



Nano-Composite Thin Films: Synthesis, Properties, and Applications

Guest Editors:

Prof. Arash Afshar

Department of Mechanical
Engineering, Mercer University,
1501 Mercer University Drive
Macon, GA 31207, USA

Prof. Chad Korach

School of Engineering, University
of Mount Union, 1972 Clark Ave,
Alliance, OH 44601, USA

Deadline for manuscript
submissions:

closed (30 September 2021)

Message from the Guest Editors

Nano-composite thin films are a new generation of coatings that produce desired surface properties and improved functional performance for materials. This Special Issue encompasses three main parts of the development of nano-composite thin films and coatings. The first part deals with the synthesis and fabrication, the second part focuses on the characterization of the properties and performances, and the third part concentrates on the application and importance of nano-composites thin films. The developed coatings can be used in a variety of applications, such as biomedical parts and implants, electronics and sensor technology, optoelectronics, tribology, environmental protection and shielding, energy conversion, medicine, and drug delivery systems. Studies focused on novel methods in the design, synthesis, and deposition of nano-composites thin films, and their advanced materials behavior and performance are highly recommended for publication in this Special Issue.





an Open Access Journal by MDPI

Editor-in-Chief

Prof. Dr. Giancarlo Cravotto

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

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.

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: JCR - Q2 (*Engineering, Chemical*) / CiteScore - Q2 (*Chemical Engineering (miscellaneous)*)

Contact Us

Processes Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland

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

mdpi.com/journal/processes
processes@mdpi.com
[X@Processes_MDPI](https://twitter.com/Processes_MDPI)