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Marine ecosystem conservation under climate change stress**Sofia Martinez**

University of Barcelona, Spain

Marine ecosystems are increasingly threatened by rising ocean temperatures, acidification, and coastal pollution. This research investigates the impacts of climate change on marine biodiversity, particularly coral reefs and fisheries. The study analyzes ecological changes in coastal ecosystems and evaluates conservation strategies including marine protected areas and ecosystem restoration programs. Findings reveal that integrated conservation policies and community

participation are essential for protecting marine biodiversity and sustaining coastal economies.

Biography

Sofia Martinez is a marine ecologist whose research focuses on climate change impacts on marine biodiversity and coastal ecosystems. She has worked extensively on coral reef conservation and marine sustainability initiatives across Europe and Asia.