Special Issue

Deep Learning in Environmental Remote Sensing: Enhancing Ecosystem Monitoring

Message from the Guest Editors

Deep learning is rapidly reshaping the field of environmental remote sensing, opening new frontiers for the monitoring and management of ecosystems. This Special Issue centers on the latest research, methodologies, and real-world applications where deep learning technologies drive more effective and timely ecosystem observation. This issue encourages submissions that address practical challenges in ecosystem monitoring, including, but not limited to, dealing with heterogeneous and multi-source remote sensing data, improving spatial and temporal resolution, and enhancing the interpretability and reliability of deep learning outputs for environmental decision-making. Studies that integrate deep learning with ecological models or traditional remote sensing techniques, as well as those presenting case studies of ecosystem applications at local, regional, or global scales, are especially welcomed. By assembling cutting-edge research and practical solutions, this Special Issue aims to advance the capabilities of deep learning in environmental remote sensing, empowering scientists, practitioners, and policymakers to better understand, protect, and sustainably manage our ecosystems.

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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 peerreview 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.

Editor-in-Chief

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