



Integration of Advanced Soft Computing Techniques in Hydrological Predictions

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Message from the Guest Editor

Dear Colleagues,

Extreme weather events, occurring more frequently in recent years possibly due to climate change, result in enormous economic and human losses globally every year. It is important to have the capability to predict accurately both the occurrence time and magnitude of peak flow in advance of an impending extreme weather event. The integration of soft computing techniques in hydrological predictions is a growing field of endeavor in water resources engineering and management. It can be employed to optimally calibrate data-driven hydrological models so as to enhance the forecasting accuracy. This special edition of the *Atmosphere* journal is tailored to fill the existing gap by including papers on the advancement in the contemporary use of soft computing techniques in hydrological modelling. The information and analyses are intended to contribute to the development and implementation of effective hydrological prediction and thus appropriate precautionary measures.





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Message from the Editor-in-Chief

Continued developments in instrumentation and modeling have driven atmospheric science to become increasingly more complex with a deeper understanding of concepts, mechanisms, and interactions. This is the field that innovation built and it has led to a better appreciation for the complexity with atmosphere. Human life is intertwined in this complexity as we strive to better understand our atmosphere. Climate change is constantly stretching the limits of our thinking and forcing new ideas and concepts to be played out. Welcome to the Anthropocene!

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