

## Special Issue

# Analysis, Modeling, and Monitoring of Extreme Events from Space

### Message from the Guest Editors

This is a dedicated Special Issue on modelling, analysis and prediction of extreme events to better understand their behaviour with better knowledge on the theory and applications. Studies on all subjects that are related to extreme events are welcomed in this special issue:

Potential topics include, but are not limited to, the following:

- State-of-the-art on the use of remote sensing-based, model-based, and merged datasets for the study of extreme events
- new approaches for identification, prediction, and modelling of extreme events including their causality
- new concepts to better understand extreme events and their consequences
- theory of extreme events and their applications in the geosciences; use of state-of-the-art global climate model-based datasets related to extreme events
- impact of climate change on the characteristics of extreme events
- Mapping of the spatial distribution and temporal variation of soil moisture and climate factors
- Identifying and prioritizing mitigation solutions and other resilience options into a risk reduction strategy for action

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### Guest Editors

Dr. Amen Al-Yaari

Dr. Yaseen Al-Mulla

Dr. M. Tugrul Yilmaz

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### Deadline for manuscript submissions

closed (25 September 2020)



## Geosciences

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## About the Journal

### Message from the Editor-in-Chief

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

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### Editor-in-Chief

Prof. Dr. John C. Eichelberger

Alaska Center for Energy and Power, University of Alaska Fairbanks,  
Fairbanks, AK, USA

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