

Marine Biotechnology

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ABSTRACT

Marine biotechnology is an innovative field of research in science and technology concerning the support of living organisms with marine products and tools. To understand the *omics* of the living species: it is novel way to produce genetically modified food, drugs, and energy to overcome global demand. The exploitation of biotechnology for drug discovery, including enzymes, antibiotics and biopolymers, chemical compounds from marine sources are deliberated. The concepts of marine microbiology are explored extensively. Biomedical applications of marine biomaterials such as tissue engineering, drug discovery gene delivery and biosensor areas are thoroughly discussed. Bioenergy from marine sources is a ground breaking achievement in the field of marine biotechnology.