

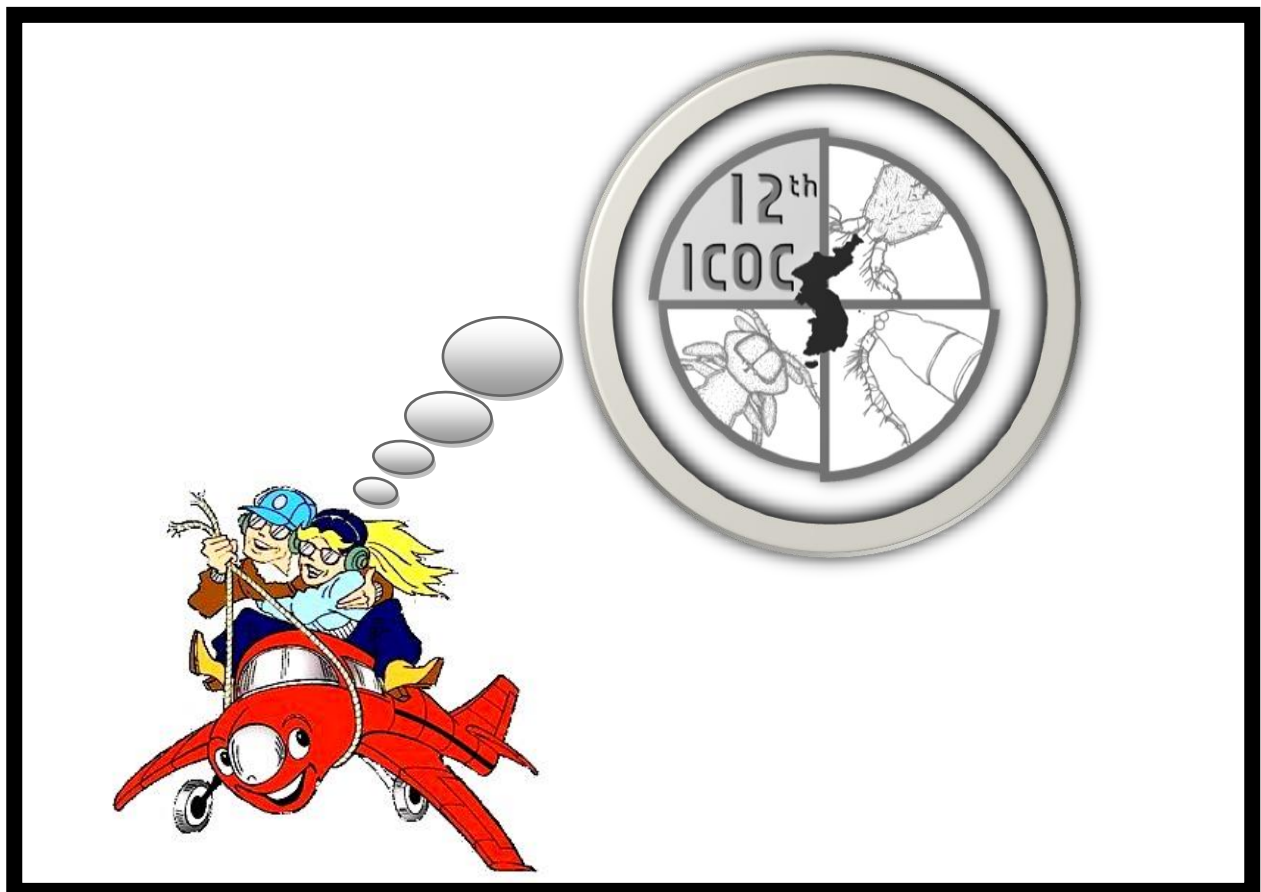
PSAMMONALIA

The Newsletter of the
International Association of Meiobenthologists

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Dept. Of Life Science, College of Natural Sciences, Hanyang University,
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DONT FORGET TO RENEW YOUR MEMBERSHIP IN IAM!

THE APPLICATION CAN BE FOUND AT:

<http://www.meiofauna.org/appform.html>

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Editorial

Dear Colleagues,

Really time is like an arrow! It has been a year ago since the FiftIMCO in Korea. I hope all of you are having a fruitful time in your research and daily life. Here's a report for our recent activities, and news related to our society. I must express my sincere thanks to Mr. Vinod Vakati who is editing the current issue of Psammonalia. He will keep devoting to this job, hopefully until the end of 2016. I have already hot summer in Seoul, and hopefully all of you have a nice summer holiday season.

