

## Special Issue

# State of the Art on Coatings, Thin Films, Nano Materials and Structures: Production and Applications

### Message from the Guest Editor

Coatings, thin films and nano-materials and -structures are playing a crucial and ever-increasing role in engineering, medicine and the widest range of industrial applications. New improved production and characterization technics as well as better modelling tools are constantly being developed. Topics covering but are not limited to the following concepts:

- Coatings and thin films
- Production and deposition methods
- Characterization of coatings, thin films and nanostructures
- Theoretical analysis
- Computer modeling and simulation to predict coating' properties, performance, durability and reliability
- Laser, chemical and thermal treatment and processing of surfaces and coatings
- Degradation mechanisms of coatings
- Functional and multifunctional coatings
- Smart materials
- Nanostructured coatings
- Nanotechnology, science and engineering
- Nano-coatings and -structures for photonics
- Organic, inorganic and hybrid coatings
- Composite materials
- Coatings and thin films for sensing

### Guest Editor

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### Deadline for manuscript submissions

closed (31 December 2021)



## 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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