Special Issue

Efficient Utilization of Metal Waste and Other Solid Waste

Message from the Guest Editors

One of the elements determining the sustainable development of civilization is the appropriate quantity and quality of metals used in the construction of new engineering solutions. Due to dwindling resources, producing metals from primary raw materials is becoming more and more expensive for manufacturers and poses an increasing burden on the natural environment. Therefore, it is necessary to effectively replace this type of raw material with the effective use of metal scrap and other secondary raw materials that are carriers of metals, including rare and critical ones. By recycling this type of waste, we reduce the number and size of places needed for their safe storage, and when used in metal production technological processes, we provide the necessary energy, either replacing natural minerals or with the material supplementing raw materials. The Special Issue provides access to the latest, breakthrough technologies in the field of use and utilization of secondary raw materials.

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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