

Eleni Athanasopoulou

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National and Kapodistrian
University of Athens (NKUA),
Greece

Curriculum Vitae

Athens, Greece
January 2019

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PROFILE – EDUCATION - SKILLS

1. PERSONAL INFORMATION



Job Address	Institute of Environmental Research and Sustainable Development, National Observatory of Athens (NOA), Lofos Koufou, GR 152 36, P. Penteli, Athens, Greece
Home Address	Granikou 67, P.O. Box 162 33, Athens, Greece
Telephones	(+30) 210-, 8109170, 7649708 Mobile: 6974465168
E-mail	eathana@noa.gr ; eathana@gmail.com
Web-site	http://apcg.meteo.noa.gr/
Nationality	Greek
Date / Place of birth	31 March, 1976 / Athens, Greece
Marital status	Married – 1 child

2. SHORT CV

Dr. Eleni Athanasopoulou studied geology at the National and Kapodistrian University of Athens (NKUA), from which she received her M.Sc. in Environmental Physics and her Ph.D. in Atmospheric Physics (Physics Dept.).

She has worked as a postdoctoral researcher at the Karlsruhe Institute for Technology (KIT, Karlsruhe, Germany), at the NKUA, under a collaborative project (post-doc grant) with the University of Manchester (UMAN, U.K.), and she is a research fellow at NOA since 2011, as a core member of the Atmospheric Physics and Chemistry Group (APCG).

Her research focuses on: numerical simulations of atmospheric processes mainly in the Mediterranean region, atmospheric aerosol and interactions with meteorology/climate, parameterization of natural aerosol emissions and interaction with anthropogenic pollutants and meteorology/climate, secondary organic aerosol model development and interactions with meteorology/climate over Europe.

She has participated in 18 research projects, published 11 articles (8 as first author) in international peer-reviewed journals and 24 conference abstracts. She has been a contract lecturer (2017-2018) for the undergraduate course "Atmospheric Pollution", at the Physics Dept, University of Patras (Greece).

3. EDUCATION

2004 - 2009	Ph.D. Atmospheric Physics, Environmental Physics & Meteorology Division, Physics Department, NKUA, Athens, Greece
2000 - 2003	M.Sc. Environmental Physics, Environmental Physics & Meteorology Division, Physics Department, NKUA, Athens, Greece
1994 - 2000	B.Sc. Geology, Geology Department, NKUA, Athens, Greece

4. GRANTS

2018 - now	Bridging Regional to City-Scale Air Quality Modeling for Athens – RECLAiM, Computational time grant from the Greek Research & Technology Network (GRNET) in the National HPC facility – ARIS, <u>Contractor</u> : IERSD/NOA, <u>Role</u> : PI.
2017	AirQuality for Athens –towards Integrated Services of Chemical Weather Forecast – AQ4ATH, Computational time grant from the Greek Research & Technology Network (GRNET) in the National HPC facility – ARIS, <u>Contractor</u> : IERSD/NOA, <u>Role</u> : PI.
2016	Atmospheric Chemistry and Radiative forcing assessment of recent pollution episodes over Athens, Greece –ACRA, Computational time grant from the Greek Research & Technology Network (GRNET) in the National HPC facility – ARIS, <u>Contractor</u> : IERSD/NOA, <u>Role</u> : PI
2015	Near Real-time simulations of Air quality over the greater Athens area, Greece – NeRAirA, Computational time grant from the Greek Research & Technology Network (GRNET) in the National HPC facility – ARIS, <u>Contractor</u> : IERSD/NOA, <u>Role</u> : PI
2012 – 2015	Post-Doctoral scholarship (Action: Support of Postdoctoral Researchers), co-Financed by the European Union and the Greek State
2005 – 2008	Ph.D. scholarship (PENED2003) co-financed by E.U.-European Social Fund and the Greek Ministry of Development- GSRT .

5. COMPUTING SKILLS

2000 - now	Experience with coding in Fortran , Unix/Linux environments, usage of analysis tools (matlab , cdo) and visualization software packages (ncl , grads).
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6. LANGUAGES

Mother tongue	Greek
Other languages	English (Proficiency diploma) Spanish (medium level) French (basic level) German (basic level)

WORK EXPERIENCE

1. PROFESSIONAL EXPERIENCE

2011- now	Postdoctoral Researcher , <i>Group of Atmospheric Physics and Chemistry</i> , Institute of Environmental Research and Sustainable Development (IERSD) & Institute for Astronomy, Astrophysics, Space Applications and Remote Sensing (IAASARS), NOA , Athens, Greece
Oct. 2017 – Mar. 2018	Contract Lecturer , Division of Energy and Environment, Physics Department, University of Patras (UPATRAS), Patra, Greece
2012 – 2015	Postdoctoral Researcher , Collaboration between Division of Environmental Physics & Meteorology, Department of Physics, NKUA , Athens, Greece and School of Earth, Atmosphere and Environmental Sciences, UMAN , Manchester, United Kingdom.

