

Biographical Sketch

ANDREAS YIOTIS is an Associate Researcher at the Environmental Research Laboratory (EREL) of the National Center for Scientific Research “Demokritos” (Greece) from 2012, and a recently elected Associate Professor at the School of Mineral Resources Engineering at the Technical University of Crete (Greece). Prior to this, he was a Post-doctoral Researcher at EREL (2005-2010, Greece) and the Fluides, Automatique et Systèmes Thermiques (FAST) laboratory (2010-2012, Orsay, France) under Intra-European Marie Curie fellowship. He holds a bachelor (1997) and PhD (2003), both in Chemical Engineering, from the National Technical University of Athens. His research focuses mainly on the theoretical and numerical modeling of transport phenomena (flow, mass and heat) in porous media, focusing primarily on environmental and energy related applications, such as Enhanced Oil Recovery, Soil Remediation, Hydrogen Storage in Metal Hydrides, Reactive flows in Fuel Cells, among others. In this fields, he has significant experience in developing numerical models for the stochastic reconstruction, characterization and immiscible flows in a wide variety of porous materials, such as soils, membranes and fibrous media using a combination of pore-scale and continuum-scale (REV) approaches. Dr. Yiotis has published more than 20 papers in peer-review scientific journals in the fields of physics and engineering (h-index=12, >600 citations).



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