Special Issue

Surface Technology and Coatings Materials

Message from the Guest Editors

Functional and protective coatings and surfaces play a crucial role in various industries due to their versatile chemical and physical properties. Coatings and surfaces formed by novel surface engineering techniques offer a unique blend of durability and customizable functionalities. This distinctive combination makes innovative coatings and surfaces well-suited for applications across aerospace, automotive, construction, and other sectors. The capacity to finely adjust properties such as abrasion resistance, adhesion, corrosion protection, thermal insulation, or optical clarity enables tailored solutions that precisely meet the demands of diverse applications. This Special Issue, titled “Surface Technology and Coatings Materials”, concentrates on the latest progress in modelling, manufacturing, modification, and characterization of novel surfaces and coatings with functional properties utilized in demanding sectors such as aviation, the automotive industry, offshore wind energy production, and many others. Researchers interested in these domains are encouraged to contribute original research papers or comprehensive reviews to this Special Issue.

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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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