- 2010 – 2011 | **Postdoctoral Researcher**, *Group of Aerosols Trace gases and Climate processes*, Institute for Meteorology and Climate research – Troposphere research, **Karlsruhe Institute of Technology (KIT)**, Karlsruhe, Germany
- 2003 – 2010 | **Postgraduate & Postdoctoral Researcher**, *Group of Numerical applications in the atmosphere*, Division of Environmental Physics & Meteorology, Department of Physics, **NKUA**, Athens, Greece

2. OTHER EXPERIENCE

- 2018 - now | Participation in the update of the official website of SMURBS H2020 project www.smurbs.eu, *Institute of Environmental Research and Sustainable Development*, NOA, Athens, Greece
- 2012 - now | Participation in the development, maintenance and update of the website <http://apcg.meteo.noa.gr/>, *Group of Atmospheric Physics and Chemistry*, Institute of Environmental Research and Sustainable Development, NOA, Athens, Greece (voluntary work)
- 2009 - now | Greek translation of English scientific articles, *World Wide Fund for Nature* <http://www.wwf.gr/en/>, *National Electronic Newspaper* <http://tvxs.gr/> (voluntary work)
- Summer 2004 | Volunteer for the organization of the *Olympic Games 2004*, Athens, Greece
- Summer 1998 | Undergraduate internship, *Institute of Geological and Mineral Research*, Athens, Greece

RESEARCH EXPERIENCE

1. RESEARCH ACTIVITY

Eleni has a continuous research activity on atmospheric processes since 2001, developing and using state-of-the-art aerosol models. She has been involved in 14 distinct research topics conducted under collaboration with acknowledged research groups in 4 Institutes/Universities (NKUA, KIT, UMAN, NOA).

1. 01/09/2017 - now | **City scale air quality model applications over Athens urban area**, *Institute of Environmental Research and Sustainable Development*, NOA, Athens, Greece
2. 01/06/2017 - now | **The indirect effects of residential wood burning smog: cloud formation**, *Institute of Environmental Research and Sustainable Development*, NOA, Athens, Greece
3. 01/12/2016 – 31/05/2017 | **Dust impact on surface solar irradiance assessed with model simulations**, *Institute of Environmental Research and Sustainable Development & Institute for Astronomy, Astrophysics, Space Applications and Remote Sensing*, NOA, Athens, Greece
4. 01/03/2013 – 31/08/2017 | **Changes in the domestic heating fuel: effects on atmospheric chemistry and meteorology over Greece**, *Group of Atmospheric Physics and Chemistry*, Institute of Environmental Research and Sustainable Development, NOA, Athens, Greece
5. 01/06/2015 – 30/11/2016 | **Near real-time simulations of air quality over the greater Athens area, Greece – NeRAirA**, *Institute of Environmental Research and Sustainable Development*, NOA, Athens, Greece

6. 23/03/2012 – 22/03/2015 **Chemical and physical processes of atmospheric Aerosol over the Aegean Sea during Etesian and Saharan events**, *School of Earth, Atmosphere and Environmental Sciences, UMAN, UK & Division of Environmental Physics & Meteorology, Department of Physics, NKUA, Athens, Greece*
7. 01/10/2015 – 03/12/2015 **1897 – 2015: Droughts in Greece**, *Institute of Environmental Research and Sustainable Development, NOA, Athens, Greece*
8. 01/10/2011- 01/03/2014 **Numerical simulations of the impact of wild fire cases on air quality and radiation over Greece**, *Institute of Environmental Research and Sustainable Development, NOA, Athens, Greece & Group of Aerosols Trace gases and Climate processes, Institute for Meteorology and Climate research – Troposphere research, Karlsruhe Institute of Technology, Germany*
9. 01/10/2010 - 30/09/2011 **Numerical simulations of the impact of secondary organic aerosols (SOA) on the state of the atmosphere**, *Group of Aerosols Trace gases and Climate processes, Institute for Meteorology and Climate research – Troposphere research, Karlsruhe Institute of Technology, Germany*
10. 01/12/2009 – 30/09/2010 **Coupling of the regional air quality model CAMx with the regional meteorological model WRF and the global air quality model GEOS-CHEM**, *Group of Numerical applications in the atmosphere, Division of Environmental Physics & Meteorology, Department of Physics, NKUA, Athens, Greece*
11. 2008 - 2010 **Parameterizations of road and soil dust emissions in the aerosol model CAMx: interactions with anthropogenic gaseous pollution over the greater Athens urban area**, *Group of Numerical applications in the atmosphere, Division of Environmental Physics & Meteorology, Department of Physics, NKUA, Athens, Greece*
12. 2005 - 2008 **The incorporation of sea-salt emission algorithms in photochemical simulations: heterogeneous chemistry in the air quality of polluted coastal areas**, *Group of Numerical applications in the atmosphere, Division of Environmental Physics & Meteorology, Department of Physics, NKUA, Athens, Greece*
13. 2003 - 2005 **Study of the atmospheric aerosol sources and chemistry over the Greater Athens Area by the use of the photochemical model CAMx**, *Group of Numerical applications in the atmosphere, Division of Environmental Physics & Meteorology, Department of Physics, NKUA, Athens, Greece*
14. 2001 - 2002 **Air quality model (REMSAD) applications over the U.S.: Dominant sources of particulate matter and their effect on regional atmospheric pollution**, *Group of Numerical applications in the atmosphere, Division of Environmental Physics & Meteorology, Department of Physics, NKUA, Athens, Greece*

2. PARTICIPATION IN FUNDED RESEARCH PROJECTS

Eleni has participated in 18 research projects (in 8 as a postdoctoral researcher), 7 of which being European collaborative projects. Her role in all but 4 projects is related to numerical simulations of atmospheric processes.

