

# JOURNAL OF SEA RESEARCH

## Background of the Journal

The Netherlands Journal of Sea Research was introduced in April 1961 to publish the investigations of the Netherlands Institute for Sea Research (formerly the Zoological Station of the Netherlands Zoological Society). Although the authors of the first publications were employed as scientists and director of the institute, the Journal became an international platform within a few years. The first special issue was published in August 1973, and comprised the Proceedings of the 7th European Symposium on Marine Biology. To reflect the broadening of the geographical origin of the authors, the name of the journal was changed in 1996 into the Journal of Sea Research. The Journal is published by Elsevier since 1997. The scientific responsibilities and the editorial office have always been within NIOZ.

## Publications in 2004

In 2004, the Journal published volumes 51 and 52, each consisting of four issues and together comprising 47 research papers and 4 short communications. A Special Issue, viz. 51(3-4) comprised Part II of the Proceedings of the International Scientific Symposium on "Proceedings of the Fifth International Symposium on Flatfish Ecology".

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### Most downloaded articles

Between April 2003 and March 2004, the following articles were downloaded most frequently from the web (the number of downloads are given between brackets).

1. Karsten Reise (n=509)

Sediment mediated species interactions in coastal waters  
Journal of Sea Research, 48 (2002) 127-141

2. J. Timothy Wootton (n=426)

Indirect effects in complex ecosystems: recent progress and future challenges  
Journal of Sea Research, 48 (2002) 157-172

3. John Widdows and Mary Brinsley (n=389)  
Impact of biotic and abiotic processes on sediment dynamics and the consequences to the structure and functioning of the intertidal zone  
Journal of Sea Research, 48 (2002) 143-156
4. G. Claireaux and J.-P. Lagardere (n=371)  
Influence of temperature, oxygen and salinity on the metabolism of the European sea bass  
Journal of Sea Research, 42 (1999) 157-168
5. Anna Lucea, Carlos M. Duarte, Susana Agusti and Morten Sondergaard (n=309)  
Nutrient (N, P and Si) and carbon partitioning in the stratified NW Mediterranean  
Journal of Sea Research, 49 (2003) 157-170
6. W. F. de Boer and H. H. T. Prins (n=263)  
Human exploitation and benthic community structure on a tropical intertidal flat  
Journal of Sea Research, 48 (2002) 225-240
7. Gerhard C. Cadee and Jan Hegeman (n=253)  
Phytoplankton in the Marsdiep at the end of the 20th century; 30 years monitoring biomass, primary production, and Phaeocystis blooms  
Journal of Sea Research, 48 (2002) 97-110
8. Stefan G. Bolam and Teresa F. Fernandes (n=226)  
Dense aggregations of *Pygospio elegans* (Claparede): effect on macrofaunal community structure and sediments  
Journal of Sea Research, 49 (2003) 171-185
9. S. Dittmann (n=208)  
Zonation of benthic communities in a tropical tidal flat of north-east Australia  
Journal of Sea Research, 43 (2000) 33-51
10. Margene E. Goecker and Sara E. Kall (n=205)  
Grazing preferences of marine isopods and amphipods on three prominent algal species of the Baltic Sea  
Journal of Sea Research, 50 (2003) 309-314

Note that the top-3, and number 7 on the list are articles that were part of the Proceedings of the Symposium "Structuring Factors of Shallow

Marine Coastal Communities". This symposium was organised by the Journal in November 2001 to celebrate the 40<sup>th</sup> anniversary of the Journal and the 125<sup>th</sup> anniversary of the institute. Compared to September 2003, the online usage of the Journal of Sea Research in September 2004 has increased by 33% to approximately 3000 downloaded articles in one month.

C.J.M. Philippart, B. Bak-Gade, J.J. Beukema, G.C. Cadée and H.G. Epping

### Obituary

#### JACQUES W. DE BLOK 1923-2004

On the 24<sup>th</sup> of December 2004 our former colleague biologist Jacques de Blok passed away after several years of a debilitating illness. De Blok started studying biology at Leiden University just after the war in 1946. Under Prof. C.J. van de Klaauw he studied the architecture of the asymmetrical head of the plaice (published in four parts in the Proceedings of the Dutch Royal Academy in 1955-'57). In 1952 he worked as a student at the Zoological Station in Den Helder (later NIOZ) on settlement of mussel larvae, together with Hanny Geelen. They found that larvae first settled on thread-like material, to move later on by byssus-drifting to mussel banks. With the renewed interest in byssus-drifting in later years, he published a note on his early work for *Nature* in 1977 (267: 558). In 1953, he started work on lunar and tidal influences on timing of reproduction in marine invertebrates, first as ZWO-financed research. From 1958, Jacques continued as a staff member of the Zoological Station. This work was supervised by dr. P. Korrynga (Netherlands Institute for Fishery Investigations) and dr J. Verwey, director of the Zoological Station. In his well known annual reports of the Zoological Station, J. Verwey, mentioned the progress and the difficulties encountered every year. In cooperation with mr. Duk, instrument maker at the Zoological Laboratory of the University of Leiden, an apparatus was constructed to test separately the action of the different factors that change during tidal and lunar cycles. Although the apparatus worked finally, the various species tested proved

very uncooperative in production of clear results and the number of experiments that could be done, working with artificial periodicity cycles of 17 and 34 days, could yield only few data within the reproductive season of each year. However, this study made Jacques an expert in aquarium facilities. NIOZ very much profited by this experience during the planning and construction of the Aquarium building of the new Institute on Texel (1971). The building was fully restored in 2004, but its basic construction concept was kept as it had been for more than 30 years.

Jacques' punctuality made him also a good editor of the Netherlands Journal of Sea Research founded in 1961. He became an editor in 1969, executive editor in 1970 and remained so till his retirement in 1984, when his task was taken over by dr. J.J. Beukema. Jacques was very helpful in guiding NIOZ scientists with their first papers in the Journal. In Jacques' editorial period special volumes were published for the first time, such as Proceedings of EMBS symposia held on Texel (1973 and 1982); and authors were invited to publish together on topics such as Chemistry of the Wadden Sea (1974), *Arenicola* (1979), the Zaire river and deep-sea fan (1984), the Oyster Ground (1984) and the brackish Lake Grevelingen (1984). In Jacques period 'our' NIOZ Journal gradually developed to the high standard international journal as we know it today. Its size changed; no longer are all figures redrawn by the reprographic department at NIOZ, and Dutch authors have become a minority. To indicate this truly international character we have changed the name to Journal of Sea Research in 1996. Since 1997 the journal is published by Elsevier, but its editors are still based at the Royal NIOZ and continue in Jacques de Blok's spirit, publishing papers for an international readership.

G.C. Cadée