



Dr Theodore Karacostas

Professor Emeritus

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Theodore Karacostas is now Professor Emeritus at the Department of Meteorology and Climatology of the Aristotle University of Thessaloniki. He has been Professor of Dynamic Meteorology, Cloud Physics, Weather Modification and Climatic Change, for more than 35 years of consistent

research and teaching activities, as well as administrative skills. He has supervised 28 Ph.D. Dissertations and 52 M.Sc. Theses.

He pursued his undergraduate studies (B.Sc. with honours) at the Department of Mathematics of the Aristotle University of Thessaloniki, Greece, while his graduate studies (M.Sc. and Ph.D., both with honours) at the Department of Atmospheric Science of the University of Wyoming, U.S.A., in the field of Dynamic Meteorology, Cloud Physics and Weather Modification.

He has been the Head of the Department for ten (10) years and the Head of the Graduate School in Meteorology, Climatology and Atmospheric Environment for seven (7) years. He has been the Vice President of the Aristotelian University of Thessaloniki Research Committee, from 2010 to 2015. Moreover, he had designed the Greek National Hail Suppression Program [1983-84], and he was the Scientific Director of it [1984-88] (Ministry of Agriculture, Greece).

Professor Karacostas has published extensively and has participated in and has organized numerous Conferences and Workshops, worldwide. In addition, he has coordinated several National and European research projects on weather modification, synoptic and dynamic meteorology, extreme weather events, modeling and forecasting, agricultural meteorology, cloud physics, wind energy and climatic changes.

Professor Karacostas was supported by several fellowships and was invited many times by the World Meteorological Organization and has served as a National, European Union and International expert and reviewer in several Ministries (Greece, Italy and Canada), International Organizations (WMO, ECMWF, IAMAS, IAPSO, IDNDR) and Scientific Committees (IPCC, WMO, UNEP) on extreme weather events, weather modification and climatic change. Particularly he has also served as Member-Consultant of the Scientific and Advisory International Committee for Rain Enhancement Project in South Italy, Ministry of Agriculture [1991-1999], and as External Advisor-Reviewer on Weather Modification for the Ministry of Development, Alberta, Canada [1996-98]. He participated at the WMO 14-Member Expertise Committee for Weather Modification activities, and particularly for Hail Suppression

Research and Development: reports 1995 South Africa and 2003 Nalchik Russia. He was also the National Representative on the 29th IPCC meeting (2008) in Switzerland. Moreover, he is Editor in four international publishing companies (Springer, Elsevier, Wiley and Hindawi), Reviewer in more than twenty-five international journals on Atmospheric Sciences, Meteorology, Climatology, Environmental Fluid Mechanics, etc., and a member of several National and International Societies and Committees. He has been elected as the Vice-President of the Greek National Meteorological Society in 2016, 2018 and 2020. He resigned from that position in 2022.