



Thin Films and Interfaces for Bioelectronics

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Message from the Guest Editor

Dear Colleagues,

This Special Issue is accordingly aimed at collecting research papers, reviews, and perspective articles describing recent advances in the field of bioelectronics based on organic and hybrid organic–inorganic films and interfaces, and fabrication using conventional and enhanced methods. In particular, the topics of interest include, but are not limited to:

- Manufacturing/characterization of (flexible) bioelectronic devices such as electrolyte-gated, ion sensitive and electrochemical transistors, screen-printed electrodes;
- Biosensing based on different biorecognition elements and electrochemical/electrical transduction strategies;
- Bioelectronic interfaces;
- Deposition techniques of organic films and/or interfaces;
- Drug delivery;
- Bioelectronics textile and wearable biosensors;
- Materials and interfaces for bioelectronics;
- Thin films for cellular and/or tissue interfacing.

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Guest Editor





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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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