



## JRACR: Call for Papers Special Issue “Meteorological and Hydrological Disasters”



### Guest Editors:

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### Aims and Scope

Global warming as a result of the enhanced greenhouse effect from human activities has a direct influence on extreme hydrometeorological events, causing the increase in frequency and severity of meteorological and hydrological disasters. The most frequent occurrences of hydrometeorological disasters come in many forms and on many scales in time and space, which cause huge damages to the safety of life and property, the social and economic stability of communities. Furthermore, the climate change of recent decades is expected to continue in the future, which will enhance these hydrometeorological extreme events and disasters. The Special Issue ‘*Meteorological and Hydrological Disasters*’ aims at gathering the most significant contributions to theoretical development and scientific advancement relating to modelling, observing and projecting hydrometeorological extreme events and disasters, and risk assessment and management of these type of disasters.

### Main topics and quality control

The contributions to this Special Issue will encompass a broad spectrum of topics, including, but not limited to:

- Detecting extreme hydrometeorological events
- Underlying mechanisms causing hydrometeorological extremes
- Simulation and projection of hydrometeorological extremes
- Hydrological modelling and flood inundation modelling
- The impacts of meteorological and hydrological disasters (agriculture, urban, socioeconomy, etc)
- Assessment and management of risk for hydrometeorological disasters



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### Important Dates

<b>Submission of papers:</b>	<b>31 Jan. 2021</b>
Notification of review results:	<b>28 Feb. 2021</b>
Submission of revised papers:	<b>31 March 2021</b>
Notification of final review results:	<b>30 April 2021</b>

### 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 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 International Journal of Computational Intelligence Systems, 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)

**Dr. Chao Gao**, a professor of geography at Ningbo University. He is a member of Ningbo Outstanding Academic Leaders in 2020, a member of the Youth Work Committee of the Chinese Geography Society, member of the Water Resources Professional Committee of the China Natural Resources Society, and member of the China Society for Risk Analysis and Management. He presided over 3 projects of the National Natural Science Foundation, 2 provincial and ministerial projects, and the backbone of the second-level research groups of 2 national key basic research development plans (973). Dr.Gao has published more than 50 articles in *Earth System Science Data*, *Hydrological Sciences Journal*, *Stochastic Environmental Research & Risk Assessment*. As the person in charge, he won the first prize of the 2015 Henan Water Conservancy Science and Technology Progress Award. Prof Gao Mainly engaged in the impact of climate change on hydrology and water resources, climate disaster risk assessment, management and adaptation research.

**Dr. Jie Yin** is a professor of the School of Geographic Sciences, East China Normal University. He received his PH.D in physical geography from East China Normal University in 2011. He worked at the Department of Civil and Environmental Engineering, Princeton University as a visiting post-doctor during 2014-2016. In 2016, he joined East China Normal University with the support of the “Zijiang scholar program”. His research interests focus on the flood modelling and risk analysis. He



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has contributed to the development of raster-based high-resolution flood inundation models. In recent years, Dr. Yin has published more than 50 papers in peer-reviewed journals, including Nature Sustainability, Earth's Future, Water Resources Research, Journal of Hydrology and Climatic Change. He was honored with the Excellent Doctoral Dissertation in Shanghai, the Youth Science Award of ECNU and the Youth Science and Technology Award of the Geographical Society of China.