

## Advances of Nanoparticles and Thin Films

Guest Editors:

### Message from the Guest Editors

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Nanoparticles and thin films are currently among the most active research fields in materials sciences for technological applications. It is our great pleasure to invite you to submit a manuscript to this Special Issue. Full papers, communications, and reviews contributing to the synthesis, characterization, and/or applications of thin films and nanoparticles are all welcome.

Potential topics include but are not limited to the following:

Deadline for manuscript  
submissions:

**closed (20 May 2024)**

- Metals, metal oxides, semiconductors, dielectrics, carbon and polymeric nanoparticles, and thin films;
- Properties of organic and/or inorganic nanomaterials;
- Synthesis including wet (solution processing), dry (chemical and physical vapor depositions), and/or lithography methods;
- Development of new processing procedures in order to produce high-quality systems;
- Characterization by conventional and/or unconventional methods;
- Correlation of electronic properties with synthesis conditions;
- Applications and devices.



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# Special Issue

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## Message from the Editorial Board

Now more than ever, research is called for to produce technologies and improve knowledge 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 at the center of most contemporary research. Surface science and engineering play a key role in this regard. Refining surfaces and their modifications provides new materials, architectures and processes with a huge potential to aid most societal challenges. *Coatings* is a well-established, peer-reviewed, online journal that focuses on the dissemination of publications in the field of surface science and engineering. *Coatings* publishes original research articles that report cutting-edge results and review papers on the hottest topics.

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