



Karst Land System and Sustainable Development

Guest Editor:

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Message from the Guest Editor

Karst areas are globally distributed and occupy about 15% of the Earth's surface, supporting almost 20% of the world's population. Under the dual influence of climate change and human activities, promoting karst system science has important significance in clarifying the karst ecosystem's patterns, processes, services, and functions; revealing land–climate interactions and the water–energy–land–food nexus; and evaluating the ecosystem quality, ecological security, and the sustainability of ecological restoration.

The research fields for this Special Issue encompass karst ecosystem quality, ecosystem services, climate change, ecological restoration, carbon sink evolution, land management, and element biogeochemical cycle.

- The evolution process of ecological and environmental quality affected by climate change and land use change.
- The hydrological and biogeochemical cycling of elements driven by natural factors and human activities.
- To evaluate vegetation carbon sinks, carbonate rock chemical weathering carbon sinks, and sustainable development strategies in the karst region.





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Message from the Editor-in-Chief

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