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Applications of Jellyfish-Derived Products -- 13. Application of Biotechnology in White Syndrome Coral Disease Identification -- 14. The Synergy of Remote Sensing in Marine Invasion Science -- 15. The Utilization of Agro-based Wastes by Marine Phototrophic Microbes -- 16. Artificial Intelligence Methods in Marine Biotechnology.

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Sommario/riassunto

This contributed volume covers the applications of marine biotechnology for food, drugs and energy production using marine resources. It introduces many aspects of marine biotechnology, including bioenergy, pharmaceutical development, food security from mariculture, pollution handling, legal issues and conflicts. Information in the book is accompanied by clear images, flow charts, quantitative and qualitative data. Marine biotechnology is essential for realizing the previously untapped potential of marine bio-resources. These resources are used to develop innovative goods and procedures that aid in the global management of food, energy, and disease management. The development of innovative tools and solutions for more sustainable marine environmental management is another important section of this title. This reference book is of interest to teachers, researchers, and climate change scientists. It serves as an additional reading material for college, undergraduate, and graduate students of marine science and aquaculture. This is also a good research guide for food and fishing industry scientists.

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