1. 01/09/2017 – now	<p>ERA-PLANET SMURBS: SMart URBan Solutions for air quality, disasters and city growth <u>Funding:</u> Horizon 2020 (H2020) SC5-15-2015 under the ERA-PLANET grant agreement no 689443, <u>Contractor:</u> NOA, <u>Scientific Coordinator:</u> E. Gerasopoulos, <u>Position:</u> Postdoctoral Researcher, <u>Role:</u> member of the coordination team – member of the research team on city scale air quality modeling</p>
2. 08/03/2016 – 20/09/2017	<p>GEO-CRADLE - Coordinating and integRating state-of-the-art Earth Observation Activities in the regions of North Africa, Middle East, and Balkans and Developing Links with GEO related initiatives towards GEOSS <u>Funding:</u> Horizon 2020 (H2020) research and innovation programme under grant agreement No 690133, <u>Contractor:</u> NOA, <u>Scientific Coordinator:</u> H. Kontoes, <u>Position:</u> Postdoctoral Researcher, <u>Role:</u> Identification and documentation on the capabilities in the RoI on numerical modeling with respect to climate change, food security, energy potential, access to raw material – Participation in the development of the pilot on adaptation to climate change.</p>
3. 01/12/2015 – 31/01/2016	<p>ACTRIS 2– Aerosols, Clouds, and Trace gases Research InfraStructure Network <u>Funding:</u> H2020-INFRAIA-2014-2015, <u>Contractor:</u> NOA, <u>Scientific Coordinator:</u> N. Mihalopoulos, <u>Position:</u> Postdoctoral Researcher, <u>Role:</u> Quality control and data statistics on the physic-chemical properties of aerosol</p>
4. 01/11/2015 – 30/11/2015	<p>Assessing drought recurrence in EUR-OPA countries using nonlinear approach <u>Funding:</u> Earthquake Planning and Protection (EPPO), <u>Contractor:</u> NOA, <u>Scientific Coordinator:</u> E. Gerasopoulos, <u>Position:</u> Postdoctoral Researcher, <u>Role:</u> Statistical analysis of meteorological data towards assessing drought periods in Greece – Conduction of the report ‘Droughts in Greece’</p>
5. 15/05/2015 – 14/08/2015	<p>Synergistic and integrated approaches for developing and implementing specialized methodologies and tools for the surveillance, management and forecast of environmental parameters - "Thespia-Kripis" <u>Funding:</u> National Strategic Reference Framework (NSRF), Developmental proposals for research Institutes, <u>Contractor:</u> NOA, <u>Scientific Coordinator:</u> S. Kazadzis, <u>Position:</u> Postdoctoral Researcher, <u>Role:</u> Setup, configuration and application of the atmospheric model COSMO-ART in the NOA premises, towards assessing interactions between atmospheric aerosols and meteorological parameters</p>
6. 23/03/2012– 22/03/2015	<p>Supporting Postdoctoral Researchers / Education and Lifelong Learning <u>Funding:</u> European Social Fund (ESF) and the Greek State, <u>Contractor:</u> NKUA, <u>Scientific Collaborators:</u> Assoc. Prof. Maria Tombrou & Prof. Hugh Coe (collaboration with UMAN, U.K.), <u>Position:</u> Postdoctoral Researcher, <u>Role:</u> PI of the project titled: “Chemical and physical processes of atmospheric Aerosol over the Aegean Sea during Etesian and Saharan events”</p>

7. 01/11/2011-31/08/2012 Climate Local Information in the Mediterranean region: Responding to User Needs - “CLIM-RUN”
Funding: **FP7-ENV-2010**, Contractor: NOA, Scientific Coordinator: Paolo M. Ruti, Position: **Postdoctoral Researcher**, Role: **Application of the COSMO-ART model, towards assessing the chemical and climate implications of the wildfires 2007 in Peloponnese, Greece**
8. 01/01/2012 - 31/03/2012 Lidar Climatology of Vertical Aerosol Structure for Space-Based Lidar Simulation Studies – “LIVAS”
Funding: European Space Agency (ESA), Contractor: **NOA**, Scientific Coordinator: Dr. Vasilis Amiridis, Position: **Postdoctoral Researcher**, Role: **Quality control and lidar data statistics on the physic-chemical properties of aerosol**
9. 2007 - 2010 Environmentally Compatible Air Transport System-ECATS
Funding: **European Union**, Contractor: **NKUA**, Scientific Coordinator: Prof. D. Asimakopoulos, Position: **Researcher**, Role: **Optimizing airport and aircraft air pollution emissions**
10. 2008 - 2009 University Research Program ‘Kapodistrias’,
Funding: Special Account of Research Funds, Contractor: **NKUA**, Scientific Coordinator: Assoc. Prof. M. Tombrou, Position: **Researcher**, Role: **The identification of soil erosion effects on aerosol concentrations in the Greater Athens Area by applying the photochemical model CAMx**
11. 2005 - 2008 Generalized Framework and Applications for behaviour and intelligence evaluation of software agent in multi-agent systems (**PENED 2003**)
Funding: **Europe** and the Greek Ministry of Development-**GSRT**, Contractor: **NKUA**, Scientific Coordinator: Assoc. Prof. M. Tombrou, Position: **Granted Ph.D. student**, Role: **Development of emission parameterization schemes for sea-salt and dust aerosol production – numerical applications of the photochemical model CAMx – investigate the interactions between natural aerosol and anthropogenic pollutants**
12. 2005 - 2008 The effect of air transport on atmospheric pollution in local, regional and global scale (**PITHAGORAS II**)
Funding: Ministry of Education, Contractor: **NKUA**, Scientific Coordinator: Assoc. Prof. M. Tombrou, Position: **Researcher**, Role: **Application of a photochemical model to identify the role of air transport on the air pollution levels over Athens**
13. 2004 - 2005 University Research Program ‘Kapodistrias’,
Funding: Special Account of Research Funds, Contractor: **NKUA**, Scientific Coordinator: Assoc. Prof. M. Tombrou, Position: **Researcher**, Role: **Simulation of aerosol re-suspension in the Greater Athens Area**
14. 2004 - 2005 Economic and environmental assessment of the new highway road (AO) in the Greater Athens Area (GAA),
Funding: Attiki Odos A.E, Contractor: **NKUA**, Scientific Coordinator: Assoc. Prof. M. Tombrou, Position: **Researcher**, Role: **Incorporating air pollution emissions from the new highway of Athens into the emission inventory for Greece – application of the photochemical model CAMx towards assessing the impact of AO on the air pollution levels over GAA**

