

Professor: **Panagiotis Angelidis**

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CURRENT POSITION: Professor of Environmental Hydraulics and Engineering Hydrology, Democritus University of Thrace, School of Engineering, Department of Civil Engineering, Head of the Hydraulic Division.

<https://civil.duth.gr/author/pangelid/>

<http://utopia.duth.gr/~pangelid/>

<https://scholar.google.gr/citations?hl=el&user=ZPs3hKEAAAAJ>

EDUCATION: Diploma in Civil Engineering, Democritus University of Thrace, Greece, 1983. PhD in Civil Engineering, Democritus University of Thrace, Greece, 1993.

RESEARCH TOPICS:

Rainfall – runoff simulation, flood routing through rivers and reservoirs, floods in large hydrologic basins with existence of dams and functioning of hydraulic engineering works, drought and drought indices. Hydrodynamic and environmental simulation of large-scale flows under atmospheric, Coriolis and tidal forcing. Plumes, diffusers, negative buoyancy jets, diffusion, dispersion, mixing in rivers, lakes, estuaries, sea. Density stratified flows, gravity currents. Non-point source pollution modeling in agricultural and urban water catchments.

PUBLICATIONS: 21 Publications in International Scientific Journals IF. 63 Publications in Proceedings of national and international conferences. Author of one (1) University book and of two chapters in two books.

RECENT RESEARCH PROJECTS

Key researcher in 26 engineering projects regarding Environmental Fluid Mechanics, Hydrology, Drought, Floods, Hydraulics. Indicatively I mention:

1. Plan for Water Resources Management of Municipality of Myki, Greece, 2017.
2. Flood warning system establishment in Arda river basin for minimising the risk in the cross-border area, 2014.
3. “BEACHMED» - INTERREG III C – ZONE SUD», 2008
4. “SADMO» - INTERREG III B», 2008
5. “NEW TECHNOLOGIES IN HYDROLOGY, IRRIGATION ENGINEERING AND ENVIRONMENTAL PROTECTION » - INTERREG III A – Greece-Bulgaria», 2008
6. Laboratory modeling in a rotating 5.2 m tank of large-scale flows under the influence of Coriolis force, 2007.
7. Flood control, Hydrology and restoration of Tirnabos river (1997).
8. Laboratory modeling in a rotating 5.2 m tank of exchange flow through the Arc of Crete straits (Task of PELAGOS Project “Hydrodynamics and Biogeochemical Fluxes in the Straits of the Cretan ARC”, within the MAST II of EE), 1996.
9. The Hydraulic model of Evinos Dam Tunnel Spillway, 1996.
10. Hazard Evaluation and inundation maps due to the hypothetical break of Evinos Dam, 1995.
11. Hydraulic and Numerical Modeling of dispersion of pollutants in Kerkyra’s Sea, 1993.
12. Flood control, Hydrology and Environmental restoration of the stream of Xaladri, Athens, (Greece), 1994.
13. Trajectory and dilution from two-dimensional horizontal buoyant jet (1993).
14. Hydraulic and Numerical Modeling of dispersion of pollutants in Kerkyra’s Sea, 1993.
15. The Hydraulic model of Temenos’s Dam Spillway, 1992.
16. The self-cleaning capacity of Lake Vistonis, (1987).
17. Formulation and Application of mathematical model describing the fate and pathways of pollutants in problematic hydrological and coastal basins of Northern Greece”, EEC Contract No ENV -590-G(B), 1986.

INSTRUCTOR of 1 PhD research and supervisor of 1 PhD at the moment. Supervisor of 60 MSc Dissertations.