

Special Issue

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

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.

Guest Editors

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Deadline for manuscript submissions

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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. The journal publishes original research articles, reviews, conference proceedings (peer reviewed full 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. Steve W. Lyon

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