



JRACR: Call for Papers Special Issue
“Cascading Geohazards in Mountain Terrains
and Spatial Disaster Reduction”



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Aims and Scope

In the last few decades, with the background of global climate change and the increasing intensity of human activities, geohazard disasters in mountainous terrains such as landslides, avalanches, and

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debris flow have become one of the main natural disasters that threaten human socio-economic development and the safety of people’s lives and properties. In particular, with the increased extreme weather events, the trend of geohazard disasters in hilly regions is becoming more and more severe. The advance of new information technology has injected new opportunities and vitality into geohazards' disaster prevention and mitigation. With the development of new advanced techniques and sensors, such as machine learning, computer performance, etc., these techniques can mine and extract potentially useful information from big data sets. The extracted info could provide powerful support for enhancing disaster research and identifying disaster risk standardization. In recent years, the evolutionary characteristics of geohazards disasters, disaster process, and risk management under the effect of global climate change have become hotspot topics in the disaster mitigation field. Based on the above context, the *Journal of Risk Analysis and Crisis Response* intends to publish a special issue on this timely topic - *Cascading Geohazards in Mountain Terrains and Spatial Disaster Reduction*, focusing on globalization and geohazards disasters, the formation mechanism of typical regional geological disasters, urban geological disasters, process simulation, disaster monitoring, early warning and new technologies of risk assessment, risk management, and resilience adaptation and other theories, methods, and technologies, to enlarge the research of mountainous science theories and approaches, and also provide policy references for disaster prevention and mitigation.

Researchers are invited to contribute to this special issue by submitting original papers. Topics of interest include, but are not limited to:

- Geological environmental changes and geohazards in mountainous terrains
- Exploring the mechanism of torrential rainfall/earthquake/human-induced geohazards
- Formation mechanism and risk assessment of urban geological disasters
- Simulating the process of geohazards disasters
- Monitoring and early warning of geological disasters based on the spatial information technology
- Disaster risk assessment approaches based on Spatial-temporal big data set
- Geohazards disaster risk and resilience

Important Dates

Submission Deadline: 30 August 2021

Submit your paper

All papers have to be submitted via the Editorial Manager online submission and peer review system. Instructions will be provided on screen and you will be stepwise guided through the process

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of uploading all the relevant article details and files associated with your submission. All manuscripts must be in the English language.

To access the online submission site for the journal, please visit <https://www.editorialmanager.com/jracr/default.aspx>. Note that if this is the first time that you submit to the Journal of Risk Analysis and Crisis Response, you need to register as a user of the system first.

NOTE : Before submitting your paper, please make sure to review the journal's [Author Guidelines](#) first.

Introduction of the guest editor(s)

Prof. Dr. Changdong Li

Li Changdong is a professor in the department of engineering geology and geotechnical engineering at China University of Geosciences (Wuhan), Vice Dean of Engineering Research Center of Rock-Soil Drilling & Excavation and Protection, Ministry of Education, China, Deputy Editor of Bulletin of Geological Science and Technology. His research interests involve the stability evaluation of slopes, evolution mechanism of landslides and control measures for geological hazards. He is in charge of three National Natural Science Foundation of China (NSFC) projects. He has taken part in over twenty industrial projects related to the evaluation and control of slopes in the fields of hydropower stations, resettlement and highway. He published over 40 academic papers indexed by SCI, and won the Second Prize of National Science and Technology Progress Award (R3) and the First Prize of Technology Invention Award of Hubei Province (R1).

Prof. Dr. Jie Dou

Dou Jie is a Professor at, China University of Geosciences, China. He obtained his Ph.D. from the University of Tokyo and extended his experience at the University of Tokyo, the Public Works Research Institute, Nagaoka University of Technology, and companies in Japan. He has selected a competitive applicant from the Japan Society for the Promotion of Science (JSPS). He has participated in research projects on earthquake/rainfall triggered geohazards, spatial analysis with artificial intelligence (AI), and risk mitigation. He has researched in various foreign countries/regions such as Japan, China, Italy, Taiwan, Algeria, Vietnam, and Brazil. He has authored/ co-authored over 60 peer-reviewed articles and 10 book chapters, including 9 Essential Science Indicators (ESI) and 2 hotspot papers, one paper selected for Top 100 Nature Scientific Reports paper. He has presented several Plenary/invited talks at international conferences on geohazards. He has been one of the Topic editors of the journal Remote Sensing and on the editorial

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boards of several other international journals, like Journal of Mountains Science. He has besides served as a reviewer for over 30 ISI-listed international journals. He has been a steering committee member for several commissions/working groups of international academic societies, such as the World Landslide Forum 5.

