

Curriculum Vitae



Personal information

Surname / First name **Giannaros Christos**
Home address Timenou 4, K. Toumpa, 544 54, Thessaloniki, Greece
Office address Aristotle University of Thessaloniki, Department of Physics, 541 24, Thessaloniki, Greece
Telephone number Home: (+30) 2310-867-080 Office: (+30) 2310-998-009 Mobile: 6993-559-391
E-mail Personal: chris.giannaros@gmail.com Work: cgiannar@auth.gr
Nationality Greek
Date and place of birth 26 December 1987, Thessaloniki, Greece
Gender Male

Education

Dates 2005 – 2011
Title of qualification awarded **Degree in Physics**
Educational Institute Aristotle University of Thessaloniki
Faculty Faculty of Sciences
Department Department of Physics
Grade 7.09, Very Good
Dates 2011 – 2014
Title of qualification awarded **Master of Science (M.Sc.) on Environmental Physics**
Educational Institute Aristotle University of Thessaloniki
Faculty Faculty of Sciences
Department Department of Physics
Grade 9.23, Excellent
Dates 2014 – 2016
Title of qualification awarded **Ph.D. Candidate**
Educational Institute Aristotle University of Thessaloniki
Faculty Faculty of Sciences
Department Department of Physics
Grade 2016 – now

Personal skills and competences							
Mother tongue	Greek						
Other languages	<table border="1"> <thead> <tr> <th>Understanding</th> <th>Speaking</th> <th>Writing</th> </tr> </thead> <tbody> <tr> <td>Αγγλικά Very Good</td> <td>Very Good</td> <td>Very Good</td> </tr> </tbody> </table>	Understanding	Speaking	Writing	Αγγλικά Very Good	Very Good	Very Good
Understanding	Speaking	Writing					
Αγγλικά Very Good	Very Good	Very Good					
Organizational skills and competences	Proven organizational skills and ability to work under pressure, compliance schedules. Ability to take initiative and responsibility. Capable of very rapid learning of new objects and exercise tasks in a flexible manner.						
Social skills and competences	Ease of communication and adapting to new situations and environments. Ability to build constructive working relationships. Ability of cooperation, exchange of information and knowledge to all interested members.						
Computer skills and competences	Excellent use of computers with operating systems of Windows and Linux/Unix. Fluency in handling Microsoft Office applications and in execution of software design charts Origin Lab and Surfer. Excellent knowledge of programming languages Fortran, Matlab, Grads and NCL, and excellent experience in programming in Linux environment (Scriptig).						
Research Fields/Specialization							
1.	Atmospheric Physics. Specialization in the use of Atmospheric Models for the study of Atmospheric Environment and especially in the use of the Mesoscale Meteorological Model: Weather Research and Forecasting (WRF).						
2.	Design, Development and Application of Atmospheric Models Systems for Weather Forecasting and support of Air Pollution Forecasting.						
3.	Post-Processing, Analysis and Evaluation of Atmospheric Models Results through the application of specialized software and Programming Languages.						
Work experience							
Dates	11/2011 – 06/2012						
Occupation or position held	Scientific Associate / Researcher						
Research program	“CommonMediterranean strategy and local practical Actions for the mitigation of Port, Industries and Cities Emissions. – APICE”, European program for territorial Cooperation MED 2007/2013. (http://www.apice-project.eu/)						
Name and address of employer	Laboratory of Atmospheric Physics, Aristotle University of Thessaloniki, Greece.						
Dates	07/2012 – 08/2012						
Occupation or position held	Scientific Associate / Researcher						
Research program	“Central and Eastern Europe Climate Change Impact and Vulnerability. – CECILIA”, Sixth Framework Programme, FP6.						
Name and address of employer	Laboratory of Atmospheric Physics, Aristotle University of Thessaloniki, Greece.						
Dates	01/08/2012 – 31/08/2012						
Occupation or position held	Scientific Associate / Researcher						
Research program	“CommonMediterranean strategy and local practical Actions for the mitigation of Port, Industries and Cities Emissions. – APICE”, European program for territorial Cooperation MED 2007/2013. (http://www.apice-project.eu/)						
Name and address of employer	Laboratory of Atmospheric Physics, Aristotle University of Thessaloniki, Greece.						

