

Special Issue

Plant Fibers in Green Composites: Processing, Properties and Applications

Message from the Guest Editors

This Special Issue elucidates the overall properties of plant fibers in terms of their composition, structure, available sources and classification, along with the properties of the composites derived from those plant fibers. Articles concerning the following topics fall under the scope of this Special Issue:

- Plant fiber extraction methods;
- Surface modification techniques of plant fibers;
- Fiber/matrix interface engineering in plant fiber composites;
- Processing methods of plant fiber composites;
- Plant-fiber-based hybrid composites;
- Mechanical properties of plant fiber composites;
- Thermal properties of plant fiber composites;
- Tribological properties of plant fiber composites;
- Water absorption properties of plant fiber composites;
- Morphological properties of plant fiber composites;
- Lifecycle assessment of plant fibers and their composites;
- Finite element modeling of plant fiber composites;
- Machining and machinability of plant fiber composites;
- Industrial applications of plant fiber composites.

Guest Editors

Prof. Dr. Manickam Ramesh

Department of Mechanical Engineering, KIT-Kalaignarkaranidhi Institute of Technology, Coimbatore 641402, Tamil Nadu, India

Dr. Lakshminarasimhan Rajeshkumar

Department of Mechanical Engineering, KPR Institute of Engineering and Technology, Coimbatore 641407, Tamil Nadu, India

Deadline for manuscript submissions

closed (30 November 2023)



Sustainability

an Open Access Journal
by MDPI

Impact Factor 3.3
CiteScore 7.7



mdpi.com/si/139686

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)