applied sciences

an Open Access Journal by MDPI

IMPACT FACTOR 2.5

CITESCORE 5.3

Current and Future Developments of Composites Materials: Design, Modelling and Manufacturing Technologies

Guest Editor:

Prof. Dr. Anita Catapano
Associate Professor, Bordeaux INP, Université de Bordeaux, Arts et Métiers Institute of Technology, CNRS, INRA, HESAM Université, I2M UMR 5295, F-33405 Talence, France

Deadline for manuscript submissions:
closed (30 September 2021)

Message from the Guest Editor

During the last thirty years, composite materials have been widely used in different industrial sectors due to their excellent properties in terms of lightness, stiffness, static and fatigue strength, the possibility of designing the material to satisfy prescribed requirements, etc. Recent developments in terms of manufacturing technologies (e.g., out-of-autoclave curing, automated fibre placement and automated tape laying, continuous filament fabrication and other similar additive manufacturing processes, etc.) and material constituents (e.g., renewable raw materials, multi-functional materials, etc.) try to reach these objectives.

This Special Issue aims to provide a clear picture of the research progress on recent and future developments in the field of composites materials. Research articles on analytical, numerical and experimental works aiming at characterising, modelling and designing non-conventional composite materials and manufacturing processes are welcome.

- composite materials
- multi-functional composites
- agglomerates
- out-of-autoclave curing
- automated fibre placement
- additive manufacturing
- 4D composites
- biobased composites
- smart composites

mdpi.com/si/52214

Special Issue

applied sciences

IMPACT FACTOR 2.5

CITESCORE 5.3

an Open Access Journal by MDPI

Editor-in-Chief

Prof. Dr. Giulio Nicola Cerullo
Dipartimento di Fisica, Politecnico di Milano, Piazza L. da Vinci 32, 20133 Milano, Italy

Message from the Editor-in-Chief

As the world of science becomes ever more specialized, researchers may lose themselves in the deep forest of the ever increasing number of subfields being created. This open access journal Applied Sciences has been started to link these subfields, so researchers can cut through the forest and see the surrounding, or quite distant fields and subfields to help develop his/her own research even further with the aid of this multi-dimensional network.

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), Inspec, CAPlus / SciFinder, and other databases.
Journal Rank: JCR - Q1 (Engineering, Multidisciplinary) / CiteScore - Q1 (General Engineering)

Contact Us

Applied Sciences Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland

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

mdpi.com/journal/applsci
applsci@mdpi.com
𝕏@Applsci