Message from the Guest Editors

Dear Colleagues,

In recent years, there has been a steady increase in the publication of papers on the chemistry, biology, and potential clinical uses of marine glycosides. Glycosides have been isolated from species as diverse as algae, fungi, anthozoans, and echinoderms. Even fish of the genus Pardachirus produce glycosides that they use as shark repellents.

The major interest in these compounds as potential drugs stems from the broad spectrum of biological effects. They have been shown to have antimicrobial, antifungal, anti-inflammatory, immune modulatory, and anticancer effects. The anticancer effects of marine glycosides include cell cycle suppression, induction of apoptosis, inhibition of migration, invasion, and metastasis, as well as antiangiogenesis.

This Special Issue will cover the entire scope of marine organism-derived glycosides that are of potential value as pharmaceutical agents or leads. These include, but are not limited to, tetracyclic triterpene glycosides; other triterpene glycosides; steroid glycosides; and glycosides of non-isoprenoid aglycones.

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