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Advances on Marine Natural Products

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Deadline for manuscript
submissions:

closed (31 December 2023)

Message from the Guest Editor

This Special Issue will focus on the investigation of novel and bioactive natural products from marine organisms. Marine organisms have proven to be a rich and powerful source of unimaginable natural products with novel chemical structures and unique pharmacological activities, which have already played a large role in drug development, and some will have good research prospects in the future. More than 70% of our planet's surface is covered by oceans, and using technical advances in diving and remotely operated vehicles, it is becoming easier to collect samples. Marine organisms remain an excellent source of innovative compounds that have the potential for the development of new drugs.

This Special Issue will focus on advances in all aspects of marine natural lead compounds for drug discovery and development, including the following aspects:

- Structurally new and bioactive natural products from marine macro- and microorganisms;
- Structures and functions of marine biomacromolecules;
- Efficacy and pharmacological mechanisms of MNPs;
- Total synthesis, optimization or biosynthesis of bioactive or novel MNPs;
- Marine medicinal biological resources research.



mdpi.com/si/172335

Special Issue



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Message from the Editor-in-Chief

As the premier open access journal dedicated to experimental organic chemistry, and now in its 25th 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 multidisciplinary topics bridging biochemistry, biophysics and materials science, as well as timely reviews and topical issues on cutting edge fields in all these areas.

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Journal Rank: JCR - Q2 (Chemistry, Multidisciplinary) / CiteScore - Q1 (Chemistry (miscellaneous))

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