Special Issue

Towards Biodiversity Conservation: Remote Sensing Applications in Ecological Modeling

Message from the Guest Editors

Biodiversity conservation is one of the critical issues of our time. If the global trend of species loss continues, it could have devastating impacts on ecosystems and humanity, so urgent action is required. Combating the biodiversity crisis is complex, requiring deep knowledge of at-risk species and their interactions with other species and the environment. To understand this complexity, ecological models are invaluable to provide insight on factors that impact biodiversity from observed or simulated data, to predict future trends in wildlife populations, and identify potential strategies for intervention for species of conservation concern. Ecological modeling therefore plays an integral role in the management of species to safeguard future biodiversity. Remote sensing technologies are being increasingly used to collect data on which to train and develop ecological models, to predict future trends in populations and ecosystems, and to monitor the impact of interventions. These technologies have the potential to increase the accuracy, coverage, and frequency of data collection so that more reliable, comprehensive, and timely management decisions can be made to conserve species.

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Message from the Editor-in-Chief

Remote Sensing is now a prominent international journal of repute in the world of remote sensing and spatial sciences, as a pioneer and pathfinder in open access format. It has highly accomplished global remote sensing scientists on the editorial board and a dedicated team of associate editors. The journal emphasizes quality and novelty and has a rigorous peer-review process. It is now one of the top remote sensing journals with a significant Impact Factor, and a goal to become the best journal in remote sensing in the coming years. I strongly recommend *Remote Sensing* for your best research publications for a fast dissemination of your research.

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