

Special Issue

Sustainable Surface Engineering for Functional Applications: Anti-corrosion and Tribological Systems, Responsive Interfaces, and Biomedical Devices

Message from the Guest Editors

Surface engineering has been generally defined as an enabling technology that encompasses the optimization of surface properties, development and characterization of coatings and modified surfaces. Being an important area of research and development, surface engineering has a multidisciplinary scope with extended branches from chemistry, materials, physics, and biology to mechanical and biomedical engineering, among others. This area is of interest to a myriad of industry sectors, such as mobility/transportation, metallurgy, and health, where new materials and surface technology solutions with environmentally friendly production methods are compelling.

Technology development thus far includes design, synthesis and characterization of corrosion and wear-resistant coatings, room and high-temperature low friction and self-lubricating coatings, antimicrobial surfaces, smart coatings, anti-sticking coatings, etc. This Special Issue is designed precisely to cover recent developments in these areas, as applied to any of the foregoing (or related) fields. Research articles, short communications or reviews exemplifying any of those developments would be very welcome.

Guest Editors

Prof. Dr. João Tedim

CICECO-Aveiro Institute of Materials, Department of Materials and Ceramic Engineering, University of Aveiro, Aveiro, Portugal

Prof. Dr. Mário Ferreira

Department of Materials and Ceramic Engineering, CICECO-Aveiro Institute of Materials, University of Aveiro, Campus University of Santiago, 3810-193 Aveiro, Portugal

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Applied Sciences
Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
applsci@mdpi.com

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Message from the Editor-in-Chief

As the world of science becomes ever more specialized, researchers may lose themselves in the deep forest of the ever increasing number of subfields being created. This open access journal Applied Sciences has been started to link these subfields, so researchers can cut through the forest and see the surrounding, or quite distant fields and subfields to help develop his/her own research even further with the aid of this multi-dimensional network.

Editor-in-Chief

Prof. Dr. Giulio Nicola Cerullo
Dipartimento di Fisica, Politecnico di Milano, Piazza L. da Vinci 32,
20133 Milano, Italy

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