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Steroids-II

Guest Editor:

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closed (30 June 2020)

Message from the Guest Editor

Steroids are traditionally defined as a class of tetracyclic compounds possessing a sterane (cyclopentanoperhydrophenanthrene) carbon skeleton. Steroids are extremely widespread in nature, and this class of natural compounds exhibits a range of potent and important biological activities. Owing to these factors, and their rigid structure consisting of four fused rings (three cyclohexane and one cyclopentane), steroids have proven to be desirable and challenging synthetic targets. Moreover, they serve as particularly useful model compounds for studying the stereochemistry of different reactions and the development of synthetic methods leading to more complex and unique structures.

This Special Issue is devoted to recent developments encompassing this important class of compounds, ranging in scope from total syntheses and new strategies towards steroid synthesis, elucidation of their biological activities and the potential for further medical applications, to the isolation and structure elucidation of novel natural steroids, as well as biosynthetic studies exploring their origin and metabolic pathways.

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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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