

Special Issue

Transforming Materials Industries for a Sustainable Future

Message from the Guest Editors

Decades of innovations have allowed foundation material industries to manufacture materials at a higher volumes and reduced costs. However, the need for long-term sustainability has become the most important challenge, not just for the present, but for the decades to come. Foundation material industries must transform to preserve and generate social, environmental and economic value throughout the consecutive lifecycles of materials within economies. This Special Issue will focus on the emerging concepts of circular economy and industrial symbiosis in foundation material industries, and concerns all aspects related to reducing resource use, energy efficiency, waste minimisation and valorisation, designing longer lasting products and reprocessing materials. It also deals with research on the development of novel materials and processes that enable more sustainable lower-energy and lower-carbon processes, supported by innovation in collaboration and business models, the supply chain and governance.

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Message from the Editorial Board

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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