



Zn-based Catalysts for Chemical and Fuel Conversions

Guest Editor:

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Deadline for manuscript
submissions:

closed (30 June 2019)

Message from the Guest Editor

It has become increasingly important to reduce the world's dependency on oil and secure its future energy. This would require an efficient and economically feasible conversion of coal and natural gas into chemicals. These chemical conversions require robust, active, and selective catalysts that could convert these fuels either directly, by a non-oxidative route, or indirectly, by an oxidative route, into valuable chemicals. Understanding the relationship between structure and reactivity of a catalyst is essential for developing new catalysts.

The goal of this Special Issue is to explore the recent work on Zn-based heterogeneous catalysis in the field of CO/CO₂ hydrogenation, dehydroaromatization of natural gas, reduction of CO₂/NO_x and control of their emissions, and CO₂-fixation into epoxides. Submissions in the form of original research papers, reviews, and short communications are encouraged to this Special Issue on "Zn-based catalysts for chemical and fuel Conversions".

