

Petroleum Science

It is fair to state that IM-AGIMB was instrumental in promoting scientific interchange among the small number of researchers in Brazil interested in mathematical aspects of petroleum science, and between them and foreign distinguished colleagues, both by planning and promoting symposia and workshops and mutual collaborative visits and joint research. It has fostered further scientific links between these researchers and the international community. As a result, a significantly better understanding of the several multiscale phenomena that occur in flow in porous media has been reached, especially in the nonlinear scale-up problem in petroleum reservoirs. Progress has been made in understanding the wave structure of thermal flow in reservoirs, which is important for the recovery of the existing untouched reserves of very viscous oil. IM-AGIMB has also fostered the advent of a greater number of Ph.D. students in the area of Petroleum Science.