

Special Issue

Rheological Study of Nanofluids

Message from the Guest Editor

Nanofluids are suspensions of nano-metric-sized solid particles dispersed in liquid media. Although colloidal interactions determine the stability of these fluids against sedimentation, hydrodynamic forces are also decisive for the flow behavior of nanofluids.

Science usually precedes effective engineering applications. This is especially applicable to nanofluids considering the broad interest, initiated at the beginning of the new century, to find useful applications. Some of which are related to solar energy, heat transfer, biomedicine, automotive, mass transfer, lubricants, or smart fluids.

In most of these applications, the flow behavior of nanofluids should be well characterized. On the other hand, as nanofluids are non-Newtonian, showing shear-thinning, shear-thickening, or viscoplastic behavior depending on the shear forces they support, this task is clearly justified.

The aim of this Special Issue is to provide a state of the art on the rheological behavior of nanofluids considering the possible correlations between rheological and relevant properties for applications of nanofluids.

Guest Editor

Prof. Dr. Francisco J. Rubio-Hernández

Departamento de Física Aplicada II, Universidad de Málaga, Escuela de Ingenierías Industriales, C/ Doctor Ortiz Ramos s/n, 29071 Málaga, Spain

Deadline for manuscript submissions

closed (15 September 2021)



Processes

an Open Access Journal
by MDPI

Impact Factor 2.8
CiteScore 5.5



mdpi.com/si/30044

Processes
Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
processes@mdpi.com

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





Processes

an Open Access Journal
by MDPI

Impact Factor 2.8
CiteScore 5.5



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



About the Journal

Message from the Editor-in-Chief

You are invited to contribute either a research article or a comprehensive review for consideration and publication in *Processes* (ISSN 2227-9717). *Processes* is published in open access format – research articles, reviews, and other content are released on the internet immediately after acceptance. The scientific community and the general public have unlimited, free access to the content. As an open access journal, *Processes* is supported by the authors and their institutes through the payment of article processing charges (APCs) for accepted papers. We would be pleased to welcome you as one of our authors.

Editor-in-Chief

Prof. Dr. Giancarlo Cravotto

Department of Drug Science and Technology, University of Turin, Via P. Giuria 9, 10125 Turin, Italy

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), Ei Compendex, Inspec, AGRIS, and other databases.

Journal Rank:

CiteScore - Q2 (Chemical Engineering (miscellaneous))