

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.

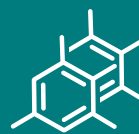
Guest Editor

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