

Special Issue

Addressing Sustainability with Material Science and Engineering

Message from the Guest Editor

Modern advances in material science and engineering have improved the quality of life for people across the globe. However, this comes at the cost of having to deal with “forever” chemical compounds and materials that may have negative impacts on human health and the environment. The biggest challenge is to develop new, benign materials with equal or superior properties for replacing the existing harmful materials. These future materials could (1) be produced with less-toxic, lower-energy, and carbon-neutral production methods; (2) while the materials are in circulation, they are harmless to human health and the environment; and (3) at the end of use, the materials could be disposed either through natural biodegradation or industrial recycling processes. We welcome papers that report on the development of new materials as described above, and papers that deal with either the valorization or environmentally safe methods of disposal and recycling materials. Ultimately, we envision that this Special Issue could serve as the scientific basis for emerging technology, governmental policy, and societal value shifts toward sustainable economic development.

Guest Editor

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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.

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