

Special Issue

New Research Trends and Developments in Nanostructured Materials: Thin Films and Nanotechnology

Message from the Guest Editors

Due to their distinct, size-dependent physicochemical features, nanostructured thin films have garnered a great deal of attention in recent years. As a result, they have been used as promising materials for a variety of applications, such as electrocatalysis, smart coatings, efficient drug delivery systems, and very sensitive sensors. Nanostructured films have been constructed and produced by adjusting their atomic-molecular 2D and/or 3D aggregation, thickness, crystallinity, and porosity, as well as their optical, mechanical, catalytic, and conductive properties, depending on the applications and the deposition method. Contrarily, there are unanswered questions regarding how the creation of nanomaterials and their daily use may impact the environment and human health. Recently, a great deal of work has been put into the development of nanomaterials that use a variety of tactics to protect, support, and govern the environment, in addition to preventing nanotechnologies and nanomaterials from contributing to environmental contamination. This Special Issue will attempt to cover recent developments in the design of nanostructured films with an emphasis on environmental issues.

Guest Editors

Dr. Mohammed Rasheed

Applied Sciences, University of Technology, Baghdad, Iraq

Dr. Mohammed Abdulhadi Sarhan

Mathematics Science Department, College of Science, Mustansiriyah University, Baghdad, Iraq

Deadline for manuscript submissions

closed (10 September 2023)



Sustainability

an Open Access Journal
by MDPI

Impact Factor 3.3
CiteScore 7.7



mdpi.com/si/142389

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

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





Sustainability

an Open Access Journal
by MDPI

Impact Factor 3.3
CiteScore 7.7



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



About the Journal

Message from the Editor-in-Chief

I encourage you to contribute a research or comprehensive review article for consideration for publication in *Sustainability*, an international Open Access journal which provides an advanced forum for research findings in areas related to sustainability and sustainable development. *Sustainability* publishes original research articles, review articles and communications. I am confident you will find the journal contributes to enhancing understanding of sustainability and fostering initiatives and applications of sustainability-based measures and activities.

Editor-in-Chief

Prof. Dr. Marc A. Rosen

Faculty of Engineering and Applied Science, University of Ontario
Institute of Technology, Oshawa, ON L1G 0C5, 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 and SSCI (Web of Science), GEOBASE, GeoRef, Inspec, RePEc, CAPIus / SciFinder, and other databases.

Journal Rank:

JCR - Q2 (Environmental Studies) / CiteScore - Q1
(Geography, Planning and Development)