



Genomics of Marine and Aquatic Bacteria: A Focus on Novel Taxa, Diversity and Biotechnological Potential 2.0

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Message from the Guest Editor

The current issue is a continuation of the Special Issue “Genomics of Marine and Aquatic Bacteria: A Focus on Novel Taxa, Diversity and Biotechnological Potential”.

Marine and aquatic bacteria represent an enormous portion of biodiversity and are a valuable bioprospecting source in the search for novel bioactive compounds, functional food ingredients, and polymers. Our knowledge regarding the bacterial world has been greatly advanced by exploring bacterial genome sequences, especially in bacterial systematics, genetic diversity, and microbial evolution. Advances in genomics promote the application of genetic information of bacteria in virtually unlimited areas. To describe new taxa, environmental microbiologists have to combine culture-dependent studies with genome sequence analyses. Research on bacteria recovered from underexplored, remote, and extreme environments, such as arctic seas, the deep sea, or underground waters and sediments, is a challenge for understanding microbial diversity, its conservation, and further biotechnological use. We firmly believe that new taxa will result in new genes, new knowledge, and new opportunities.





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Message from the Editor-in-Chief

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