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The Tiny Wonders in Drug Discovery: A Small Step for Microbes, One Giant Leap for Mankind

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Message from the Guest Editors

Although tiny, microorganisms are living things that are ubiquitous in different environments and essential to supporting other life forms on Earth. Accompanied by the advancement in molecular techniques and pharmaceutical technology, researchers can now decipher the genetic codes of various microorganisms and perform genome mining to hunt for biosynthetic genes that could be exploited for the production and isolation of valuable pharmaceutical products. These innovations further hasten the drug discovery process and development of therapeutic drugs to treat various human ailments. A dysbiosis or imbalance in the human microbiome is associated with the development of human diseases, including metabolic diseases, cancer, allergies and so on.

This Special Issue aims to gather recent developments in the search of bioactive microbes derived from different habitats (i.e., terrestrial, ocean, mangrove forests), particularly the mechanisms by which these microbes confer beneficial effects in mankind. We especially seek manuscript submissions in original research reports and critical narrative or systematic reviews.



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Special Issue



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Message from the Editor-in-Chief

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