# **Special Issue**

# Design Strategies for Metal Complexes that Activate Bio-Related Small Molecules

### Message from the Guest Editors

In living organisms, there are many metalloenzymes that activate biologically active small molecules such as hydrogen, oxygen, nitrogen, methane, and carbon dioxide. Currently, the structures and functions of many of these enzymes are being clarified by excellent structural and spectroscopic analysis methods. At the same time, research is being conducted to mimic the structure and function of these enzymes using metal complexes, and to develop catalysts that can function under environmental-friendly conditions in order to contribute to our lives in the future. In this special issue. as a message to future bioinorganic chemists and catalysis researchers, we invite papers on design strategies of metals and ligands focusing on the activation of small molecules from many researchers, in this case, oxygen and nitrogen.

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## Deadline for manuscript submissions

closed (31 March 2023)



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As the premier open access journal dedicated to molecular chemistry, now in its 29th year of publication, the papers published in *Molecules* span from classical synthetic methodology to natural product isolation and characterization, as well as physicochemical studies and the applications of these molecules as pharmaceuticals, catalysts, and novel materials. Pushing the boundaries of the discipline, we invite papers on all major fields of molecular chemistry and multidisciplinary topics bridging chemistry with biology, physics, and materials science, as well as timely reviews and topical issues on cutting-edge fields in all of these areas.

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