Special Issue

Surface and Coating Technologies for Flexible Electronic Devices

Message from the Guest Editor

Surface engineering plays a critical role in the advancement of flexible electronic devices. Despite their widespread applications in consumer electronics, medical and energy industries, research interest in flexible electronics continues to grow as the technology evolves. The performance, reliability and functionality of flexible electronics are profoundly influenced by the surface properties of both functional materials and substrates. Advanced control of material surfaces is crucial to address challenges in flexible electronics, including mechanical durability, electrical performance and material compatibility. Research areas may include:

- Novel surface modification techniques for flexible substrates;
- Novel thin-film deposition/coating materials and characterization;
- Conductive materials for flexible electronics;
- Surface patterning of functional materials;
- Interface engineering between functional materials and substrates;
- Integration strategies for flexible electronics;
- Biocompatible coatings for flexible electronics.

Guest Editor

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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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