

Special Issue

Nano Technology Assistance in Operating and Enhancing Oil Recovery

Message from the Guest Editor

This Special Issue (SI) seeks high-quality submissions geared towards advances in the application of nanotechnology for assisting oil recovery. The scope of the submissions covers (but is not limited to) nanofluids, nano-emulsion, nano-foams, subsurface adsorption, transport of NPs, stabilization and surface functionalization, wettability alteration, interfacial tension reduction, modelling of nano-EOR processes, heavy oil degradation, addressing the synergies between NPs, and other EOR techniques, such as CO₂, low salinity, etc. In short, nanofluid interactions, process mechanisms, and the added benefits are the focus of this Special Issue.

Guest Editor

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Message from the Editor-in-Chief

Materials (ISSN 1996-1944) was launched in 2008. The journal covers twenty-five comprehensive topics: biomaterials, energy materials, advanced composites, advanced materials characterization, porous materials, manufacturing processes and systems, advanced nanomaterials and nanotechnology, smart materials, thin films and interfaces, catalytic materials, carbon materials, materials chemistry, materials physics, optics and photonics, corrosion, construction and building materials, materials simulation and design, electronic materials, advanced and functional ceramics and glasses, metals and alloys, soft matter, polymeric materials, quantum materials, mechanics of materials, green materials, general. *Materials* provides a unique opportunity to contribute high quality articles and to take advantage of its large readership.

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