



HELLENIC REPUBLIC

National and Kapodistrian University of Athens

Faculty of Physics

Department of Environmental Physics - Meteorology



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Associate Professor

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#### Academic Qualifications:

- Ph.D. Physics, 1986, University of Athens
- M.Sc. Meteorology, 1983, University of Athens
- B.Sc. Physics, 1978, University of Athens

#### Appointments:

Faculty of Physics, University of Athens

- 2013- Associate Professor
  - 1989-2013 Assistant Professor
  - 1986-1989 Lecturer
  - 1980-1986 Research Assistant
- Greek Research Foundation
- 1979-1980 Research Assistant

#### Teaching Activities: (current)

Undergraduate courses

- Synoptic Meteorology
- Dynamic and Synoptic Meteorology

Postgraduate courses

- Atmospheric Circulation-Solar & Terrestrial Radiation
- Atmospheric Physics and Chemistry
- Synoptic Meteorology
- Environmental pollution and management
- *Supervision of 42 BSc & 28 MSc Diploma theses*
- *Supervision of 4 PhD theses*

#### Research Interests/Activities: (last 10 years)

- Atmospheric Physics
- Studies in the atmospheric boundary layer
- Urban air pollution and transport of air pollutants
- Applied & Dynamic Climatology-Climatic changes
- Synoptic and Dynamic Meteorology
- Wind energy studies
- Environmental education
- *Scientific Responsible in 16 Funded Research Projects*
- *Member of the research team in 19 Funded Research Projects*

#### Scientific Publications/Citations:

- 26 papers in peer reviewed International Journals
- 2 Chapters (peer reviewed) in international books

- 38 publications in peer reviewed Proceedings of International Scientific Conferences
- 18 publications in Proceedings of Greek Scientific Conferences
- 12 Textbooks
- 32 Technical reports
- 11 publications in Encyclopedias / Memorial Editions / Periodicals
- 486 Citations

#### Top five publications

- K. Philippopoulos, D. Deligiorgi and G. Karvounis: "Wind speed distribution modelling in the greater area of Chania, Greece", *International Journal of Green Energy*, 9(2), pp. 174-193 (2012)
- K. Philippopoulos and D. Deligiorgi: "Application of artificial neural networks for the spatial estimation of wind speed in a coastal region with complex topography", *Renewable Energy*, 38(1), pp. 75-82 (2012)
- T. Mavrakou, K. Philippopoulos and D. Deligiorgi: "The impact of sea breeze under different synoptic patterns on air pollution within Athens basin", *Science of the Total Environment*, 433, pp 31-43 (2012).
- K. Philippopoulos and D. Deligiorgi: "Statistical simulation of wind speed in Athens, Greece based on Weibull and ARMA models", *International Journal of Energy and Environment*, 3(4), pp. 151-158 (2009)
- D. Lalas, D. Asimakopoulos, D. Deligiorgi, C. Helmis: "Sea breeze circulation and photochemical pollution in Athens, Greece", *Atmospheric Environment*, 17(9), pp. 1621-1632 (1983)

#### Other Activities:

- Reviewer and evaluator of various National & European Union's projects
- Reviewer in international scientific journals and conferences
- Editor of 6 Books / Conference Proceedings