

Role of Habitat Restoration and Policy Interventions for Keystone Species Conservation in the Tropical Ecosystems

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Abstract: Tropical ecosystems, particularly in India's central highlands, are biodiversity hotspots threatened by deforestation, land-use changes, and climate variability. Alirajpur district of Madhya Pradesh is home to several keystone species that regulate ecosystem balance. This review evaluates various habitat restoration approaches and policy interventions directed at conserving these keystone species in the tropical forests of Alirajpur. It critically analyzes ecological restoration efforts, their effectiveness, community participation, and policy frameworks like Joint Forest Management. The paper also presents synthesized data in tabular and graphical formats to assess restoration outcomes. It concludes with strategic recommendations for integrating ecological science, indigenous knowledge, and governance reforms for sustained conservation impact.

Keywords: Ecosystem restoration, Ecological succession, Wetland restoration