



## Enzymes in Sustainable Chemistry

Guest Editors:

**Prof. Dr. Jose M. Palomo**

Group of Chemical Biology and  
Biocatalysis, Department of  
Biocatalysis, Instituto de Catalisis  
and Petroleoquimica (ICP-CSIC),  
Marie Curie 2, 28049 Madrid,  
Spain

**Prof. Dr. Cesar Mateo**

CSIC - Instituto de Catálisis y  
Petroleoquímica (ICP), Madrid,  
Spain

Deadline for manuscript  
submissions:

**closed (30 September 2020)**

### Message from the Guest Editors

Dear Colleagues,

Enzymes as biocatalysts offer a number of advantages for a sustainable chemical industry, such as moderate reaction conditions, biodegradability, high selectivity, and, therefore, low byproduct formation. Thus, enzymes are already widely used in the food, textile, cleaning and detergent, chemical, and pharmaceutical industries. However, the development of novel strategies to create new enzymes with improved properties such as stability or selectivity is required for use in chemical processes. Likewise, the implementation and improvement of new technologies of the application of the enzymes in new reactions, especially in more sustainable way, is mandatory in a circular economy and in the fight against climate change.

This Special Issue will be focused on innovative and novel research in the design and application of enzymes (biological catalysts) in sustainable chemical processes.

Prof. Dr. Jose M. Palomo

Prof. Dr. Cesar Mateo

*Guest Editors*

