Special Issue

Isoprenoid Biosynthesis

Message from the Guest Editor

Isoprenoid compounds comprise a large, diverse family of natural products occurring widely in the plant and animal kingdoms. They exhibit many biological activities and functions, including pheromones, hormones, fragrances, membrane components, and many others. Despite this diversity of structures and functions, their biosynthesis occurs by conversion of relatively few acetate-derived acyclic and cyclic substrates through the action of a novel class of enzymes called terpene synthases. Often the initially formed terpenes are further modified by oxidases and reductases. The objective of this Special Issue is to review the current status of knowledge about isoprenoid biosynthesis by experts in the various relevant areas.

Guest Editor

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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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