



Functional Materials, Coatings, and Systems for Bioelectronics

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Message from the Guest Editor

Modern electronic devices with excellent flexibility carry tremendous promise in the field of bioelectronics as they can conformally integrate with the human body, a valuable feature for unique therapeutic or diagnostic intervention. This Special Issue will consider the fabrication, properties, and applications of such systems, including multimodal skin-interfaced technologies, wireless implantable electronics, geometry to integrate dynamic surfaces, materials for long-term operation in the body, and novel electrode design for clear signal collection. The theme is broad enough to cover all aspects, from materials to the device system, and to discuss their form and the engineering structures integrated into them.





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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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