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Water, Food and Energy Security in the Face of Human Disasters

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Message from the Guest Editors

Water, food and energy demands are continuously increasing in the face of the changing climate and a growing population. There is an urgent need for immediate action to address these challenges and establish self-reliant food production. Unprecedented interrelated challenges have threatened our ability to meet the fundamental demands of human beings, including access to freshwater, food and energy. The changing climate, global warming and the uncertainty of rainfall regimes, and hence freshwater unavailability coupled with land and water degradation, exert an immense pressure on the efforts towards sustainable economic growth. Understanding the link between climate and land cover change dynamics, on the one hand, and water, energy and food security on the other, is a critical area of research. The roles of observation, data mining and modeling in this regard are tremendous. New sensors, satellite data and geospatial analysis provide important information needed to monitor and map areas where data is scarce. This Special Issue (SI) calls for submissions of reviews and research papers.



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Special Issue



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Message from the Editor-in-Chief

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