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Geoinformatics and Remote Sensing Applications for the Current Needs for Environmental Management and Protection

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Message from the Guest Editors

The intensified use of natural resources and increasing degree of urbanization are predicted to be the main factors to profoundly change the earth's environment in the 21st century. To better understand current environmental issues, we need the support of methods and tools developed in the discipline of geoinformatics and remote sensing technology, which have been widely used in environmental and earth sciences for data collection, image fusion and processing, spatial modeling and analysis, and the visualization of research results. This Special Issue focuses on the theories, methodologies, and applications of geoinformatics and remote sensing regarding a broad range of topics, including, but not limited to, the following aspects:

- Multisource image classification and information extraction;
- Fusing temporal data for change detection in land use/cover mapping and updating;
- Landscape structure analysis and monitoring;
- Spatial analysis and visualization of three-dimensional real scenes;
- Decision support tools for spatial conservation and restoration;
- Big data analysis for supporting spatial planning.

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Message from the Editor-in-Chief

As the world of science becomes ever more specialized, researchers may lose themselves in the deep forest of the ever increasing number of subfields being created. This open access journal Applied Sciences has been started to link these subfields, so researchers can cut through the forest and see the surrounding, or quite distant fields and subfields to help develop his/her own research even further with the aid of this multi-dimensional network.

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