



## Transition Metal Complexes as Catalysts

Guest Editors:

**Dr. Guillermo Ahumada**

Korean Institute for Basic  
Science, Center for Soft and  
Living Matter, Ulsan National  
Institute of Science and  
Technology, Ulsan 44919,  
Republic of Korea

**Dr. Jonathan Cisterna**

Departamento de Química,  
Facultad de Ciencias,  
Universidad Católica del Norte,  
Antofagasta, Chile

Deadline for manuscript  
submissions:

**closed (31 May 2023)**

### Message from the Guest Editors

Due to their high activity and diverse characteristics, transition metal coordination compounds hold a unique place among organic chemistry catalysts, and because of their broad reactivity in facilitating numerous chemical transformations, transition metal catalysts have become widely used as valuable tools in current synthetic organic chemistry. The design of a coordination compound's (catalyst's) structure is critical for its catalytic applications. Despite significant advances in understanding structure–property relationships and the invention of several synthetic techniques, the catalytic parameters of many reactions are far from perfect, particularly in the realm of fine chemistry.

This Entry Collection is, therefore, devoted to the applications of transition metal complexes as well as the investigation of their structural and dynamic features in catalysis. Submissions to this Special Issue on "Transition Metal Complexes as Catalysts" are encouraged in the form of original research papers or short reviews reflecting the state of the field's research.

