Biology

an Open Access Journal by MDPI

CiteScore: 7.3
Indexed in PubMed
Impact Factor: 4.3

Special Issue Reprint

Advances in Wildlife Conservation and Habitat Management in the Anthropocene

Edited by: Yiannis G. Zevgolis and Panayiotis G. Dimitrakopoulos

This Reprint presents contributions from the Special Issue “Advances in Wildlife Conservation and Habitat Management in the Anthropocene”, offering a synthesis of conservation challenges in terrestrial and human-modified environments. The collection examines how wildlife populations, habitats, ecological processes, and management outcomes are shaped by interacting anthropogenic, biotic, and abiotic stressors, including habitat loss, fragmentation, climate extremes, invasive species, disease, drought, and wildfire. The Reprint highlights that conservation problems in the Anthropocene are rarely driven by single pressures acting in isolation. Instead, ecological responses are often nonlinear, taxon specific, spatially heterogeneous, and context-dependent. Across protected areas, agroecological landscapes, freshwater systems, insular settings, and broader terrestrial environments, the contributions show how multiple stressors can affect connectivity, habitat quality, community dynamics, population viability, and species resilience. Together, these studies advance understanding of wildlife conservation and habitat management under accelerating environmental change. They include empirical research, applied assessments, and case-based insights relevant to habitat suitability modelling, protected area management, threatened species conservation, biodiversity monitoring, and adaptive management. By linking ecological evidence with conservation needs, this Reprint provides a forward-looking resource for researchers, practitioners, and decision makers seeking to support biodiversity conservation and sustainable land management.

https://www.mdpi.com/books/reprint/13245