Instructions to authors

Detailed instructions to authors are available online here: cambridge.org/core/journals/journal-of-glaciology/information

The *Journal of Glaciology* publishes three types of paper:

- Articles concerning new findings and theories, or new instruments and methods, in glaciology; or review articles that offer an up-to-date, coherent account of a glaciological subject that is developming rapidly or has been neglected
- Letters identical in form and general content to Articles, but of reduced length, and carrying substantially reduced processing charges
- Communications short pieces without abstracts that could be, e.g., comments on published articles/letters, book reviews, or short correspondence on topics of interest to the community

Papers submitted should be:

- of high scientific quality
- complete and clear
- substantially different from previously published work.

Length

Papers should be concise. Lines and pages should be numbered. Letters are limited to five *Journal* pages and Correspondences to two (one *Journal* page = about 1000 words).

Original submission

Submit your paper via the *Journal of Glaciology* online submission system at https://mc.manuscriptcentral.com/jog

Review process

Your paper will be peer reviewed by at least two reviewers. The Scientific Editor will discuss any alterations required to the paper. The Associate Chief Editor will inform you if and when your paper is accepted for publication. Papers written in poor English, not appropriate for the journal, or of inferior quality will be rejected without review.

You will be sent a proof of your text and illustrations to check and correct in advance of online publication.

Final submission

The final accepted version of the paper should be in electronic format.

- Acceptable formats are
 - Text (including tables and figure captions) Word, rtf or LaTeX (the IGS class file should be used; downloadable from the website). Please also supply a final PDF
 - Figures ideally in tif or eps format (or otherwise in the format in which they were created)
- Responsibility for the accuracy of all data (including references) rests with the authors

Supplementary material

The *Journal of Glaciology* accepts and makes available online appropriate supplementary material. It should be clearly named and labelled and provided in standard file formats.

General points

- Title should be concise
- Abstract should be less than 200 words

- Papers should be divided into numbered sections with short section headings
- Use SI units
- Use internationally recognized systems of abbreviation
- Illustrations should
 - be one or two column widths: up to 85 mm or up to 178 mm
 - not be in boxes
 - use strong black lines (avoid tinting if possible)
 - use SI units in labels
 - use Optima, Arial or a similar sans serif font in labels
- TeX authors: please provide a pdf of the whole paper (text, tables, figures and captions) as well as the individual LaTeX and graphics files
- Equations should
 - be set in MathType or advanced equation editor
 - NOT be embedded as graphics in the text
- Tables should
 - be numbered in Arabic
 - be referred to in text (as Table 1 etc.)
 - NOT be submitted as illustrations
- All citations in text should include the author name(s) and the year of publication (e.g. Smith, 2010; Smith and Jones, 2012; Smith and others, 2014) and must have an entry in the reference list
- Reference lists should
 - be concise
 - be complete and accurate, including doi numbers
 - be provided in precise Journal format, including punctuation and emphasis (see past papers for style)
 - be arranged in alphabetical order by first author's
 - include works accepted but not published as 'in press'
 - not include personal communications, unpublished data or manuscripts in preparation or submitted for publication (these should be included in the text)

Open Access and page charges

As a gold open access journal, the *Journal of Glaciology* is published without restriction and receives no subscription revenue. The costs of publication are instead covered by an article publishing charge (APC) levied upon the corresponding author, or their funding body or institution.

The APC for non-IGS members is £1,360 for a regular article (of 6 published pages or more), £680 for a letter (of 5 published pages or fewer) and £310 for a communication (of 2 published pages or fewer). IGS members receive a 10% discount on these charges.

Figures quoted here are correct for 2023.

Upon acceptance for publication the corresponding author will be contacted by Rightslink on behalf of Cambridge University Press, who will administer the collection of the article publishing charge. At that stage the corresponding author can pay by credit card or arrange for an invoice to be issued to his/her funding body or institution. Selected authors may be granted an APC waiver by the IGS. In such cases, a waiver code shall be provided, which should be issued to Rightslink upon receipt of the payment.

