

## Special Issue

# Recent Advances in Alkaloids and Their Derivatives

### Message from the Guest Editors

Alkaloids are a class of naturally occurring structurally diverse compounds containing nitrogen atoms, many of which exhibit potent bioactivities. A wide range of organisms, including plants, amphibians, marine organisms, and microorganisms, are known to produce nitrogen-containing secondary metabolites. Since the isolation of morphine in the early 19th century, numerous alkaloids have been discovered and studied for their biological activities. Some have been used clinically as medicines, and others as pesticides. This Special Issue of *Molecules* covers the broad subject of alkaloids, including their isolation and structure elucidation, biological activities, structure modification or semi-synthesis, total synthesis, and structure–activity relationships.

Dr. Kouhei Yamada

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### Guest Editors

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### Deadline for manuscript submissions

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## Molecules

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## About the Journal

### 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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### Editor-in-Chief

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