Dates	01/2013 – 02/2013
Occupation or position held	Scientific Associate / Researcher
Research program	“CommonMediterranean strategy and local practical Actions for the mitigation of Port, Industries and Cities Emissions. – APICE”, European program for territorial Cooperation MED 2007/2013. (http://www.apice-project.eu/)
Name and address of employer	Laboratory of Atmospheric Physics, Aristotle University of Thessaloniki, Greece.
Dates	04/2013 – 06/2013
Occupation or position held	Scientific Associate / Researcher
Research program	“PIGWaves: In – Line Service For Internal Inspection of Unpiggable Buried Oil Pipelines Using Long Range Ultrasound Guided Waves in Fifty Metre Segments. – FP7-SME-2010-315232-PIGWAVES”, Research for SMEs FP7 – SME - 2012.
Name and address of employer	Draxis Environmental Technologies S.A., Thessaloniki, Greece.
Dates	03/2014 – 07/2014
Occupation or position held	Scientific Associate / Researcher
Research program	“Monitoring Atmospheric Composition and Climate Interim Implementation (MACC II)”, Collaborative Project (2011-2014) funded by the European Union under the 7th Framework Programme. (http://www.gmes-atmosphere.eu/)
Name and address of employer	Laboratory of Atmospheric Physics, Aristotle University of Thessaloniki, Greece.
Dates	08/2014 – 01/2015
Occupation or position held	Scientific Associate / Researcher
Research program	“Optimization and expansion of ground infrastructure for the Validation of satellite-derived column densities of atmospheric species (AVANTI)”, funded by the European Union and National Resources under the act “Excelence” of the Operation Programme “Educational and Lifelong Learning” (NSRF 2007 – 2013)
Name and address of employer	Laboratory of Atmospheric Physics, Aristotle University of Thessaloniki, Greece.
Dates	18/09/2014 – 31/12/2014
Occupation or position held	Scientific Associate / Technical Support and Support of Laboratory Exercises
Research program	“Updating graduates knowledge on new scientific and environmental technologies”, funded by European Union and National Resources in the framework of Operational Program “Educational and Lifelong Learning
Name and address of employer	Laboratory of Atmospheric Physics, Aristotle University of Thessaloniki, Greece.
Dates	08/10/2014 – 03/2015
Occupation or position held	Scientific Associate / Researcher
Research program	“Monitoring Atmospheric Composition and Climate Interim Implementation (MACC III)”, Collaborative Project funded through the European Union’s Horizon 2020 programme (http://www.gmes-atmosphere.eu/).
Name and address of employer	Laboratory of Atmospheric Physics, Aristotle University of Thessaloniki, Greece.
Dates	10/06/2015 – 30/06/2015
Occupation or position held	Scientific Associate / Researcher
Research program	“Monitoring Atmospheric Composition and Climate Interim Implementation (MACC III)”, Collaborative Project funded through the European Union’s Horizon 2020 programme (http://www.gmes-atmosphere.eu/).
Name and address of employer	Laboratory of Atmospheric Physics, Aristotle University of Thessaloniki, Greece.
Dates	10/09/2015 – 30/09/2015

Occupation or position held Scientific Associate / Researcher

Research program "Validation of the global products of CAMS and contribution to the corresponding report(s) : Validation of the regional products of CAMS over the Mediterranean area and contribution to the corresponding report(s)", Project funded by European Centre for Medium-Range Weather Forecasts (ECMWF).

Name and address of employer Laboratory of Atmospheric Physics, Aristotle University of Thessaloniki, Greece.

Dates 24/04/2015 – 23/04/2016

Occupation or position held Scientific Associate / Researcher

Research program "Farming Tools for external nutrient Inputs and water Management (FATIMA)", Collaborative Project funded through the European Union's Horizon 2020 programme - Research and Innovation action (http://cordis.europa.eu/project/rcn/193262_en.html).

Name and address of employer Draxis Environmental Technologies S.A., Thessaloniki, Greece.

Dates 06/2016 – 07/2016

Occupation or position held Scientific Associate / Researcher

Research program "Conservation and quality assurance of municipal water in the crossborder area (CIVILWATER)", European Territorial Cooperation Programme «Greece – Bulgaria 2007 – 2013» co-funded by the European Union (ERDF) and National Funds of Greece and Bulgaria (<http://www.civilwater.eu/index.php/el/>)

Name and address of employer Interbalkan Environmental Center (i-BEC), Thessaloniki, Greece.

Dates 08/06/2016 – 30/06/2016

Occupation or position held Scientific Associate / Researcher

Research program Operation and maintenance of telemetric network stations and conducting regular sampling and laboratory analyses on surface and underground stations of "Decentralized Diocese of Macedonia - Thrace" ("A.D.M.TH.").

Name and address of employer Laboratory of Remote Sensing and GIS, Aristotle University of Thessaloniki, Greece.

