

## 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 CO<sub>2</sub>, low salinity, etc. In short, nanofluid interactions, process mechanisms, and the added benefits are the focus of this Special Issue.

### Guest Editor

Prof. Dr. Aly Anis Hamouda

Department of Energy and Petroleum Engineering, University of Stavanger, 4036 Stavanger, Norway

### Deadline for manuscript submissions

closed (20 August 2023)



## Materials

an Open Access Journal  
by MDPI

Impact Factor 3.1  
CiteScore 5.8  
Indexed in PubMed



[mdpi.com/si/155726](https://mdpi.com/si/155726)

*Materials*

MDPI, Grosspeteranlage 5  
4052 Basel, Switzerland  
Tel: +41 61 683 77 34  
[materials@mdpi.com](mailto:materials@mdpi.com)

[mdpi.com/journal/  
materials](https://mdpi.com/journal/materials)





# Materials

---

an Open Access Journal  
by MDPI

---

Impact Factor 3.1  
CiteScore 5.8  
Indexed in PubMed



[mdpi.com/journal/  
materials](https://mdpi.com/journal/materials)



## About the Journal

### 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.

---

### Editor-in-Chief

Prof. Dr. Maryam Tabrizian

1. Department of Biomedical Engineering, Faculty of Medicine and Health Sciences, McGill University, Montreal, QC H3A 2B6, Canada
2. Faculty of Dentistry and Oral Health Sciences, McGill University, 3640 Rue University, Montreal, QC H3A 0C7, Canada

---

### Author Benefits

#### Open Access:

free for readers, with article processing charges (APC) paid by authors or their institutions.

#### High Visibility:

indexed within Scopus, SCIE (Web of Science), PubMed, PMC, Ei Compendex, CaPlus / SciFinder, Inspec, Astrophysics Data System, and other databases.

#### Journal Rank:

JCR - Q1 (Metallurgy and Metallurgical Engineering) /  
CiteScore - Q2 (Condensed Matter Physics)