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Remote Sensing of Large Rivers

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Message from the Guest Editors

Dear Colleagues,

Large rivers play important roles on Earth, such as transporting eroded materials from the continents to the ocean, facilitating the transfer of nutrients through biogeochemical cycles, and sustaining complex ecosystems and high levels of biodiversity. They are also important resources (energy sources, irrigation, food and transportation) and can even be hazardous for human populations. Remote sensing can be one of the most efficient and relevant means to regularly assess the spatiotemporal dynamics of various riverine environments, including channels, floodplains, lakes, reservoirs and wetlands over a large scale. We invite studies of large rivers solidly based on any types (active or passive) and platforms of remote sensing, including water resources, fluxes or the management of large rivers, as well as review articles. We particularly encourage the submission of remote sensing studies analyzing the vulnerability and responses of large fluvial systems, such as dam construction, deforestation, or sand mining activities.

- large rivers
- hydrology
- geomorphology
- ecology
- remote sensing



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Dr. Enner Alcântara
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Guest Editors

Special Issue



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Message from the Editor-in-Chief

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