

Special Issue on

The Application of Photocatalysis in Chemistry

Call for Papers

In chemistry, photocatalysis is the acceleration of a photoreaction in the presence of a catalyst. In catalysed photolysis, light is absorbed by an adsorbed substrate. In photogenerated catalysis, the photocatalytic activity (PCA) depends on the ability of the catalyst to create electron-hole pairs, which generate free radicals (e.g. hydroxyl radicals: $\bullet\text{OH}$) able to undergo secondary reactions. Its practical application was made possible by the discovery of water electrolysis by means of titanium dioxide. The commercially used process is called the advanced oxidation process (AOP). There are several ways the AOP can be carried out; these may (but do not necessarily) involve TiO_2 or even the use of UV light. Generally the defining factor is the production and use of the hydroxyl radical.

In this special issue, we intend to invite front-line researchers and authors to submit original research and review articles on exploring **The Application of Photocatalysis in Chemistry**.

Authors should read over the journal's [Authors' Guidelines](#) carefully before submission, Prospective authors should submit an electronic copy of their complete manuscript through the journal [Paper Submission System](#).

According to the following timetable:

Manuscript Due	June 28th, 2013
Publication Date	August 2013

Please kindly notice that the “**Special Issue**” under your manuscript title is supposed to be specified and the research field “**Special Issue — The Application of Photocatalysis in Chemistry**” should be chosen during your submission.

Special Issue Editor

Guest Editor:

Dr. **Yu-Wen Chen**, National Central University, Chinese Taipei

Dr. **Zhengdong Cheng**, Texas A&M University, USA

For further questions or inquiries

Please contact Editorial Assistant at

mrc@scirp.org