



land



an Open Access Journal by MDPI

Modelling the Impact of Climate and Land Use Changes on Wildlife by Integrated Distribution and Connectivity Analyses

Guest Editors:

Dr. Valerio Orioli

Department of earth and environmental sciences - DISAT, Università degli Studi di Milano-Bicocca, 20126 Milan, Italy

Dr. Olivia Dondina

Department of earth and environmental sciences - DISAT, Università degli Studi di Milano-Bicocca, 20126 Milan, Italy

Deadline for manuscript submissions:

closed (31 May 2021)

Message from the Guest Editors

Land use and climate change are recognized as the two major processes affecting the realized distribution of wildlife in the Anthropocene. The amount, spatial arrangement, and integrity of original habitats are increasingly being altered, relegating animal populations into fragmented and progressively more isolated habitat remnants. In turn, the disruption of individuals and genetic fluxes among populations trigger cascade effects that can end in the so-called extinction vortex. Effective landscape and conservation planning should rely on a comprehensive evaluation of the independent and synergic effects of both land use and climate change. Nowadays, many modelling frameworks dealing with different sources of predictors exist to infer species distribution and functional connectivity among residual populations. In this Special Issue, we would like to collect research papers that adopt innovative methods to integrate species distribution and connectivity information in order to evaluate the effect of land use change, climate change, or their interaction on single species or multiple-species distribution.



mdpi.com/si/57540

Special Issue

an Open Access Journal by MDPI

Editor-in-Chief

Prof. Dr. Christine Fürst

Institute for Geosciences and
Geography, Department
Sustainable Landscape
Development, University of Halle,
Von-Seckendorff-Platz 4, 06120
Halle, Germany

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. I strongly recommend *Land* for your best research publications for a fast dissemination of your research.

Author Benefits

Open Access: free for readers, with article processing charges (APC) paid by authors or their institutions.

High Visibility: indexed within Scopus, SSCI (Web of Science), PubAg, AGRIS, GeoRef, RePEc, and other databases.

Journal Rank: JCR - Q2 (*Environmental Studies*) / CiteScore - Q1 (Nature and Landscape Conservation)

Contact Us

Land Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland

Tel: +41 61 683 77 34
www.mdpi.com

mdpi.com/journal/land
land@mdpi.com
X@Land_MDPI