Special Issue

Advances in Medicinal Chemistry of Antibiotics

Message from the Guest Editor

In a world of increasing resistance, we have to urgently come with new, potent, weapons. Discovery of novel antibiotic classes acting on still unexploited targets remains a challenge. Another approach that has been followed quite intensively and successfully over the last years consists in refining our knowledge of structure-activity relationships to come with molecules showing an increased intrinsic activity, a reduced susceptibility to resistance mechanisms, an improved safety profile, or a better pharmacokinetic profile.
This special issue is aimed at presenting up-to-date reviews or promising experimental data on structure-activity relationships, either for existing classes of antibiotics or for new classes of antibiotics (meaning for which there is still no drug on the market). Prof. Dr. Françoise Van Bambeke

Guest Editor

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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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