15. 2004 | Control optimization of the atmospheric pollution sources at the Greater Athens Area, Funding: Ministry of the Environment, Contractor: NKUA, Scientific Coordinator: Assoc. Prof. M. Tombrou, Position: **Researcher**, Role: **Application of a sensitivity study with the photochemical model CAMx, in order to identify the role of each source sector of aerosol pollution over GAA**
16. 2004 | Application of a dispersion model of gaseous emissions from the new industrial station I.F.A. at the island of Revithousa, Funding: Asprofos A.E, Contractor: NKUA, Scientific Coordinator: Assoc. Prof. M. Tombrou, Position: Researcher, Role: **Sensitivity studies using the photochemical model CAMx, in order to assess the impact of the station on the regional air pollution levels**
17. 2003 - 2004 | [Assessment and mapping of air pollution in the Greek territory](#), Funding: **Ministry of the Environment, Greece**, Contractor: HPC-PASECO Company, Scientific Coordinator: Assoc. Prof. M. Tombrou, Position: **Researcher**, Role: **Spatial distribution of representative atmospheric pollution conditions over Greece, using air quality simulations**
18. 2003 - 2004 | Integrated Computational Assessment of urban air quality via Remote Observation Systems network (**ICAROS-NET**), Information System Technology Program Funding: **European Union**, Contractor: NKUA, Scientific Coordinator: Dr. D. Sarigianis, Position: **Researcher**, Role: **Numerical simulations of atmospheric pollution over Greece**

3. PARTICIPATION IN SCIENTIFIC UNIONS

- 2009 - now | Hellenic Association of Aerosol Research (**HAAR**)
- June 2017 - now | Forum for air quality modelling in Europe (**FAIRMODE**)

4. LONG-TERM SCIENTIFIC COLLABORATIONS

1. 2010 - now | **Dr. Bernhard Vogel – Dr. Heike Vogel**, Group "Aerosols, Trace Gases and Climate Processes", Institute of Meteorology and Climate Research - Department Troposphere Research, **Karlsruhe Institute of Technology (KIT)**, Germany
Research topic: Atmospheric chemistry – interactions with meteorology/climate: numerical simulations over Germany, Europe, EM and Greece during characteristic events/periods
2. 2010 - now | **Dr. Dominik Brunner**, Group "Atmospheric Modelling and Remote Sensing", **Material Science and Technology (EMPA)**, Switzerland
Research topic: Air pollution emission inventories
3. 2013 - now | **Mr. Ulrich Sheatler, German Weather Service (DWD)**, Germany
Research topic: Numerical weather model configuration and data

4. 2012 - 2015 | Visitor as postdoctoral researcher at the School of Earth and Environmental Sciences, **University of Manchester (UMAN)**, U.K. under the supervision of **Prof. H. Coe** within the framework of the Action “Supporting Postdoctoral Researchers” of the Operational Program “Education and Lifelong Learning”, co-financed by the European Social Fund (ESF) and the Greek State.
Project title: “Chemical and physical processes of atmospheric Aerosol over the Aegean Sea during Etesian and Saharan events”
5. 2005 - 2009 | Ph.D. researcher under the supervision of **Prof. Armistead G. Russell, Georgia Institute of Technology (GATECH)**, USA, within the “Generalized Framework and Applications for behaviour and intelligence evaluation of software agent in multi-agent systems”
Research topic: Parameterizations of road and soil dust emissions in the aerosol model CAMx: interactions with anthropogenic gaseous pollution over the greater Athens urban area
6. 2004 - 2011 | Ph.D. researcher under the supervision of **Prof. Spyros Pandis, University of Patras, Greece**, within the “Generalized Framework and Applications for behaviour and intelligence evaluation of software agent in multi-agent systems”
Research topics: The numerical simulation of the interactions between sea-salt particles and anthropogenic pollution over polluted coastal areas & Incorporation of the VBS scheme for SOA formation in the atmospheric model COSMO-ART: applications over Europe and implications with meteorology/climate

TEACHING EXPERIENCE - SEMINARS

1. TEACHING EXPERIENCE

1. 10/2017 – 02/2018 | **Teaching the undergraduate course** “Atmospheric Pollution”, in the frame of the National-EU program “Gaining Academic Teaching experience”, Physics Department, **UPATRAS**, Greece
2. 2016 - now | **Co-teaching** in the course ‘Earth System Science’ of the **M.Sc. program** “Space Science Technologies and Applications” by the National Observatory of Athens (**NOA**) & the University of Peloponnese, (**UoP**), Greece.
3. 2004 - 2009 | **Co-teaching in undergraduate courses** at Laboratories of Atmospheric Physics, Department of Physics, **NKUA**, course titles: 'Meteorological Mast' and 'Wind Tunnel'

2. CO-SUPERVISION OF THESIS

1. 11-12/2017 | **Training** during the **Ph.D. internship** of Nassima Oucher (Dept. Environmental Engineering, National Polytechnic School, Algiers), for the “Numerical simulations of air pollution over Algeria”, under the official supervision of Dr. E. Gerasopoulos, **NOA**, Greece.
2. 10/2016 – 11/2017 | **Scientific guidance** during the **undergraduate thesis** of Faedra-Ekaterini Kozonaki, titled “The effect of a peri-urban, open-fire accident on the urban atmospheric pollution levels”, under the official supervision of Prof. M. Kanakidou, **University of Crete**, Greece.

