

CAMBRIDGE

JOURNALS

Environmental Conservation

International Journal of Interdisciplinary Environmental Science

Published for the Foundation for Environmental Conservation

Editor

Nicholas V. C. Polunin, University of Newcastle, UK

Environmental Conservation is one of the longest-standing, most highly-cited of the interdisciplinary environmental science journals. It includes research papers, reports, comments, subject reviews, and book reviews addressing environmental policy, practice, and natural and social science of environmental concern at the global level, informed by rigorous local level case studies. The journal's scope is very broad, including issues in human institutions, ecosystem change, resource utilisation, terrestrial biomes, aquatic systems, and coastal and land use management. *Environmental Conservation* is essential reading for all environmentalists, managers, consultants, agency workers and scientists wishing to keep abreast of current developments in environmental science. Selected papers are made freely available online as part of **EC Perspectives**.

Price information

is available at: <http://journals.cambridge.org/enc>

Free email alerts

Keep up-to-date with new material – sign up at
<http://journals.cambridge.org/enc-alerts>



Environmental Conservation is available online at:
<http://journals.cambridge.org/enc>

To subscribe contact Customer Services

in Cambridge:

Phone +44 (0)1223 326070

Fax +44 (0)1223 325150

Email journals@cambridge.org

in New York:

Phone +1 (845) 353 7500

Fax +1 (845) 353 4141

Email

subscriptions_newyork@cambridge.org

For free online content visit:
<http://journals.cambridge.org/enc>



CAMBRIDGE
UNIVERSITY PRESS

THE MARINE BIOLOGICAL ASSOCIATION OF THE UNITED KINGDOM

TERMS OF MEMBERSHIP FOR 2011

Annual members, receiving the Journal – online only, per annum	£55.00*
Annual members, receiving the Journal – print only, per annum	£95.00*
Annual members, receiving the Journal – print and online, per annum	£115.00*
Annual members, without the Journal, per annum	£35.00*
Corporate members, receiving the Journal – online only, per annum	£360.00
Corporate members, receiving the Journal – print and online, per annum	£425.00
Student members, with the Journal – online only, per annum (non-voting)	£30.00
Student members, with the Journal – print only, per annum (non-voting)	£45.00
Student members, without the Journal, per annum (non-voting)	£20.00

The Association is a registered charity and was founded in 1884 to promote accurate researches leading to the advancement of zoological and botanical science and to increase our knowledge of the food, life, conditions and habits of British fish. 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). Summaries of the activities and research of the Association are given annually in the Report of the Council, sent to members in April, and to other subscribers with a later issue of the *JMBA*.

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 Plymouth Laboratory was opened in June 1888 and, since that date, considerable additions have been made to the buildings, including a library, resource centre, extensive laboratory accommodation and seawater facilities.

In 1988 an agreement was reached between the MBA Council and the Natural Environment Research Council (NERC) to merge a large part of the Plymouth Laboratory with the NERC's Institute for Marine Science which had been in Plymouth since 1971. This new institute was called the Plymouth Marine Laboratory (PML) based at both Citadel Hill and West Hoe sites. In 2001 the MBA and PML re-established separate identities funded by Grants-in-aid from NERC. The Association and the research programme are based entirely at the Citadel Hill Laboratory. The building is shared with SAHFOS (Sir Alister Hardy Foundation for Ocean Science). The research organizations are part of the Plymouth Partnership

which includes PML, the University of Plymouth and the NMA (National Marine Aquarium). Active collaboration and shared resources mutually enhance the marine research programmes of the participants.

The Marine Biological Association retains the lease of the building on Citadel Hill and continues as a very active scientific learned society with a large international membership. The MBA manages a research programme carried out by research fellows (partly funded by NERC) together with scientific visitors, publishes an International Journal, Annual Report, Newsletters and organizes scientific meetings.

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 the following rights and privileges: they elect the Officers and Council annually; they are entitled to receive the Journal of the Association at the members' rate; they receive the biannual Newsletter; they have the option to apply to the Director for research facilities at the laboratory; and they have access to the resources in the library at Plymouth during working hours. Corporate members have significant additional rights and privileges, details of which can be supplied on request. Student members do not have voting rights. 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 633207; Fax: +44 (0) 1752 633102; 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 for information.

CAMBRIDGE UNIVERSITY PRESS

The Edinburgh Building, Cambridge, CB2 2RU, United Kingdom
40 West 20th Street, New York, NY 10011-4211, 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

