



Advances in Transition Metal Catalysis

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Message from the Guest Editors

Dear Colleagues,

Transition metal catalysis has been established as one of the most useful and effective tools for the preparation of synthetically valuable targets of interest in various research fields. Indeed, a lot of key bond-forming processes have been enabled by the capacity of transition metal-catalyzed reactions in controlling crucial parameters such as selectivity, reactivity, and stability.

Today, due to the increasing interest in sustainable, green, clean, more efficient organic synthesis, a great deal of attention has been devoted to the economic and environmental impact of such reactions leading to the development of a dynamic research activity aimed to maximize the chemical usefulness and efficiency of catalyst-driven reactions while minimizing waste.

This Special Issue will focus on the remarkable goals achieved in this exciting research area and to cover recent progresses and trends in organometallic chemistry.

In this perspective, we plan to provide an overview of the state of the art in transition metal catalysis and of the many challenges that still remain for the future.

