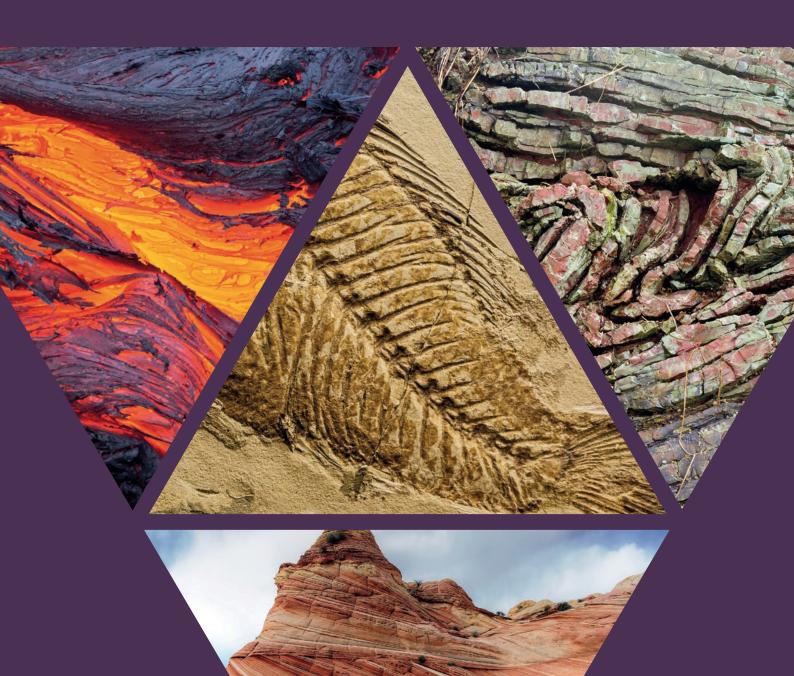
## GEOLOGICAL MAGAZINE Volume 158 Issue 9

September 2021

CAMBRIDGE

ISSN: 0016-7568



https://doi.org/10.1017/S0016756821000820 Published online by Cambridge University Pre

## **GEOLOGICAL MAGAZINE**

EDITOR-IN-CHIEF

**Professor Peter Clift** Department of Geology and Geophysics, Louisiana State University, Baton Rouge, LA 70803, USA pclift@lsu.edu

EXECUTIVE EDITORS

**Dr Stephen M. Hubbard** University of Calgary, Department of Geosciences, Calgary, Alberta, Canada shubbard@ucalgary.ca

**Dr Tim Johnson** *Curtin University, Kent St, Bentley WA 6102, Australia tim.johnson@curtin.edu.au* 

**Professor Olivier Lacombe** University Pierre et Marie Curie, 4 Place Jussieu, 75005 Paris, France olivier.lacombe@upmc.fr

**Dr Bas van de Schootbrugge** Department of Earth Sciences, Utrecht University, Princetonlaan 8A, 3584 CB Utrecht, The Netherlands

B. van der Schoot brugge@uu.nl

**Dr Sarah Sherlock** *Open University, Walton Hall, Kents Hill, Milton Keynes MK7 6AA, UK sarah.sherlock@open.ac.uk* 

BOOK REVIEW EDITOR

Please contact the Editorial Office at geolmag@cambridge.org

## ASSOCIATE EDITORS

Dr Antonio Álvarez-Valero University of Salamanca, Spain Professor Anne Bernhardt Free University of Berlin, Germany Professor Maria de Fatima Bitencourt Federal University of Rio Grande do Sul, Brazil

Dr Stephen Brusatte University of Edinburgh, UK Dr Susanne Buiter University of Oslo, Norway Professor Alan Collins University of Adelaide, Australia Dr Irene Cornacchia Istituto di Geoscienze e Georisorse

IGG-CNR, Pisa, Italy

Professor Yildirim Dilek Miami University, USA
Dr Kathryn Fitzsimmons Max Planck Institute for Chemistry,
Germany

Dr Kathryn Goodenough British Geological Survey, UK Dr Jacqueline Halpin University of Tasmania, Australia

