



Call for Papers Special Issue of the Indian Ecological Society, Ludhiana, Punjab

Theme: *Reimagining Forest Futures: Ecology-Driven Innovations for Sustainable Ecosystems, Biodiversity Conservation, and Community Resilience*

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Introduction

Forests are essential ecosystems that provide vital services such as carbon sequestration, biodiversity support, and resources for rural communities. However, they face significant threats from climate change, deforestation, and human activities, compromising their ecological stability. Climate change exacerbates traditional stressors on forests, leading to increased frequency of wildfires, floods, and droughts, which damage forest ecosystems. Deforestation, particularly in tropical regions, contributes significantly to carbon emissions, accounting for about 11% of global greenhouse gas emissions.

To address these challenges, a shift towards sustainable forest management (SFM) is crucial. SFM emphasizes ecology-driven approaches that integrate scientific knowledge with local and traditional practices. This holistic perspective aims to enhance forest resilience, conserve biodiversity, and promote community well-being.

Forests are also integral to the livelihoods of approximately 1.6 billion people worldwide, providing timber, non-timber forest products, and other resources essential for their sustenance. Therefore, protecting and sustainably managing forests is not only an environmental imperative but also a socio-economic necessity.

Recognising the urgency and importance of fostering innovative, ecology-driven approaches to forest management, **the Indian Ecological Society (IES), Ludhiana**, invites original research articles, reviews, conceptual papers, and case studies for a **Special Issue** on "**Reimagining Forest Futures: Ecology-Driven Innovations for Sustainable Ecosystems, Biodiversity Conservation, and Community Resilience.**"

Authors are invited to submit contributions that address (but are not limited to) the following sub-themes:

- 1. Ecology-Driven Forest Management Practices**
 - Ecosystem-Based Management (EBM)/Adaptive Forest Management
 - Restoration Ecology in Forested Landscapes
 - Precision Forestry/silviculture
 - Integrating Traditional Ecological Knowledge (TEK)
- 2. Forest Biodiversity Conservation in a Changing World**
 - Landscape Ecology and Connectivity
 - Species-Specific Conservation Strategies
 - Managing for Functional Diversity
 - Climate-Resilient Biodiversity Conservation
- 3. The Role of Agroforestry in Enhancing Ecological Resilience and Livelihoods**
 - Agroforestry Systems for Biodiversity Conservation, Climate Change Adaptation and Mitigation
 - Ecosystem Services from Agroforestry
 - Agroforestry Systems as land use for integrating NTFPs
 - Policy and Institutional Support for Agroforestry
- 4. Forestry and Wildlife Management**
 - Habitat Management for Wildlife Conservation
 - Human-Wildlife Conflict Mitigation
 - Eco-development and Wildlife Tourism
 - Monitoring and Adaptive Management of Wildlife Populations
- 5. Forest Policy, Governance, and Community Engagement**

- Community-Based Forest Management (CBFM)
 - Forest Tenure and Resource Rights
 - Payment for Ecosystem Services (PES)
 - Integrating Climate Change into Forest Policy
- 6. Innovations in Forest Technology and Engineering**
- Remote Sensing and GIS for Forest Monitoring
 - Drones and Unmanned Aerial Vehicles (UAVs) for Forest Inventory and Mapping
 - Biotechnology for Forest Improvement
 - Sustainable Forest Harvesting Technologies

Submission Guidelines

Manuscripts must be submitted **in accordance with the author guidelines of the *Indian Journal of Ecology*** [visit: <https://indianecologicalsociety.com/guidelines-for-authors/>]

Articles must be original, unpublished, and not under consideration elsewhere. The word limit for full-length papers is 5000 words (excluding references).

All submissions should include:

- Title, abstract (250 words approximately), keywords (5–6)
- Full author details with institutional affiliation and ORCID (if available)
- References must follow journal style. **The related papers published in *Indian J Ecology* must be cited.**
- Manuscripts must be submitted online on the IES website (<https://indianecologicalsociety.com/submit-manuscript/>) under the special issue on "Reimagining Forest Futures: Ecology-Driven Innovations for Sustainable Ecosystems, Biodiversity Conservation, and Community Resilience". A copy of the full manuscript may also be emailed to drnsthakur@yahoo.in.
- For detailed guidelines, consult the author guidelines of the Indian Journal of Ecology [visit: <https://indianecologicalsociety.com/guidelines-for-authors/>].
- For any query, contact at email drnsthakur74@gmail.com

Important Dates

- **Manuscript Submission Deadline:**[31.07.2025]
- **Peer Review Completion:**[31.08.2025]
- **Expected Publication:**[31.10.2025]

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I Editors (Special Issue)

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