Special Issue

Industrial Waste Recycling for Novel Sustainable Construction and Environmental Materials

Message from the Guest Editors

Waste generation has massively increased around the world in recent decades, and it shows no signs of slowing. Due to the presence of such immense volumes of waste, the need for our society to develop adequate waste treatment and disposal technology has become ever more important. However, less than 20 percent of waste is recycled each year, with huge quantities still sent to landfill sites. Sustainable alternatives are urgently required to replace cement in construction applications, as is the development of environmental materials. Therefore, the application of wastes for novel sustainable construction and environmental materials is a hot topic in the current research. To solve the above-mentioned problems, appropriate analytical and technical solutions for waste utilization and pollutant control urgently need to be developed. This Special Issue is focused on the development of new technology for waste management and the control of emerging pollutants, as well as for the description of detailed related mechanisms.

Guest Editors

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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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