elissavet, *Remote sensing of the atmosphere using lidar techniques and satellite sensors: experiments and simulations. Application in aerosols, ozone and water vapor and their role in global change in the eastern Mediterranean area*, Faculty of Applied Mathematics and Natural Sciences, National Technical University of Athens, supervisor Prof. Alexandros Papagiannis, 2009.
5. Kalivitis Nikolaos, *Physical properties of aerosol particles affecting climate in the eastern Mediterranean atmosphere*, Chemistry Dept., University of Crete, supervisor Prof. Maria Kanakidou, 2008.
6. Sfakianaki Maria, *Formation and climatic impact of aerosols in the East Mediteranean – a study based on satellite retrievals*, Chemistry Dept., University of Crete, supervisor Prof. Maria Kanakidou, 2007.

Supervisor of MSc Theses:

1. Dimitrios Mitsos, *Chemical Characterization of Black Crust on Historic Monuments and Link to Air Pollution: the Case of Cipollino Marble*, MSc in Cultural Heritage Materials and Technologies, 2016.
2. Arezina Sakka, *Study of the Spatial Differentiation of Antiquities' Exposure to Aerosols in Greece, using Space-Borne Remote Sensing*, MSc in Cultural Heritage Materials and Technologies, 2016.

3. Odysseas Vlachopoulos, *Synergy of Earth Observations with other smart, monitoring platforms (e.g. UAVs) for precision farming: The case of vineyards in Greece*, MSc in Space Science Technologies and Applications, 2017.

Other

1. Member of the Evaluation Team of the 5th GEOSS Evaluation
2. Member of the Evaluation Team of the 6th (final) GEOSS Evaluation

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.
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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., Allakhverdiev 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., Zarmpas P., Liakakou E., Gerasopoulos E., and Mihalopoulos N., Four-year monitoring of PM_{2.5} and PM₁₀ fractions of particulate matter and ionic composition in Athens, Greece, **8th International Conference on Air Quality 2012**, Athens, Greece, 19-23 March 2012.
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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.
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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.
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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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102. Richter A., Gratsea M., Wittrock F., Burrows J.P., Vrekoussis M., and Gerasopoulos E., Spatial and temporal variability in Athens observed by MAX-DOAS, **EGU - European Geosciences Union General Assembly 2014**, 2014-6380, AS3.12, Vienna, 27/4-2/5 2014.

103. Amiridis, V., Solomos, S., Tsekeri, A., Marinou, E., Kazadzis, S., Gerasopoulos, E., Herekakis, T., and Kontoes, C., Atmospheric hazards monitoring and forecasting, **1st International GEOMAPPLICA Conference 2014**, Skiathos Island, Greece, 09/2014.
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112. Theodosi, C., Tsagkaraki, M., Zarmas, P., Paraskevopoulou, D., Nicolaou, P., Liakakou, E., Lianou, M., Gerasopoulos, E., and Mihalopoulos, N., Chemical composition and mass closure of ambient aerosol in an urban environment over Athens, Greece: The role of wintertime biomass burning on air pollution levels, **European Aerosol Conference (EAC) 2016**, Tours, France, 4-9 September, 2016.
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114. Theodosi, C., Tsagaraki, M., Zarmas, P., Nicolaou, P., Paraskevopoulou, D., Liakakou, E., Lianou, M., Gerasopoulos, E. and Mihalopoulos, N., Aerosol chemical mass closure in Athens, Greece: towards a better understanding of the seasonal variation of aerosol sources in the area, **13th International Conference on Meteorology, Climatology and Atmospheric Physics COMECAP 2016**, Thessaloniki, Greece, 19-21 September 2016.
115. Gerasopoulos, E., Gratsea, M., Liakakou, E., Lianou, M., Psiloglou, B., Kappos, N., Kambezidis, H., and Mihalopoulos, N., An overview of biomass burning impacts on Athens air quality and analysis of its increasing significance, **13th International Conference on**

