

Special Issue

Material Surfaces and Interactions: Structure, Properties, Processes and Applications

Message from the Guest Editors

Growing demand and the need for energy efficiency, durability and sustainability has led to the realisation of the major role that surfaces and interfaces play during applications. Significant attention has been devoted to material surfaces, optimisation, and engineering through the latest technological and engineering solutions. Surfaces within static components, structures and complex interacting systems are subject to failures due to fatigue, fracture, stress corrosion cracking, corrosion and wear. Scientists, engineers and designers have been continually working to optimise surfaces by enhancing materials properties, employing special processes, surface modifications using technologies such as lasers, and surface engineering, employing a range of coating techniques and coatings. This Special Issue is focused on disseminating and showcasing the latest findings in terms of new developments in material surfaces. Therefore, I welcome original research papers, reviews covering the state of the art (by invite only) and short communications addressing key issues within the context of material surfaces applied in static and interacting operating conditions.

Guest Editors

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Deadline for manuscript submissions

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About the Journal

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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