

Special Issue

Advances in River Ice Research

Message from the Guest Editor

River ice is an essential element in hydraulic and hydrological engineering in cold regions. River ice evolution involves thermal and mechanical processes not covered in traditional river hydraulics. Additionally, river ice could have essential effects on channel morphology. This phenomenon has become more important in the Arctic and other regions with permafrost due to the influence of climate change. Over the last 50 years, river ice research has matured with significant recent advances. This Special Issue will include all aspects of river ice hydraulics and hydrology, the impacts of river ice on the environment and ecology, and the effect of climate change on ice processes. Advances in laboratory, field, analytical methods, and case studies will be considered.

Guest Editor

Prof. Dr. Hung Tao Shen

Department of Civil and Environmental Engineering, Clarkson University, Potsdam, NY 13699-5710, USA

Deadline for manuscript submissions

31 July 2026



Glacies

an Open Access Journal
by MDPI



mdpi.com/si/211520

Glacies
Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
glacies@mdpi.com

[mdpi.com/journal/
glacies](https://mdpi.com/journal/glacies)





Glacies

an Open Access Journal
by MDPI



[mdpi.com/journal/
glacies](https://mdpi.com/journal/glacies)



About the Journal

Message from the Editor-in-Chief

Editor-in-Chief

Prof. Dr. Steven R. Fassnacht

Watershed Science Program in the Department of Ecosystem Science
and Sustainability, Cooperative Institute for Research in the
Atmosphere, Colorado State University, 1231 Libby Coy Way, Fort
Collins, CO 80523-1476, USA

Author Benefits

Open Access:

free for readers, with article processing charges (APC) paid
by authors or their institutions.

Rapid Publication:

first decisions in 19 days; acceptance to publication in 8
days (median values for MDPI journals in the second half of
2025).

Recognition of Reviewers:

APC discount vouchers, optional signed peer review, and
reviewer names published annually in the journal.