3. Summer 2016 | **Scientific guidance** during the **undergraduate internship** of Faedra-Ekaterini Kozonaki, titled “The effect of a peri-urban, open-fire accident on the urban atmospheric pollution levels”, Institute for Environmental Research & Sustainable Development, **NOA**, Greece

3. SEMINARS

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| 1. 12/01/2018 | Invited talk for the M.Sc. program “Applied Meteorology and Environmental Physics”, Physics department, UPATRAS , Greece, titled: ‘Residential Wood Combustion in Greece: Impacts on air quality and interaction with radiation’ |
| 2. 13/3/2014 | Seminar titled ‘Atmospheric aerosol modeling – Applications over Greece’, for the yearly seminar cycle of the Institute for Environmental Research & Sustainable Development, NOA , Greece |
| 3. 13/11/2013 | Seminar titled ‘Atmospheric Physics and Chemistry Group towards an extended frame of collaboration between HNMS – NOA – AoA’ in the frame of the Memorandum of Understanding between NOA & HNMS |
| 4. 2011 | Seminar titled ‘Simulating secondary organic aerosol formation over Europe using the volatility basis-set approach in the online coupled model COSMO-ART’, for the yearly seminar cycle of the Institute for Meteorology and Climate Research - Troposphere Research, KIT , Germany |
| 5. 2007 | Course in the M.Sc. program “Environmental Physics and Meteorology”, Physics department, NKUA , Greece, course title: ‘Introduction for Atmospheric Aerosol’ |

SCIENTIFIC RECORDS - PUBLICATIONS

1. ARTICLES IN PEER REVIEWED JOURNALS¹

Eleni has published 11 scientific articles with 45 co-authors from 17 Research Institutes or Universities, in 8 of which being the first author. All articles involve the investigation of atmospheric processes using Eulerian models, 5 of which directly dealing with the implications of the interaction between aerosol and meteorology/climate. Her articles have so far received over 145 citations by 124 documents (130 non-self, 98 non-self for all authors). H-index: 5 (Scopus, September 2017).

1. Athanasopoulou, E., Speyer, O., Brunner, D., Vogel, H., Vogel, B., Mihalopoulos, N., and Gerasopoulos, E.: Changes in domestic heating fuel use in Greece: effects on atmospheric chemistry and radiation, *Atmos. Chem. Phys.*, 17, 10597-10618, <https://doi.org/10.5194/acp-17-10597-2017>, 2017.
2. Kosmopoulos, P. G., Kazadzis, S., Taylor, M., Athanasopoulou, E., Speyer, O., Raptis, P. I., Marinou, E., Proestakis, E., Solomos, S., Gerasopoulos, E., Amiridis, V., Bais, A., and Kontoes, C.: Dust impact on surface solar irradiance assessed with model simulations, satellite observations and ground-based measurements, *Atmos. Meas. Tech.*, 10, 2435-2453, <https://doi.org/10.5194/amt-10-2435-2017>, 2017. (6/6)

¹ Inside parentheses –in italics- are the citation numbers (*non-self-citation number / total citation number*). Source: Scopus and Google Scholar.

3. Athanasopoulou E., A. Protonotariou, G. Papangelis, M. Tombrou, N. Mihalopoulos, E. Gerasopoulos, Long-range transport of Saharan dust and chemical transformations over the Eastern Mediterranean, *Atmospheric Environment*, Volume 140, September 2016, Pages 592-604, ISSN 1352-2310, <http://dx.doi.org/10.1016/j.atmosenv.2016.06.041>, **2016**. (6/7)
4. Athanasopoulou, E., Protonotariou, A. P., Bossioli, E., Dandou, A., Tombrou, M., Allan, J. D., Coe, H., Mihalopoulos, N., Kalogiros, J., Bacak, A., Sciare, J., and Biskos, G.: Aerosol chemistry above an extended archipelago of the eastern Mediterranean basin during strong northern winds, *Atmos. Chem. Phys.*, 15, 8401-8421, [doi:10.5194/acp-15-8401-2015](https://doi.org/10.5194/acp-15-8401-2015), **2015**. (5/6)
5. Athanasopoulou E., D. Rieger, C. Walter, H. Vogel, A. Karali, M. Hatzaki, E. Gerasopoulos, B. Vogel, C. Giannakopoulos, M. Gratsea, A. Roussos: Fire risk, atmospheric chemistry and radiative forcing assessment of wildfires in eastern Mediterranean, *Atmospheric Environment*, Volume 95, October **2014**, Pages 113-125, ISSN 1352-2310, <http://dx.doi.org/10.1016/j.atmosenv.2014.05.077>. (6/9)
6. Athanasopoulou, E., Vogel, H., Vogel, B., Tsimpidi, A. P., Pandis, S. N., Knote, C., and Fountoukis, C.: Modeling the meteorological and chemical effects of secondary organic aerosols during a EUCAARI campaign, *Atmos. Chem. Phys.*, 13, 625-645, [doi: 10.5194/acp-13-625-2013](https://doi.org/10.5194/acp-13-625-2013), **2013**. (25/28)
7. Athanasopoulou, E., M. Tombrou, A. G. Russell, A. Karanasiou, K. Eleftheriadis, and A. Dandou.: Implementation of road and soil dust emission parameterizations in the aerosol model CAMx: Applications over the greater Athens urban area affected by natural sources, *J. Geophys. Res.*, 115, D17301, **2010**, [doi: 10.1029/2009JD013207](https://doi.org/10.1029/2009JD013207). (20/23)
8. Bossioli E., M. Tombrou, A. Dandou, E. Athanasopoulou, and C. Varotsos: The Role of Planetary Boundary-Layer Parameterizations in the Air Quality of an Urban Area with Complex Topography, *Boundary Layer Meteorology*, Vol. 131, p. 53-72, [DOI: 10.1007/s10546-009-9349-7](https://doi.org/10.1007/s10546-009-9349-7) , **2009**. (16/17)
9. Athanasopoulou E., M. Tombrou, S. N. Pandis, and A. G. Russell: The role of sea-salt emissions and heterogeneous chemistry in the air quality of polluted coastal areas, *Atmos. Chem. Phys.*, Vol. 8, p. 5755-5769, <https://doi.org/10.5194/acp-8-5755-2008>, **2008**. (58/61)
10. Athanasopoulou E., Bossioli E., and Tombrou M.: Modelling of aerosol in the Greater Athens Area, Greece, *Int. J. Environment and Pollution*, Vol. 24, Nos. 1/2/3/4, p. 230-246, <https://doi.org/10.1504/IJEP.2005.007395>, **2005**. (1/4)
11. Protonotariou, A., Bossioli, E., Athanasopoulou, E., Dandou, A., Tombrou, M., Flocas, H.A., Helmis, C.G., and Assimakopoulos, V.D.: Evaluation of CALPUFF modelling system performance: an application over the Greater Athens Area, Greece, *Int. J. Environment and Pollution*, Vol. 24, Nos.1/2/3/4, p. 22-35, <https://doi.org/10.1504/IJEP.2005.007382>, **2005**. (4/4)

