Special Issue

Self-Cleaning Surfaces

Message from the Guest Editors

Although self-cleaning technology is already used in a variety of products today (glass and ceramic tiles, anti-fogging mirrors, pollutant-abating paints, et al), there is still a need for improved performance characteristics of coatings, their durability, cost efficiency and relevant testing methods. This is a driving force in the development of new materials, for finding innovative synthesis and technological solutions, as well as understanding the functional-to-properties relationships, which all may reflect in your scientific contributions to this Special Issue. Regarding photoactive coatings, the development of visible-light-active surfaces is crucial for indoor applications, while for outdoor applications an increase of the efficiency of active materials under solar light and prolongation of their durability are still the hot topics in present research. The self-cleaning function is mainly based on either superhydrophobic or photocatalytic-superhydrophilic surfaces, however, other proposals and related studies are also welcome. It is our pleasure to invite you to contribute your research article, communication or review for this Special Issue.

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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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