



Access  
leading  
journals in  
your subject

# Cambridge Core

Explore today at [cambridge.org/core](https://www.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](http://cambridge.org/core-life-sciences)

Cambridge  
Core



CAMBRIDGE  
UNIVERSITY PRESS

*The Association for marine professionals*

# The Marine Biological Association



*"The future now is in the hands of those who understand the real importance of the blue part of the planet"*

Dr Sylvia Earle Hon.MBA

**Join a global community promoting marine science excellence.  
Professional Membership of the MBA provides:**

- o use of the post-nominal Mem.MBA
- o *The Marine Biologist* magazine
- o access to an Experts Database to connect with other professionals
- o opportunities to influence marine policy
- o a Certificate of Membership
- o an exclusive MBA pin badge
- o access to research awards and grants

*And much more!*

Fellow FMBA £120\*, Professional Mem.MBA £45\*, Associate £40\*, Student £25  
\*£5 Direct Debit discount

**Providing an authoritative and independent voice for the marine biological community.**

T: +44 (0) 1752 426493 | E: [membership@mba.ac.uk](mailto:membership@mba.ac.uk) | [www.mba.ac.uk](http://www.mba.ac.uk)

@thembauk



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

ARTICLES

- Hereu, C.M., Arteaga, M.C., Galindo-Sánchez, C.E., Herzka, S.Z., Batta-Lona, P.G. and Jiménez-Rosenberg, S.P.A. Zooplankton summer composition in the southern Gulf of Mexico with emphasis on salp and hyperiid amphipod assemblages 665
- Kuplik, Z. and Angel, D.L. Diet composition and some observations on the feeding ecology of the rhizostome *Rhopilema nomadica* in Israeli coastal waters 681
- Behera, P.R., Jishnudev, M.A., Saravanan, R., Roul, S.K., Ghosh, S., Mahesh, V.U. and Joshi, K.K. Redescription of the enigmatic jellyfish, *Crambionella annandalei* (Cnidaria: Scyphozoa) from Indian waters 691
- Kondo, Y., Suzuki, Y., Ohtsuka, S., Nagai, H., Tanaka, H., Srinui, K., Miyake, H. and Nishikawa Jun. Differences in the cnidomes and toxicities of the oral arms of two commercially harvested rhizostome jellyfish species in Thailand 701
- Yamazaki, D., Aota, T. and Chiba, S. The genetic structure of the marine flatworm *Stylochoplana pusilla* (Rhabditophora: Polycladida) and its use of intertidal snails 713
- Arias, A. and Paxton, H. First record of the rare deep-sea polychaete *Rhamphobranchium* (*Rhamphobranchium*) *agassizii* (Annelida: Onuphidae) in European waters 719
- Matos, A.S., Matthews-Cascon, H. and Chaparro, O.R. Morphometric analysis of the shell of the intertidal gastropod *Echinolittorina lineolata* (d'Orbigny, 1840) at different latitudes along the Brazilian coast 725
- Sørensen, C.G., Rauch, C., Pola, M. and Malaquias, M.A.E. Integrative taxonomy reveals a cryptic species of the nudibranch genus *Polycera* (Polyceridae) in European waters 733
- Shiozaki, Y. and Itani, G. Behavioural strategy of the ectosymbiotic crab (*Sestrostoma* sp.) during ecdysis of the crab and its upogebiid shrimp host 753
- Chagas, G.C.S., Alitto, R.A.S., Serrano, H., Granadier, G., Guilherme, P.D.B. and Borges, M. New diagnostic characters for *Amphiodia* and *Ophiophragmus* (Amphiuridae, Ophiuroidea, Echinodermata) 759
- Maichak de Carvalho, B., Pupo, D.V., Volpedo, A.V., Pisonero, J., Méndez, A., Avigliano, E. Spatial environmental variability of natural markers and habitat use of *Cathorops spixii* in a neotropical estuary from otolith chemistry 783
- Mendes, C., Ramos, S., Elliott, M. and Bordalo, A.A. Feeding strategies and body condition of juvenile European flounder *Platichthys flesus* in a nursery habitat 795
- Lustosa-Costa, S.Y., Nascimento Duarte, M.R., Vasconcelos Araújo, P.R. and Pessanha, A.L.M. Resource partitioning among juvenile snappers in a semi-arid estuary in north-eastern Brazil 807
- Sandoval-Lugo, A.G., Espinosa-Carreón, T.L., Seminoff, J.A., Hart, C.E., Ley-Quinónez, C.P., Aguirre, A.A., Jones, T.T. and Zavala-Norzagaray, A.A. Movements of loggerhead sea turtles (*Caretta caretta*) in the Gulf of California: integrating satellite telemetry and remotely sensed environmental variables 817
- Solana-Arellano, E., Ramírez-Delgado, D. and Santacruz-López, E. Allometric models for sex ratio determination in all stages of ontogeny of *Chelonia mydas* from Bahía de los Ángeles, México 825
- Romeo, T., Battaglia, P., Macaluso, D., Tagliavia, G., Vicchio, T.M., Falautano, M., Serena, F. and Andaloro, F. When prey becomes killer: does a double lethal attack on a blue shark reveal a precise defensive strategy in young swordfish? 831
- Calle-Morán, M.D. and Galván-Magaña, F. Diet composition and feeding habits of the pelagic thresher shark *Alopias pelagicus* in Eastern Central Pacific Ocean, Ecuadorian waters 837
- Olaya Meza, C., Akkaya, A., Affinito, F., Öztürk, B. and Öztürk A.A. Behavioural changes and potential consequences of cetacean exposure to purse seine vessels in the Istanbul Strait, Turkey 847
- Cobarrubia-Russo, S.E., Barreto-Esnal, G.R., Molero-Lizarraga, A.E. and Mariani-Di Lena, M.A. Individual home ranges of *Tursiops truncatus* and their overlap with ranges of *Stenella frontalis* and fishermen in Aragua, Venezuela, South Caribbean 857