Special Issue

Tropical Forest Ecology Monitoring—New Techniques and Future Implications

Message from the Guest Editors

Tropical forests are home to the greatest diversity of forest species in the world. Monitoring the ecology and diversity of forest species in tropical forests has been a challenge. Traditional methods based on data collected manually in the field are time-consuming and expensive. In recent years, some technologies that use remote sensing, whether by passive sensors with satellite images or unmanned aerial vehicles, or by active sensors with light detection and ranging, have been used to monitor the structure and diversity of forest species. Combined with these technologies based on remote sensing, artificial intelligence techniques such as neural networks have been developed and can be used to monitor the ecology of tropical forests. This Special Issue aims to provide selected contributions on advances and new techniques that have future implications for monitoring the ecology of tropical forests. Potential topics include, but are not limited to, the following: - Light detection and ranging; - Multi- and hyperspectral imaging; - Artificial intelligence; - Functional diversity; - Carbon stock and aerial biomass; - Species diversity; - Forest management.

Guest Editors

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Forests (ISSN 1999-4907) is an international and cross-disciplinary, scholarly forestry journal. The distinguished editorial board and refereeing process ensures the highest degree of scientific rigor and review of all published articles. Original research articles and timely reviews are released online, with unlimited free access. Our goal is to have *Forests* be recognized as one of the foremost publication outlets for high quality, leading edge research in this broad and diverse field. We therefore invite you to be one of our authors, and in doing so share your important research findings with the global forestry community.

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