Message from the Guest Editor

Corrosion resistance depends on numerous determinants, depending on material structure and chemistry, but also on complex environmental factors. It is highly challenging to obtain consensus between high resistance and economic factors. On the other hand, inadequate levels of corrosion control create serious hazards to life and the environment.

The Special Issue “Recent Advances in Corrosion Science” is aimed at presenting a collection of original research and reviews focused on current engineering problems and discussing the available solutions on the topic of corrosion failure mechanisms, advances in corrosion protection and evaluation techniques ranging from industrial to nanoscale applications.

Keywords

- Electrochemistry of corroding interfaces
- Local corrosion processes at the micro- and nanoscale
- Electrochemical protection of metals
- Industrial-scale processes and corrosion monitoring
- Advances in corrosion measurement techniques
- Corrosion-resistant coatings and their characterization
Editor-in-Chief

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Message from the Editor-in-Chief

Materials (ISSN 1996-1944) was launched in 2008. The journal covers fourteen comprehensive topics: Biomaterials; Energy Materials; Composites; Structure Analysis; Porous Materials; Manufacturing Processes; Advanced Nanomaterials; Smart Materials; Thin Films; Catalytic Materials; Carbon Materials; Materials Chemistry; Materials Physics; Optics and Photonics; Corrosion; Building Materials. The distinguished and dedicated editorial board and our strict peer-review process ensure the highest degree of scientific rigor and review of all published articles.

Materials provides an unique opportunity to contribute high quality articles and to take advantage of its large readership.

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