

Fig. 7 a–c From left to right: Micro-CT scan of Ottawa, LV60 sandstone samples showing pores (black) and grains (white), and photomicrograph of Sombbrero beach carbonate sandstone showing pores (black) and grains (gray); CAD representation of the pores and grains; hybrid mesh; and pore-velocity distributions within the pore space

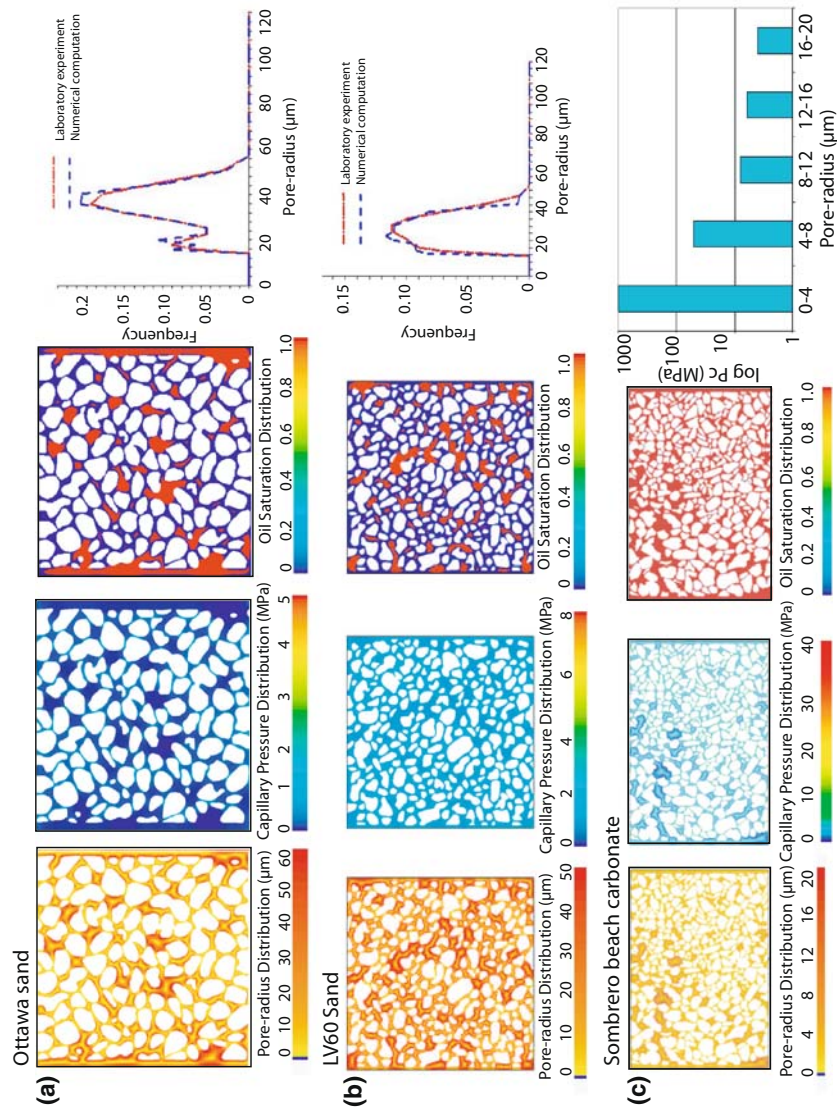


Fig. 10 a–c From left to right: pore radius distribution, red color indicates high pore radius; capillary pressure distribution, light green indicates high P_c ; oil saturation distribution at an assigned pressure of 2, 3, and 30 MPa for Ottawa sandstone, LV60 sandstone, and Sombbrero beach carbonate, respectively; and graphs of pore radius distribution