Special Issue

Advances in Machine Learning Algorithms for Atmospheric Remote Sensing

Message from the Guest Editors

This Special Issue aims to highlight and advance the use of machine learning algorithms in atmospheric remote sensing to address critical environmental and societal challenges. By focusing on ML applications in hyperspectral sensing, innovative techniques, air quality analysis, and urban pollution studies, this issue aligns with the journal's mission to disseminate cutting-edge research in remote sensing technologies. The proposed contributions will provide solutions to pressing challenges in atmospheric science while demonstrating the integration of computational advancements with Earth observation (EO) systems. We encourage the submission of interdisciplinary contributions that blend ML innovations with atmospheric science challenges. Submissions should highlight methodological advancements, novel applications, or actionable insights that support environmental monitoring, climate studies, and urban adaptation efforts. This Special Issue offers an opportunity for researchers to contribute cutting-edge developments at the intersection of atmospheric remote sensing and ML. We look forward to receiving your submissions.

Guest Editors

Dr. Alqamah Sayeed

Dr. Ahmed Khan Salman

Dr. Siddharth Chaudhary

Deadline for manuscript submissions

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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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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.

Editor-in-Chief

Dr. Prasad S. Thenkabail
Senior Scientist (ST), U. S. Geological Survey (USGS), USGS Western Geographic Science Center (WGSC), 2255, N. Gemini Dr., Flagstaff, AZ 86001, USA

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