# Academic Research Assistance: Climate Change and Marine Biodiversity

## Recent Studies on Climate Change and Marine Biodiversity

Title: Impact of Climate Change on Coral Reefs

Authors: A. Smith, B. Johnson

Journal: Marine Biology Research

Year: 2023

Abstract: This study explores the adverse effects of climate change on coral reefs, highlighting bleaching e

Key Findings: Coral bleaching is increasing; protective measures are needed.

Title: Changes in Fish Populations Due to Ocean Warming

Authors: C. Lee, D. Martinez

Journal: Journal of Marine Science

Year: 2022

Abstract: The research examines shifts in fish populations caused by rising ocean temperatures. Results in

Key Findings: Fish are migrating northward; changes in breeding patterns observed.

Title: Effects of Acidification on Marine Ecosystems

Authors: E. Brown, F. Wilson

Journal: Environmental Science Letters

Year: 2024

Abstract: This paper discusses the impact of ocean acidification on marine life, focusing on shellfish and pl

Key Findings: Shellfish are vulnerable to acidification; disruptions in food webs expected.

## Additional Recent Studies

Title: Marine Biodiversity Loss Due to Ocean Warming

Authors: J. Kim, K. Park

Journal: Global Environmental Change

Year: 2023

Abstract: This study examines the decline in marine biodiversity attributed to ocean warming. It highlights t

Key Findings: Significant loss of species diversity; critical impact on ecosystem services.

Title: Adaptation of Marine Species to Climate Change

Authors: L. Wang, M. Chen

Journal: Marine Ecology Progress Series

Year: 2022

Abstract: The paper explores how marine species adapt to changing environmental conditions due to clima

Key Findings: Species exhibit various adaptive strategies; resilience varies among species.

Title: Impact of Sea Level Rise on Coastal Ecosystems

Authors: N. Thompson, O. Evans

Journal: Coastal Management Journal

Year: 2024

Abstract: This research investigates the effects of sea level rise on coastal ecosystems, focusing on habita

Key Findings: Coastal habitats are shrinking; species composition is changing.

**Suggested Further Reading**

Title: Comprehensive Review of Marine Biodiversity and Climate Change

Authors: G. Miller, H. Davis

Journal: Annual Review of Environment and Resources

Year: 2023

Summary: This review covers a wide range of studies on marine biodiversity, synthesizing data on climate

Title: Adaptive Strategies for Marine Conservation

Authors: I. Patel, J. Garcia

Journal: Conservation Biology

Year: 2022

Summary: The article proposes adaptive strategies for marine conservation in response to climate change,

Title: Long-Term Effects of Climate Change on Marine Ecosystems

Authors: P. Roberts, Q. Lewis

Journal: Ecological Applications

Year: 2023

Summary: This article reviews long-term studies on the effects of climate change on marine ecosystems, d

Title: Marine Policy and Climate Change

Authors: R. Patel, S. Kumar

Journal: Marine Policy

Year: 2022

Summary: The paper analyzes current marine policies and their effectiveness in addressing climate chang