GeoAI for Land Use Observations, Analysis and Forecasting

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Message from the Guest Editors

Dear Colleagues,

In this Special Issue, we seek groundbreaking research and case studies that demonstrate future applications and advances in geographic artificial intelligence. Relevant topics include, but are not limited to the following:

- Artificial intelligence for land use;
- Geospatial artificial intelligence (geospatial AI or GeoAI) for land use;
- AI in geostatistics and spatiotemporal simulation;
- AI For geospatial data acquisition, analysis, planning, and prediction;
- Hyperspectral imaging (HSI), lidar, and synthetic aperture radar (SAR);
- Land change detection;
- Natural resource management;
- Semantic reasoning, semantic representation, and knowledge bases;
- Contrastive learning, representation learning, and reinforcement learning;
- Meta-learning, transfer learning, and few-shot learning;
- Spatiotemporal integration;
- Time series prediction and forecasting;
- Multimodal artificial intelligence;
- Visual- and spatial-based perception enhancement and reasoning;
- Large language model (LLM) and GenAI;
- Wetland classification and forecasting

Special Issue

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Message from the Editor-in-Chief

Land is the only open access journal covering all aspects of land science, and it is a pioneering platform for publishing on land system science. Our editorial board is comprised of eminent scholars. We publish high quality research on societally relevant, emerging and innovative topics and results in land system research. It is now one of the top land journals with a significant impact factor, and has a goal to become the best journal in land in the coming years. I strongly recommend Land for your best research publications for a fast dissemination of your research.

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