

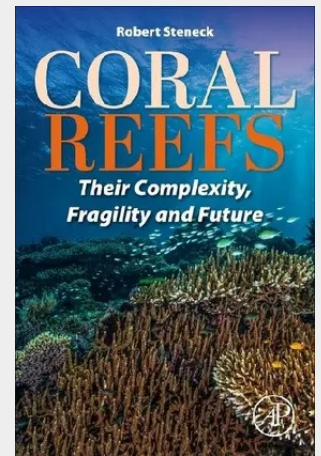
Coral Reefs

Their Complexity, Fragility and Future

Coral Reefs: Their Complexity, Fragility and Future offers an introduction to tropical coral reef ecosystems. It explores the combined geological, physical, chemical, and biological factors that make coral reefs among the most diverse and productive systems in the world. To unpack these complex systems, this book outlines the major players that create coral reefs, reconsiders how environmental and human forces shape reefs in the Anthropocene and identifies best practices for sustainable tourism and management of reef systems. Written by a leading expert of tropical reef systems, this book covers the biology, taxonomy, and ecological interactions of dominant reef organisms. Chapters systematically discuss the diversity of corals and the reef communities that they support, the key geological and biological factors driving their development, and critical processes of primary productivity, competition, predation, and herbivory. The book ends with a look to the future of coral reefs considering global change in the Anthropocene. Coral Reefs: Their Complexity, Fragility and Future combines fundamental concepts with novel research advances to explore the forces that shape coral reefs and predict the future of these ecosystems in the coming century. In discussing both the successes and failures of modern conservation efforts, this book offers a roadmap to guide stakeholders and industry leaders in developing policies surrounding the sustainable visitation and conservation of coral reef ecosystems. It is an indispensable resource for the next generation of marine scientists, conservationists, and policymakers concerned with the future of these critical ecosystems.

Coral Reefs: Their Complexity, Fragility and Future offers an introduction to tropical coral reef ecosystems. It explores the combined geological, physical, chemical, and biological factors that make coral reefs among the most diverse and productive systems in the world. To unpack these complex systems, this book outlines the major players that create coral reefs, reconsiders how environmental and human forces shape reefs in the Anthropocene and identifies best practices for sustainable tourism and management of reef systems. Written by a leading expert of tropical reef systems, this book covers the biology, taxonomy, and ecological interactions of dominant reef organisms. Chapters systematically discuss the diversity of corals and the reef communities that they support, the key geological and biological factors driving their development, and critical processes of primary productivity, competition, predation, and herbivory. The book ends with a look to the future of coral reefs considering global change in the Anthropocene.

Coral Reefs: Their Complexity, Fragility and Future combines fundamental concepts with novel research advances to explore the forces that shape coral reefs and predict the future of these ecosystems in the coming century. In discussing both the successes and failures of modern conservation efforts, this book offers a roadmap to guide stakeholders and industry leaders in developing policies surrounding the sustainable visitation and conservation of coral reef ecosystems. It is an indispensable resource for the next generation of marine scientists, conservationists, and policymakers concerned with the future of these critical ecosystems.



142,50 €

142,50 € (zzgl. MwSt.)

vorbestellbar, Erscheinungstermin ca. November 2026

Artikelnummer: 9780443301643

Medium: Buch

ISBN: 978-0-443-30164-3

Verlag: Elsevier Science

Erscheinungstermin: 01.11.2026

Sprache(n): Englisch

Auflage: Erscheinungsjahr 2026

Produktform: Kartoniert

Gewicht: 450 g

Seiten: 300

Format (B x H): 152 x 229 mm

