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## New Tools for Terrestrial Carbon Cycle and Land Surface Modelling

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Deadline for manuscript  
submissions:

**closed (31 March 2024)**

### Message from the Guest Editors

We are looking to publish reviews, regular research papers, communications, and short notes covering a broad range of topics connected to terrestrial carbon cycle and land surface modelling. These include, but are not limited to, the following:

- Carbon flux between the atmosphere and plants, plants and animals, animals and soils, and biosphere and atmosphere, and from fossil fuels to the atmosphere, and the atmosphere to oceans (water);
- The interaction of CO<sub>2</sub> and climate;
- The terrestrial carbon cycle and the role of the terrestrial biosphere, focusing on, but not limited to, pools, fluxes, and processes;
- Sensing and measurement of land–atmosphere carbon fluxes;
- Modelling of the terrestrial biosphere;
- Monitoring and modelling of sources and sinks of greenhouse gases;
- Spatial sampling technology and applications in land surface modelling;
- Predicting and measuring the response of vegetation to atmospheric changes;
- Use of geographical information systems (GIS) in land surface modelling;
- Implications of the terrestrial carbon cycle on public health.



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# 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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