



Cascading Disaster Modelling and Prevention

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Message from the Guest Editors

Cascading disasters, which follow from an initial trigger to a range of disaster impacts, can contribute a significant part of the loss caused by any natural hazard event, and become as catastrophic as the 2011 Great East Japan Earthquake and Tsunami. The 2008 Wenchuan earthquake, in the Sichuan Province of China, provides another example. These kinds of cascading disasters spread disruptions in complex ways that make them difficult to comprehend and challenging to deal with.

The 2015 Sendai Framework for Disaster Risk Reduction highlighted the need to better research and manage cascading disasters. However, cascading disaster modeling and prevention research has typically been challenged by relying on complex mathematic models that exclude social factors and do not usually integrate qualitative and quantitative approaches. The role of social media has generally not been considered.

This Special Issue of the *IJERPH*, “Cascading Disaster Risk”, offers an opportunity to publish high-quality research into cascading disasters. We are particularly interested in research that has mathematically modeled, or otherwise predicted, aspects of cascading disasters.





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Message from the Editor-in-Chief

Addressing the environmental and public health challenges requires engagement and collaboration among clinicians and public health researchers. Discovery and advances in this research field play a critical role in providing a scientific basis for decision-making toward control and prevention of human diseases, especially the illnesses that are induced from environmental exposure to health hazards. *IJERPH* provides a forum for discussion of discoveries and knowledge in these multidisciplinary fields. Please consider publishing your research in this high quality, peer-reviewed, open access journal.

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