# Special Issue

# Green Composite Materials: Design, Application, and Recycling

### Message from the Guest Editors

Eco-friendly composite materials are sustainable alternatives to traditional materials, designed to minimize negative environmental impacts throughout their entire life cycle. These composites are based on a matrix (often biodegradable or recycled polymers) and natural reinforcements (such as plant fibers, cellulose, shells, or agro-industrial waste). The design of these materials focuses on optimizing their mechanical, thermal, and biodegradable properties, maintaining a balance between technical performance and environmental sustainability. In terms of application, eco-friendly composites are used in sectors such as construction, automotive, packaging, agriculture, and biomedicine. Our objective is to bring together original research, critical reviews, and recent technological developments regardubg the design, manufacturing, applications, and recycling of eco-friendly composite materials, with an emphasis on their contribution to sustainability, the circular economy, and reductions in environmental impact in key sectors such as construction, packaging, transportation, agriculture, and health.

### Guest Editors

Prof. Dr. Salvador García-Enriquez

Dr. José Guillermo Torres-Rendón

Dr. Joamin Gonzalez-Gutierrez

### Deadline for manuscript submissions

20 March 2026

**Applied Sciences**

an Open Access Journal by MDPI

Impact Factor 2.5
CiteScore 5.5

mdpi.com/si/251667

*Applied Sciences*
Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
applsci@mdpi.com

mdpi.com/journal/applsci

# Applied Sciences

an Open Access Journal by MDPI

Impact Factor 2.5
CiteScore 5.5

mdpi.com/journal/applsci

MDPI

# About the Journal

## 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.

## Editor-in-Chief

Prof. Dr. Giulio Nicola Cerullo
Dipartimento di Fisica, Politecnico di Milano, Piazza L. da Vinci 32, 20133 Milano, 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, CAPlus / SciFinder, and other databases.

**Journal Rank:**

JCR - Q2 (Engineering, Multidisciplinary) / CiteScore - Q1 (General Engineering )