

Special Issue

Advances in Novel Pesticide Discovery

Message from the Guest Editor

Pesticides are an essential tool for modern agriculture and the global food supply. Due to the negative impacts some synthetic pesticides have on human health and the environment, the development and application of safe and environmentally friendly pesticides is a major focus of researchers. For this purpose, synthetic pesticides with high activity rates and unique mechanisms of action should be discovered. In this process, the novel lead compounds should be isolated or synthesized, their structures should be elucidated, their biological activities should be screened, their mode of action should be studied, and their structure–activity relationship should be obtained. Natural products are an excellent alternative to synthetic pesticides, and the discovery of natural products as green pesticides is an attractive pursuit. The technological advancement of pesticide formulations (such as controlled release pesticides) is also gaining attention. In conclusion, this Special Issue will consider the most recent and significant developments in pesticide discovery, including new pesticide molecules, new modes of action, new methodologies or techniques, etc.

Guest Editor

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Deadline for manuscript submissions

closed (30 June 2023)



Molecules

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Impact Factor 4.6
CiteScore 8.6
Indexed in PubMed



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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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