Table of Impact Factors (Source: Official Journal Sites)

Scientific Journal	No of Articles	Impact Factor (year)
Atmospheric Chemistry and Physics	4	5.689 (IF 5-year)
Atmospheric Environment	2	4.042 (IF 5-year)
Atmospheric Measurement Techniques	1	3.650 (IF 5-year)
JGR-Atmospheres	1	3.38 (current online)
Boundary Layer Meteorology	1	2.607 (current online)
Int. J. Environment and Pollution	2	0.641 (IF 5-year)
Total	11	3.796

2. ARTICLES IN PREPARATION

1. Gerasopoulos E., Athanasopoulou E., et al., Impact of advection routes and local sources on the atmospheric composition at the Navarino Environmental Observatory (NEO, a new ACTRIS site in the E. Mediterranean).
2. Gerasopoulos E., Athanasopoulou E., et al., An overview of long-term (2011-2016) monitoring of residential wood burning effects on atmospheric composition in Greece
3. Speyer, O., Gerasopoulos, E., Athanasopoulou E. et al, Changes in domestic heating fuel use in Greece: effects on cloud condensation nuclei
4. Speyer, O., Gerasopoulos, E., Athanasopoulou E. et al, The simulation of atmospheric processes and climate implications over the E. Mediterranean during the PRE-TECT campaign (Spring 2017)

3. PARTICIPATION IN BOOK PUBLICATIONS

1. Athanasopoulou E., Speyer O., Apostolopoulou S., Papageorgiou S., Amiridis V. and Gerasopoulos E.: Near Real-Time Aerosol Predictions During the First Citizen Observatory Campaign in Greece, *Springer Atmospheric Sciences*, Theodore Karacostas et al. (Eds): Perspectives on Atmospheric Sciences, 978-3-319-35094-3, 395543_1_En, (118), DOI: [10.1007/978-3-319-35095-0_118](https://doi.org/10.1007/978-3-319-35095-0_118), 2016
2. Athanasopoulou E., Protonotariou A., Bossioli E., Allan J., Dandou A., Coe H., Bacak A., Kalogiros J., Mihalopoulos N., Biskos G. and Tombrou M. Spatial distribution of aerosol species over the Aegean Sea: model coupling and evaluation during a recent Etesian period. *C O M E C A P 2 0 1 4 e-book of proceedings* ISBN: [978-960-524-430-9](https://doi.org/10.1007/978-960-524-430-9), Vol 1 Pages 78-84, 2014.

4. PUBLICATIONS IN INTERNATIONAL CONFERENCES – SYMPOSIA²

Eleni has 24 publications in proceedings, posters and talks, 15 of which presented by herself. All publications are directly related to numerical simulations of atmospheric processes, 10 of which focusing on the interactions between aerosols and meteorology/climate.