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116. Tsekeri, A., Amiridis, V., Lopatin, A., Marinou, E., Pikridas, M., Sciare, J., Gerasopoulos, E., Liakakou, E., Baars, H., Kottas, M., Kokkalis, P., Raptis, P.I., Solomos, S., Biniotoglou, I., Mihalopoulos, N., Engelmann, R., Wandinger, U., Ansmann, A., Dubovik, O., and Nenes, A., Aerosol vertical profiling utilizing the synergy of lidar, sunphotometry and in-situ measurements in the framework of the ACTRIS-2 campaign in Athens, **13th International Conference on Meteorology, Climatology and Atmospheric Physics COMECAP 2016**, Thessaloniki, Greece, 19-21 September 2016.
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 119. Raptis, P.I., Kazadzis, S., Kouremeti, N., Mihalopoulos, N., Amiridis, V., and Gerasopoulos, E., Actinometric platform for solar spectral and air quality measurements, **13th International Conference on Meteorology, Climatology and Atmospheric Physics COMECAP 2016**, Thessaloniki, Greece, 19-21 September 2016.
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 121. Tsekeri, A., Amiridis, V., Lopatin, A., Marinou, E., Giannakaki, E., Pikridas, M., Sciare, J., Liakakou, E., Gerasopoulos, E., Duesing, S., Corbin, J.C., Gysel, M., Bukowiecki, N., Baars, H., Engelmann, R., Wehner, B., Kottas, M., Mamali, D., Kokkalis, P., Raptis, P.I., Stavroulas, I., Keleshis, C., Müller, D., Solomos, S., Biniotoglou, I., Mihalopoulos, N., Papayannis, A., Stachlewska, I.S., Igloffstein, J., Wandinger, U., Ansmann, A., Dubovik, O., Goloub, P., (2017) Aerosol absorption profiling from the synergy of lidar and sun-photometry: The ACTRIS-2 campaigns in Germany, Greece and Cyprus, EPJ Web of Conferences Volume 176, 13 April 2018, Article number 08005, **28th International Laser Radar Conference, ILRC 2017**, Bucharest, Romania, 25-30 June 2017
 122. Athanasopoulou, E., Protonotariou, A., Papangelis, G., Tombrou, M., Mihalopoulos, N., Gerasopoulos, E., Long-range transport of Saharan dust and chemical transformations over the Eastern Mediterranean, **European Geosciences Union (EGU) General Assembly 2018** Vienna, Austria, 8-13 April 2018.
 123. Vlahopoulos, O., Kosmopoulos, P., Kazadzis, S., Gerasopoulos, E., Photosynthetically active radiation climatology in Greece for optimal vineyard planning and exploitation, **3rd joint EARSeL LULC & NASA LCLUC Workshop (in conjunction with the 38th Annual EARSeL Symposium)**, Chania, Crete, 9-12 July 2018.
 124. Bougiatioti A., Stavroulas, I., Paraskevopoulou, D., Grivas, G., Zarmpas, P., Liakakou, E., Gerasopoulos, E., and Mihalopoulos N., Source apportionment and variability of submicron organic aerosol from year-long near real-time measurements over an urban Mediterranean area., **10th International Aerosol Conference (IAC 2018)**, Saint Louis, Missouri, USA, 2-7 September 2018.
 125. Bougiatioti A., Stavroulas, I., Paraskevopoulou, D., Grivas, G., Zarmpas, P., Liakakou, E., Gerasopoulos, E., and Mihalopoulos N., Sources, seasonal variability and geographical origin of submicron organic aerosol from high resolution measurements throughout a year in Athens,