Dates 21/09/2016 – 11/2016

Occupation or position held Scientific Associate / Researcher

Research program "REGional climate-air QUALity interactions (REQUA)", FP7-PEOPLE-2013-IRSES - Marie Curie Action "International Research Staff Exchange Scheme" (http://cordis.europa.eu/project/rcn/111009_en.html).

Name and address of employer Laboratory of Atmospheric Physics, Aristotle University of Thessaloniki, Greece.

Continuous training / participation in conferences - workshops

1. Energy and the Economy in a Carbon Constrained World, Thessaloniki, Greece, 11 May 2012
2. 11th International Conference on Meteorology, Climatology and Atmospheric Physics, Athens Greece, 29 May – 1 June 2012.
3. Protection and Restoration of the Environment XI, Thessaloniki, Greece, 3 – 6 July 2012.
4. Introduction to Geographic Information Systems ArcGIS (ArcGIS I), Thessaloniki, 18 – 20 February 2013.
5. Advanced topics in the use of Geographic Information Systems ArcGIS (ArcGIS II), Thessaloniki, 1 – 3 April 2013.
6. From Renewable Energy Production to End Users, COST Action ES1002 "Weather Intelligence for Renewable Energies WIRE", Summer School 2013, 1 – 5 July 2013, Training Center "Le Bataillet", Montegut, France.

7. Online Integrated Modelling of Meteorological and Chemical Transport Processes, COST Action ES1004 "European framework for online integrated air quality and meteorology modelling (EuMetChem)", Youth Scientist Summer School 2014, University of Aveiro, Aveiro, Portugal, 6 – 11 July 2014.
8. 13th International Conference on Meteorology, Climatology and Atmospheric Physics, Thessaloniki, Greece, 19 – 21 September 2016.

Distinctions

1. Scholarship for acquisition of Master's Degree under the "Program of grading Scholarships (State Scholarships Foundation) with individualized assessment" from resources of the Operational Programme "Education and Lifelong Learning" of the European Social Fund (ESF) of the NSRF (2007-2013).
2. Funding for participating in mutual visits exchange programm IKYDA 2014 - Programm fuer project bezogenen Personenaustausch.

Publications

Monographs

Bachelor Thesis: Giannaros M. Christos, 2011. «Assessment of wind energy potential with mesoscale meteorological models.» <http://invenio.lib.auth.gr/record/125690>

Master Thesis: Giannaros M. Christos, 2014. «Performance evaluation of the mesoscale meteorological WRF model in Greece» <http://invenio.lib.auth.gr/record/135266?ln=el>

Publications in International Scientific Journals (referred)

A. Karagiannidis, A. Poupkou, T. Giannaros, C. Giannaros, D. Melas, A. Argiriou: "The Air Quality of a Mediterranean Urban Environment Area and Its Relation to Major Meteorological Parameters", *Water, Air & Soil Pollution* (2014) 226:2239, doi: 10.1007/s11270-014-2239-8.

Marecal, V., Peuch, V.-H., Andersson, C., Andersson, S., Arteta, J., Beekmann, M., Benedictow, A., Bergström, R., Bessagnet, B., Cansado, A., Ch_eroux, F., Colette, A., Coman, A., Curier, R.L., Denier van der Gon, H.A.C., Drouin, A., Elbern, H., Emili, E., Engelen, R.J., Eskes, H.J., Foret, G., Friese, E., Gauss, M., Giannaros, C., Guth, J., Joly, M., Jaumouill_e, E., Josse, B., Kadygrov, N., Kaiser, J.W., Krajsek, K., Kuenen, J., Kumar, U., Liora, N., Lopez, E., Malherbe, L., Martinez, I., Melas, D., Meleux, F., Menut, L., Moinat, P., Morales, T., Parmentier, J., Piacentini, A., Plu, M., Poupkou, A., Queguiner, S., Robertson, L., Rouil, L., Schaap, M., Segers, A., Sofiev, M., Thomas, M., Timmermans, R., Valdebenito, _A., van Velthoven, P., van Versendaal, R., Vira, J., Ung, A.: "A regional air quality forecasting system over Europe: the MACC-II daily ensemble production." *Geoscientific Model Development* (2015), 2739e2806. <http://dx.doi.org/10.5194/gmdd-8-2777-2015>.

Drosoglou, T., Bais, A. F., Zyrichidou, I., Kouremeti, N., Poupkou, A., Liora, N., Giannaros, C., Koukouli, M. E., Balis, D., and Melas, D.: Comparisons of ground-based tropospheric NO₂ MAX-DOAS measurements to satellite observations with the aid of an air quality model over Thessaloniki area, Greece, *Atmos. Chem. Phys. Discuss.*, doi:10.5194/acp-2016-611, in review, 2016.

