Special Issue

Electron Transfer in Photosynthesis

Message from the Guest Editor

This Special Issue is intended for the publication of both original works and reviews in the field of the electron transfer processes that occur during photosynthesis. Studies of photosynthesis mechanisms are of current interest. Knowledge of the photosynthetic electron transfer process and related pathways can contribute to the development of the field of bioenergetics in order to address issues which are crucial to everyday human life. The purpose of this Special Issue is to offer a broad overview of the state of the art in the field of electron transfer reactions that occur in the photosynthetic electron transfer chain through an interdisciplinary approach, ranging from biochemistry to chemistry, including technology, biofuel production, and industrial applications.

- Bioenergy
- Biofuel
- Cyclic electron flow
- Cyclic photophosphorylation
- Electron transport
- Light-harvesting system
- Linear electron flow
- Photolysis
- Reactive oxygen species
- Renewable energy

Guest Editor

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Message from the Editor-in-Chief

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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