Special Issue

Ecological Distribution, Biogeochemical Function, and Pathogenicity to Marine Organisms of *Vibrio* spp.

Message from the Guest Editor

The genus Vibrio is one of the best model marine heterotrophic bacterial groups. The ecological distribution of Vibrio spp. Is complex and can be affected by various factors. They can inhabit different habitats within the marine environments, including coastal waters, sediment, and the gastrointestinal tracts or tissues of marine organisms. Vibrio spp. play important roles in the biogeochemical cycles, especially in terms of the marine carbon cycles. They can consume a wide array of organic carbon compounds as carbon and energy sources, including chitin, alginate, and agar. Further, several species within the genus Vibrio are well known to cause diseases in marine animals, such as shellfish poisoning, septicemia in fish, and bacterial bleaching of corals. Understanding the pathogenicity of vibrios is crucial for developing effective prevention and control measures to protect marine ecosystems and human health. In summary, this Special Issue will focus on the biogeochemical function and potential harm of Vibrio spp. in marine environments, as understanding these aspects is crucial for protecting marine ecosystems and human health.

Guest Editor

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