Special Issue

New Processes in Copper Catalysis

Message from the Guest Editor

Amongst transition metal catalysts used in organic chemistry, copper is a low-cost coinage metal that is distributed worldwide and is also more environmentally friendly than other metallic catalysts. Moreover, copper-based catalysts can be involved in two-electron or single-electron processes depending on its oxidative stage. In addition, it is very prone to coordinate to heteroatoms and multiple bonds, which makes its use as a catalyst extremely wide and diverse, with a plethora of applications. Despite having been intensively used in catalysis, interest in this metal is raising due to its role in new functionalizations and in new homogeneous and heterogeneous copper-based catalysts alike. Therefore, this Special Issue aims to showcase the latest research on this topic.

Guest Editor

Dr. F. Javier Moreno-Dorado
Departamento de Química Orgánica, Facultad de Ciencias, Universidad de Cádiz, 11510 Puerto Real, Cádiz, Spain

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Molecules
Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
molecules@mdpi.com

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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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