

Special Issue

Chemical Design and Synthesis of Antimicrobial Drugs

Message from the Guest Editors

The editorial board of *Molecules* (IF: 4.6, ISSN 1420-3049) invites you to submit an article or review to a Special Issue entitled "Chemical Design and Synthesis of Antimicrobial Drugs". The development of antimicrobial drugs with novel structures and clear mechanisms of action that are active against drug-resistant bacteria has become urgent; this is due to the rise of bacterial drug resistance and the need to safeguard human health. To combat antimicrobial resistance, the WHO published a list of "ESKAPE" pathogens that pose the greatest threat to human health in 2017; in order, these are *Enterococcus faecium*, *Staphylococcus aureus*, *Klebsiella pneumoniae*, *Acinetobacter baumannii*, *Pseudomonas aeruginosa*, and *Enterobacter* spp.

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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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