

# Cambridge Core

The new  
home of  
academic  
content

[cambridge.org/core](https://cambridge.org/core)

Cambridge Core



CAMBRIDGE  
UNIVERSITY PRESS



# Life Sciences

Books and Journals from  
Cambridge University Press

Cambridge is one of the leading publishers in ecology and conservation biology and publishes high quality texts and research across the breadth of the life sciences, focusing particularly on animal behaviour, biological anthropology, evolutionary biology, computational and systems biology, as well as statistics and professional development titles for biologists.

We also have an extensive portfolio of established journals in agriculture, ecology and conservation, and animal science.

For further details visit:  
[cambridge.org/core-life-sciences](https://cambridge.org/core-life-sciences)

Cambridge  
Core



CAMBRIDGE  
UNIVERSITY PRESS

# THE MARINE BIOLOGICAL ASSOCIATION OF THE UNITED KINGDOM

## TERMS OF MEMBERSHIP FOR 2017

MBA MEMBERSHIP (prices per annum)	Price from 1st March 2017
Young Marine Biologist (YMB)	£12.50
Student Member	£25.00
Associate Member	£40.00 (direct debit discount £5)
Professional Member, Mem.MBA	£45.00 (direct debit discount £5)
MBA Fellow, FMBA	£120.00 (direct debit discount £5)
Institutional Member	£340.00

### JOURNAL SUBSCRIPTION

(MBA price added to the above membership fees, with the exception of YMB as no Journal option for this category)

Online Journal	£20.00
Print & Online Journal	£80.00

The Association is a learned society founded in 1884 and incorporated by Royal Charter in 2013. The Marine Biological Association (MBA) provides a unified, clear, independent voice on behalf of the marine biological community. In 1888, the MBA opened the Plymouth laboratory at Citadel Hill.

The MBA is also a registered charity with its key aims being to promote scientific research into all aspects of life in the sea, including the environment on which it depends, and to disseminate to the public the knowledge gained. The Patron of the Association is His Royal Highness the Duke of Edinburgh, who is also an Honorary Fellow. The other Honorary Fellows are His Serene Highness Prince Albert of Monaco, Dr Sylvia Earle, Sir Tim Hunt and Professor James Lovelock.

The work of the Association is controlled by the Council elected annually by its subscribing members.

The Marine Biological Association, under the direction of its Council, has undertaken research in all branches of marine science and many of the results have been published in this Journal. An account of the history of the first hundred years of the Association and Journal may be found in Volume 67 (pp. 463 and 465).

Since its foundation the Association has been supported by grants from Research Councils and by subscriptions and donations

from private members, universities, learned societies, the Fishmongers' Company and other public bodies.

The Marine Biological Association is a very active scientific learned society with a large international membership. The MBA also manages an internationally renowned research programme.

Subscriptions can be paid by cash/cheque, direct debit from a UK bank account or credit card. \*Subscriptions are reduced by £5 per annum if paying by direct debit.

Members of the Association have a wide range of rights and privileges including the use of post-nominals (FMBA for MBA Fellows, Mem.MBA for Professional Members) and being entitled to receive The Marine Biologist Magazine. The Commissioners of Inland Revenue have approved the Association for the purposes of Section 16, Finance Act, 1958, and that the whole of the annual subscriptions paid by a member who qualifies for relief under the section will be allowable as a deduction from his emoluments assessable to income tax.

All correspondence should be addressed to: The Membership Secretary, Marine Biological Association, The Laboratory, Citadel Hill, Plymouth, PL1 2PB, UK (Tel. +44 (0) 1752 426493; e-mail: membership@mba.ac.uk).

PUBLISHED BY THE PRESS SYNDICATE OF THE UNIVERSITY OF CAMBRIDGE  
The Pitt Building, Trumpington Street, Cambridge, CB2 1RP, United Kingdom

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](http://www.fsc.org) for information.

