

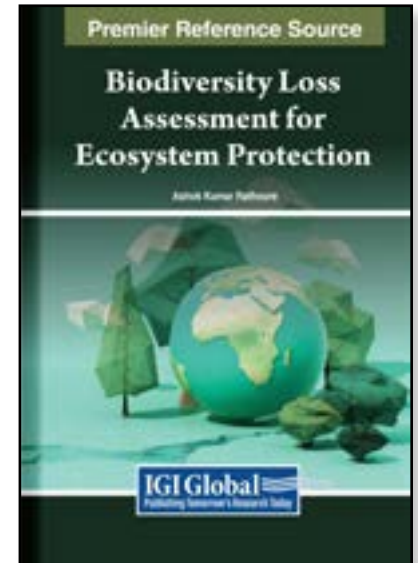
Biodiversity Loss Assessment for Ecosystem Protection

Part of the Advances in Environmental Engineering and Green Technologies Book Series

Ashok Kumar Rathoure (Saraca Research Inc, India)

Description:

In an era defined by relentless human activities and rapid ecological transformations, the world faces an escalating crisis – the precipitous loss of biodiversity. As we grapple with the consequences of industrialization, urbanization, and unchecked developmental pursuits, the very fabric of life on Earth is unraveling. Biodiversity, encompassing the myriad species, their genetic variations, and the intricate interplay within ecosystems, is diminishing at an unprecedented pace. This decline, termed biodiversity loss, extends beyond a mere statistical measure; it reflects the unraveling of the intricate tapestry that sustains life on our planet. In the face of climate change, pollution, habitat loss, overexploitation of species, and the invasion of non-native species, the urgency to address biodiversity loss has never been more critical. It is against this backdrop that this book emerges, titled **Biodiversity Loss Assessment for Ecosystem Protection**.



This groundbreaking work not only unveils the theoretical frameworks surrounding biodiversity conservation but also presents the latest empirical research findings, making it an indispensable tool for professionals across diverse disciplines. From stress on biodiversity and impact assessment to innovative approaches for studying terrestrial, aquatic, and marine components, each chapter provides a deep dive into specific facets of biodiversity loss. The objective is clear: to equip scholars with the knowledge they need to contribute meaningfully to the preservation of our planet's rich biological heritage.

Tailored for professionals and researchers in fields ranging from life sciences to environmental engineering, this book delves into critical topics such as ecological risk assessment, carbon sequestration, and the impact of industrial activities on biodiversity. With recommended topics covering a spectrum of issues, from the ecological changes detection to cost-benefit analysis with a focus on biodiversity loss, the book caters to an audience keen on both theoretical insights and practical strategies. **Biodiversity Loss Assessment for Ecosystem Protection** is not just a scholarly exploration; it's a call to action, urging academics to become catalysts for change and champions for the preservation of Earth's intricate web of life.

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**Hardcover +
E-Book:** \$305.00

Topics Covered:

- Biodiversity Impact Assessment
- Biodiversity Loss Due from Roadway Expansion
- Biodiversity Loss from Developmental Activities
- Biodiversity Loss within Streams
- Biodiversity Management Plan (BMP)
- Carbon Sequestration by Terrestrial, Aquatic, and Marine Biodiversity
- Cost Benefit Analysis to Biodiversity Loss
- Ecological Changes Detection
- Ecological Risk Assessment
- Ecosystem Services
- Marine Biodiversity Impact Assessment
- Methodology for Biodiversity Conservation
- Methodology for Biodiversity Loss Assessment
- Need for Biodiversity Conservation and Conservation Strategies
- Plantation Methodologies & Strategies
- Stress on Biodiversity

Subject: Environment & Agriculture

Classification: Edited Reference

Readership Level: Advanced-Academic Level
(Research Recommended)

Research Suitable for: Advanced Undergraduate Students; Graduate Students; Researchers; Academicians; Professionals; Practitioners

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