1. Athanasopoulou E., Protonotariou A., Papangelis G., Tombrou M., Mihalopoulos N., Gerasopoulos E. (2018), Long-range transport of Saharan dust and chemical transformations over the Eastern Mediterranean, **EGU 2018**, 8-13 April, Vienna, Austria
2. Athanasopoulou E., O. Speyer, D. Brunner, H. Vogel, B. Vogel E. Gerasopoulos and N. Mihalopoulos, Residential wood combustion in Athens 2010: Impacts on air quality and atmospheric variables, **10th International Conference on Air Quality - Science and Application**, 14-18 March, **2016**, Milan, Italy.
3. Vogel B., E. Athanasopoulou, J. Förstner, T. Schad, D. Rieger, I. Kraut, H. Vogel, C. Walter: Dynamic aerosol in numerical weather forecast: nice to have or necessary?, **Symposium on Coupled Chemistry-Meteorology/Climate Modelling**, **2015**, WMO Headquarters, Geneva, Switzerland 23-25 February 2015, http://www.eumetchem.info/images/meetings/ccmm/Session_5b/Bernhard_Vogel_fv%20%281%29.pdf
4. Speyer O., Athanasopoulou E., Gerasopoulos E., Brunner D., Vogel H., and Vogel B.: Investigation of direct radiative effects of aerosols due to changes in domestic heating fuel, **Symposium on Coupled Chemistry-Meteorology/Climate Modelling**, **2015**, WMO Headquarters, Geneva, Switzerland 23-25 February 2015, http://www.eumetchem.info/images/meetings/ccmm/Session_2b/Speyer_23-2_2015.pdf
5. Vogel Bernhard, Eleni Athanasopoulou, Tobias Schad, Daniel Rieger, Isabel Kraut, Heike Vogel: Does natural and anthropogenic aerosol have an impact on numerical weather prediction?, **WWOSC 2014**, Montreal Canada, <https://mywwosc14.zerista.com/event/member/134982>
6. Athanasopoulou E., Protonotariou A., Bossioli E., Allan J., Dandou A., Coe H., Bacak A., Kalogiros J., Mihalopoulos N., Biskos G. and Tombrou M.: Spatial distribution of aerosol species over the Aegean Sea: model coupling and evaluation during a recent Etesian period **COMECAP International Conference**, 28– 31 May **2014**, Heraklion, Greece
7. Athanasopoulou E., A. Protonotariou, E. Bossioli, J. Allan, A. Dandou, G. Papangelis, H. Coe, A. Bacak, J. Kalogiros, N. Mihalopoulos, G. Biskos and M. Tombrou: Long range transport and chemical transformation of aerosols over the Aegean Sea during a recent Etesian period, , **EAC International Conference**, 1-6 September, **2013**, Prague, Czech Republic
8. Athanasopoulou E., D. Rieger, C. Walter, H. Vogel, B. Vogel and E. Gerasopoulos: Modeling the chemical and radiative effects of aerosol during the wildfires of 2007 in Greece, **EAC International Conference**, 1-6 September, **2013**, Prague, Czech Republic
9. Vogel Bernhard, Eleni Athanasopoulou, Max Bangert Andrew Ferrone Inga Gözl, Heike Vogel,, Corinna Hoose, Matthias Hummel, and Dominik Brunner: The impact of natural and anthropogenic aerosols on radiation and clouds simulated with the fully online coupled model system COSMO-ART, Geophysical Research Abstracts, Vol. 15, EGU2013-10685, **EGU General Assembly 2013**, <http://meetingorganizer.copernicus.org/EGU2013/EGU2013-10685.pdf>
10. Athanasopoulou E., E. Gerasopoulos, H. Vogel, S. Kazadzis, E. Liakakou, M. Gratsea, and B. Vogel: Aerosol observations and predictions in the southeastern Europe during the extreme summer 2007, **European Aerosol Conference**, September 2 – 7, **2012**, Granada, Spain.

² The underlined titles were presented by E. Athanasopoulou

11. Athanasopoulou, E., Vogel H., Lundgren K., Vogel B., Fountoukis C., Pandis S.: Estimating direct effects of secondary organic aerosol over Europe using COSMO-ART, Springer Atmospheric Sciences, Helmis, Costas G.; Nastos, Panagiotis (Eds.), ISBN 978-3-642-29171-5, doi 10.1007/978-3-642-29172-2, Springer Heidelberg New York Dordrecht London, **11th International Conference on Meteorology, Climatology and Atmospheric Physics**, May 29-June 1, **2012**, Athens, Greece.
12. Athanasopoulou, E., C. Giannakopoulos, M. Hatzaki, H. Vogel, D. Rieger, C. Knote, B. Vogel, A. Karali: Fire risk and air pollution assessment during the 2007 wildfire events in Greece using the COSMO-ART atmospheric model, Geophysical Research Abstracts, Vol. 14, EGU2012-9558-1, **EGU General Assembly 2012**, 22 – 27 April, Vienna, Austria.
13. Vogel, B., E. Athanasopoulou, M. Bangert, A. Ferrone, K. Lundgren, H. Vogel, Ch. Knote, and D. Brunner: The Fully Online Integrated Model System COSMO-ART to Simulate Direct and Indirect Effects of Aerosols, Geophysical Research Abstracts, Vol. 14, EGU2012-3094, **EGU General Assembly 2012**, 22 – 27 April, Vienna, Austria.
14. Athanasopoulou Eleni, Heike Vogel, Max Bangert, Christoph Knote, Bernhard Vogel, Ben Murphy, Alexandra Tsimpidi, Spyros Pandis: Simulating secondary organic aerosol (SOA) formation over Europe using the volatility basis-set approach (VBS) in the online coupled model COSMO-ART, **European Aerosol Conference**, September 4-9, **2011**, Manchester, UK.
15. Athanasopoulou E., H. Vogel, M. Bangert, Ch. Knote, B. Vogel, B. Murphy, A. Tsimpidi, S. Pandis: Quantifying the Effects of SOA on Radiation and Temperature over Europe Using the Volatility Basis-Set Approach in the Online Coupled Model COSMO-ART, **IAMA Conference**, November 30-December 2, **2011**, Davis, CA, USA.
16. Athanasopoulou E., M. Tombrou and S. Pandis: Marine, Aeolian erosion and road dust effects on aerosol predictions over Greece, **10th International Conference on Meteorology, Climatology and Atmospheric Physics**, May 25-28, **2010**, Patras, Greece.
17. Athanasopoulou E., M. Tombrou, A.A. Karanasiou, K. Eleftheriadis and A.G. Russell, 2009: Evaluation of Simulated Atmospheric Constituents with Observations over a European City affected by Natural Sources, **28th American Association for Aerosol Research**, October 26-30, **2009**, Minneapolis, U.S.A.
18. Athanasopoulou E., M. Tombrou, A.A. Karanasiou, K. Eleftheriadis and A.G. Russell: Evaluation of simulated atmospheric constituents with observations over an urban area affected by natural sources, **European Aerosol Conference**, September 6-11, **2009**, Karlsruhe, Germany.
19. Athanasopoulou E., Tombrou M., Pandis S., Russell A.G. and Dandou A: Modelling the effects of heterogeneous chemistry in the air quality of Athens: marine and dust aerosol, **European Aerosol Conference**, September 24-29, **2008**, Thessaloniki, Greece.
20. Athanasopoulou E., Tombrou M., Pandis S. and Russel A.G.: Sea Salt Aerosols (SSA): impact on atmospheric pollution of the Attica peninsula, Greece, **6th UAQ**, March 27-29, **2007**, Limassol, Cyprus.
21. Bossioli E., Tombrou M., Dandou A., Athanasopoulou E. and Varotsos K.: “Influence of different PBL schemes on ozone predictions over the GAA”, **6th UAQ**, March 27-29, **2007**, Limassol, Cyprus.
22. Athanasopoulou Eleni, Tombrou Maria, Dandou Aggeliki and Spyros Pandis: A development of sea-salt aerosol emissions algorithm for PMCAMx model applications in the peninsula of Attica, Greece, **1st ACCENT Symposium**, September 12-16, **2005**, Urbino, Italy.
23. Athanasopoulou Eleni, Bossioli Elisavet and Tombrou Maria, 2004: Modeling of particulate matter in the Greater Athens Area by REMSAD model, **HARMO 9**, June 1-4, **2004**, Garmisch-Partenkirchen, Germany. (1/2)

