

Special Issue

Monitoring GHG Emissions from Land Use Change and Disturbances

Message from the Guest Editors

Greenhouse gas (GHG) fluxes from land use change and disturbances are important outcomes of the anthropogenic impacts on biosphere. Studies of both emissions (a loss of carbon, methane, and nitrous oxide emissions) and removals (increased carbon sinks) are key topics in this Special Issue. We welcome original experimental papers, analytical studies, and reviews covering the areas listed below:

- Carbon accumulation in land converted to forest from agriculture;
- GHG balance of carbon farms and plantations;
- Loss of carbon by dried peatlands;
- Methane emissions following the rewetting of peatlands;
- Postfire GHG emissions due to the decomposition of roots and dead wood;
- GHG emissions after forest/crop disturbances by pests and plant diseases;
- Changes in GHG emissions due to changes in agricultural practices;
- Impact of deforestation and conversion from forest to agricultural land.

Guest Editors

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Dr. Pavel Shirokikh

Deadline for manuscript submissions

closed (31 July 2023)



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About the Journal

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.

Editor-in-Chief

Prof. Dr. Christine Fürst
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