Forest Conservation Under Climate Change: Challenges and Solutions

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Abstract. Forest ecosystems are critical for biodiversity and climate regulation, yet they face unprecedented challenges due to climate change. This article examines the impacts of climate change on forest conservation and explores adaptive strategies to enhance forest resilience. The study highlights innovative conservation practices, such as assisted migration and habitat restoration, that can mitigate the adverse effects of climate change. Protecting forests is vital for maintaining ecological balance and supporting global biodiversity.

Keywords: Forest Conservation, Climate Change, Biodiversity, Resilience, Habitat Restoration

Introduction

Forests play a crucial role in maintaining global biodiversity and regulating the climate, but they are increasingly vulnerable to the impacts of climate change. This article explores the challenges facing forest conservation in a changing climate and examines adaptive strategies to enhance forest resilience. We focus on innovative conservation practices, such as assisted migration and habitat restoration, that can mitigate the adverse effects of climate change. By protecting forests, we can maintain ecological balance and support global biodiversity. This research emphasizes the need for international cooperation and policy support to address the complex challenges of forest conservation.

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