

Special Issue

Microwave Assisted Reactions: A Modern Useful Tool in Medicinal Chemistry

Message from the Guest Editor

Within the last few decades, microwave (MW)-assisted reactions have become a widely used and powerful tool method in medicinal and organic chemistry synthesis, offering some important advantages, such as significantly faster reaction times, milder conditions, increase in yield and selectivity, lower costs, and simplicity in handling and processing. Moreover, in recent years, combination with ultrasounds (US) seems to bring new advantages in terms of the synthetic approach. The demand of the pharmaceutical industry for new drugs with better activity and a lower cost make MW a useful alternative choice. The aim of this Special Issue is to provide a platform to present the latest developments in microwave-assisted reactions in medicinal chemistry, focused on biological active heterocycle derivatives, especially (but not only) those one with anticancer, anti-HIV, antituberculosis, antimicrobial, etc. properties.

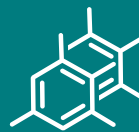
Guest Editor

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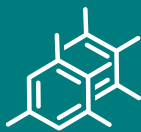


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Message from the Editor-in-Chief

As the premier open access journal dedicated to molecular chemistry, now in its 29th 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 all major fields of molecular chemistry and multidisciplinary topics bridging chemistry with biology, physics, and materials science, as well as timely reviews and topical issues on cutting-edge fields in all of these areas.

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