



## Emerging Trends in Pesticides Discovery Based on Natural Products

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### Message from the Guest Editor

Natural products (NPs) are animal or plant metabolites which have the advantages of biocompatibility, structural diversity, and unique mechanism. The discovery of new leads based on natural products is an important way to innovate pesticides. However, due to the low natural abundance and structural complexity of many bioactive natural products, most cannot be used as pesticides directly. Total synthesis and structural simplification by truncating unnecessary substructures are powerful strategies for overcoming these limitations and improving the efficiency and success rate of NP-based pesticide development.

In this Special Issue, we invite researchers to contribute original research or review articles on topics related to all aspects of natural lead compounds in NP-based pesticide discovery and development, including but not limited to the discovery of natural lead compounds, total synthesis, structural modification and activity evaluation of natural leads, structure–activity relationships, mechanism study and target identification, biogenic nanopesticides, etc.





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## Message from the Editor-in-Chief

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