



## BRIEF CURRICULUM VITAE

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### Academic Qualifications:

- Ph.D. in Environmental Physics, National and Kapodistrian University of Athens.
- M.Sc. in Environmental Physics, National and Kapodistrian University of Athens.
- B.Sc. in Physics, National and Kapodistrian University of Athens.

### Employment:

- 2016-: Assistant Professor, Section of Environmental Physics and Meteorology, Department of Physics, University of Athens.  
*Head of the Climate and Climatic Change Group.*
- 2014-2016: Lecturer, Section of Environmental Physics and Meteorology, Department of Physics, University of Athens.
- 2012-2014: Research Associate, Automation Engineering Department, Piraeus University of Applied Sciences.
- 1999-2013: Research Associate, Department of Energy Technology Engineering, Athens University of Applied Sciences.
- 1997-2013: Research Associate, Section of Environmental Physics and Meteorology, Department of Physics, University of Athens.

### Scientific Publications/Citations:

- *In International peer-reviewed Journals:* 63
- *In peer-reviewed Proceedings of Conferences:* 54
- *Chapters (peer-reviewed) in International Books:* 3
- *Citations:* 1600
- *h-index:* 25

### Research Interests/Activities:

- *Research Interests:*
  - Climate Physics and Dynamics
  - Climate Change and Variability
  - Nonlinear Processes in the Climate System
  - Energy and Climate
  - Artificial Intelligence and Machine Learning
  - Remote Sensing
  - Atmospheric Physics and Chemistry
  - Ambient Air Quality
  - Aerosols
- *Editor / Member of the Editorial Board of International Scientific Journals:*
  - Member of the Editorial Board of “*Remote Sensing*” since 2019.
  - Associate Editor and Member of the Editorial Board of “*Atmosphere*” since 2018.
  - Associate Editor of “*Frontiers in Earth Science*” and “*Frontiers in Environmental Science*” (“*Atmospheric Science*” section) since 2017.
  - Guest Associate Editor of “*Frontiers in Astronomy and Space Sciences*” and “*Frontiers in Physics*” (“*Stellar and Solar Physics*” section) since 2017.
  - Member of the Editorial Board of “*Advances in Environmental and Engineering Research*”, 2020
  - Member of the Editorial Board of “*Climate*” since 2018.
- *Reviewer in 42 International Scientific Journals:*  
“*Atmospheric Chemistry and Physics*”, “*Journal of Geophysical Research - Atmospheres*”, “*Atmospheric Environment*”, “*Atmospheric Research*”, “*Physica A*”, “*Environmental Modelling and Software*”, “*Natural*”

Hazards”, “Applied Mathematical Modelling”, “Complexity”, “Environmental Science and Pollution Research”, “Meteorological Applications”, “Remote Sensing”, “Remote Sensing Letters”, “Atmosphere”, “Journal of Applied Meteorology and Climatology”, “Water”, “Annales Geophysicae”, “Talanta”, “Journal of Atmospheric and Solar-Terrestrial Physics”, “Environmental Science & Technology”, “Advances in Meteorology”, “IEEE Access”, “Environmental Pollution”, “Environmental Research”, “Journal of Cleaner Production”, “Ecological Modelling”, “Journal of the Atmospheric Sciences”, “Applied Energy”, “International Journal of Climatology”, etc.

- *Awarded the recognition of “Outstanding Reviewer” from Elsevier (e.g. “Ecological Modelling”, June 2018; “Environmental Pollution”, July 2018, etc.).*
- *Participation in numerous national and international experimental campaigns that involve monitoring various climatic parameters.*
- *Scientific collaborations with more than 60 International Institutions in the frame of the most important Research Projects.*
- *Participation in 30 Research Projects, e.g.:*
  - National network for Climate Change Research – CLIMPACT, GSRT, 2020–2022.
  - Non-linear Dynamics of the Remotely Sensed Atmospheric Data and Modelling; Implications to Climate & Earth System Science; Case studies for Athens (Greece) and Beijing (China). ESA - MOST China Dragon Cooperation (DRAGON 3), Project ID. 10529, 2013–2016.
  - HygrA-CD (Hygroscopic Aerosols to Cloud Droplets)/Initial Training for Atmospheric Remote Sensing (ITARS), FP7: PEOPLE-2011-ITN, 2012–2016.
  - ATHLI16: ATHens Lidar Intercomparison campaign 2016, EU project ACTRIS-2 (EU H2020).
  - UNECE/CLRTAP (United Nations Economic Commission for Europe/Convention on Long-Range Transboundary Air Pollution) International Co-operative Programme on Effects on Materials, including Historic and Cultural Monuments (ICP Materials), 2005–2015.
  - Environmental satellite (ENVISAT) / SCanning Imaging Absorption spectroMeter for Atmospheric CHartographyY (SCIAMACHY) / SCIAMACHY Validation (SCIAVAL) Programme, EU, 2001–2007.

## Teaching Experience:

- *Undergraduate courses:*
  - Introduction to Atmospheric Physics
  - Climate - Climate Change
  - Physics I: (lab course)
  - Physics II: (lab course)
  - Physics of the Atmosphere (lab course)
  - Environmental Physics (lab course)
- *Postgraduate courses:*
  - Climate - Climate Variations
  - Atmospheric Physics and Chemistry
  - Marine Meteorology
  - Physics of the Middle and Upper Atmosphere
- *13 courses, Athens University of Applied Sciences.*
- *4 courses, Piraeus University of Applied Sciences.*
- *Supervision and Co-Supervision of numerous MSc Diploma theses and undergraduate dissertations.*
- *MSc theses advisor in International Institutions.*
- *Supervision of 1 Postdoc and 3 PhD theses.*

## Administrative Positions:

- *Member of the General Assembly of the Department of Physics, University of Athens (2014–2017).*
- *Member of the Committee for the Undergraduate Studies Program, Department of Physics, University of Athens (2014–2016).*
- *Member of the Coordinating Committee of the Postgraduate Study Program in Applied Physics, Department of Physics, University of Athens (2018–2020).*
- *Member of the Committee and the Editorial Board for the “Research and Innovation” of the Department of Physics, University of Athens (2018).*
- *Member of the Student Selection Committee of the Postgraduate Study Program in Environmental Physics, Department of Physics, University of Athens (2015–2018).*
- *Member of the Student Selection Committee of the Postgraduate Study Program in Applied Physics, Department of Physics, University of Athens (2018–2020).*