- Greece., **Joint 14th iCACGP Quadrennial Symposium/15th IGAC Science Conference**, Takamatsu, Kagawa, Japan, 25-29 September 2018.
126. Mihalopoulos, N., Amiridis, V., Eleftheriades, K., Gerasopoulos, E., Kanakidou, M., Kalivitis, N., Kouvarakis, G., Mylonaki, M., Papayannis, A., Soupiona, O., Burrows, J.P., and the EMERGE group, 2018: First results from the EMERGE-Greece campaign by the PANACEA network in April 2018, **Joint 14th iCACGP Quadrennial Symposium/15th IGAC Science Conference**, Takamatsu, Kagawa, Japan, 25-29 September 2018.
 127. Paraskevopoulou, D., Bougiatioti, A., Stavroulas, I, Fang, T., Liakakou, E., Gerasopoulos E., Weber, R, Nenes, A., Mihalopoulos N., 2018: Sources and variability of oxidative potential of fine particulate matter over an urban background site in Athens, Greece, **Joint 14th iCACGP Quadrennial Symposium/15th IGAC Science Conference**, Takamatsu, Kagawa, Japan, 25-29 September 2018.
 128. Metaxatou A., Kouvarakis, G., Theodosi, C., Maneas, G., Kalivitis, N., Stavroulas, I., Liakakou, E., Gerasopoulos, E., and Mihalopoulos, Navarino Environmental Observatory: Part I Long-term variability of aerosol optical properties, **14th International Conference on Meteorology, Climatology and Atmospheric Physics, COMECAP 2018**, Alexandroupolis, Greece, 15-17 October 2018.
 129. Tsagkaraki, M., Theodosi, C., Metaxatos, A., Zampas, P., Grivas, G., Liakakou, E., Gerasopoulos, E., and Mihalopoulos, 2018: Navarino Environmental Observatory: Part II Chemical composition and sources of aerosols, **14th International Conference on Meteorology, Climatology and Atmospheric Physics, COMECAP 2018**, Alexandroupolis, Greece, 15-17 October 2018.
 130. Liakakou, E., Psiloglou, B., Roukounakis, N., Kappos, N., Valkouma, T., and Gerasopoulos, E., Air Quality measurements along Egnatia Odos, in Northern Greece: Levels, diurnal patterns and contribution of sources for selected locations of open motorway, tolls and tunnels, **14th International Conference on Meteorology, Climatology and Atmospheric Physics, COMECAP 2018**, Alexandroupolis, Greece, 15-17 October 2018.
 131. Speyer, O., Athanasopoulou, E., Gerasopoulos, E., and Nenes, A., Effect of increased domestic biomass burning on Cloud Condensation Nuclei (CCN) activity and microphysics in an urban environment, **14th International Conference on Meteorology, Climatology and Atmospheric Physics, COMECAP 2018**, Alexandroupolis, Greece, 15-17 October 2018.
 132. Bougiatioti A., Stavroulas I., Paraskevopoulou D., Grivas G., Liakakou E., Gerasopoulos E., and Mihalopoulos N., “Fat Thursday” (Tsiknopempti) as an important source of Organic Aerosol in the urban environment of Athens, **European Aerosol Conference – EAC 2019**, Gothenburg, Sweden, 25-30 August 2019
 133. Stavroulas I., Liakakou E., Grivas G., Mihalopoulos N., and Gerasopoulos E., Characterization of atmospheric pollution at the major Greek port city of Piraeus, **European Aerosol Conference – EAC 2019, Gothenburg**, Sweden, 25-30 August 2019.
 134. Maneas G., Holmgren K., Berg H., Destouni D., Gerasopoulos E., Hansson HC, Karakousis V., Krejci R., Manzoni S., Papatsoni M. and Zerefos C., Assessing Long Term Environmental Impacts: The role of Observatory Science. The case of Navarino Environmental Observatory (NEO), Messinia, Greece. **Joint Conference EBC-VII & ISEB-2018**, Chania, Crete, Greece, 25-28 June, 2018.

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".
3. Gerasopoulos E., Liakakou E., Psiloglou B., Lianou M., Mihalopoulos N., Solomos S., Marinou E., Amiridis V., Kontoes C., "Airborne concentrations of gas and particle pollutants over the greater Athens area after the fire accident at the recycle factory of Aspropyrgos", Environmental Impact Assessment Report prepared by NOA on behalf of the Region of Attica, Directorate of Environment, PART 1 "In situ measurements", June 2015.
4. Gerasopoulos E., Solomos S., Liakakou E., Psiloglou B., Lianou M., Mihalopoulos N., Marinou E., Amiridis V., Kontoes C., "Airborne concentrations of gas and particle pollutants over the greater Athens area after the fire accident at the recycle factory of Aspropyrgos", Environmental Impact Assessment Report prepared by NOA on behalf of the Region of Attica, Directorate of Environment, PART 2 "Chemical analysis and numerical modeling", July 2015.
5. Gerasopoulos E., Liakakou E., Psiloglou B., Roukounakis, N., Antoniadis, A., Terzopoulou, E., Valari, M., Goutsikostas, D., "Implementation of measurements and analyses of environmental indices for "atmospheric quality" along the Egnatia Highway (N. Greece)", 1st Technical Report on winter measurements campaign and carbon footprint estimation methodology, December 2015.
6. Gerasopoulos E., Liakakou E., Psiloglou B., Roukounakis N., Gratsea M., Antoniadis, A., Terzopoulou, E., Valari, M., Goutsikostas, D., "Implementation of measurements and analyses of environmental indices for "atmospheric quality" along the Egnatia Highway (N. Greece)", 2nd Technical Report on summer measurements campaign, carbon footprint software and environmental indices, August 2016.

