Special Issue

Advances in Hazard, Risk and Disaster Management

Message from the Guest Editor

Geohazards (geologic hazards) are a growing menace to public health. There are a wide variety of geological or hydrological processes that pose a critical threat to health facilities and other health-related critical infrastructure, as well as to human health and the property of citizens. Every year, severe natural events damage critical infrastructure and cause injuries and even deaths. Potentially hazardous geo-processes include volcanic eruptions, earthquakes, landslides, mudflows, sinkholes, snow avalanches, flooding, and tsunamis. While human activities can exacerbate geologic risks, there are new set of tools in the big data era that that can help to reduce the impact of geohazards. For example, there are machine learning tools, statistical approaches that capitalize on the ubiquity of health data sets, as well as advances in remote sensing, global position systems and GIS. These solutions also provide new opportunities for the analysis and management of geohazards, human health and disaster risks.

Guest Editor

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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. Scientific discoveries and advances in this research field play a critical role in providing a rational basis for informed 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 journal.

Editor-in-Chief

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