PROTOZOA	
XU, K., LEI, Y., AL-RASHEID, K.A.S. & SONG, W. Two new ectoparasitic ciliates, <i>Sphenophrya solinis</i> sp. nov. and <i>Planeticovorticella paradoxa</i> sp. nov. (Protozoa: Ciliophora), from marine molluscs	265
PORIFERA	
GOODWIN, C., JONES, J., NEELY, K. & BRICKLE, P. Sponge biodiversity of the Jason Islands and Stanley, Falkland Islands with descriptions of twelve new species	275
MURIC, G. Diversity of Indo-Australian <i>Plakortis</i> (Demospongiae: Plakinidae), with description of four new species	303
LEHNERT, H. & STONE, R.P. <i>Craniella sputnika</i> sp. nov. (Porifera: Spirophorida: Tetillidae) from the Aleutian Islands, Alaska, with suggested nomenclatural changes for the genera <i>Tetilla</i> and <i>Craniella</i>	321
BERTOLINO, M., PICA, D., BAVESTRELLO, G., IWASAKI, N. & CALCINAI, B. A new species of <i>Triptolemma</i> (Porifera: Pachastrellidae) from the Pacific Ocean with a revision of the genus	329
CALCINAI, B., BAVESTRELLO, G., CUTTONE, G. & CERRANO, C. Excavating sponges from the Adriatic Sea: description of <i>Cliona adriatica</i> sp. nov. (Demospongiae: Clionidae) and estimation of its boring activity	339
HENKEL, D. & JANUSSEN, D. Redescription and new records of <i>Celtodoryx ciocalyptoides</i> (Demospongiae: Poecilosclerida)—a sponge invader in the north-east Atlantic Ocean of Asian origin?	347
CNIDARIA	
NEETHLING, S., CHANNING, A., GERSHWIN, L.-A. & GIBBONS, M.J. A modern description of <i>Crambionella stuhlmanni</i> (Scyphozoa: Rhizostomeae) from St Lucia Estuary, South Africa	357
SIMPSON, A. & WATLING, L. Precious corals (Coralliidae) from north-western Atlantic Seamounts	369
PLATHELMINTHES	
LANFRANCHI, A., MEINI, G. & MELAI, M. A new species of otoplanid (Platyhelminthes: Rhabditophora: Otoplanidae) from Sicily, Italy	383
NEMATODA	
HOLOVACHOV, O., BOSTRÖM, S., REID, N., WARÉN, A. & SCHANDER, C. <i>Endeolophos skeneae</i> sp. nov. (Chromadoridae)—a free-living marine nematode epibiotically associated with deep-sea gastropod <i>Skenea profunda</i> (Skeneidae)	387
HUANG, Y. & SUN, J. Two new free-living marine nematode species of the genus <i>Paramarylynna</i> (Chromadorida: Cyatholaimidae) from the Yellow Sea, China	395
ANNELIDA	
HERNÁNDEZ-ALCÁNTARA, P. & SOLÍS-WEISS, V. <i>Trochochaeta mexicana</i> , a new species from an unusual family of Polychaeta, with comments on the world distribution of Trochochaetidae	403
ÇINAR, M.E. & PETERSEN, M.E. Redescription of <i>Cirratulus dollfusi</i> (Polychaeta: Cirratulidae), and <i>Fauvelicirratulus</i> as a new genus	415
BARROSO, R. & PAIVA, P.C. A new deep-sea species of <i>Chloeia</i> (Polychaeta: Amphinomidae) from southern Brazil	419
SANTOS, A.S., RIUL, P., SANTOS BRASIL, A.C. & CHRISTOFFERSEN, M.L. Encrusting Sabellariidae (Annelida: Polychaeta) in rhodolith beds, with description of a new species of <i>Sabellaria</i> from the Brazilian coast	425
REUSCHER, M. & FIEGE, D. Sphaerodoridae (Annelida: Polychaeta) from the deep south-west Pacific, with the description of a new species of <i>Sphaerodoropsis</i>	439
ARTHROPODA	
KRAPP-SCHICKEL, T., GUERRA-GARCIA, J.M., BAEZA-ROJANO, E. & CABEZAS, M.P. Taxonomy and ecology of some gammaridean species (Crustacea: Amphipoda) from Tarifa Island, southern Spain	447
COLEMAN, C.O. <i>Batea aldebaranae</i> sp. nov. (Crustacea: Amphipoda: Bateidae) from the coast of Belize with redescriptions of two related species	455
LÖRZ, A.N. Pacific Epimeriidae (Amphipoda: Crustacea): <i>Epimeria</i>	471
EL-SHERBINY, M.M. A new species of <i>Centropages</i> (Copepoda: Calanoida) from the neritic waters of Sharm El-Sheikh, the Red Sea	479
PALERO, F., GUERAO, G., CLARK, P.F. & ABELLÓ, P. <i>Scyllarus arctus</i> (Crustacea: Decapoda: Scyllaridae) final stage phyllosoma identified by DNA analysis, with morphological description	485
MOLLUSCA	
HØISETER, T. Revision of the Cancellariidae (Gastropoda: Caenogastropoda) in the deep water of the Norwegian Sea, with the description of a new species of <i>Admete</i>	493
ALVIM, J., PADULA, V. & PIMENTA, A.D. First record of the genus <i>Onchidoris</i> (Gastropoda: Nudibranchia: Onchidorididae) from the South Atlantic Ocean, with the description of a new species from Brazil	505
BENAIM, N.P. & ABSALÃO, R.S. Deep sea <i>Yoldiella</i> (Pelecypoda: Protobranchia: Yoldiidae) from Campos Basin, Rio de Janeiro, Brazil	513
SANTOS GOMES, R.D. <i>Conus jaspideus</i> (Mollusca: Neogastropoda: Conoidea) on the Brazilian coast	531
HØISETER, T. The genus <i>Eumetula</i> (Gastropoda: Caenogastropoda: Cerithiopsidae) in north European waters, with the description of a new species from the upper continental slope off Norway	539
CUCCU, D., MEREU, M., FOLLESA, M.C., DEIANA, A.M. & CAU, A. <i>Bathypolypus sponsalis</i> (Cephalopoda: Octopoda) from the central western Mediterranean Sea	549
CHORDATA	
GARIĆ, R. & BATISTIĆ, M. <i>Fritillaria ragusina</i> sp. nov., a new species of Appendicularia (Tunicata) from the Adriatic Sea	555
MATALLANAS, J. Description of two new species of <i>Ophthalmolycus</i> (Teleostei: Zoarcidae) from the southern Ocean and key to species of the genus	561