



## New Frontiers in Organometallic Catalysis

Guest Editor:

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Deadline for manuscript  
submissions:

**closed (31 October 2022)**

### Message from the Guest Editor

Nowadays, the demand for cost-effective and sustainable methodologies for the activation or synthesis of new molecules, valorization of biomass resources and waste, environmental remediation and energy conversion is continuously growing as a result of industrial and environmental requirements. Catalysts can play a fundamental role when it comes to this subject. This Special Issue embraces original research articles or relevant critical reviews on the recent achievements, current challenges and future opportunities in the field of new frontiers in organometallic catalysis. Submissions are welcome especially (but not exclusively) in the following topics:

- Molecule activation
- Development of cost-efficient catalytic methodologies
- Synthesis of value-added compounds
- Applications in organic synthesis and pharmaceutical industry
- Sustainable chemical catalysis
- Environmental catalysis
- Valorization of biomass resources and plastic waste
- Energy conversion
- Catalytic materials
- Applications in asymmetric synthesis

