



Nanocellulose and Nanocarbons Based Hybrid Materials: Synthesis, Characterization and Applications

Guest Editors:

Dr. Djalal Trache

Teaching and Research Unit of
Energetic Processes, Ecole
Militaire Polytechnique, Bordj-El-
Bahri, Bordj-El-Bahri 16046,
Algiers, Algeria

Prof. Dr. Vijay Kumar Thakur

1. Biorefining and Advanced
Materials Research Centre, SRUC,
Edinburgh EH9 3JG, UK
2. Enhanced Composites and
Structures Center, School of
Aerospace, Transport and
Manufacturing, Cranfield
University, Cranfield MK43 0AL,
UK

Deadline for manuscript
submissions:

closed (31 July 2020)

Message from the Guest Editors

Dear Colleagues,

Since the emergence of nanotechnology in the past few decades, the development and design of hybrid bio-nanomaterials has become an important field of research. Looking at the growing concern about the environment and sustainability, such nanomaterials find many applications in a wide range of domains that influence our society and our way of life. The improvement of properties and the discovery of new functionalities are key goals that cannot be reached without a well-controlled and a better understanding of the preparation, characterization, manufacturing and properties which constitute the starting points of the design of specific and adequate systems. Investigation of nanocellulose/nanocarbons hybrid materials has demonstrated both the academic and technological importance, and offered great research opportunities within cross-disciplinary areas. In our opinion, the applied aspects of such nanomaterials should get proper attention now and bring an interdisciplinary effort to...

For further reading, please follow the link at:
mdpi.com/si/18814

Dr. Djalal Trache
Dr. Vijay Kumar Thakur
Guest Editors





an Open Access Journal by MDPI

Editor-in-Chief

Prof. Dr. Shirley Chiang

Department of Physics, University
of California Davis, One Shields
Avenue, Davis, CA 95616-5270,
USA

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.

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](#), [CAPus / SciFinder](#), [Inspecc](#), and [other databases](#).

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

Contact Us

Nanomaterials Editorial Office
MDPI, St. Alban-Anlage 66
4052 Basel, Switzerland

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

mdpi.com/journal/nanomaterials
nanomaterials@mdpi.com
[X@nano_mdpi](#)