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Indium in Organic Synthesis

Guest Editors:

Prof. Dr. Akio Baba
Osaka University 2-8, Yamadaoka, Suita, Osaka 565-0871, Japan

Prof. Dr. Makoto Yasuda
Department of Applied Chemistry, Graduate School of Engineering, Osaka University, 2-1 Yamadaoka, Suita, Osaka 565-0871, Japan

Deadline for manuscript submissions:
closed (30 May 2018)

Message from the Guest Editors

Dear Colleagues,

A variety of indium reagents has played an important role in fundamental organic transformations, since the first practical preparation of allylic indium species was demonstrated by Araki et al. in a 1988 report. In spite of a short amount of time since the beginning of indium chemistry, amazing diverse applications have been developed, such as Barbier-type reaction, reduction, Lewis acid-catalyzed addition, carbometalation, transition metal-catalyzed coupling, and radical reactions, in the last three decades. Either indium metal, indium(I) and indium(III) species have been smartly employed in those organic transformations. Almost all applications are strongly based on characteristic high functional group tolerance, even toward active protons, including water. Recently, indium chemistry has been presenting attractive synthetic procedures under the conditions where other reagents hardly show their activity. We believe that the moderate reactivity of indium reagents can be precisely activated to achieve desired selective reactions. We welcome a wide range of articles on indium chemistry.

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Editor-in-Chief

Prof. Dr. Thomas J. Schmidt
Institute of Pharmaceutical Biology and Phytochemistry, University of Münster, Corrensstrasse 48, D-48149 Münster, Germany

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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Journal Rank: JCR - Q2 (*Chemistry, Multidisciplinary*) / CiteScore - Q1 (*Chemistry (miscellaneous)*)

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Molecules Editorial Office
MDPI, St. Alban-Anlage 66
4052 Basel, Switzerland

Tel: +41 61 683 77 34
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