Special Issue

Genome Mining and Marine Microbial Natural Products

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Message from the Guest Editors

Dear Colleagues,

In this Special Issue, we focus on the rich genomic resources present within the genomes of marine microorganisms and the use of recently developed tools and technologies to exploit this genetic richness, to facilitate the discovery or find new bioactive molecules with potential biopharmaceutical applications.

- Bioinformatic tools and their application in genome mining for secondary metabolites
- Genome mining approaches for the identification of novel secondary metabolites
- Merging ecology (physical, chemical factors or co-culture) with microbial genome mining for secondary metabolites' discovery
- Heterologous systems for the expression of gene clusters to identify novel metabolites
- Unlocking cryptic pathways, employing genomic based approaches
- Cutting-edge technology in genome editing and novel metabolites identification

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