

Carbon Cycle and Ecosystem Response to the Jenkyns Event in the Early Toarcian (Jurassic)

The Geological Society of London Books Editorial Committee

Chief Editor

Rick Law (USA)

Society Books Editors

Jim Griffiths (UK)
Dan Le Heron (Austria)
Mads Huuse (UK)
Rob Knipe (UK)
Phil Leat (UK)
Teresa Sabato Ceraldi (UK)
Lauren Simkins (US)
Randell Stephenson (UK)
Gabor Tari (Austria)
Mark Whiteman (UK)

Society Books Advisors

Kathakali Bhattacharyya (India)
Anne-Christine Da Silva (Belgium)
Xiumian Hu (China)
Spencer Lucas (USA)
Dolores Pereira (Spain)
Virginia Toy (Germany)
Georg Zellmer (New Zealand)

IUGS/GSL publishing agreement

This volume is published under an agreement between the International Union of Geological Sciences and the Geological Society of London and arise from project IGCP 655.

GSL is the publisher of choice for books related to IUGS activities, and the IUGS receives a fee for all books published under this agreement.

Books published under this agreement are subject to the Society's standard rigorous proposal and manuscript review procedures.

Submitting a book proposal

More information about submitting a proposal and producing a book for the Society can be found at <https://www.geolsoc.org.uk/proposals>.

It is recommended that reference to all or part of this book should be made in one of the following ways:

Reolid, M., Duarte, L. V., Mattioli, E. and Ruebsam, W. (eds) 2021. *Carbon Cycle and Ecosystem Response to the Jenkyns Event in the Early Toarcian (Jurassic)*. Geological Society, London, Special Publications, **514**, <https://doi.org/10.1144/SP514>

Fraguas A., Gómez, J. J., Goy, A. and Comas-Rengifo, M. J. 2021. The response of calcareous nannoplankton to the latest Pliensbachian–early Toarcian environmental changes in the Camino Section (Basque Cantabrian Basin, northern Spain). *Geological Society, London, Special Publications*, **514**, 31–58, <https://doi.org/10.1144/SP514-2020-256>

Geological Society Special Publication No. 514

Carbon Cycle and Ecosystem Response to the Jenkyns Event in the Early Toarcian (Jurassic)

Edited by

M. Reolid

University of Jaén, Spain

L. V. Duarte

University of Coimbra, Portugal

E. Mattioli

University of Lyon, France

and

W. Ruebsam

University of Kiel, Germany

2021

Published by
The Geological Society
London

The Geological Society of London

The Geological Society of London is a not-for-profit organization, and a registered charity (no. 210161). Our aims are to improve knowledge and understanding of the Earth, to promote Earth science education and awareness, and to promote professional excellence and ethical standards in the work of Earth scientists, for the public good. Founded in 1807, we are the oldest geological society in the world. Today, we are a world-leading communicator of Earth science – through scholarly publishing, library and information services, cutting-edge scientific conferences, education activities and outreach to the general public. We also provide impartial scientific information and evidence to support policy-making and public debate about the challenges facing humanity. For more about the Society, please go to <https://www.geolsoc.org.uk/>

The Geological Society Publishing House (Bath, UK) produces the Society's international journals and books, and acts as European distributor for selected publications of the American Association of Petroleum Geologists (AAPG), the Geological Society of America (GSA), the Society for Sedimentary Geology (SEPM) and the Geologists' Association (GA). GSL Fellows may purchase these societies' publications at a discount. The Society's online bookshop is at <https://www.geolsoc.org.uk/bookshop>

To find out about joining the Society and benefiting from substantial discounts on publications of GSL and other Societies go to <https://www.geolsoc.org.uk/membership> or contact the Fellowship Department at: The Geological Society, Burlington House, Piccadilly, London W1J 0BG; Tel. +44 (0)20 7434 9944; Fax +44 (0)20 7439 8975; E-mail: enquiries@geolsoc.org.uk

For information about the Society's meetings, go to <https://www.geolsoc.org.uk/events>. To find out more about the Society's Corporate Patrons Scheme visit <https://www.geolsoc.org.uk/patrons>

Proposing a book

If you are interested in proposing a book then please visit: <https://www.geolsoc.org.uk/proposals>

Published by The Geological Society from:

The Geological Society Publishing House, Unit 7, Brassmill Enterprise Centre, Brassmill Lane, Bath BA1 3JN, UK

The Lyell Collection: www.lyellcollection.org

Online bookshop: www.geolsoc.org.uk/bookshop

Orders: Tel. +44 (0)1225 445046, Fax +44 (0)1225 442836

The publishers make no representation, express or implied, with regard to the accuracy of the information contained in this book and cannot accept any legal responsibility for any errors or omissions that may be made.

© The Geological Society, 2021. Except as otherwise permitted under the Copyright, Designs and Patents Act, 1988, this publication may only be reproduced, stored or transmitted, in any form or by any other means, with the prior permission in writing of the publisher, or in the case of reprographic reproduction, in accordance with the terms of a licence issued by the Copyright Licensing Agency in the UK, or the Copyright Clearance Center in the USA. In particular, the Society permits the making of a single photocopy of an article from this issue (under Sections 29 and 38 of this Act) for an individual for the purposes of research or private study. Open access articles, which are published under a CC-BY licence, may be re-used without permission, but subject to acknowledgement.

Full information on the Society's permissions policy can be found at <https://www.geolsoc.org.uk/permissions>

British Library Cataloguing in Publication Data

A catalogue record for this book is available from the British Library.

ISBN 978-1-78620-546-9

ISSN 0305-8719

Distributors

For details of international agents and distributors see:

<https://www.geolsoc.org.uk/agentsdistributors>

Typeset by Nova Techset Private Limited, Bengaluru & Chennai, India

Printed and bound by CPI Group (UK) Ltd, Croydon CR0 4YY, UK