

Exploring the Evolutionary Dynamics of Invasive Species

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Abstract. Invasive species pose a major threat to native ecosystems. This study investigates the evolutionary dynamics that enable invasions, focusing on genetic adaptations and ecological interactions. Our research offers insights into managing invasive species and preserving biodiversity in affected regions.

Keywords: Invasive species, Evolutionary dynamics, Genetic adaptation, Biodiversity, Ecosystem management

Introduction

The spread of invasive species is a pressing ecological challenge, threatening biodiversity and ecosystem stability worldwide. Understanding the evolutionary dynamics that enable certain species to become invasive is crucial for developing effective management strategies. This study explores the genetic and ecological factors contributing to invasiveness, examining how these species adapt and thrive in new environments. By shedding light on the mechanisms of invasion, our research provides valuable insights for conservation efforts aimed at mitigating the impacts of invasive species.

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