

Instructions to authors

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

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

- articles on new glaciological findings and theories, or new instruments and methods, or up-to-date, coherent articles reviewing a glaciological subject
- letters of a topical nature, or comments on papers previously published in the Journal

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. Papers more than 12 *Journal* pages in length should be cleared with the Chief Editor before submission (one *Journal* page = about 1000 words). Letters are limited to five *Journal* pages.

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 will be rejected without review.

You will be sent a proof of your text and illustrations to check and correct (you will have to pay for any substantial alterations made at this stage).

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 surname
 - 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 his/her funding body or institution.

The APC for non-IGS members is £1,200 for a regular article and £600 for a letter.

The APC for IGS members is £1,080 for a regular article and £540 for a letter. The APCs quoted here are correct for 2016.

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 62 No 235 2016

805–815 Sliding velocity fluctuations and subglacial hydrology over the last two decades on Argentière glacier, Mont Blanc area
Christian Vincent, Luc Moreau

816–824 Tidal bending and strand cracks at the Kamb Ice Stream grounding line, West Antarctica
Christina L. Hulbe, Marin Klinger, Megan Masterson, Ginny Catania, Kenneth Cruikshank, Andrea Bugni

825–834 Modeling the thickness of perennial ice covers on stratified lakes of the Taylor Valley, Antarctica
M. K. Obryk, P. T. Doran, J. A. Hicks, C. P. McKay, J. C. Priscu

835–846 Calving of Fuerza Aérea Glacier (Greenwich Island, Antarctica) observed with terrestrial laser scanning and continuous video monitoring
Michał Pętlicki, Christophe Kinnard

847–860 Surface velocity fluctuations for Glaciar Universidad, central Chile, between 1967 and 2015
Ryan Wilson, Sebastian H. Mernild, Jeppe K. Malmros, Claudio Bravo, Daniela Carrión

861–887 Greenland surface mass-balance observations from the ice-sheet ablation area and local glaciers
Horst Machguth, Henrik H. Thomsen, Anker Weidick, Andreas P. Ahlström, Jakob Abermann, Morten L. Andersen, Signe B. Andersen, Anders A. Bjørk, Jason E. Box, Roger J. Braithwaite, Carl E. Bøggild, Michele Citterio, Poul Clement, William Colgan, Robert S. Fausto, Karin Gleie, Stefanie Gubler, Bent Hasholt, Bernhard Hynek, Niels T. Knudsen, Signe H. Larsen, Sebastian H. Mernild, Johannes Oerlemans, Hans Oerter, Ole B. Olesen, C. J. P. Paul Smeets, Konrad Steffen, Manfred Stober, Shin Sugiyama, Dirk van As, Michiel R. van den Broeke, Roderik S. W. van de Wal

888–904 A comparative study of changes in the Lambert Glacier/Amery Ice Shelf system, East Antarctica, during 2004–2008 using gravity and surface elevation observations
Huan Xie, Rongxing Li, Xiaohua Tong, Xiaolei Ju, Jun Liu, Yunzhong Shen, Lei Chen, Shijie Liu, Bo Sun, Xiangbin Cui, Yixiang Tian, Wenkai Ye

905–911 Changes in ice-shelf buttressing following the collapse of Larsen A Ice Shelf, Antarctica, and the resulting impact on tributaries
Sam Royston, G. Hilmar Gudmundsson

912–927 Monitoring of seasonal glacier mass balance over the European Alps using low-resolution optical satellite images
Vanessa Drolon, Philippe Maisongrande, Etienne Berthier, Else Swinnen, Matthias Huss

928–932 Volume/area scaling of glaciers and ice caps and their longitudinal profiles
Valerio Faraoni

933–943 Impact of supraglacial deposits of tephra from Grímsvötn volcano, Iceland, on glacier ablation
Rebecca Möller, Marco Möller, Peter A. Kukla, Christoph Schneider

944–953 Characterizing the May 2015 Karayaylak Glacier surge in the eastern Pamir Plateau using remote sensing
Shangguan Donghui, Liu Shiyin, Ding Yongjian, Guo Wanqin, Xu Baiqing, Xu Junli, Jiang Zongli

954–962 The effects of Ca⁺⁺ on the strength of polycrystalline ice
Kevin Hammonds, Ian Baker

963–975 Glacier surface temperatures in the Canadian High Arctic, 2000–15
Colleen A. Mortimer, Martin Sharp, Bert Wouters

976–989 Glaciers in equilibrium, McMurdo Dry Valleys, Antarctica
Andrew G. Fountain, Hassan J. Basagic IV, Spencer Niebuhr

Letters

990–992 Response to Comment by T. Scambos and C. Shuman (2016) on ‘Mass gains of the Antarctic ice sheet exceed losses’ by H. J. Zwally and others (2015)
H. Jay Zwally, Jun Li, John W. Robbins, Jack L. Saba, Donghui Yi, Anita C. Brenner

993–995 Response to Comment by A. Richter, M. Horwath, R. Dietrich (2016) on ‘Mass gains of the Antarctic ice sheet exceed losses’ by H. J. Zwally and others (2015)
H. Jay Zwally, Jun Li, John W. Robbins, Jack L. Saba, Donghui Yi, Anita C. Brenner

Published for the International Glaciological Society, Cambridge, UK

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



MIX
Paper from
responsible sources
FSC® C007785



CAMBRIDGE
UNIVERSITY PRESS

Front cover
Cover image by Colleen Mortimer
Changes in the summer surface temperature of Canada’s Arctic Ice Caps, 2000–15 suggest lengthening and/or intensification of the melt season