Special Issue

Additive Manufacturing: Pathways to Sustainable Logistics, Decarbonization and Energy Conversion

Message from the Guest Editors

In additive manufacturing (AM) processes, there is a steadily increasing use of modern devices, information tools and eco-friendly materials that characterize the industry's transformation toward sustainable logistics, decarbonization and energy conversion. In the face of global challenges related to climate change and the growing demand for sustainable solutions, AM emerges as innovations with far-reaching impacts. AM technologies offer new opportunities to improve the efficiency of logistics systems and create advanced materials that can significantly reduce CO2 emissions, enhance energy efficiency and optimize processes across the entire supply chain. Therefore, the primary aim of this Special Issue is to create a forum where scientists and practitioners can share the latest advancements and identify key issues in the use of AM technologies for sustainable practices. We warmly invite scientists, engineers and industry specialists to submit their work for this Special Issue titled “Additive Manufacturing: Pathways to Sustainable Logistics, Decarbonization and Energy Conversion.”

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Message from the Editor-in-Chief

Materials (ISSN 1996-1944) was launched in 2008. The journal covers twenty-five comprehensive topics: biomaterials, energy materials, advanced composites, advanced materials characterization, porous materials, manufacturing processes and systems, advanced nanomaterials and nanotechnology, smart materials, thin films and interfaces, catalytic materials, carbon materials, materials chemistry, materials physics, optics and photonics, corrosion, construction and building materials, materials simulation and design, electronic materials, advanced and functional ceramics and glasses, metals and alloys, soft matter, polymeric materials, quantum materials, mechanics of materials, green materials, general. *Materials* provides a unique opportunity to contribute high quality articles and to take advantage of its large readership.

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