

MEIOFAUNA MARINA

Biodiversity, morphology and ecology
of small benthic organisms



Verlag Dr. Friedrich Pfeil

Order form or order online at www.pfeil-verlag.de

address
e-mail

Verlag Dr. Friedrich Pfeil
Wolfratshausener Straße 27
81379 München
GERMANY

phone: +49 (0)89 742827-0 • fax: +49 (0)89 7242772
e-mail: info@pfeil-verlag.de • www.pfeil-verlag.de

I hereby wish to order **MEIOFAUNA MARINA**

STANDING ORDER, beginning with volume 18

institutional subscription 96.- € personal subscription * 48.- €

INDIVIDUAL VOLUMES / BACK ISSUES volume(s):

institutional order 96.- € personal order* 48.- € (per volume)

* Members of the International Association of Meibenthologists will receive a special discount and pay only 40.- €.

I am member of the International Association of Meibenthologists

PAYMENT: send me a proforma invoice

bill my credit card:

Master-/Eurocard Visa American Express

number:

expiry date: / card verification number:

Card holders signature:

MEIOFAUNA MARINA

**Biodiversity, morphology and ecology
of small benthic organisms
volumes 12-18**

**(continues Microfauna Marina
volumes 1-11)**

In the twenties of the 20th century, Adolf Remane from Kiel, Germany, was looking for an ecosystem which was poor in species, because he wanted to describe such a marine ecosystem as complete as possible. Because relatively few species had been found, he expected the interstitial system to be an ideal model. It very soon turned out that Remane completely underestimated the species richness of this community. But he had opened the door to a fascinating, extremely diverse and highly dynamic system which has become an important component of marine research.

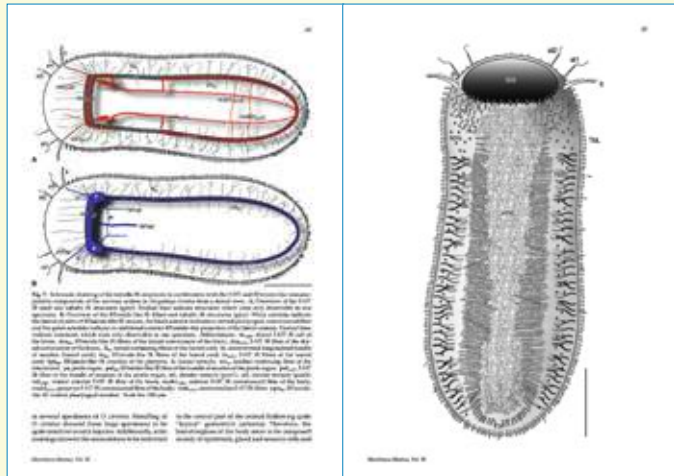
Defined as animals of microscopic size living in marine sediments, marine meiofauna is found from the shore to the deep sea. Today it is known as one of the earth's richest and most diverse community that still contains numerous undescribed species and higher taxa.

Special adaptations evolved within the meiofaunal community, especially in meiofaunal organisms living in the intertidal zone with its

extremely changing abiotic influences. Certain higher taxa evolved exclusively in the marine interstitial system. Specific evolutionary constrains in this environment caused elaborated life-cycles, migration patterns, reproductive behaviours and structural adaptations. The interstitial system is also a habitat for larvae and juveniles of several macrofaunal species. A surprisingly large number of species coexists in the tiny interstices, but still most questions on their interactions and life strategies await their answers.

Meiofauna Marina is dedicated to the research on this fascinating environment and its organisms. This journal follows tradition of two former journals: the **Mikrofauna des Meeresbodens** which appeared between 1970 and 1983 (volumes 1-90) and the **Microfauna Marina** which appeared between 1984 and 1997 (volumes 1-11). Both journals were edited by Peter Ax, who has had an extraordinary impact on meiofauna research.

The aim of *Meiofauna Marina* is to present a forum for the various aspects of meiofauna research. The definition of marine meiofauna is *sensu lato* and includes endo- and epibenthic animals with sizes of up to a few millimeters or peripheral regions such as brackish water. Any aspect of meiofauna research, from taxonomy to phylogeny, from morphology to ecology is welcome.



Chief editors

Andreas Schmidt-Rhaesa

Zoological Museum, University Hamburg, Germany

Kai Horst George

Deutsches Zentrum für Marine Biodiversitätsforschung
Forschungsinstitut Senckenberg, Wilhelmshafen, Germany

M. Antonio Todaro

Dipartimento di Biologia Animale
Università di Modena e Reggio Emilia, Modena, Italia

Volumes of *Microfauna Marina* are still available.
Find more information at www.pfeil-verlag.de