

An International Edition

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2025



VANISHING DIVERSITY

Global threats to flora and fauna

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Vanishing Diversity: Global Threats to Flora and Fauna

pp. 513-527, 2025, ISBN- 978-81-985978-7-8

Editors: M A Khalid, Sanjay Kumar, Esha Yadav, Pranay Punj Pankaj, Rakesh K. Kharwar

Publisher: M/S Academic Publishers & Distributors, Lucknow, India

DOI: <https://doi.org/10.5281/zenodo.17845028>



**CONSERVATION MEASURES AND STRATEGIES FOR
DECLINING BIODIVERSITY-NATIONAL AND GLOBAL
PERSPECTIVE**

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(Received 11 July 2025, Revised 12 September 2025, Accepted 24 September 2025)

ABSTRACT : The chapter deals with various conservation measures and strategies for dealing with the vanishing biodiversity of India. Being one of the most biodiversity rich countries of the world and ranking amongst one of the 17 megadiverse countries, it boasts to have 7-8% of all recorded species globally with more than 45,000 species of plants and 91,000 species of animals. The Protected Areas governed under Wildlife Protection Act, 1972 help in conserving wild flora and fauna of the country. There is need to protecting wildlife corridors and restoring habitats for the wildlife by implementation of stricter wildlife protection laws, establishment of wildlife corridors, restoration of degraded habitats and at the same time involving local stakeholders and eminent wildlife NGOs for conserving the fast-depleting biodiversity. The chapter also discusses various global as well as national conventions and Frameworks for biodiversity conservation along with key wildlife laws and legislations. Major drivers of biodiversity loss along with major recovery of endangered species through conservation efforts undertaken have been described through few national and international success stories.

Key words : Biodiversity, protected areas, wildlife corridors, restoration of habitats, conventions and frameworks for biodiversity conservation, wildlife NGOs.

Introduction

India is one of the most biodiversity rich countries of the world, as it ranks amongst one of the 17 megadiverse countries despite having just 2.4% of world's total land area, boasting 7-8% of all recorded species globally with more than 45,000 species of plants and 91,000 species of animals (IUCN India, 2025). Historically ancient Indian culture and traditions always promoted conservation, but greed for land and over-exploitation of natural resources particularly forests and climate change have led to fast losing our rich biodiversity. Currently, through *In-situ* and *Ex-situ* conservation strategies of India, biodiversity is preserved in its vast network of Protected Areas like National Park, Wildlife Sanctuaries, Biosphere Reserves etc., managed through Ministry of Environment, Forests and Climate Change at Government of India level and by respective State Forest Departments of their State Governments. Conservation efforts are being made through establishment of wildlife corridors and habitat restoration and through