

# **CURRICULUM VITAE**

## **Personal Details:**

Surname: **Papadimas**  
Name: **Christos**  
Date of birth: 11 December 1976  
Place of birth: Attica, Greece  
Nationality: Greek  
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## **Education:**

2009 Ph. D. in Meteorology - Climatology and Atmospheric Physics, University of Ioannina, Greece  
2004 M. Sc. in Meteorology and Climatology, University of Ioannina, Greece  
2001 B. Sc. in Physics, University of Ioannina, Greece

## **Research Experience**

2012 -2015 Research fellow at the Environmental Chemical Processes Laboratory of the Department of Chemistry University of Crete. Project: PANOPLY: Pollution Alters Natural aerosol composition: Implications for Ocean Productivity, cLimate and air qualityY

2008-2012 Research fellow at the Laboratory of Meteorology, Department of Physics, University of Ioannina. Project: Study of aerosol properties in the region of Epirus in northwest Greece using satellite data

2010 Research fellow at the Environmental Chemical Processes Laboratory of the Department of Chemistry University of Crete. European Union (6th framework CIRCE IP, Project No. 036961 "The impacts of clouds to the surface radiation in present-day climate"

2009-2010 Research fellow at the Environmental Research Laboratory, Foundation for Research and Technology – Hellas (FORTH), Greece. Post-Doctoral Project: The Water Resources of Greece under Changing Climatic Conditions

2006-2009 PhD student - research fellow on PENED 2003 program (03ED373), co-financed by E.U.-European Social Fund and the Greek Ministry of Development-GSRT. Project: Aerosol effect on solar radiation and chemistry of the Mediterranean atmosphere using satellite data and 3-dimensional global chemistry-transport model

## **Research Interests**

- Weather forecast
- Radiation transfer modeling in the atmosphere
- Cloud and Aerosol effects on Climate
- Spatiotemporal characteristics of meteorological parameters
- Synoptic Meteorology-Climatology

## **Selected Publications in International Journals with referees (peer reviewed)**

1. **Papadimas C. D.** et al. Spatial and temporal variability of aerosols properties over the Mediterranean basin based on 6-year (2000-2006) MODIS data. *Journal of Geophysical Research*, Vol. 113, D11205, 2008.
2. **Papadimas C. D.**, et al. Assessment of the MODIS Collections C005 and C004 aerosol optical depth products over the Mediterranean basin *Atmos. Chem. Phys*, 9, 2987-2999, 2009
3. **Papadimas C. D.**, et al. Regional covariability and teleconnection patterns in Surface Solar Radiation on a planetary scale, *International Journal of Climatology*, 2009, DOI: 10.1002/joc.2031

4. **Papadimas C. D.** et al. Sea Level Pressure - Air Temperature Teleconnections during Northern Hemisphere Winter, *Theoretical and applied climatology*, 2011, DOI: 10.1007/s00704-011-0523-8
5. Hatzianastassiou N., **C.D. Papadimas**, et al. Recent regional surface solar radiation dimming and brightening patterns: inter-hemispherical asymmetry and a dimming in the Southern Hemisphere. *Atmospheric Science Letters*, 13: 43-48 (2012), DOI: 10.1002/asl.361
6. **Papadimas C.D.**, et al. The direct effect of aerosols on solar radiation over the broader Mediterranean basin. *Atm. Chem. Phys.*, 12, 7165-7185, 2012, doi: 10.5194/acp-12-7165-2012
7. Gkikas A., E.E. Houssos, N. Hatzianastassiou, **C.D. Papadimas** et al. Synoptic conditions favouring the occurrence of aerosol episodes over the broader *Mediterranean basin*. *Quarterly Journal of the Royal Meteorological Society.*, 138: 932-949, April 2012 B
8. Pappas V., N. Hatzianastassiou, **C. Papadimas**, C. Matsoukas, S. Kinne, and I. Vardavas. Evaluation of spatio-temporal variability of Hamburg Aerosol Climatology against aerosol datasets from MODIS and CALIOP. *Atmos. Chem. Phys.*, 13, 1–19, 2013. doi:10.5194/acp-13-1-2013
9. Korras-Carraca M. B., N. Hatzianastassiou, C. Matsoukas, A. Gkikas, and **C. D. Papadimas**. The regime of aerosol asymmetry parameter over Europe, Mediterranean and Middle East based on MODIS satellite data: evaluation against surface AERONET measurements. *Atmos. Chem. Phys.*, 15, 13113-13132, <https://doi.org/10.5194/acp-15-13113-2015>, 2015
10. Ioannidis E., C.J. Lolis, **C.D. Papadimas**, N. Hatzianastassiou, A. Bartzokas. On the intra-annual variation of cloudiness over the Mediterranean region, *Atmospheric Research* 2017, <https://doi.org/10.1016/j.atmosres.2017.08.021>

#### **Publications in Conferences: 55**

#### **Additional training**

- Meteorological observing certificate, Hellenic National Meteorological Service, Athens (Greece), 2005
- Certificate in Environmental management systems (ISO 14001), Patra (Greece), 2004

#### **Computer skills**

Programming languages:

Fortran 77 - 90, Matlab, IDL, Python, R

Operating systems

- UNIX, Linux
- Windows

#### **Foreign Languages**

1. English (written and spoken)
2. German (some written and spoken)

**Reviewer** at the following scientific journals:

1. Atmospheric Research
2. Natural Hazards and Earth System Sciences
3. International Journal of Climatology
4. Advances in Meteorology