

Special Issue

Advanced Photo- and Electrocatalytic Surface Applications

Message from the Guest Editor

Energy transition and green processes are included in the 2030 Sustainable Development Goals of the United Nations. Catalytic systems, in particular, photo- and electrocatalytic processes, are capitally important in the present economic and energetic context. One of the biggest challenges of scaling-up catalytic processes is related to the use of catalysts in slurry. Immobilizing the catalyst can solve these problems, making it possible to reuse and avoid centrifugation/filtration steps after the reaction. It is of the utmost importance to investigate immobilization techniques that are able to produce stable and adhered films with good catalytic activity. We are pleased to invite you to publish in this Special Issue on photo- and electrocatalytic applications using catalysts in the form of coatings. In this Special Issue, original research articles and reviews are welcome. Research areas may include but are not limited to, the following: photocatalysis, electrocatalysis, thin films, chemical vapor deposition, physical vapor deposition, and chemical functionalization processes. We look forward to receiving your contributions.

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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