

Special Issue

Plant Saponins

Message from the Guest Editor

Saponins are a large group of natural triterpene or steroid glycosides and are widely distributed in various plants. They are not only involved in the communication, defense, and sensory regulation of plants but also possess various bioactivities including anti-cancer, anti-inflammation, anti-microorganism, antioxidation, modulation of the gastrointestinal system, neuroprotection, accumulation of pollutants by plants, foaming and detergence, etc. Interest in saponins has increased over the years due to their application potentials in medicine, food, agriculture, daily chemical, and other fields. This Special Issue welcomes original research and reviews on all aspects of plant saponins, including but not limited to: biosynthesis and chemical synthesis, extraction and isolation, chemical structure, determination methods, bioactivities, applications, and toxicity.

Guest Editor

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Message from the Editor-in-Chief

As the premier open access journal dedicated to molecular chemistry, now in its 30th 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 all major fields of molecular chemistry and multidisciplinary topics bridging chemistry with biology, physics, and materials science, as well as timely reviews and topical issues on cutting-edge fields in all of these areas.

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