Journal of GLACIOLOGY

CONTENTS Vol 69 No 274 2023

217–236 Ice-rich slurries can account for the remarkably low friction of ice skates
James H. Lever and Austin P. Lines

237–250 Glacier mass change on the Kamchatka Peninsula, Russia, from 2000 to 2016 Shungo Fukumoto, Shin Sugiyama, Shuntaro Hata, Jun Saito, Takayuki Shiraiwa and Humio Mitsudera

251–265 Maritime glacier retreat and terminus area change in Kenai Fjords National Park, Alaska, between 1984 and 2021 Taryn Black and Deborah Kurtz

266–280 Influence of glacier inventories on ice thickness estimates and future glacier change projections in the Tian Shan range, Central Asia Fei Li, Fabien Maussion, Guangjian Wu, Wenfeng Chen, Zhengliang Yu, Yaojun Li and Guohua Liu

281–300 A hierarchical network densification approach for reconstruction of historical ice velocity fields in East Antarctica
Tiantian Feng, Yanjun Li, Kangle Wang,
Gang Qiao, Yuan Cheng, Xiaohan Yuan, Shulei Luo and Rongxing Li

301–310 Which glaciers are the largest in the world?

Ann Windnagel, Regine Hock, Fabien Maussion, Frank Paul, Philipp Rastner, Bruce Raup and Michael Zemp

311–323 Sensitivity of isochrones to surface mass balance and dynamics

Alexios Theofilopoulos and Andreas Born

324–332 Inferring forms of glacier slip laws from estimates of ice-bed separation during glacier slip Jacob B. Woodard, Lucas K. Zoet, Neal R. Iverson and Christian Helanow

333–341 Light absorption and albedo reduction by pigmented microalgae on snow and ice Lou-Anne Chevrollier, Joseph M. Cook, Laura Halbach, Hans Jakobsen, Liane G. Benning, Alexandre M. Anesio and Martyn Tranter

342–352 Modelling the influence of marine ice on the dynamics of an idealised ice shelf Lisa Craw, Felicity S. McCormack, Sue Cook, Jason Roberts and Adam Treverrow

353–369 Using ground-based thermal imagery to estimate debris thickness over glacial ice: fieldwork considerations to improve the effectiveness

Caroline Aubry-Wake, Pierrick Lamontagne-Hallé, Michel Baraër, Jeffrey M. McKenzie and John W. Pomeroy

370–380 Glacial hydraulic tremor on Rhonegletscher, Switzerland Elisabeth Clyne, Richard B. Alley, Margot Vore, Dominik Gräff, Sridhar Anandakrishnan, Fabian Walter and Amandine Sergeant

381–396 Inferring time-dependent calving dynamics at Helheim Glacier
Jacob Downs, Douglas Brinkerhoff and Mathieu Morlighem

397–409 Effects of basal topography and ice-sheet surface slope in a subglacial glaciofluvial deposition model

David Stevens, Jeremy C. Ely, Stephen J. Livingstone, Chris D. Clark, Frances E. G. Butcher and Ian Hewitt

410–424 Variability in the vertical temperature profile within crevasses at an alpine glacier Heather Purdie, Peyman Zawar-Reza, Marwan Katurji, Benjamin Schumacher, Tim Kerr and Paul Bealing

Letter

425–432 Up-glacier propagation of surface lowering of Yala Glacier, Langtang Valley, Nepal Himalaya

Sojiro Sunako, Koji Fujita, Takeki Izumi, Satoru Yamaguchi, Akiko Sakai and Rijan Bhakta Kayastha

Published for the International Glaciological Society, Cambridge, UK

Cambridge Core For further information about this journal please go to the journal website at: cambridge.org/jog





Front cover
On belay for making adjustments to the in-crevasse temperature and wind sampler on the Tasman Glacier, New Zealand, in February 2020. Photo by Heather Purdie doi: 10.1017/jog.2022.73