

Special Issue

Protective Coatings for Metallic Materials

Message from the Guest Editors

Metallic materials such as titanium alloys, steels, aluminum and magnesium alloys are employed in many fields, such as the automotive industry, aviation or biomedical engineering. However, their performance and longevity are often compromised by corrosion, wear, and extreme environmental conditions. Protective coatings offer a critical solution, enhancing the durability, functionality, and sustainability of metal substrates. Recent advances in coating technologies—such as nanostructured films, self-healing polymers, and eco-friendly alternatives—have provided new opportunities for innovation. We welcome the submission of original research articles and reviews that address fundamental challenges and emerging trends in this field. Contributions that highlight interdisciplinary approaches or industrial case studies are particularly welcome. Join us in advancing the science and technology of protective coatings in order to meet the demands of modern engineering applications.

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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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