

Special Issue

Molecular Research on Actinomycetes-Derived Natural Products

Message from the Guest Editor

Natural products (NPs) comprise a wide variety of molecules that are vital sources of bioactive compounds, with established applications in therapeutics, food, and agriculture. Approximately 50% of non-biological drugs originate from natural products, including those derived from them or their mimics. Actinomycetes, a group of Gram-positive filamentous bacteria primarily represented by *Streptomyces*, have been particularly significant in the discovery of these natural products.

Unfortunately, the traditional methods for bioactivity-guided screening of bioactive NPs have yielded only a limited amount of progress since the conclusion of the golden age of exploration in the last century. However, the rise of omics science and new computational advancements have revitalized NP research, ushering in a promising era of discovery.

This Special Issue aims to address diverse intersections of actinomycetes and natural products, including, but not limited to, advances in discovery, engineering, and characterization.

Guest Editor

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