

Recent Advances in Metallic Thin Films and Current Applications

Guest Editor:

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Message from the Guest Editor

Dear Colleagues,

There has been a steady increase in the technological and societal impact of metallic thin films on material-based design and related research. This Special Issue welcomes a wide range of contributions that involve the deposition, synthesis, and characterization of metallic (plasmonic and nonplasmonic) of thin films on rigid or flexible substrates and their applications in detection platforms/sensors, nanostructured/tri-dimensional devices, or advanced nanomaterials. The topics should be related (but are not limited) to the following:

Fabrication of metallic thin films using modern top-down/bottom-up approaches.

Flexible sensors based on metallic thin films: from advanced fabrication methods to real-life applications

Porous metallic thin films: theoretical and experimental aspects.

Highly ordered nanostructured surfaces based on metallic thin films.

Electrochemical and optical sensors based on noble metallic thin films.

Modeling and design of plasmonic thin films.



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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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