Special Issue

Cutting-Edge Progress in Natural Product-Derived Antimicrobial Drugs

Message from the Guest Editors

The rise of antimicrobial resistance (AMR) presents a critical challenge to global health, driving the urgent need for new therapeutic strategies. Natural products, sourced from plants, fungi, and marine organisms, offer a rich reservoir of bioactive compounds with unique mechanisms of action against resistant pathogens. This Special Issue, “Cutting-Edge Progress in Natural Product-Derived Antimicrobial Drugs”, aims to showcase the latest advancements in discovering and developing antimicrobial agents derived from natural sources. We invite original research articles, reviews, and brief communications that present advancements in extraction techniques, isolation, identification, characterization, and antimicrobial evaluation of bioactive compounds from natural sources. By compiling diverse research findings, this issue seeks to illuminate the potential of natural products in combating AMR and inspiring novel therapeutic solutions. Together, we can advance the field and effectively contribute to the global effort of addressing infectious diseases.

Guest Editors

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Message from the Editor-in-Chief

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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