



Image Processing and Satellite Imagery Analysis in Environments II

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Message from the Guest Editor

Dear Colleagues,

Environmental studies are broadening from the small scale of local environments up to a global scale and beyond. To understand the evolution of the life on Earth and, in particular, to recognize how the human activities affect life and vice versa, we need to collect and analyze data concerning the vastly complex system of life on our planet.

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

Below are some suggestions of topics that are suitable for inclusion in this Special Issue, although please note that many more could be added to this list:

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.





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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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