With best wishes,

By Wonchoel Lee

Editor – in – Chief

Dr. Wonchoel Lee

Editorial Board

Vinod Vakati

Data Base

Frontiers in Marine Science



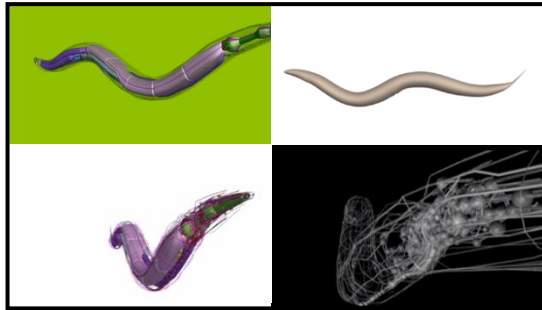
It's a new journal in the 'Frontiers family' called 'Frontiers in Marine Science - Marine systematics and Taxonomy'. It's an open access journal, and besides being nested in the Frontiers series that usually maintains good impact factors, importantly this journal is designed for taxonomy, which makes it relevant for many members of our community.

Dr. Martin Vinther Sørensen, Associate professor at Natural History Museum of Denmark, Who has been appointed as subject editor for Cycloneuralia, meaning that all contributions regarding, e.g., nematodes, kinorhynchs and priapulids go through him. We hope people will consider it for their future descriptions. Please go

through the journal web page

http://www.frontiersin.org/Marine_Systematics_and_Taxonomy/about

Nematode designing



Open Worm is an open source project dedicated to creating a virtual *C.elegans* nematode in a computer. It aims to build the first comprehensive computational model of *C.elegans*, a microscopic roundworm. With only thousand cells, it solves basic problems such as feeding, mate – finding and predator avoidance. Despite being extremely well studied in biology, this organism still eludes a deep, principled understanding of its biology.

People used a bottom-up approach, aimed at observing the worm behavior emerge from a simulation of data derived from scientific experiments carried out over the past decade. To do so we are incorporating the data available in the scientific community into software models.

Please follow the link for deeper understandings
<http://www.openworm.org/index.html>

Books at a glance

Proceedings of the Biological Society of Washington

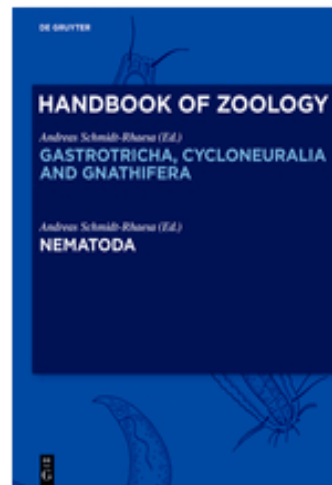


This special issue of the Proceedings of the Biological Society of Washington is dedicated to the “Fifteenth International Meiofauna Conference

(FifIMCo)” and contains 18 selected papers in two sections: I) “Biodiversity of Meiofauna” with ten papers, and II) “Invertebrate fauna from Korea” with eight papers.

The papers presented in this issue represent the first collective publication of proceedings of a meeting of the International Meiofauna Conference since its inception in 1969.

Hand Book of Zoology: Nematoda



Overview

- Comprehensive account of the morphology, ecology, phylogeny and diversity of the Nematoda.
- Taxa with important roles as parasites, in terrestrial and aquatic communities
- Recent systematic and evolutionary questions are treated.

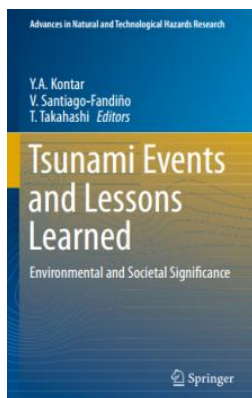
Aims and Scope

This section of the Handbook of Zoology is intended as a comprehensive and exhaustive account of the biology of the taxa Gastrotricha, Nematoda, Nematomorpha, Priapulida, Kinorhyncha, Loricifera, Gnathostomulida, Micrognathozoa, Rotifera, Seisonida and Acanthocephala, covering all relevant topics such as morphology, ecology, phylogeny and diversity. The series is intended to be a detailed and up-to-date account of these taxa. As

was the case with the first edition, the Handbook is intended to serve as a reliable resource for decades.

Many of the taxa of this volume are comparatively unknown to many biologists, despite their diversity and importance for example in meiofaunal communities (Gastrotricha, Rotifera, Gnathostomulida), their fascinating recent discoveries (Loricifera and Micrognathozoa), their importance as parasites (many nematodes, Nematomorpha, Acanthocephala) and their importance for evolutionary questions (e.g. Priapulida, Gastrotricha). The groups covered range from those poor in species (such as Micrognathozoa with 2 known species) to the species-rich and diverse Nematoda and their ca. 20.000 described species. While each taxon is covered by one chapter, nematodes are treated in several chapters dedicated to their structural, taxonomic and ecological diversity.

