

## Special Issue

# Metal–Semiconductor Nanoheterostructures for Photocatalysis Application

### Message from the Guest Editor

Photocatalysis offer an opportunity to produce renewable energy to replace fossil fuels. This Special Issue will provide an interdisciplinary platform for experts to interact and share their findings on a wide range of topics related to photoelectrochemistry and photophysics of semiconductor nanostructures. The central theme covers the recent progress and scientific challenges of integrating light absorbers and catalysts into subsystems, with the goal of achieving water splitting, CO<sub>2</sub> reduction, environmental remediation, as well as solar fuel generation. On the other hand, an in-depth comprehension of charge carrier dynamics helps to ascertain the elements determining the carrier use efficiency, which is also crucial for the rational design of ideal photocatalyst systems.

### Guest Editor

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### Deadline for manuscript submissions

closed (15 June 2019)



## Molecules

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### Message from the Editor-in-Chief

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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