



Olga Vizika

Olga Vizika holds a Chemical Engineering Diploma and a PhD degree both in Chemical Engineering, from the University of Patras, Greece. She joined Prof Payatakes' group in 1984 and worked on pore scale modeling of two phase flows and residual phase saturations. After a post-doctoral position in Princeton University, NJ, USA, where she worked on the electrohydrodynamics of liquid dielectrics, she joined in 1990 IFP (former Institut Français du Pétrole, presently IFP Energies nouvelles) as a research engineer in Roland Lenormand's group. She worked for several years on the experimental investigation and modeling of transport properties of gravity drainage, gas injection processes, Water Alternate Gas (WAG) processes, gas condensate and depressurization of mature fields. More recently she worked on the modeling of phenomena occurring during reactive flows in porous media with applications to the geological storage of CO₂. Her current research interests include the experimental investigation and modeling of the effect of microstructure and heterogeneities at different scales on the displacement mechanisms and macroscopic flow properties of sandstones and carbonates.

She has authored or co-authored more than 35 papers in peer reviewed journals and more than 70 conference proceedings papers.

She led several European projects as well as bilateral projects with industrial funding.

Technical editor of the Society of Petroleum Engineers publications, member of the organizing, scientific and technical Committees of several SPE ATW et SPE Forums, Chairman of the Technical Committee of the 2003 SCA meeting (Society of Core Analysts), Member of the Fluid Mechanics and Oil Recovery Processes Committee of the Society of Petroleum Engineers, Member of the Management Board of the Society of Core Analysts from 2003 to 2006, where she occupied successively the positions of Vice President Technical, President Elect, President and Past President, she is SPE and SCA member.

In IFP she occupied the position of Head of the Petrophysics Department from 2002 to 2006 and Director of Reservoir Engineering from 2006 to 2012. Since 2013 she is Director of Geosciences at IFP Energies Nouvelles.