D. Recognition of Scientific & Research Work

D1. Citations, Impact Factors και h-index

88 (94 in Scopus) publications in peer reviewed journals and 134 publications in conferences (w or w/o proceedings), symposia etc.

- Journals Average Impact Factor ($\Sigma[N_{pub} * IPP / TotN_{pub}]$): **>3**
- Total citation record 3014 (2717 by 3rd parties), 32.76 per item, h-index 34 (*h-index 36 in Scopus*)

{source: WOS-ISI, Feb 2020}

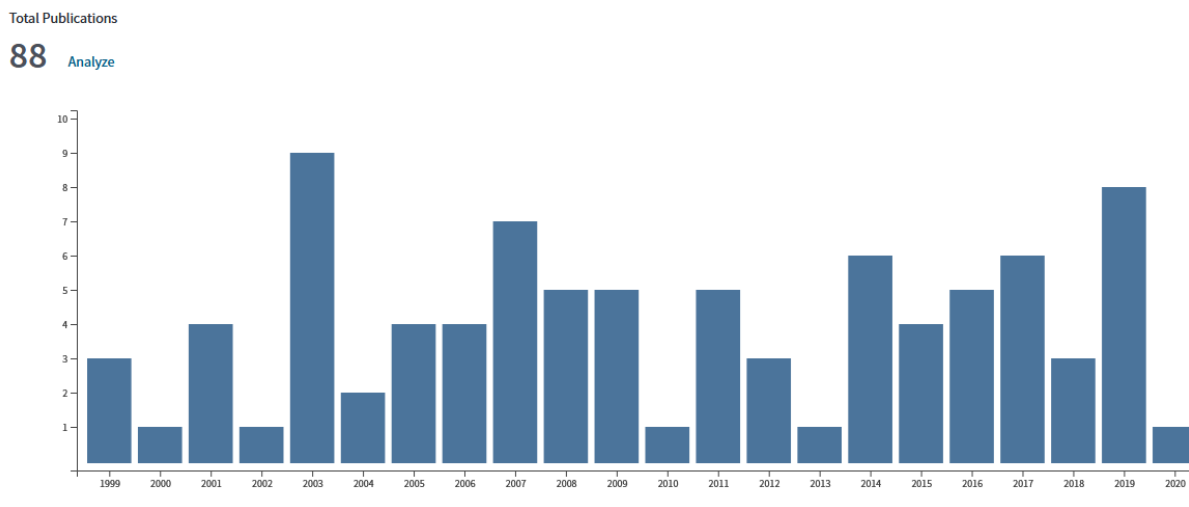


Figure 1: Publications per year (source: WOS-ISI, Feb 2020)

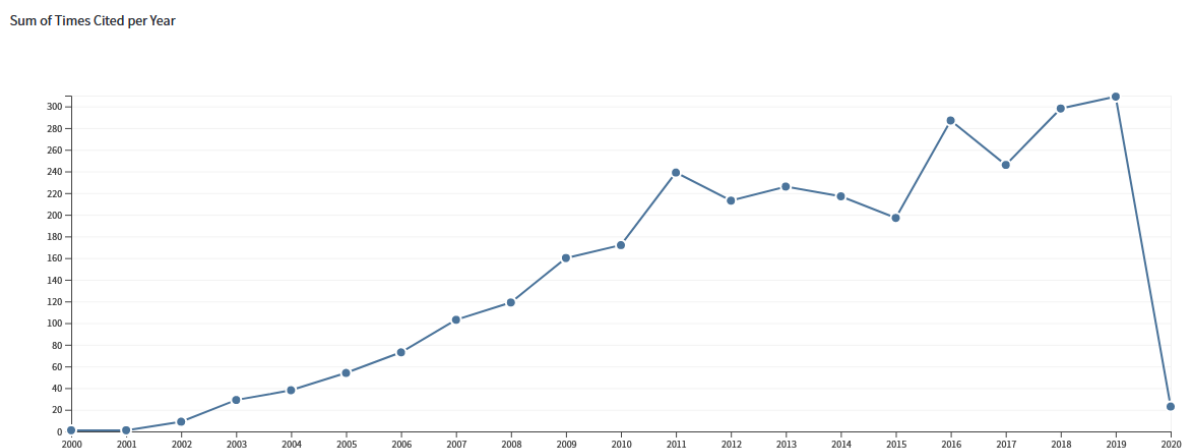


Figure 2: Total citations per year (source: WOS-ISI, Feb 2020)

