



Advanced Functional Coatings for Photocatalytic and Self-Cleaning Applications

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Message from the Guest Editors

The goal of this Special Issue is to explore the most emerging research in the field of photocatalysis and self-cleaning function, and is mainly devoted to applications related to the control and remediation of environmental pollution.

Welcome are all research works that address the novelty and challenges of the improvement of synthesis and characterization methods of new photocatalyst architectures to work under solar light irradiation. For a given application, the new photocatalyst architectures should be able to increase the photodegradation of pollutants in both the gas and liquid phase and also promote the self-cleaning function of photoinduced superhydrophilic or superhydrophobic surfaces.

The potential use of photocatalysis for degradation of pollutants, both in the gas and liquid phase, is enormous, but this issue is particularly focused on applications in which the target is the water or air removal of pollutants; in particular, the use of surfaces functionalized with new photocatalysts, which act as photocatalyst-specific immobilizer supports.

