



## Bioelectrochemical Systems for Light Energy Conversion

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submissions:

**closed (30 November 2021)**

### Message from the Guest Editor

Dear Colleagues,

The rising environmental concerns have stimulated a considerable focus towards sustainable energy and green chemistry production. Light-driven bioelectrocatalysis is a multidisciplinary and timely subject considering a number of bioelements, from photosynthetic proteins to entire microorganisms. It holds a great potential for sustainable electrical energy generation, biosensing and bioproduction of chemicals and fuels.

This Special Issue aims to present a collection of high-quality papers highlighting the latest research on the light harvesting bioelectrochemical systems and on the underlying electron transfer processes.

We encourage research groups to contribute to the Special Issue with original research and review papers that address photosynthetic proteins, membranes, organelles and whole cell photobioelectrochemistry, biophotovoltaics and photosynthetic microbial fuel cells, considering natural and engineered photobiocatalysts, new electrode materials and their various designs and architectures, advanced mediators and surface modifications for improved operational performance of photobioelectrodes and complete biodevices.





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## Message from the Editor-in-Chief

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