Prof. Dr. Qinghua Gong

Gong Qinghua, Ph.D, is a Researcher at Guangzhou Institute of geography, Guangdong Academy of Sciences, Director of Risk Analysis Committee of China Association for Disaster Prevention, a core member of Emergency Technology Research Center of Guangdong Geological Disaster. She is mainly engaged in the research on the formation mechanism and risk-early warning technology of mountain disasters. She has been paying close attention to the formation mechanism and early warning methods of rainfall induced landslides in South China. She has participated in the completion of 20 national and provincial (ministerial) scientific research projects, and has taken charge of 9 of them. She published more than 30 academic papers on both domestic and international journals, including 3 on SCI and 6 on EI. She has applied for 8 national invention patents and obtained 1 software copyright. She has won a Third Prize of Technology Invention Award of Guangdong Province.

Prof. Sabatino Cuomo

Sabatino Cuomo is Professor of Geotechnical Engineering at the University of Salerno, Italy. His research interests include Landslide Mechanisms, Solid-fluid transition, Landslide Dynamics, Regional slope stability, Slope erosion, Geosynthetics reinforcement, Laboratory testing of unsaturated soils, Constitutive Modelling. He has published more than 120 papers in international journals and conference proceedings. Prof. Sabatino Cuomo serves as Associate Editor-in-Chief of Geoenvironmental Disaster Journal, Springer, and member of the Editorial Board of Computers and Geotechnics, Canadian Geotechnical Journal, Soils and Foundations, Geotechnical Engineering, and Environmental Geotechnics. He is Coordinator of LARAM School (International School on “Landslide Risk Assessment and Mitigation) for PhD students, and Board Officer for the Italian Chapter of IGS (International Geosynthetics Society).

Prof. Dr. Xiekang Wang

Prof. Xiekang Wang is currently professor of State Key Laboratory of Hydraulics and Mountain River Engineering, Sichuan University, China. His main research interests include basic theoretical problems and engineering techniques of hydraulics and river dynamics, water-sediment disaster, flash flood disaster, etc. He has got three national scientific projects for Flash Flood disasters. He

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was one of academic and technology leaders in Sichuan Province, award winners of New Century Excellent Talents (NCET) of the Ministry of Education of China and Henry Fok Education Foundation for the tenth session of the college young teachers. He published more than 50 SCI papers and won the first prize and second prize of science and technology progress from the Ministry of Education of China in 2010 and 2013, and a special prize of science and technology progress award of Chinese National Committee on Large Dams in 2020 respectively.

Prof. Dr. Biswajeet Pradhan

Distinguished Professor Biswajeet Pradhan is an internationally established scientist in the field of Geospatial Information Systems (GIS), remote sensing and image processing, complex modelling/geo-computing, machine learning and soft-computing applications, natural hazards and environmental modelling and remote sensing of Earth observation. He is the Director of the Centre for Advanced Modelling and Geospatial Information Systems (CAMGIS) at the Faculty of Engineering and Information Technology at the University of Technology Sydney. He is also the distinguished professor at the University of Technology, Sydney. He is listed as the Worlds most Highly Cited researcher by Clarivate Analytics Report in five consecutive years – 2020, 2019, 2018, 2017 and 2016 as one of the worlds most influential mind. In 2020, he has been listed in two categories (Computer Science; Agricultural Science) in the World’s most Highly Cited researchers list. From 2018 to 2020, he has been awarded as World Class Professor by the Ministry of Research, Technology and Higher Education, Indonesia. He is a recipient of Alexander von Humboldt Research Fellowship from Germany. In 2011, he received his habilitation in “Remote Sensing” from Dresden University of Technology, Germany. Since February 2015, he is serving as “Ambassador Scientist” for Alexander Humboldt Foundation, Germany. Professor Pradhan has received 55 awards since 2006 in recognition of his excellence in teaching, service and research. Out of his more than 650 articles, more than 550 have been published in science citation index (SCI/SCIE) technical journals. His H-index is 83 (Scopus) with more than 22,300 citations. He has written eight books and thirteen book chapters. He is the Associate Editor and Editorial Member in more than 8 ISI journals. He is a member of many international professional bodies such as the Committee of Space Research (COSPAR), Senior Member of IEEE, United Nations Outer Space Research Programme (UNOOSA) and many more. He sits as a board member of many national programs in South-East Asia. He is a regular reviewer for many international bodies alike European Science Foundation, Dutch Research Council, Austrian Science Foundation, Research Council UK (RCUK), Swiss National Science Foundation, Belgian Remote Sensing Program and many more.