

Special Issue

Research, Development, and Application of Bioactive Compounds from Marine and Terrestrial Fungi

Message from the Guest Editor

This Special Issue focuses on the research and development of bioactive compounds from marine and terrestrial fungi, covering their discovery, isolation, structural identification, biosynthesis, mechanism of action, and pharmaceutical applications. It aims to integrate multidisciplinary advances in natural product chemistry, microbiology, molecular biology, and pharmacology to promote translational development of fungal metabolites. Cutting-edge technologies, including multi-omics, genome mining, synthetic biology, and computational screening, have revolutionized the discovery of cryptic fungal metabolites and enabled efficient activation of silent biosynthetic gene clusters. These modern approaches greatly enhance the efficiency, yield, and structural diversity of bioactive compounds for drug development. We welcome high-quality original articles, reviews, and short communications reporting novel findings in fungal resource screening, compound optimization, biosynthetic regulation, and preclinical evaluation.

Guest Editor

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Deadline for manuscript submissions

25 September 2026



Pharmaceuticals

an Open Access Journal
by MDPI

Impact Factor 5.7
CiteScore 9.0
Indexed in PubMed



mdpi.com/si/276523

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Message from the Editor-in-Chief

Because of your expertise in the field of drug sciences, I kindly invite you to consider publishing your current work, in the form of a research article or a review, in the open access electronic journal *Pharmaceuticals*. *Pharmaceuticals* is characterized by an active editorial board and a dynamic editorial staff. Manuscripts are peer-reviewed and a final decision is provided to authors within 4–6 weeks after submission. Papers are published on the web immediately after acceptance. For details on the submission process or any other matter, please do not hesitate to contact us. We hope to handle your contribution to *Pharmaceuticals* soon.

Editor-in-Chief

Prof. Dr. Amélia Pilar Rauter

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