



## Catalytic Carbonylation Reactions

Guest Editor:

### **Dr. Raffaella Mancuso**

Laboratory of Industrial and Synthetic Organic Chemistry (LISOC), Department of Chemistry and Chemical Technologies, University of Calabria, Via Pietro Bucci 12/C, 87036 Arcavacata di Rende (CS), Italy

[raffaella.mancuso@unical.it](mailto:raffaella.mancuso@unical.it)

Deadline for manuscript submissions:

**closed (31 January 2020)**

### **Message from the Guest Editor**

Catalytic carbonylation reactions are the most important processes for the direct introduction of the carbonyl group into an organic substrate, and are of primary importance in both industry and academia. Thanks to the development of novel and more efficient and selective catalytic systems during the last decades, carbonylation reactions have allowed researchers to synthesize a plethora of functionalized molecules (heterocycles, in particular) under mild reaction conditions and with high chemo-, regio-, and stereoselectivity.

This Special Issue scope is devoted to the latest advancements in this exciting area of synthetic Chemistry. Both original research papers and reviews are welcomed. The scope is broad and may include the elaboration of novel and more performing catalysts, including heterogenous catalysts, as well as the development of new carbonylation processes in conventional and/or nonconventional solvents for the synthesis of products of industrial interest and of fine chemicals, including bioactive compounds.

