Special Issue

Novel Applications of Organic Bioelectronics

Message from the Guest Editors

More than fifty years have passed since the discovery of high conductivity in polyacetylene, an event that is traditionally considered as the starting point of Organic Electronics. Nowadays, organic electronic devices are ubiquitous and represent a scientific and technological field that is constantly expanding. Particularly promising, in terms of potential future applications, is the field of Organic Bioelectronics, which constitutes a bridge between biological systems and human-made organic electronic devices. Thanks to their unique ability to interact with biomolecules and cells, organic materials are being actively investigated for a wide variety of applications where they can be used for detection purposes but also in a more active way to control and tune the properties of living cells and tissues.

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As the world of science becomes ever more specialized, researchers may lose themselves in the deep forest of the ever increasing number of subfields being created. This open access journal Applied Sciences has been started to link these subfields, so researchers can cut through the forest and see the surrounding, or quite distant fields and subfields to help develop his/her own research even further with the aid of this multi-dimensional network.

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