Printed by Bell and Bain Limited, Glasgow

CAMBRIDGE UNIVERSITY PRESS

Journals Fulfillment Department, UPH, Shaftesbury Road, Cambridge CB2 8BS, United Kingdom  
1 Liberty Plaza, Floor 20, New York, NY 10006, USA  
477 Williamstown Road, Port Melbourne, VIC 3207, Australia  
C/ Orense, 4, planta 13, 28020, Madrid, Spain  
Dock House, The Waterfront, Cape Town 8001, South Africa

## CONTENTS

## EDITORIAL

- Brickle, P., Brown, J., Küpper, F.C. and Brewin, P.E. Biodiversity of the marine environment around Ascension Island, South Atlantic 643

## ARTICLES

- Nolan, E.T., Barnes, D.K.A., Brown, J., Downes, K., Enderlein, P., Gowland, E., Hogg, O.T., Laptikhovsky, V., Morley, S.A., Mrowicki, R.J., Richardson, A., Sands, C.J., Weber, N., Weber, S. and Brickle, P. Biological and physical characterization of the seabed surrounding Ascension Island from 100–1000 m 647
- Sarmiento-Ramirez, J.M., Sim, J., van West, P. and Dieguez-Uribeondo, J. Isolation of fungal pathogens from eggs of the endangered sea turtle species *Chelonia mydas* in Ascension Island 661
- Fletcher, K.I.G., Sim, J., Williams, N., Weber, N., Küpper, F.C. and van West, P. Novel lineage of a green alga and *Acremonium stroudii* (Ascomycota) sp. nov. reported from Ascension Island 669
- Tsiamis, K., Peters, A.F., Shewring, D.M., Asensi, A.O., van West, P. and Küpper, F.C. Marine benthic algal flora of Ascension Island, South Atlantic 681
- Stampar, S.N. and Morandini, A.C. Occurrence of *Isarachnanthus* (Cnidaria: Anthozoa: Ceriantharia) at Ascension Island: a test of hypothesis 689
- Reimer, J.D., Lorion, J., Irei, Y., Hoeksema, B.W. and Wirtz, P. Ascension Island shallow-water Zoantharia (Hexacorallia: Cnidaria) and their zooxanthellae (*Symbiodinium*) 695
- Opresko, D.M. Antipatharian corals of Ascension Island 705
- Hoeksema, B.W., Nunes, F.L.D., Lindner, A. and de Souza, J.N. *Millepora alcicornis* (Hydrozoa: Capitata) at Ascension Island: confirmed identity based on morphological and molecular analyses 709
- Zibrowius, H., Wirtz, P., Nunes, F.L.D., Hoeksema, B.W. and Benzoni, F. Shallow-water scleractinian corals of Ascension Island, Central South Atlantic 713
- Schwabe, E. and Tsiamis, K. Just undiscovered or invasive? The first record of a chiton (Mollusca: Polyplacophora) from the remote Ascension Island, southern Atlantic Ocean 727
- Arkhipkin, A., Boucher, E., Gras, M. and Brickle, P. Variability in age and growth of common rock oyster *Saccostrea cucullata* (Bivalvia) in Ascension Island (central-east Atlantic) 735
- Padula, V., Wirtz, P. and Schrödl, M. Heterobranch sea slugs (Mollusca: Gastropoda) from Ascension Island, South Atlantic Ocean 743
- Amor, M.D., Laptikhovsky, V., Norman, M.D. and Strugnell, J.M. Genetic evidence extends the known distribution of *Octopus insularis* to the mid-Atlantic islands Ascension and St Helena 753
- De Grave, S., Anker, A., Dworschak, P.C., Clark, P.F. and Wirtz, P. An updated checklist of the marine Decapoda of Ascension Island, central Atlantic Ocean 759
- Barnes, D.K.A. Marine colonization and biodiversity at Ascension Island and remote islands 771
- Wirtz, P., Bingeman, J., Bingeman, J., Fricke, R., Hook, T.J. and Young, J. The fishes of Ascension Island, central Atlantic Ocean – new records and an annotated checklist 783
- Morais, R.A., Brown, J., Bedard, S., Ferreira, C.E.L., Floeter, S.R., Quimbayo, J.P., Rocha, L.A. and Sazima, I. Mob rulers and part-time cleaners: two reef fish associations at the isolated Ascension Island 799
- Weber, S.B., Weber, N., Godley, B.J., Pelembe, T., Stroud, S., Williams, N. and Broderick, A.C. Ascension Island as a mid-Atlantic developmental habitat for juvenile hawksbill turtles 813
- Gomes-Pereira, J.N., Prieto, R., Neves, V., Xavier, J., Pham, C., Gonçalves, J., Porteiro, F., Santos, R. and Martins, H. The role of Malcolm Clarke (1930–2013) in the Azores as a scientist and educationist 821