



## Advances in Novel Pesticide Discovery

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### 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.





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## Message from the Editor-in-Chief

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