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Organometallic Catalysis in Organic Synthesis

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Message from the Guest Editors

Dear Colleagues,

Catalysis by organometallics is currently of utmost significance in important industries. Therefore, this Special Issue aims to illustrate the most recent and pertinent developments on the multiple, innovative uses of organometallics as effective homogeneous and heterogeneous catalysts in a plethora of organic syntheses. Organized, so as to cover new applications of organometallics where metals pertain to the main groups, transition metals or rare earth metals, the contributions will focus on a broad range of organic reactions, such as C-H activation, C-C bond formation, addition, condensation, metathesis, isomerization, oligomerization, hydrogenation and hydrogen transfer, oxidation, epoxidation, hydration, hydroboration, hydrosilylation, hydroxylation, hydroformylation, carbonylation, cyclopropanation, cyclization and related reactions, as well as on their involvement in the synthesis of polycyclic compounds or bioactive natural products.

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Message from the Editor-in-Chief

As the premier open access journal dedicated to experimental organic chemistry, and now in its 25th 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 multidisciplinary topics bridging biochemistry, biophysics and materials science, as well as timely reviews and topical issues on cutting edge fields in all these areas.

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