



Molecular Advances in Bioelectrochemistry

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Message from the Guest Editor

The Special Issue aims to highlight the new interactions between biological systems and electrodes; this involves the study of electron transfer processes in biological molecules, which has applications in various fields such as energy conversion, biosensors, and biofuel cells. Molecular advances in bioelectrochemistry encompass a wide range of research areas, including the development of novel materials, our understanding of electron transfer mechanisms, and exploring applications in biotechnology. The molecular advances in bioelectrochemistry contribute to the development of innovative technologies with applications in energy storage, sensing, and biomedical devices.

This Special Issue welcomes contributions addressing, but not limited to, the following topics: electron transfer in biological systems, bioelectrochemical sensors and biosensors, electroactive biomolecules, nanomaterials in bioelectrochemistry, enzyme engineering for biofuel cells, redox-active polymers, and molecular dynamics and simulation studies for bioelectrochemistry reactions.





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Message from the Editor-in-Chief

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