Special Issue

Technology for Natural Products Research

Message from the Guest Editor

The health and quality of life that much of the world enjoys today is due, in large part, to the pharmaceuticals that have been derived from natural products research. Penicillin, taxol and the statins are notable examples. However, the pharmaceutical industry has deprioritized natural products research in favor of synthetic and combinatorial approaches that offer greater control of the discovery pipeline. Natural products research also suffers from the impression that diversity is increasingly harder to find. Recent technological developments, such as genome-based target prioritization, heterologous expression, mass spectrometry-based molecular networking, and the use of artificial intelligence to classify NMR spectra have attempted to address some of these issues. In this Special Issue, we will highlight technological advances that increase the effectiveness and productivity of natural products research.

Guest Editor

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As the premier open access journal dedicated to experimental organic chemistry, and now in its 25th 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 multidisciplinary topics bridging biochemistry, biophysics and materials science, as well as timely reviews and topical issues on cutting edge fields in all these areas.

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