Special Issue

Latest Developments and Applications in Remote Sensing with Nighttime Lights

Message from the Guest Editor

Over the last decade, it has become clear that constraining long-term trends from photometric night sky brightness measurements is a complex problem that involves many aspects, such as the quantification of instrumental effects, atmospheric composition and the environment.

This Special Issue aims to address this knowledge gap through several pathways, such as combining state-of-the-art (atmospheric) modeling with existing empirical datasets concerned with light pollution, the atmosphere and meteorological conditions. Moreover, authors are invited to contribute with the further assessment of sensor aging effects, using novel or existing methods. Articles may address, but are not limited to, the following topics:

- Long-term trend assessment of light pollution;
- Impact of atmosphere on photometric night sky brightness measurements (models and empirical);
- Impact of terrain, vegetation and other meteorological conditions on photometric night sky brightness measurements (models and empirical);
- Source characterization;
- Instrumental effects, such as “sensor aging”.

Guest Editor

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Deadline for manuscript submissions

closed (30 June 2023)

Remote Sensing

an Open Access Journal by MDPI

Impact Factor 4.1
CiteScore 8.6

mdpi.com/si/115120

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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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