



an Open Access Journal by MDPI

Applications of Fractional Nanofluids in Chemical Processes

Guest Editors:

Dr. Ali Ahmadian

Prof. Dr. Massimiliano Ferrara

Prof. Dr. Abdon Atangana

Prof. Dr. Soheil Salahshour

Deadline for manuscript
submissions:

closed (15 June 2022)

Message from the Guest Editors

Dear Colleagues,

Recently, mathematical modeling of nanofluids, representing a novel class of chemical processes that play a vital role in industries and environment, has been widely considered by researchers with attractive and useful applications. Usually, these models are represented in terms of traditional integer-order partial differential equations (PDEs). Note that the traditional PDEs cannot decode the complex behavior of physical chemical processes and memory effects. To address these defects, researchers have focused on fractional dynamic systems of fractional nonfluids in water-cleaning processes.

See more information in <https://www.mdpi.com/si/74199>

Dr. Ali Ahmadian
Prof. Dr. Massimiliano Ferrara
Prof. Dr. Abdon Atangana
Prof. Soheil Salahshour
Guest Editors



[mdpi.com/si/74199](https://www.mdpi.com/si/74199)

Special Issue



an Open Access Journal by MDPI

Editor-in-Chief

Prof. Dr. Eugenia Valsami-Jones

School of Geography, Earth and Environmental Science,
University of Birmingham,
Birmingham B15 2TT, UK

Message from the Editor-in-Chief

Nanoscience and nanotechnology are exciting fields of research and development, with wide applications to electronic, optical, and magnetic devices, biology, medicine, energy, and defense. At the heart of these fields are the synthesis, characterization, modeling, and applications of new materials with lower nanometer-scale dimensions, which we call “nanomaterials”. These materials can exhibit unusual mesoscopic properties and include nanoparticles, coatings and thin films, metal-organic frameworks, membranes, nano-alloys, quantum dots, self-assemblies, 2D materials such as graphene, and nanotubes. Our journal, *Nanomaterials*, has the goal of publishing the highest quality papers on all aspects of nanomaterial science to an interdisciplinary scientific audience. All of our articles are published with rigorous refereeing and open access. We are proud of our increasing impact factor and ability to provide rapid decisions to authors.

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, CAPlus / SciFinder, Inspec, and other databases.

Journal Rank: JCR - Q2 (Physics, Applied) / CiteScore - Q1 (General Chemical Engineering)

Contact Us

Nanomaterials Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland

Tel: +41 61 683 77 34
www.mdpi.com

mdpi.com/journal/nanomaterials
nanomaterials@mdpi.com
[X@nano_mdpi](https://twitter.com/nano_mdpi)