

Editorial



Clément Mazet

Organometallics and Catalysis

Transition metals are at the center of the periodic table and catalysis is unanimously perceived as a central discipline in chemistry. Therefore, it is probably not surprising to observe that transition metal-based catalysis occupies a pivotal role in synthesis and has disseminated in various branches of chemistry.

The field being more vivid than it has probably ever been, it is virtually impossible to present a panoramic perspective on its scientific landscape. Instead, through a selection of Accounts and Perspectives, this special issue of CHIMIA on 'Organometallics and Catalysis' aims at providing the reader with some recent and representative trends in transition metal catalysis. These contributions are not only a clear testimony that practicality, efficiency and selectivity are governing notions in catalysis but they do also highlight the creativity chemists are capable of when pushing the boundaries of the rich chemistry offered by transition metals. Because these Accounts encompass several years of research, observing scientific journeys in catalysis over long periods of time helps to understand that mechanistic studies are indispensable to guide discovery and facilitate the identification of improved systems (in addition to nurturing and satisfying our intellects).

I would like to warmly thank all the authors for their fantastic contributions, and I have no doubt that the remarkable achievements presented in this special issue of CHIMIA are the best vehicles to convey our excitement and fascination for organometallic chemistry and catalysis.

Prof. Clément Mazet
University of Geneva
Quai Ernest Ansermet 30
CH-1211 Geneva 4, Switzerland