Publications in International and Greek conferences (referred)

A. Poupkou, N. Liora, A. Karagiannidis, T. Giannaros, C. Giannaros, D. Melas, A. Argiriou: "Air quality in a Mediterranean city – port: Particulate matter source apportionment using the WRF – CAMx modeling system", **EAC 2013 – 2013 European Aerosol Conference** (under the auspices of the European Aerosol Assembly (EAA)), Prague (Czech Republic), 1 – 6 September 2013.

D. Melas, D. Balis, A. Poupkou, E. Katragkou, Giannaros T., Liora N., Giannaros C., Dimopoulos S.: "Implementing an Air Quality Forecasting System on the GRID", **EGI Community Forum 2014**, Helsinki, Finland, 19-23 May 2014.

Giannaros C., Melas D., Giannaros T.: "Evaluation of WRF parameterizations schemes during heat-wave events over the greater area of South – East Mediterranean", **13th International Conference on Meteorology and Atmospheric Physics, COMECAP 2016**, Thessaloniki, Greece, 19 – 21 September 2016. In book: Perspectives of Atmospheric Sciences, pp. 17-23.

Zyrichidou I., Balis D., Liora N., Poupkou A., Giannaros C., Melas D., Koukouli M.E., De Smedt I., van Roozendaal M., van der A R.: "Intestigating the impact of economic recession over Mediterranean urban regions on satellite-based formaldehyde columns: comparison with chemistry transport model results", **13th International Conference on Meteorology and Atmospheric Physics, COMECAP 2016**, Thessaloniki, Greece, 19 – 21 September 2016. In book: Perspectives of Atmospheric Sciences, pp. 1027-1033.

Posters in International and Greek conferences (refereed)

Karagiannidis A. F., Poupkou A., Giannaros C., Giannaros T., Dimopoulos S., Liora N., Melas D., Argiriou A.: "*Meteorological parameters affecting the air pollution of the city of Patras*", **12th International Conference on Meteorology, Climatology and Atmospheric Physics, COMECAP 2014**, Heraklion, Greece, 28 May-31 May 2014.

Natalia Liora, Anastasia Poupkou, Serafim Kontos, Christos Giannaros and Dimitrios Melas: "*Study of the impact of cruise and passenger ships on a Mediterranean port city air quality – Study of mitigation scenarios for 2025*", **European Geosciences Union (EGU), General Assembly 2015**, Vienna, Austria 12-17 April 2015.

Athanasios Karagiannidis, Anastasia Poupkou, Natalia Liora, Spiros Dimopoulos, Christos Giannaros, Dimitrios Melas, Athanassios Argiriou, "*Model study of the ship emissions impact on the air quality in the Adriatic/Ionian Seas*", **European Geosciences Union (EGU), General Assembly 2015**, Vienna, Austria 12-17 April 2015.

Melas D., Liora N., Poupkou A., Giannaros C., Dimopoulos S., Kontos S., Symeonidis P., Progiou A., Sitara A., Economides D., Ziomas I.: "*An up-to-date assessment of the air quality in Greece with the use of modeling tools*", **13th International Conference on Meteorology and Atmospheric Physics, COMECAP 2016**, Thessaloniki, Greece, 19 – 21 September 2016. In book: Perspectives of Atmospheric Sciences, pp. 1123-1128

Drosoglou Th., Bais A.F., Zyrichidou I., Poupkou A., Liora N. Giannaros C., Koukouli M., Kouremeti N., Dimopoulos S., Balis D., Melas D.: "*Comparison of ground-based tropospheric NO₂ columns with OMI/Aura products in the greater area of Thessaloniki by means of an air quality modeling tool*", **13th International Conference on Meteorology and Atmospheric Physics, COMECAP 2016**, Thessaloniki, Greece, 19 – 21 September 2016. In book: Perspectives of Atmospheric Sciences, pp. 1075-1080

Kontos S., Liora N., Poupkou A., Giannaros C., Garane A., Melas D.: "*Air-quality impact of cruise and passenger ship emissions in the port of Thessaloniki*", **13th International Conference on Meteorology and Atmospheric Physics, COMECAP 2016**, Thessaloniki, Greece, 19 – 21 September 2016. In book: Perspectives of Atmospheric Sciences, pp. 1129-1134.

Presentations in International and Greek Workshops

D. Melas, A. Poupkou, N. Liora, A. Karagiannidis, T. Giannaros, C. Giannaros and A. Argiriou: "*Particulate matter source apportionment for the urban center of Patras (Greece) using the WRF – CAMx modeling system*", **Workshop – Characterization of atmospheric pollution in harbor areas (CESAPO Project)**, Lecce (Italy), 26 June 2013.