

## BRIEF CURRICULUM VITAE

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### Academic Qualifications:

- B.Sc. in Physics, 1993, University of Athens
- M.Sc. in Environmental Physics, 1999, University of Athens
- Ph.D. in Environmental Physics, 2007, University of Athens

### Employment:

- 1997-2013: Research Associate, University of Athens - Climate Research Group
- 1999-2013: Research Associate, Department of Energy Technology - Technological Educational Institute of Athens
- 2012-2014: Research Associate, Department of Automation Engineering - Technological Education Institute of Piraeus
- 2014-: Lecturer, Division of Environmental Physics and Meteorology - Faculty of Physics - University of Athens

### Scientific Publications/Citations:

- In refereed Journals: 38
- In referred Proceedings of Conferences: 31
- Chapters (peer reviewed) in International books: 1
- Citations: 528
- h-index 11
- i10-index 12

### Top five publications:

- Tzanis C. and Varotsos C.A., 2008: Tropospheric aerosol forcing of climate: a case study for the greater area of Greece. *International Journal of Remote Sensing*, 29 (9), 2507-2517.
- Varotsos C., Cartalis C., Vlamakis A., Tzanis C. and Keramitsoglou I., 2004: The long-term coupling between column ozone and tropopause properties. *Journal of Climate*, 17 (19), 3843-3854.
- Tzanis C., Varotsos C. and Viras L., 2008: Impacts of the solar eclipse of 29 March 2006 on the surface ozone concentration, the solar ultraviolet radiation and the meteorological parameters at Athens, Greece. *Atmospheric Chemistry and Physics*, 8 (2), 425-430.
- Varotsos C.A., Cracknell A.P. and Tzanis C., 2012: The exceptional ozone depletion over the Arctic in January-March 2011. *Remote Sensing Letters*, 3 (4), 343-352.
- Varotsos C.A. and Tzanis C., 2012\*: A new tool for the study of the ozone hole dynamics over Antarctica. *Atmospheric Environment*, 47, 428-434.  
\*The "Weather" (journal of the Royal Meteorological Society) commented on this paper: "A new time domain for prediction of impending major climate events", *Weather* - February 2012, Vol. 67, No. 2, doi:10.1002/wea.1848. (<http://onlinelibrary.wiley.com/doi/10.1002/wea.1848/full>)

### Research Interests/Activities:

- Climate Physics
- Climate Dynamics

- Atmospheric Physics and Chemistry
- Remote Sensing
- Aerosols
- Air pollution
- *Reviewer in International Scientific Journals:*
  - Environmental Science and Pollution Research
  - Earth Observation and Remote Sensing
  - International Journal of Remote Sensing
  - Journal of Applied Meteorology and Climatology
  - Meteorology and Atmospheric Physics
  - Annales Geophysicae
  - Natural Hazards
  - Meteorological Applications
  - CLEAN - Soil, Air, Water
  - Remote Sensing Letters
  - The Scientific World Journal
  - Atmospheric Research

- *Participation in 24 Large Research Projects, e.g.:*
  - Model for multi-pollutant impact and assessment of threshold levels for cultural heritage (MULTI-ASSESS). Fifth Framework Programme Key Action City of Tomorrow and Cultural Heritage within the Energy, Environment and Sustainable Development, 2001-2004.
  - Environmental satellite (ENVISAT) / Scanning Imaging Absorption spectrometer for Atmospheric CHartography (SCIAMACHY) / SCIAMACHY Validation (SCIAVAL) Programme, EU, 2001-2007.
  - International Polar Year 2007-2008 (IPY), Ozone layer and UV radiation in a changing climate evaluated during IPY (ORACLE-O3).
  - UN ECE ICP (Convention on Long-Range Transboundary Air Pollution) Materials (Trend Exposure) International Co-operative Programme on Effects on Materials, including Historic and Cultural Monuments, 2005-2014.

### Teaching Activities:

- Physics I: (undergraduate lab course).
- Physics II: (undergraduate lab course).
- Physics of the Atmosphere (undergraduate lab course).
- Climate - Climate Change (undergraduate classroom course).
- Marine Meteorology (postgraduate classroom course).
- Middle and Upper Atmosphere Physics (postgraduate classroom course).
- Atmospheric Physics and Chemistry (postgraduate classroom course).

### Current Administrative Responsibilities:

- Member of the General Assembly of the Faculty of Physics.
- Member of the Committee for the Undergraduate Studies Program.