

## Biographical Sketch – Dr. Rafael ANGULO-JARAMILLO

Researcher at CNRS, Soil Science

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*Educational background:* Civil Engineer (Colombian Engineering School of Bogota, Colombia, 1982); Hydraulic Engineer (National Institute of Hydraulic and Mechanic Engineering (ENHMG) of Grenoble, France, 1986); MSc in Fluid Mechanics and Transfers (National Polytechnic Institute of Grenoble, France, 1986); PhD thesis in Fluid Mechanics and Transfers (National Polytechnic Institute of Grenoble, France, 1989); HDR- Accreditation to Supervise Research (National Polytechnic Institute of Grenoble, France, 2000) on Soil Physics and Hydrology.

*Research Activities:* researcher at CNRS on vadose zone hydrology and soil science, with particular interest on parameter estimation of soil hydraulic properties; study of preferential flow and colloidal/particles transport processes on unsaturated soils; measurement technologies and modeling of water flow and solute transport in the unsaturated zone.

*Teaching activities* as guest lecturer at the Ecole Nationale des Travaux Publics de l'Etat, Lyon (ENTPE), Ecole Nationale des Techniques Avancées, Paris (ENSTA); Ecole Nationale Supérieure de Géologie, Nancy (ENSG).

Total Career Advising: 21 MSc students, 11 PhD students

*Publications:* 54 publications in first class Journals (class A) with peer review; 141 congress publications with transactions or abstracts.  
Peer Reviewer – Soil Sci. Soc. Am. J., Water Resour. Res., Geoderma, Vadose Zone J., J. of Hydrol., Canadian Geotech. J.

*Responsible* for the bi-lateral cooperation research program with Oregon State University (USA), Federal University of Pernambuco (Brazil); coordinator of different research projects of the French National Research Program on Hydrology, and the National Agency for Radioactive Waste Disposal.

