

## Special Issue

# Investigation of the Molecular Interactions of Natural Products

### Message from the Guest Editor

Molecular interactions between natural products lead to the formation of molecular complexes, which show entirely changed physical and chemical properties. Such complexes play an important role in regulating the bioavailability of different compounds in various fields, as defense on a molecular level or regulation of reproduction. Molecular interactions between natural products have been used in traditional/modern pharmaceutical applications and in plant protection, as a mean to modulate the bioavailability of active agents. The investigation of molecular complexes and of the details of their molecular interactions require the determination of complexes' stoichiometry, various binding properties, and three-dimensional structures. For this purpose, diverse spectroscopic, spectrometric, and wet chemical analyses are required. Special Issue aims to collect contributions investigating complexes of natural products with respect to their properties, structures, and biological role in the natural environment, as in Phytochemistry or Chemistry of Marine Natural Products. Furthermore, reports on applications of molecular complexes which derive from natural products are welcome.

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### Guest Editor

Prof. Dr. Lothar Brecker  
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### Deadline for manuscript submissions

closed (30 September 2019)



## 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 30th 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

Prof. Dr. Thomas J. Schmidt

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