Special Issue

Basic Research and Application of Corrosion Inhibitors

Message from the Guest Editor

Corrosion inhibitors are substances that are used to slow down or prevent the degradation of materials caused by corrosion. Corrosion inhibitors work by forming a protective barrier on the surface of the metal, thus reducing the rate of corrosion. The aim of this issue is to consolidate recent findings related to corrosion and the deterioration of materials and to give the opportunity to researchers to publish their latest results on understanding or solving the corrosion problems of materials using corrosion inhibitors complemented by theoretical approaches. We invite high-quality original papers and critical reviews. Potential topics include, but are not limited to, the following areas:

- Corrosion fundamentals;
- Corrosion mechanisms;
- Industrial processes;
- Corrosion inhibition;
- Corrosion monitoring techniques;
- Surface characterization;
- Theoretical approaches.

Guest Editor

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Deadline for manuscript submissions

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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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