Special Issue

State of the Art: Surface and Coating Technologies

Message from the Guest Editors

The progress in surface and coating engineering is closely related to the development of modern materials, and enables the dynamic development of innovative technologies for producing products with improved surface properties. Of particular interest are new methods of modifying mechanical and physical properties and improving resistance to aggressive environmental conditions. Among these, the methods of modern thermo-chemical treatment; surface modification by directed energy techniques (laser beam, electron beam, ion beam); mechanical methods (e.g., friction stir processing); the production of thin films by PVD, CVD, and ALD methods; and the production of coatings by sol–gel, thermal spraying, or cold gas spraying are of great importance. In this Special Issue of *Materials*, we want to present innovative achievements in the field of surface and coating technologies, which will allow the exchange of experiences and inspire further development of material technologies. We invite you to submit full scientific articles as well as articles that present a critical review of the literature on modern surface and coating technologies.

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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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