Special Issue

Spatiotemporal Variations of Land Surface Temperature

Message from the Guest Editors

Land surface temperature (LST) is a key parameter for investigating the interactions between the land surface and the atmosphere, including the exchange of surface matter, surface energy balance, and surface physicochemical processes. It has been used in a wide variety of studies, including drought monitoring, urban thermal environment monitoring, and climate change studies. Accurate knowledge of the spatiotemporal variations in LST can help us better understand the thermal behavior of the Earth's surface and its physical properties. Several satellite-derived thermal infrared LST products are available to the scientific community—e.g., MODIS, ATSR/AATSR/SLSTR, and Landsat. These long time-series LST products provide a unique opportunity to analyze and characterize the spatiotemporal variations in LST. This Special Issue focuses on spatiotemporal variations in LST, the spatiotemporal fusion of LST, the trend analysis of time-series LST, and the modeling of diurnal and annual cycles of LST.

Guest Editors

Dr. Sibo Duan

Dr. Wenfeng Zhan

Dr. Wei Zhao

Dr. Penghai Wu

Deadline for manuscript submissions

closed (20 April 2023)

Land

an Open Access Journal by MDPI

Impact Factor 3.2
CiteScore 5.9

mdpi.com/si/86288

Land
Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
land@mdpi.com

mdpi.com/journal/land

Land

an Open Access Journal by MDPI

Impact Factor 3.2
CiteScore 5.9

mdpi.com/journal/land

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

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)