



Advances in Flexible Films and Coatings

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Message from the Guest Editors

Dear Colleagues,

The Special Issue will concern the fabrication, properties, and applications of flexible thin films, coatings, and membranes. For example, rapidly developing printable electronics and sensorics opens new fields and creates challenges that stimulate the search for new materials with novel properties. In particular, it is necessary to find the analogs of conventional electronic elements, circuits, and devices. Therefore, advanced fabrication, patterning and functionalization methods are demanded for future progress in the field of flexible materials.

In particular, the topics of interest include, but are not limited to :

- Flexible thin films, composites and polymers;
- Free standing membranes;
- Advanced fabrication, patterning and functionalization techniques;
- Bendable and stretchable coatings;
- Flexible electronics and sensorics;
- Printable electronics;
- Membranes for medical and environmental applications.

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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.

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