

Special Issue

Applications of Self-Cleaning Photocatalytic Coatings

Message from the Guest Editor

Chemical coating and surface structuring are among the primary strategies employed to achieve self-cleaning functionality. In particular, photocatalytic coatings exhibit potential in a wide range of self-cleaning applications, including photovoltaics, automobiles, architectural glass, and buildings. This Special Issue focuses on surface coatings and films that incorporate photocatalytic properties and/or surface structuring to enhance their self-cleaning performance. We welcome the submission of original research and reviews on the following topics:

- Photocatalytic coatings and films for self-cleaning applications;
- Surface coatings and structuring techniques for self-cleaning surfaces;
- Development and innovation in photocatalytic coating technologies;
- Advances in self-cleaning surface and coating materials;
- Antifogging materials and mechanisms.

Guest Editor

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About the Journal

Message from the Editorial Board

Now more than ever, research is asked to deliver knowledge and technologies to solve the major challenges faced by our society. The development of new materials and devices for (without the ambition to be exhaustive) energy, health and food technology, together with the need for establishing processes that reduce the impact on critical resources and the environment, is indeed in the spotlight of most contemporary research. Surface science and engineering play a key role in this regard, with an incredible potential in delivering new and deep scientific understanding and technical solutions essential to solve most of the major societal challenges.

Coatings is a well-established, peerreviewed, online journal dedicated to the vibrant field of surface science and engineering. Coatings publishes original research articles that report cutting-edge results and review papers that make the point on the hottest research topics.

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