Special Issue

Metal Arene Complexes

Message from the Guest Editor

For very good reasons, metal arene complexes are among the most studied organometallic complexes. In such complexes, the arene ligand plays crucial roles that are often underestimated. In catalysis, for example, the arene ligand is not considered directly involved in the catalytic process; however, it ensures electronic and structural stability at the metal center, and if properly designed, it can introduce steric hindrance and dictate how the substrate will bind to the metal. In medicinal chemistry, the arene is also important, despite being often seen as an innocent ligand. In biological media, it can modulate the solubility of the complex, and accordingly trigger different responses in cells. In supramolecular chemistry, the presence of the arene limits the number of coordination sites available on the metal, thus, allowing geometric control during the assembly process. These are only a few examples, where the characteristics of metal arene complexes have been nicely exploited. In this Special Issue, we would like to gather all kinds of studies in which the metal arene complex is central.

Guest Editor

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Inorganic chemistry remains a lynchpin of modern chemistry, not only embracing the function and reactivity of combinations of most elements of the periodic table, but also providing a footing for studies of materials, catalysts, drugs, fuels and industrial chemicals. Arguably, the role and reach of inorganics in society have never been as great as today. Adventurous research at the heart and at the extremes of inorganic chemistry is vital to further advances and Inorganics offers authors the opportunity to publish exciting new research in an open access format.

Editor-in-Chief

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