



The Development and Application of a New Generation of Pesticides

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Message from the Guest Editor

Dear Colleagues,

Modern agriculture relies heavily on the use of pesticides to protect crops. It is extremely important to prevent yield losses as the global demand for food is rapidly increasing while the number of farmable lands is constantly shrinking due to the decline in soil quality, urbanization, and changes in global climate. The combination of all these factors creates a void in available pest management options and generates a strong need for the development of a next generation of pesticides by investigating unique modes of actions and feedstock material. Novel pesticides with lower toxicity to non-target species and lesser burden on ecosystem health are needed to assure the sustainability of agriculture.

The Special Issue will focus on novel and groundbreaking research in the area of pesticides with novel mechanisms of action and feedstock sources. We welcome original research and comprehensive reviews that cover related subjects, including but not limiting to bench scale studies, bioassays, isolation and analytical analysis, modeling, greenhouse and field trials, as well as the social aspect of novel pesticide use.





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Message from the Editor-in-Chief

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