

## Special Issue

# Synthesis, Characterization, Functional Properties, and Applications of Nanoparticles and Nanostructured Systems

### Message from the Guest Editors

This Special Issue aims to gather reviews and articles on the latest research focused on the synthesis, surface characterization, functional properties and application of nanoparticles and nanostructured coatings. These materials may present at least one dimension on the nanometer scale, which can either lead to the onset of novel phenomena or hold promise for applications in the fields of green energy, optics, and spintronics. Hence, potential topics include, but are not limited to, the following:

- The synthesis of a variety of nano-sized composites such as organic and inorganic coatings, thin films, 2D materials, and nanoparticles.
- An emphasis on emergent materials or on cutting-edge techniques to explore their unique properties.
- Ways to predict the next generation of nanostructured coatings: multifunctional vs. novel phenomena.
- Characterization of structure, chemical composition, surface, and interface properties.

### Guest Editors

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### Deadline for manuscript submissions

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## Coatings

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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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### Editors-in-Chief

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