Special Issue

Recent Advances in Pattern Recognition and Analysis in Landscape Ecology

Message from the Guest Editor

In the field of landscape ecology, satellite and drone (UAV) imagery, LIDAR, and novel tracking methods have allowed researchers to measure disturbances and predict their future spread, to predict native and invasive species dispersal through heterogeneous landscapes, and to better connect drivers such as climate, nutrient cycles, and species competition to the patterns observed in these data. Remote sensing is often combined with spatially explicit models, such as cellular automata and agent-based models, as well as spatial statistics for hypothesis testing and predictive simulations. We invite papers on the use of spatial pattern recognition and analysis to study landscape-scale processes, as well as review and perspective papers summarizing emerging areas, such as automated pattern recognition for imagery, and interdisciplinary papers which examine patterns in human-scaled landscapes (such as cities or regions).

Guest Editor

Prof. Dr. Audrey L. Mayer
College of Forest Resources and Environmental Science, Michigan Technological University, Houghton, MI 49931, USA

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Remote Sensing
Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
remotesensing@mdpi.com

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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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Prof. Dr. Dongdong Wang
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