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forest ecology is the scientific study of the interrelated patterns processes flora fauna and ecosystems in forests the management of forests is known as forestry silviculture and forest management forest ecology is the study of all aspects of the ecology of wooded areas including rainforest deciduous and evergreen temperate and boreal forest it includes the community ecology of the a forest is a complex ecological system in which trees are the dominant life form a forest is nature s most efficient ecosystem with a high rate of photosynthesis affecting both plant and animal systems in a series of complex organic relationships forest ecology articles within nature featured article 28 february 2024 open access latitudinal patterns in stabilizing density dependence of forest communities therefore we posed two key questions i what are the main ecological drivers of forest restoration success for biodiversity measured through ecological metrics such as abundance about the journal science to sustain the world s forests forest ecology and management focuses on scientific articles linking forest ecology with forest management with potential application of biological and ecological knowledge to the management and conservation of plantations and natural forests the journal encourages communication besides the establishment of extensive protected forest areas wilderness areas across forest biomes forest management is considered an important tool for the preservation of biodiversity and ecosystem functioning as key attributes for forest species conservation and ecological processes critically depend on management intensity a forest is an ecological system or biotic community dominated by trees ecology is the study of ecological systems and the mutual interactions between organisms and the environment the primary objective of forest ecology is to understand what controls the patterns of distribution and abundance of different organisms in forests of the world forest ecology and conservation a handbook of techniques adrian newton published 17 may 2007 cite permissions share abstract forest conservation has become one of the most important environmental issues currently facing humanity as a result of widespread deforestation and forest degradation this volume provides an overview of recent advances in forest ecology on a variety of topics including species diversity and the factors that control species diversity environmental factors controlling distribution of forests impacts of disturbances on forests fires drought hurricane reproduction ecology of both trees and understory spec introduction forest ecosystem attributes important diversities in forests part of the

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