geosciences

an Open Access Journal by MDPI

IMPACT FACTOR 2.4

CITESCORE 5.3

Land Surface Modeling

Guest Editors:

Dr. Shuang Liu
Key Laboratory of Mountain Hazards and Earth Surface Processes, Institute of Mountain Hazards and Environment, Chinese Academy of Sciences, Chengdu 610041, China

Dr. Yujin Zeng
Program in Atmospheric and Oceanic Sciences, Princeton University, Princeton, NJ 08540, USA

Deadline for manuscript submissions:
closed (25 August 2022)

Message from the Guest Editors

Dear Colleague,

Understanding the effects of human activities on the land surface system and its connections with atmosphere and ocean is very important for environment management. Land surface modeling incorporates several recent scientific advances in the understanding and representation of land surface processes, expands model capabilities, and improves surface and atmospheric forcing datasets.

However, complex natural and human systems challenge land surface modeling due to the limitations of data and numerical models. The development of innovative methods and basic datasets to improve land surface modeling is urgent.

This Special Issue is aimed at collecting all research developments related to land surface modeling combining multidisciplinary approaches coming from the climate, hydrology, ecology, geomorphology, and geology in order to develop innovative methods and to provide a comprehensive update of the state of the art in this field.

Dr. Shuang Liu
Dr. Yujin Zeng

geosciences

IMPACT FACTOR 2.4

CITESCORE 5.3

an Open Access Journal by MDPI

Editor-in-Chief

Prof. Dr. Jesus Martinez-Frias
Instituto de Geociencias, IGEO (CSIC-UCM), C/ Del Doctor Severo Ochoa 7, Edificio Entrepabellones 7 y 8, 28040 Madrid, Spain

Message from the Editor-in-Chief

Understanding the Earth's origin and its bio-geological evolution, the multiple implications of the geosciences (as a coherentset of interconnected disciplines), and the sociocultural and ethical interdisciplinary approaches, will be crucial for a better understanding of Nature, and also for undertaking scientificallybased political decisions.

We are committed to drive *Geosciences* to a position in which it is recognized for its high-quality, cutting-edge research and scientific influence, and strongly encourage and invite your participation and manuscripts.

Author Benefits

Open Access: free for readers, with article processing charges (APC) paid by authors or their institutions.
High Visibility: indexed within Scopus, ESCI (Web of Science), GeoRef, Astrophysics Data System, and other databases.
Journal Rank: JCR - Q2 (*Geosciences, Multidisciplinary*) / CiteScore - Q1 (General Earth and Planetary Sciences)

Contact Us

Geosciences Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland

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

mdpi.com/journal/geosciences
geosciences@mdpi.com
𝕏@Geosciences_OA