

Special Issue

Corrosion and Protection of Materials

Message from the Guest Editor

The economic impact of materials corrosion has constantly increased as the GDP has grown during the years. It can be concluded that the application of corrosion prevention strategies must be improved, which entails a transition from the corrosion mechanism to in-field applications. New materials and technologies (high-entropy alloys, ultra-fine-grained metals, innovative smart coatings, new joining technologies, and additive manufacturing) surely open new outlooks in the corrosion science and engineering panorama, which is moving from well-consolidated knowledge towards exciting new challenges. The aim of this Special Issue is to give an updated outlook of the main corrosion-protection topics regarding both traditional and innovative materials. Full papers, communications, and reviews reporting the results of more traditional tests based on weight loss or electrochemical techniques as well as more innovative local corrosion techniques (microcell, SKPFM, etc.) and failure analysis are expected.

Guest Editor

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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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