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Ice and Snow Properties and Their Applications

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Message from the Guest Editors

We are delighted to announce the launch of a Special Issue entitled “Ice and Snow Properties and Their Applications”. The study of ice and snow is of paramount significance, not only for earth sciences but also for advancements in engineering and social sciences. Our global climate is undergoing profound changes, including delayed ice formation, thinner ice covers, shifting ice margins, higher ice temperatures, and changing precipitation patterns. Understanding the ice and snow properties becomes imperative for addressing challenges and harnessing opportunities in diverse fields.

This Special Issue aims to comprehensively explore the properties of ice and snow, encompassing their physical, thermal, mechanical, optical, and electrical attributes. Furthermore, it seeks to demonstrate the engineering applications based on in-depth modeling of the physical and mechanical properties of ice and snow. Contributions to theoretical studies, practical applications, remote sensing, investigations, experiments, and numerical modeling related to ice and snow in cold regions are particularly encouraged.



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Special Issue



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Message from the Editor-in-Chief

In the context of global changes, the sustainable management of water cycles, going from global and regional water cycles to urban, industrial and agricultural water cycles, plays a very important role on the water resources and on their relationships with food, energy, biodiversity, ecosystem functioning and human health. *Water* invites authors to provide innovative original full articles, critical reviews and timely short communications and to propose special issues devoted to new technological and scientific domains and to interdisciplinary approaches of the water cycles. We ensure a critical review process and a quick turnaround between submission and final decision.

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