

Special Issue: Phylogenetic Paleoecology

Guest Editors: James C. Lamsdell and Curtis R. Congreve

Articles

- Phylogenetic paleoecology: macroecology within an evolutionary framework
James C. Lamsdell and Curtis R. Congreve 171
- The geography of phylogenetic paleoecology: integrating data and methods to better understand biotic response to climate change
A. Michelle Lawing 178
- Estimating dispersal and evolutionary dynamics in diploporan blastozoans (Echinodermata) across the great Ordovician biodiversification event
Adriane R. Lam, Sarah L. Sheffield, and Nicholas J. Matzke 198
- Paleobiogeography, paleoecology, diversity, and speciation patterns in the Eublastoidea (Blastozoa: Echinodermata)
Jennifer E. Bauer 221
- Geographic contingency, not species sorting, dominates macroevolutionary dynamics in an extinct clade of neogastropods (*Volutospina*; Volutidae)
Dana S. Friend, Brendan M. Anderson, and Warren D. Allmon 236
- Hierarchical controls on extinction selectivity across the diplobathrid crinoid phylogeny
Selina R. Cole 251
- Discerning the diets of sweep-feeding eurypterids: assessing the importance of prey size to survivorship across the Late Devonian mass extinction in a phylogenetic context
Emily S. Hughes and James C. Lamsdell 271
- Does evolutionary relatedness predict ecological similarity?
Judith A. Sclafani, Curtis R. Congreve, and Mark E. Patzkowsky 284
- Relatedness and the composition of communities over time: Evaluating phylogenetic community structure in the late Cenozoic record of bivalves
Lucy M. Chang and Phillip L. Skipwith 301
- Principal component analysis of avian hind limb and foot morphometrics and the relationship between ecology and phylogeny
Amanda R. Falk, James C. Lamsdell, and Enpu Gong 314
- Convergence, parallelism, and function of extreme parietal callus in diverse groups of Cenozoic Gastropoda
Carlie Pietsch, Brendan M. Anderson, Lauren M. Maistros, Ethan C. Padalino, and Warren D. Allmon 337
- A new method for quantifying heterochrony in evolutionary lineages
James C. Lamsdell 363

PALEOBIOLOGY

EDITORS

Mark Patzkowsky, Editor-in-Chief, *Pennsylvania State University, USA*
Kevin Boyce, *Stanford University, USA*
James Crampton, *GNS Science, New Zealand*
Nadia Fröbisch, *Museum für Naturkunde Berlin, Germany*
Wolfgang Kiessling, *Friedrich-Alexander University of Erlangen-Nürnberg, Germany*

ASSOCIATE EDITORS

Nicolás Campione, *University of New England, Australia*
Laurel Collins, *Florida International University, USA*
Matt Friedman, *University of Michigan, USA*
Anjali Goswami, *University College London, UK*
Melanie Hopkins, *American Museum of Natural History, USA*
John Huntley, *University of Missouri, USA*
Lee Hsiang Liow, *University of Oslo, Norway*
Cynthia Looy, *University of California Berkeley, USA*
Erin Saupe, *University of Oxford, UK*
Caroline Strömberg, *University of Washington, USA*
Adam Tomasovych, *Slovak Academy of Sciences, Slovak Republic*

MANAGING EDITOR:

Jessica Kastigar, *Cincinnati, Ohio, USA, paleobiology@cambridge.org*

FOUNDING EDITORS:

Thomas J. M. Schopf and Ralph G. Johnson



MEMBERSHIP INFORMATION

Members of the Paleontological Society automatically receive electronic subscriptions to *Paleobiology* and the *Journal of Paleontology* as a benefit of membership. To apply for individual membership, please go to the Paleontological Society's homepage at <http://paleosoc.org/>, where links to an electronic application, a printable paper application form, and a complete list of membership benefits are provided under the Membership heading.

The Patrons Fund was established to broaden the basis of financial support for Paleobiology and thus to encourage paleontological publication.

The Paleontological Society gratefully acknowledges the following Patrons of *Paleobiology*:

PALEOBIOLOGY PATRONS

RICHARD ALVORD
RICHARD BAMBACH
PAOLO CUSTODI
WILLIAM DIMICHELE
DOUGLAS ERWIN
KARL W. FLESSA
JOHN HANDLEY
JEREMY B. C. JACKSON
BRUCE MACFADDEN
HARUYOSHI MAEDA
ARNOLD MILLER
WILLIAM MILLER
PAMELA MULLER
MARK PATZKOWSKY
DAVID RODLAND
IN MEMORY OF TOM SCHOPF
ANDREJ SPIRIDONOV
JAMES SPRINKLE
JACEK SULANOWSKI
SHERMAN SUTER
ROGER THOMAS
RON WASZCZAK

To become a Patron, send a check payable to *Paleobiology* to:

Paleobiology Patrons Fund
The Paleontological Society
P.O. Box 9044
Boulder, CO 80301-9044

SUBSCRIPTION INFORMATION

Paleobiology [ISSN 0094-8373] is published four times a year (February, May, August, and November) by Cambridge University Press (One Liberty Plaza, 20th Floor, New York, NY 10006) for the Paleontological Society. Members of the Paleontological Society automatically receive electronic subscriptions to *Paleobiology* and the *Journal of Paleontology* as a benefit of membership. Institutional subscriptions can be purchased direct from Cambridge University Press or through any major subscription agent. Print-only, online-only, and bundled print and online prices are all available, and subscription prices are tiered according to institution type and size.

Please contact Cambridge University Press for further details:

For customers in North America

Email: subscriptions_newyork@cambridge.org

Phone: (800) 872-7423, option 4

For customers outside of North America

Email: journals@cambridge.org

Phone: +44 (0)1223-32-6070; Fax: +44 (0)1223-32-5150

Downloads of individual articles are available on <https://www.cambridge.org/core/journals/paleobiology>.

Reprints of individual articles may be ordered. For information on reprints, please contact Cambridge University Press.

Archives of previous issues are available on <https://www.cambridge.org/core/journals/paleobiology>.

Permissions All rights reserved. Permissions and reproduction policies, request forms, and contacts are available at: <http://www.cambridge.org/about-us/rights-permissions/>

ADVERTISING

To advertise in the journal please contact M. J. Mrvica Associates, 2 West Taunton Avenue, Berlin, NJ 08009; Phone: 856-768-9360; Fax: 856-753-0064; Email: mjmrvica@mrvica.com

ABSTRACTING AND INDEXING

Abstracting and indexing information for *Paleobiology* is available at: <https://www.cambridge.org/core/journals/paleobiology/information/abstracting-and-indexing>

POSTAL INFORMATION

Periodicals postage rate paid at New York, NY, and at additional mailing offices. POSTMASTER: Send address changes in the USA, Canada, and Mexico to: *Paleobiology*, Cambridge University Press, Journals Fulfillment Department, One Liberty Plaza, 20th Floor, New York, NY 10006. Send address changes elsewhere to *Paleobiology*, Cambridge University Press, Journals Fulfillment Department, UPH, Shaftesbury Road, Cambridge CB2 8BS, England.

Copyright © 2021 The Paleontological Society. All rights reserved.

Printed in the United States of America