

Special Issue

Landscape Fragmentation: Effects on Biodiversity and Wildlife

Message from the Guest Editors

Landscape fragmentation is a widespread consequence of changes in land use and land cover, particularly in forested and semi-desert areas. This process, driven by factors such as population growth, agricultural expansion, urbanization, and climate change, disrupts ecological connectivity, degrades habitat quality, and poses significant threats to biodiversity and ecosystem resilience. This Special Issue focuses on advancing the understanding of the ecological, spatial and functional consequences of landscape fragmentation in forest and semi-desert ecosystems. By integrating advanced tools and analyses such as remote sensing, spatial analysis, ecological connectivity models, machine learning and multi-criteria decision-making, this collection aims to shed light on the spatial dynamics, habitat fragmentation and ecological processes that influence biodiversity and ecosystem services. This Special Issue welcomes contributions that adopt interdisciplinary approaches and innovative methodologies to explore the challenges and solutions associated with landscape fragmentation, biodiversity conservation, and ecosystem sustainability.

Guest Editors

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Message from the Editor-in-Chief

Land is the only open access journal covering all aspects of land science, and it is a pioneering platform for publishing on land system science. Our editorial board is comprised of eminent scholars. We publish high quality research on societally relevant, emerging and innovative topics and results in land system research. It is now one of the top land journals with a significant Impact Factor, and has a goal to become the best journal in land in the coming years.

Editor-in-Chief

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