Dr Lily Jackson University of Texas, USA

**Professor Eleanor Jennings** *Birkbeck, University of London, UK* **Dr Soren Jensen** *Universidad de Extramadura, Spain* 

**Professor Johan Le Goff** Katholieke Universiteit Leuven, Belgium **Professor Xian-Hua Li** Institute of Geology and Geophysics CAS, China

Dr Guido Meinhold Keele University, UK

Dr Sarbani Patranabis-Deb Indian Statistical Institute (ISI), Kolkata. India

**Professor Dejan Prelevic** Johannes Gutenburg University of Mainz, Germany

Dr Dilip Saha Indian Statistical Institute, India

**Professor Renata Schmitt** Universidade Federal do Rio de Janeiro, Brazil

Dr Lara Sciscio JURASSICA Museum, Switzerland

Professor Paul Spry Iowa State University, USA

**Dr Holly Stein** Colorado State University, USA; CEED, University of Oslo, Norway

**Dr Hans-Dieter Sues** Smithsonian National Museum of Natural History, USA

**Dr Shiming Wan** Institute of Oceanology, Chinese Academy of Sciences, China

Professor Yongdong Wang Nanjing Institute of Geology and Palaeontology, Chinese Academy of Sciences, China Professor Chun-Jing Wei Peking University, China

The Geological Magazine was originally established in 1864 and has been published continuously ever since. It covers the whole field of earth sciences, has a worldwide readership and has a particular strength in providing a niche for interdisciplinary papers and papers that would be of interest to geologists from many different specialities. Papers of any length are considered, provided that the length is justifiable.

The *Magazine* publishes both original and review articles, rapid communications, discussions of papers which have already appeared in the *Magazine*, book reviews and a list of new publications.

There are no page charges for papers published in the *Magazine*. © Cambridge University Press 2021

## **Internet Access**

This journal can be found online at https://www.cambridge.org/geo. *Geological Magazine* (ISSN 0016-7568). Twelve parts form a volume in 2021.

The subscription price (excluding VAT) of volume 158, 2021, which includes print and electronic access, is £1095 (US \$1863 in USA, Canada and Mexico). The electronic-only price available to institutional subscribers is £852 (US \$1551 in USA, Canada and Mexico). Single parts are £103 net (US \$174 in USA, Canada and Mexico) plus postage. Prices include delivery by air where appropriate. Orders, which must be accompanied by payment, should be sent to any bookseller or subscription agent, or direct to the publisher: Cambridge University Press, The University Printing House, Shaftesbury Road, Cambridge CB2 8BS. Subscriptions in the USA, Canada and Mexico should be sent to Cambridge University Press, Journals Fulfillment Department, One Liberty Plaza, New York, NY 10006. EU subscribers

(outside the UK) who are not registered for VAT should add VAT at their country's rate. VAT registered subscribers should provide their VAT registration number. Japanese prices for institutions are available from Kinokuniya Company Ltd, P.O. Box 55, Chitose, Tokyo 156, Japan. Periodicals postage paid at New York, NY, and at additional mailing offices. POSTMASTER: send address changes in USA, Canada and Mexico to Geological Magazine, Cambridge University Press, One Liberty Plaza, New York, NY 10006, USA.

Copying: This journal is registered with the Copyright Clearance Center, 222 Rosewood Drive, Danvers, Mass. 01923, USA. Organizations in the USA who are also registered with C.C.C. may therefore copy material (beyond the limits permitted by sections 107 and 108 of US copyright law) subject to payment to C.C.C. This consent does not extend to multiple copying for promotional or commercial purposes.

Organizations authorized by the Copyright Licensing Agency may also copy material subject to the usual conditions.

**For all other use**, permission should be sought from Cambridge or the American Branch of Cambridge University Press.

**Claims** for missing issues can only be considered if made immediately after receipt of the subsequent issue.

**Advertising :** Details of advertising in Geological Magazine may be obtained from the publisher.

This journal issue has been printed on FSC-certified paper and cover board. FSC is an independent, non-governmental, not-for-profit organization established to promote the responsible management of the world's forests. Please see www.fsc.org for information.