24. Protonotariou, A., Bossioli, E., Athanasopoulou, E., Dandou, A., Tombrou, M., Assimakopoulos, V.D, Flocas, H.A. and Helmis, C.G., 2004: Validation and inter-comparison of CALPUFF regulatory model to Eulerian models and measurements. An application over the Greater Athens Area, Greece, **HARMO 9**, June 1-4, **2004**, Garmisch-Partenkirchen, Germany.

5. WORKSHOP – MEETING PRESENTATIONS ³

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1. E. Athanasopoulou: Progress and Current status of SMURBS H2020 project, **SMURBS Annual Meeting PM1**, 9-10 October 2018, Athens, Greece

 2. E. Athanasopoulou: preliminary results on stakeholders' survey, **SMURBS workshop on user needs**, HZG, Hamburg, Germany, 27-28 March, 2018

 3. E. Athanasopoulou: Work-plan and timeline of the SMURBS project, **Kick off meeting ERA-PLANET**, CNR, Rome, Italy, 9-11 October, 2017

 4. E. Athanasopoulou, O. Speyer, E. Liakakou, M. Gratsea, E. Gerasopoulos, N. Mihalopoulos et al.: Residential wood combustion in athens since 2010: Impacts on air quality and Atmospheric variables, **HAAR Annual meeting**, NEO Messinia, 16 May 2016.
 5. Elise Hendriks, Frans Snik, Christoph Keller, Eleni Athanasopoulou, Orestis Speyer, Evangelos Gerasopoulos, Vassilis Amiridis et al: ISPEX-EU: European citizens measure air pollution with their smartphone, **One Step BEYOND Workshop**, 15 October **2015**, Frascati (Italy).
 6. Speyer Orestis, Athanasopoulou Eleni, Gerasopoulos Evangelos, 2014: COSMO-ART applications for the area of Greece: first results and on-going work, **16th COSMO General Meeting**, 8-11 September **2014**, Eretria (Greece)
 7. Athanasopoulou Eleni, 2007: Study of particulate matter concentrations in the Greater Athens Area by means of numerical models, **1st Spring school in the framework of ECATS project**, March 11-14, **2007**, Manchester, UK
 8. Athanasopoulou Eleni, 2007: Sea-Salt Aerosols (SSA): Impact On Atmospheric Pollution Of Greece, **3rd Geos-Chem Users' meeting**, Harvard University, April 11-13, **2007**, Boston, USA

6. MONOGRAPHS

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1. Athanasopoulou E., 2009: Study of the atmospheric particulate matter at Attica (Greece) by numerical simulation, [DOI 10.12681/eadd/24295](https://doi.org/10.12681/eadd/24295), Division of Environmental Physics & Meteorology, Department of Physics, NKUA, Athens, Greece (**Ph.D. thesis**)
 2. Athanasopoulou E., 2003: Study of the atmospheric particulate matter at Attica (Greece) by numerical simulation, Division of Environmental Physics & Meteorology, Department of Physics, NKUA, Athens, Greece (**M.Sc. thesis**)
 3. Athanasopoulou E., 2000: Study and analysis of a seismic attendance at the islands of Kos – Nisiros, Department of Geology, NKUA, Athens, Greece (**B.Sc. dissertation**)
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TOTAL CITATION NUMBER¹: 148 / 166

³ The underlined titles were presented by E. Athanasopoulou

7. REVIEWER – EVALUATOR

Eleni has reviewed 13 articles for publication in 5 scientific journals, 3 short articles for publication in a conference and 2 airborne research proposals

Scientific Journals	Atmospheric Chemistry and Physics (ACP)	5 articles
	Atmospheric Environment	3 articles
	Environmental Pollution	3 articles
	Journal of Environmental Management	1 article
	Global Nest	1 article
Conference Proceedings	COMECAP International Conference	3 articles
Projects	Evaluations assigned by the European Facility for Airborne Research (EUFAR)	2 projects