D2. Invitations – Delegations

1. Copernicus for Future Cities, Brussels, Belgium, **(9 November 2018)**.
2. ECOCITY FORUM 2018 "Circular Economy in Smart Cities", Thessaloniki, Greece **(3-5 October 2018)**.
3. SmartStatistics4SmartCities Conference, under the auspices of the EU Eurostat, Kalamata, Greece, **(5-6 October)**.
4. Invited talk in the “International Day of Light - UNESCO”, Athens, Greece, talk title “Extinguishing Light: The Effect of Sun’s eclipse on Earth”, **(16 May 2018)**.
5. Invited talk in the “1st Conference of City Network-Sustainable City”, Athens, Greece, talk title: “SMURBS project- smart city solutions”, **(1 November 2017)**.
6. Invited talk in the “21st European Forum on Eco-Innovation, “Eco-innovation for air quality”, EC DG-ENV, Sofia, Bulgaria, delivered by Dr. Athanasopoulou, **(5-6 February 2018)**.
7. National delegate at the XIV Plenary Session of GEO (GEO-XIV), Washington, U.S.A. **(23-27 October 2017)**
8. National delegate at the XIII Plenary Session of GEO (GEO-XI), St Petersburg, Russia **(7-10 November 2016)**
9. Invited talk and panelist in Copernicus Atmosphere Monitoring Service (CAMS) General Assembly, talk title "The Greek GEO Office and regional ongoing activities projects", Athens, **14-16 June 2016**.
10. National delegate at the XI Plenary Session of GEO (GEO-XI), Geneva, Switzerland **(13-14 November 2014)**
11. Invited talk in the Workshop "Smog pollution. The chronicle of untargeted choices: mistakes, consequences, solutions", talk 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**.
12. National delegate at the Plenary Meeting of the European Polar (EPB) Board of the European Science Foundation (ESF), Brussels, **15 October 2009**.
13. Invited talk in the First International Conference: From Deserts to Monsoons, Aldemar Knossos Royal Village, Crete, Greece, **1-6 June 2008**.
14. Invited talk in "World Environment Day", title "Climate Change: change your habits – towards a low carbon emissions economy", Foundation of the Hellenic World, **5 June 2008**.
15. Invited participation in European Academies Science Advisory Council (EASAC), Scoping Workshop on Biofuels, Royal Netherlands Academy of Arts and Sciences (KNAW), Amsterdam, Netherlands, **(27 March 2008)**, appointed by the Academy of Athens).
16. Invited talk in Workshop "Environment and Sustainable Development", Rotary of Pallini, EXPO Athens, **21 October 2007**.
17. Invited participation in the Workshop on the role of Polar Regions on Global Climate Change, European Polar Consortium, European Science Foundation, Sofia, Bulgaria, **1-4 July 2007**.
18. NEO Climate Change – session moderation
19. KEΔE City Challenge Crowdhackathon #Smartcity 2, mentoring, **June 2018**
20. KEΔE City Challenge Crowdhackathon #Smartcity 3, reviewer, **10-12 May 2019**

D3. Member in Editorial Boards of International Scientific Journals

1. Editor in Atmospheric Chemistry and Physics, EGU-Copernicus Pubs (IF-5y: 5.6)
(http://www.atmospheric-chemistry-and-physics.net/general_information/editorial_and_advisory_board.html).
2. Aegean Journal of Environmental Sciences (AEJES), forum for postgraduate (M.Sc. and Ph.D.) students' research publication
(<http://www.env.aegean.gr/aegean-journal-of-environmental-sciences/>).
3. Editor in Special Issue "CHemistry and AeRosols Mediterranean EXperiments (ChArMEx) (ACP/AMT inter-journal SI), jointly organized between Atmospheric Chemistry and Physics and Atmospheric Measurement Techniques journals
(http://www.atmos-chem-phys.net/special_issue334.html).

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, International Journal of Digital Earth.

D5. Book Reviewer

2015: Critical reviewer of the book entitled "Atmospheric technologies" (ISBN: 978-960-603-279-0) in the frame of the action "Hellenic Academic Ebooks - Kallipos", National Technical University of Athens.

D6. Projects Evaluator - Reviewer

Evaluations assigned by:

European Facility for Airborne Research (EUFAR)

King Fahd University of Petroleum and Minerals (KFUPM)

University of Ioannina (UoI, Greece)

State Scholarships Foundation (IKY)

NASA (in the frame of Interdisciplinary Science for Eclipse 2017)

FCT