



Short- CV

Dr. Karamanis is Assistant Professor of Alternative Energy Sources at the Department of Environmental & Natural Resources Management of the University of Western Greece. His research interest started with the development of appropriate countermeasures such as modified nano-clays for the mitigation of the severe environmental consequences of the Chernobyl accident and followed by cross section measurements in the thorium fuel cycle for energy production and waste incineration in hybrid systems. In the last years, his research interests expanded to the study of wind and solar energy systems. His current research focuses on solar cooling of buildings and outdoor spaces with the application of the water vapor adsorption-condensation-evaporation-desorption cycle with photo-responsive and multifunctional nanocomposites. He has been involved in the coordination and implementation of several research projects (i.e. Interreg III Greece-Italy, bilateral Greece-Turkey, EU Marie Curie, Latsis Foundation etc) while he was recently awarded a National Research Grant of Excellence. He has been an expert for the EU programmes FP7-ENV-2011, FP6-NEST and TACIS- ISTC, Research Programmes for the Polish-Norway bilateral cooperation, National Scientific Programme of Chile and reviewer for more than 40 scientific journals, conferences programs and proceedings. His research has resulted in more than 80 publications in refereed scientific journals. Four postgraduate and more than five undergraduate students are currently carrying out their thesis under his supervision.

Full-CV

http://www.env.uwg.gr/files/profiles/karamanis_cv_en.pdf