

TheophanisKarambas



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TheophanisKarambas is Associate Professor of Coastal Engineering at the Department of Hydraulics and Environmental Engineering, School of Civil Engineering, Aristotle University of Thessaloniki.

He has participated as coordinator/principal researcher in numerous European and National Competitive research programs on Coastal Engineering and Morphodynamics. His research focuses on Numerical modeling of Coastal Processes, Non Linear Wave Theories, Wave Propagation in the Nearshore Area, Wave Breaking and Runup, Wave-induced currents, Sediment Transport (with emphasis in the Surf and Swash Zone), Coastal Morphology, Coastal Structures, Pollutant Dispersion and Diffusion in Coastal Areas, Wave –Coastal structures interaction, Coastal hydro-morphodynamics, flood risk assessment, Climate change effects on coastal zone.

He is an expert in the construction/use of advanced (1-D, 2-D, quasi 3-D) simulation models (e.g. Boussinesq) of coastal processes and the design of coastal protection schemes. He has authored/co-authored more than 90 publications(>30 in peer-reviewed international journals).