



The Sustainability Challenges in Polymer Composite Materials: Bio-Based Materials, Recycling, and Life Cycle

Guest Editors:

Dr. Marco L. Longana

Bristol Composites Institute,
University of Bristol, Tyndall Ave,
Bristol BS8 1TH, UK

Prof. Dr. Angela D. La Rosa

Department of Manufacturing
and Civil Engineering, Norwegian
University of Science and
Technology (NTNU),
Teknologivegen 9, 2815 Gjøvik,
Norway

Dr. Linn Berglund

Wood and Bionanocomposite
group, Luleå University of
Technology, 97187 Luleå,
Sweden

Deadline for manuscript
submissions:

closed (30 December 2021)

Message from the Guest Editors

The 12th Sustainable Development Goal, set by the United Nations General Assembly in 2015 and intended to be achieved by 2030, is to “ensure sustainable consumption and production patterns”. Though polymer composite materials, with their high specific mechanical properties and environmental resistance, are an effective weight-saving solution, they are generally traditionally oil-based, obtained through energy-intensive and resource-demanding processes and hardly recyclable. To be able to meet our current needs without compromising the ability of future generations to meet their needs, it is necessary to implement, and unequivocally evaluate, sustainable scientific and technical solutions and implement the circular economy model.

This Special Issue of Sustainability is dedicated to the work of research groups around the world in the field of composite materials.

The overall ambition of this Special Issue is to propose a holistic view of the lifecycle of polymer composites and to promote the choice of more sustainable solutions.





an Open Access Journal by MDPI

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

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.

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, AGRIS, RePEc, CAPlus / SciFinder, and other databases.

Journal Rank: JCR - Q2 (*Environmental Studies*) / CiteScore - Q1 (Geography, Planning and Development)

Contact Us

Sustainability Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland

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

mdpi.com/journal/sustainability
sustainability@mdpi.com
[X@Sus_MDPI](https://twitter.com/Sus_MDPI)