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Landslide Risk Assessment and Mitigation

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Deadline for manuscript submissions:
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Message from the Guest Editors

Landslides are climatically or seismically triggered processes that cause significant loss of life, damage to infrastructure, and economic losses in inhabited mountainous environments. Landslide risk is defined as a function of the hazard or probability of occurrence of landslides, the elements at risk, and their vulnerability. Two developments are currently making this equation explode. The intensification of climate actions, characterized by heavy rainfall events, storms, wildfires, and thawing of permafrost and glaciers, is amplifying the hazard component. At the same time, through increasing migration from rural to urban areas almost everywhere in the world, more and more people are putting themselves at risk, a development that is also reinforcing the hazard through intensified land use in urban areas. On the plus side is the fact that compared with other natural hazards, such as earthquakes or storms, landslides are usually spatially restricted processes, making it possible to manage and mitigate the risk through holistic urban planning, engineering solutions, and early warning.

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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.

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