

PhD Thesis Introduction

Title: Exploring the Effects of Climate Change on Coastal Ecosystems: A Multidisciplinary Study

Climate change is one of the most pressing global challenges of our time, with far-reaching consequences for ecosystems and human societies. In recent decades, the accelerating pace of climate change has significantly impacted coastal areas, posing a threat to the delicate balance of coastal ecosystems and the services they provide. Understanding the intricate dynamics between climate change and coastal ecosystems is crucial for effective conservation and management strategies. This doctoral thesis aims to investigate the effects of climate change on coastal ecosystems through a multidisciplinary approach, integrating ecological, geological, and socio-economic perspectives. By examining key ecological indicators, assessing the geological changes in coastal regions, and analyzing the socio-economic implications, this research seeks to shed light on the complex interactions and potential vulnerabilities of coastal ecosystems in the face of climate change.