



## Special Issue on Catalyst Activity Research

### Call for Papers

**Catalyst Activity** is considered as the augmentation of the rate and energy of a chemical reaction by a substance that is not itself changed in the reaction. It lies at the core of many chemical and biochemical processes. In designing useful and ideal materials, we have assumed up to now that the activity of the catalyst remains constant throughout the catalyst's life. Unfortunately, many nature catalysts are not so kind as to allow this behavior to be the case in most industrially significant catalytic reactions. This special issue will be focused on studying different kinds of **catalyst activity** and their applications.

In this special issue, we intend to invite front-line researchers and authors to submit original research and review articles on exploring **catalyst activity research**. Potential topics include, but are not limited to:

- Evaluation and characterization of catalyst activity
- Catalytic reaction mechanisms and kinetics
- Molecular-level catalytic activity and selectivity
- Catalyst stability and deactivation
- Enzymes catalysis
- Application in chemistry and biochemistry

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's [Paper Submission System](#).

Please kindly notice that the “**Special Issue**” under your manuscript title is supposed to be specified and the research field “**Special Issue - Catalyst Activity Research**” should be chosen during your submission.

According to the following timetable:

Submission Deadline	November 26th, 2014
Publication Date	January 2015

#### Guest Editor:

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For further questions or inquiries



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