

## Special Issue

# Organic Transformations Promoted by 3d Metal Complexes: Synthetic Applications and Mechanisms

### Message from the Guest Editor

Metalloenzymes use bioavailable nontoxic metals (Fe, Cu, Mn, Zn, etc.) and green oxidants, such as O<sub>2</sub> or H<sub>2</sub>O<sub>2</sub>, to promote the biosynthesis of organic molecules under very mild conditions with exquisite product selectivity. On the other hand, most of the organic synthetic protocols found in industrial processes rely on the utilization of expensive 4d and 5d metals such as Pd or Pt, which usually also require harsh reaction conditions. In this special issue, we will compile some of the most significant and recent research contributions that report the use of 3d metal complexes to promote the functionalization of organic molecules, including work inspired by the reactivity of metalloenzymes.

### Guest Editor

Dr. Isaac Garcia-Bosch

Department of Chemistry, Southern Methodist University, Dallas, TX, USA

### Deadline for manuscript submissions

closed (15 December 2019)



## Molecules

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*Molecules*  
Editorial Office  
MDPI, Grosspeteranlage 5  
4052 Basel, Switzerland  
Tel: +41 61 683 77 34  
[molecules@mdpi.com](mailto:molecules@mdpi.com)

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As the premier open access journal dedicated to molecular chemistry, now in its 29th 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 all major fields of molecular chemistry and multidisciplinary topics bridging chemistry with biology, physics, and materials science, as well as timely reviews and topical issues on cutting-edge fields in all of these areas.

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### Editor-in-Chief

Prof. Dr. Thomas J. Schmidt

Institute of Pharmaceutical Biology and Phytochemistry, University of Münster, Corrensstrasse 48, D-48149 Münster, Germany

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