

## Special Issue

# Natural Terpenoid Alkaloids: Extraction, Phytochemistry Analysis and Human Health

### Message from the Guest Editor

Diterpene alkaloids (DA) have been isolated primarily from the *Ranunculaceae* species. To date, several hundred such compounds are known, and many of these alkaloids have remarkable biological effects. Several DA-containing plants are known to be toxic plants. However, some of these in low doses or after careful processing have been applied in traditional medicine, especially in Asia. Their inhibitory or agonist effect on different ion channels is closely related to the toxic and pharmacologically useful effects of DAs. If their appropriate selective affinity to pharmacological targets is evident, DAs can be used as medicines. Certain compounds that comprise part of evidence-based medicine in their use as antiarrhythmic drugs and several other alkaloids are under investigation for their effects on the central nervous system. The goal of this Special Issue is to provide an overview of the current research results on DAs, including their isolation, structure elucidation, semisynthetic modifications, and pharmacological investigations thereof.

### Guest Editor

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### Deadline for manuscript submissions

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As the premier open access journal dedicated to molecular chemistry, now in its 29th 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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