

CONFERENCE



Dr. Yakov Pachepsky
United States Department of Agriculture (USDA)
Agricultural Research Service (ARS)

“Microbial fate on water and soils: perspectives from three decades of research”

The conference is intended to be developed in a non-formal format where Dr. Pachepsky will talk about his experience in the fields of soil physics and microbial occurrence in soil and irrigation water.

BIO:

Dr. Pachepsky is internationally recognised for his great contributions to soil science within a consistent framework that involved fundamental studies based on the first principals in physics and soil physics, field and laboratory scale experiments related to characterisation soil hydraulic properties and the fate of pathogens in soils. He has improved our understanding of soil hydraulic parameters and the ability of pore space properties to improve the prediction capacity of pedotransfer functions.

His outstanding work is extensive and includes pioneering developments of methods and concepts to simulate the transport of water and ions in soils as affected by soil chemical and physical heterogeneities and chemical reactions. This research determined the effects of scale on water flow and solute transport parameters and processes, and research of manure-borne bacteria transport in soils and runoff by suggesting and proving that manure colloids can facilitate this transport.

His contributions to the field of soil physics and soil sciences have been recognised by the Soil Science Society of America who awarded him. He has also been elected as a Fellow of the American Society of Agronomy, Soil Science Society of America, and the American Society for Advancement of Science.

WHERE/WHEN:

2 – MAR - 2020

11.30 h

**Sala Polivalente 1. Edificio Politécnica II.
Universidad de Alicante**

**Departamento de Ingeniería Civil.
Universidad de Alicante**