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Developments in Remote Sensing and Population Modelling

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Message from the Guest Editors

Accurate and systematic population estimates across the globe, primarily in the Global South, are crucial pieces of information in order to meet the Sustainable Development Goals set by the United Nations, reducing inequalities and promoting pro-poor policies. Harnessing the power of remote sensing, Geographic Information Systems, geostatistical, and machine learning techniques, it is possible to provide reliable population predictions at various scales (i.e., urban, regional, national, continental).

This Special Issue welcomes recent developments related to:

- Improving the modeling techniques coupling Earth Observation and population data;
- Innovative ways to combine remote sensing with other types of ancillary features such as OpenStreetMap data and mobile phone information for population estimation;
- Proposing new methods to distribute population in both bottom-up and top-down approaches using remote sensing data;
- Exploring the effects of spatial scale in population distribution models primarily relying on Earth Observation information;
- Applications of existing methods in regions where population information is scarce.

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Special Issue

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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.

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