

CHRONOPOULOS KOSTAS

SUMMARY

Dr. Konstantinos Chronopoulos is an Electrical and Computer Engineer and a faculty member at the Agricultural University of Athens (AUA). He holds a PhD in environmental parameter analysis and an MSc in geological and atmospheric environment studies. With extensive experience in teaching and research, he specializes in physics, biophysics, satellite image analysis, and meteorology. His work includes contributions to major research projects, publications in international journals, and expertise in artificial neural networks for climate modelling.

EDUCATION

- 2009** PhD Thesis: " Development and Application of Contemporary Analysis and Processing Techniques for the Estimation of Environmental Parameters in a Region with Special Geomorphologic Characteristics." Science Department, Agricultural University of Athens (AUA).
- 2006** MSc in Geological and Atmospheric Environment in Infrastructure Planning, Science Department, Agricultural University of Athens (AUA).
- 1997** Degree in Electrical and Computer Engineering, School of Engineering, University of Patras, Greece.

WORK EXPERIENCE

- 2014 – PRESENT** Member of the Laboratory Teaching Staff, Physics Laboratory, AUA.
- APR. 02 – 2014** Member of the Laboratory Staff (private law contract), Physics Laboratory, AUA.: Research and laboratory work, teaching support, computer maintenance (hardware & software).
- APR. 99 – MAR. 02** Public Power Corporation (PPC) – Directorate of New Transmission Projects, Substations and High-Voltage Centers Department: Studies for new 150-20KV substations, IT support (hardware & software).
- OCT. 98 - MAR. 99** Center for Mediterranean Regional Environment (MedRegio CREE - International NGO): Supervision and maintenance of computer networks, development and updating of the organization's website.

TEACHING EXPERIENCE

- 2000 – PRESENT Teaching physics lab exercises for AUA students
- 2016 – PRESENT Teaching biophysics lab exercises for the Biotechnology Department, AUA
- 2017 – PRESENT Co-teaching "Methods of Physics in Biotechnology" and supervising laboratory exercises for Biotechnology students, AUA.
- 2019 - PRESENT Teaching "Satellite Image Analysis and GIS in Agrometeorology" in the MSc program "Innovative Applications in Sustainable Agriculture, Plant Improvement, and Agrometeorology," AUA.
- 2019 - PRESENT Teaching "Forest Fire Meteorology" in the MSc program "Innovative Applications in Sustainable Agriculture, Plant Improvement, and Agrometeorology," AUA.
- 2007 – 2012 Teaching "Modern Techniques and Methods in Meteorology - Climatology" for the MSc "Natural Sciences in Agriculture," AUA.
- 2004 - 2009 Teaching "Wildfires" in the inter-institutional MSc "Prevention and Management of Natural Disasters," National and Kapodistrian University of Athens.
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RESEARCH PROJECTS – PUBLICATIONS – CONFERENCES

Participation in multiple research projects, including "Modeling tools for predicting vegetation potential passive cooling effects on urban microclimate" (NATO ESP.MD.CLG982203, 2006-2010).

Numerous publications in international journals and conference proceedings, covering topics such as meteorological risk assessment, artificial neural networks in climate modeling, and the bioclimatic impact of urban vegetation.

Co-author of academic textbooks on applied meteorology and bioclimatology.