



Natural Fiber Based Composites

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Deadline for manuscript submissions:

closed (1 June 2021)

Message from the Guest Editor

This Special Issue has the objective to give an inventory of the latest research in the area of composites reinforced with natural fibers. Fibers of renewable origin have many advantages.

In this way, original manuscripts presenting the last developments in the field of natural fiber-based composites are welcome. In addition to the use of natural fibers, that of renewable matrices is strongly recommended but not mandatory. New data dealing with their aging behavior, recyclability, biodegradability, and life cycle assessment will be highly appreciated.

In particular, the topic of interest includes but is not limited to:

- Cellulosic and lignocellulosic fibers
- Composite materials reinforced with renewable fibers
- Preparation and molding processes of natural fiber-based composites
- Thermo-mechanical characterization of natural fiber-based composites
- Aging behavior of natural fiber based composites
- Recyclability of natural fiber based composites
- Biodegradability of natural fiber based composites at end of life
- Life cycle assessment





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Message from the Editorial Board

Now more than ever, research is asked to deliver knowledge and technologies to solve the major challenges faced by our society. The development of new materials and devices for (without the ambition to be exhaustive) energy, health and food technology, together with the need for establishing processes that reduce the impact on critical resources and the environment, is indeed in the spotlight of most contemporary research. Surface science and engineering play a key role in this regard, with an incredible potential in delivering new and deep scientific understanding and technical solutions essential to solve most of the major societal challenges.

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