



Impact of Land-Use Change on Water Resources

Guest Editor:

Dr. Soni M. Pradhanang
Department of Geosciences,
University of Rhode Island,
Kingston, RI 02881, USA

Deadline for manuscript
submissions:
closed (22 August 2022)

Message from the Guest Editor

Extreme events due to climate change, when combined with land-use change, have many impacts on hydrological processes in the watershed. The quantity and quality of water available for human consumption and ecosystem processes are affected mainly by land use and climate change. Contaminants from various sources, including agricultural, urban, and industrial areas, are increasing and posing threats locally, regionally, and globally. For this Special Issue, we solicit papers related to any aspects of land use and climate change impacts on hydrologic systems. The following are the topic areas we are particularly interested in:

1. Application of hydrological models to assess the impact of land use and climate change on surface and groundwater quantity and quality;
2. Impacts on land-use and climate change on hydrological controls;
3. Changes in water ecosystem services due to land-use and climate change;
4. Changes in the biogeochemistry of water resources;
5. Impacts on water security due to land-use conversions and extreme events.

This Special Issue will provide peer-reviewed papers that will be a valuable resource for students, researchers, educators, planners, and managers.





an Open Access Journal by MDPI

Editor-in-Chief

Prof. Dr. Christine Fürst

Department Sustainable
Landscape Development,
Institute for Geosciences and
Geography, University of Halle,
Halle, Germany

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.

Author Benefits

Open Access: free for readers, with article processing charges (APC) paid by authors or their institutions.

High Visibility: indexed within Scopus, SSCI (Web of Science), GEOBASE, PubAg, AGRIS, GeoRef, RePEc, and other databases.

Journal Rank: JCR - Q2 (Environmental Studies) / CiteScore - Q1 (Nature and Landscape Conservation)

Contact Us

Land Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland

Tel: +41 61 683 77 34
www.mdpi.com

mdpi.com/journal/land
land@mdpi.com
X@Land_MDPI