

## Special Issue

# Artificial Photosynthesis: Recent Progress in Solar Energy Utilization

### Message from the Guest Editors

Solar energy constitutes an alternative and sustainable energy source. Realizing an efficient method for converting sunlight into chemical energy is a key step towards large-scale solar energy utilization. For several decades, the natural photosynthetic system has been a source of inspiration for the development of artificial systems that are able to harness sunlight and store the energy in chemical bonds. Artificial photosynthesis is currently a topic of intense interest with the aim of producing carbon-neutral fuels through light-driven water splitting. In this Special Issue, recent achievements in water oxidation, hydrogen production and CO<sub>2</sub> reduction using heterogeneous and homogeneous catalysts will be highlighted.

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### Guest Editors

Prof. Dr. Björn Åkermark

Dr. Eric V. Johnston

Dr. Markus D. Kärkäs

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### Deadline for manuscript submissions

closed (30 September 2019)



## Molecules

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As the premier open access journal dedicated to experimental organic chemistry, and now in its 25th year of publication, the papers published in *Molecules* span from classical synthetic methodology to natural product isolation and characterization, as well as physicochemical studies and the applications of these molecules as pharmaceuticals, catalysts and novel materials. Pushing the boundaries of the discipline, we invite papers on multidisciplinary topics bridging biochemistry, biophysics and materials science, as well as timely reviews and topical issues on cutting edge fields in all these areas.

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