Special Issue

Purposing and Repurposing of Antimalarial Agents

Message from the Guest Editors

Malaria remains one of the leading causes of morbidity and mortality in tropical areas. Increasing resistance to the currently available antimalarial drugs has made the need to develop new and efficient agents even more urgent. Practically all currently used antimalarial drugs were developed directly or indirectly from two naturally occurring substances: quinine and artemisinin. Derivatization of clinically approved antimalarial drugs is still a popular strategy in the search of novel antiplasmodial agents.

Finding novel therapeutic indications for already approved drugs is one of possible strategies in the search of novel medicines. Antimalarial drugs and/or their derivatives are useful in the treatment of autoimmune diseases, parasitemia, and tuberculosis.

Contributions to this Special Issue may cover the rational design and synthesis of novel compounds with antiplasmodial activity or derivatives of known antimalarial agents with antimalarial (purposing) or other applications (repurposing). Short communications, original research papers or review articles are welcomed.

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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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