



Cover

Xie and Watanabe analysed sagittal otoliths to determine age and early growth for 381 jack mackerel (*Trachurus japonicus*) juveniles from Sagami Bay on the Pacific coast of Japan. Two separate hatching periods (December and February/March) were identified. These results varied from those from previous research in Fukawa Bay.



The impact of small-scale variability in habitat complexity on caridean shrimp was investigated in a biodiverse Indo-Pacific seagrass setting and was found to positively affect shrimp abundance and species richness, while significantly altering shrimp assemblage structure. This study considered these changes in shrimp assemblage to reflect changes in individual species habitat specialisation and found patterns that were in contrast to studies in seagrass beds from other bioregions and faunal groups (see Unsworth *et al.*).

CONTENTS

- The use of caudal thorns for ageing *Raja undulata* from the Portuguese continental shelf, with comments on its reproductive cycle
T. Moura, I. Figueiredo, I. Farias, B. Serra-Pereira, R. Coelho, K. Erzini, A. Neves and L. S. Gordo 983
- Influence of area, altitude and hydroperiod on macroinvertebrate communities in southern Brazil wetlands
C. Stenert and L. Maltchik 993
- Consequences of natural variation in maternal investment and larval nutrition on larval growth of a marine polychaete
B. L. Smith and T. F. Bolton 1002
- Faunal relationships with seagrass habitat structure: a case study using shrimp from the Indo-Pacific
R. K. F. Unsworth, S. De Grave, J. Jompa, D. J. Smith and J. J. Bell 1008
- Salinity tolerance of riverine microinvertebrates from the southern Murray–Darling Basin
B. J. Kefford, E. J. Fields, C. Clay and D. Nuggeoda 1019
- Relating microalgal spatial patterns to flow, mouth and nutrient status in the temporarily open/closed Mngazi estuary, South Africa
G. C. Snow and J. B. Adams 1032
- Tag retention, survival and growth of marron *Cherax tenuimanus* (Crustacea:Decapoda) marked with coded micro wire tags
M. de Graaf 1044
- Transport-determined early growth and development of jack mackerel *Trachurus japonicus* juveniles immigrating into Sagami Bay, Japan
S. Xie and Y. Watanabe 1048
- A fuzzy-logic tool for multi-criteria decision making in fisheries: the case of the South African pelagic fishery
B. Paterson, A. Jarre, C. L. Moloney, T. P. Fairweather, C. D. van der Lingen, L. J. Shannon and J. G. Field 1056

EARLY ALERT Sign-up at www.publish.csiro.au/journals/mfr for our electronic early alert and receive the next table of contents weeks in advance of the print version