



Image processing and satellite imagery analysis in environments

Guest Editor:

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Message from the Guest Editor

Dear Colleagues,

The Special Issue of *Geosciences* titled: "Image Processing and Satellite Imagery Analysis in Environments" is here proposed to stress the role of satellites in the analysis and monitoring of environments. However, satellite imagery needs to be processed to extract data from it. Many methods and algorithms exist and many can be developed which can properly enhance and extract information from satellite maps, in different ranges of frequencies, recorded at different scales, from local to global environments.

Let me suggest a few subjects which can be suitable for the Special Issue. In particular, but not exclusively, the topics related to:

- Satellite imagery and the monitoring of polar ice and glaciers;
- Coastline erosion and deposition;
- Internal waves in oceans and atmospheres;
- Sand dunes and their motion seen from space;
- The vegetation indices and their monitoring from space;
- The study of life seen from space; for instance, how animals interact with vegetation;
- The impact of urbanization on rural area; agriculture and deforestation;
- The impact of human activities on cultural heritage and natural sites.





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Message from the Editor-in-Chief

Understanding the Earth's origin and its bio-geological evolution, the multiple implications of the geosciences (as a coherent set of interconnected disciplines), and the sociocultural and ethical interdisciplinary approaches, will be crucial for a better understanding of Nature, and also for undertaking scientifically based political decisions.

We are committed to drive *Geosciences* to a position in which it is recognized for its high-quality, cutting-edge research and scientific influence, and strongly encourage and invite your participation and manuscripts.

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