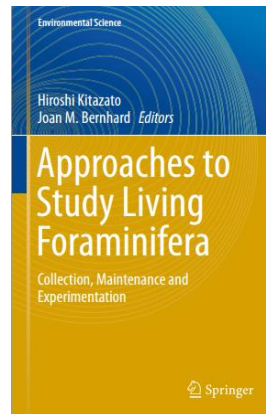
Meiofauna Gathering



This book consists of theoretical and practical explanations about Environmental and Societal Significance, especially with regards to Tsunami events. Interestingly this book even covered with important aspects of Meiofauna assemblages within few weeks after Tsunami events.

Note: Chapter 9 Ecological Status of Sandy Beaches after Tsunami Events: Insights from Meiofauna Investigations After the 2011 Tohoku-oki Tsunami, Sendai Bay, Japan.

Approaches to Study Living Foraminifera



This book concerns about the experimental approaches with unique concepts to study living foraminifera. Especially it's useful to the one who wish to study living foraminifera with a geological and/or paleontological background rather than a biological background.

Note: It's freely available online.

Upcoming conferences

The following content would be of interest. Perhaps some of these already been advertised in the previous issue but they are presented again as they are still in the future.

3rd World Conference on Marine Biodiversity



12-16 Oct, 2014 Huanghai Hotel, Qingdao, China

<http://wcm2014.csp.escience.cn/>

World Conference of Marine Biodiversity III Committees For the organization of a special session on “Ecological and evolutionary paradigms in marine biology and how meiofauna can be used to address them?”.

The session will address how marine meiofauna research is contributing to advances on major biological, ecological and evolutionary

paradigms at different levels of biological organisation; i.e. from the molecular level (genome, proteins, etc.) to organismal, population, communities and ecosystems, and how meiofauna can help us to tackle issues on climate change, anthropogenic pressures, conservation, marine management and sustainable development. It will have six themes:

1. Marine Biodiversity & Global changes
 2. Marine Ecosystem Structure & Function
 3. Marine Ecosystem Safety
 4. Marine Biological Observations
 5. Marine Biological Resources
 6. Deep Sea Biodiversity
- June 15th, 2014 – Dead line for Early-bird registration and abstract submission.
 - July 1st, 2014 – Notification for the acceptance of Abstract
 - August 30th, 2014 – Deadline for regular registration

Organizers and chairs of the special session,
 Dr. Jeroen Ingels (jein@pml.ac.uk), Prof. Zhi Nan Zhang,
 Prof. Em. Richard Warwick, Dr. Gustavo Fonseca

8th International Shallow Lakes Conference



12- 17 October, 2014 Antalya, Turkey.

<http://www.shallowlakes2014.org/pages>

The guiding theme of the 8th International Shallow Lakes Conference is “**Ecology of Shallow Lakes in a Fast-Changing World**”. Its purpose is to provide ± a stimulating scientific environment.

Important Dates

- Abstract submission Deadline: 16th April 2014
- Notification of Acceptance: 30th May

2014

- Early Registration Deadline: 16th June 2014
- Author Registration Deadline: 1st July 2014

8th International Symposium on Eastern Mediterranean Geology



13th-17th Oct, 2014 Atatürk Cultural Center,
 Mugla Sıtkı Kocman University, Turkey.

<http://isemg.org/>

This event is dedicated for certain topics on Eastern Mediterranean Geology with two different themes and sessions. It has even covered with the topic “Paleontology”, so it would be a great opportunity for the people who are dealing with marine microscopic fossil records.

- 15th July – Dead line for Abstract Submission
- 15th August – Deadline for Early registration
- 16th Aug – 17th Oct – Registrations.

Conferences, Workshops held and Registrations closed

This content maybe to evoke about the current activities of meiobenthology and to make young researchers always heedful of events.

12th International Conference on Copepoda in Korea

12th International Conference on Copepoda in KOREA



Pre-Conference Workshop: July 8th - 12th 2014 at Chonnam National University
 Main Conference: July 14th - 18th 2014 at Hanyang University
 For further information on the conference, please contact us
 Lab. of Biodiversity, Department of Life Science, College of Natural Sciences, Hanyang University, Seoul 133-791 KOREA
 Tel. +82-2-2220-1704 / Fax. +82-2-2296-7158 / E-mail: icoc2014kr@gmail.com

Welcome to 12th ICOC

8th - 12th July, 2014 Chonnam National University, Korea

14th -18th 2014 Hanyang University, Korea

<http://www.12icoc.kr/12th/sub01.html>

The objective of the course is to provide postgraduate students/postdoctoral fellows with a comprehensive and state-of-the-art introduction to the diversity, morphology, systematics and biology of benthic, planktonic and symbiotic copepods, including training in technical skills. The course will be taught by an international team of five tutors, each being an internationally renowned specialist in a different area of copepod systematics.

Systematics of freshwater subterranean Malacos traca: Morphology, molecular systematics, and web-taxonomy



Practical experiences:

- Techniques used for study of morphology (Amphipoda, Isopoda)
- Use of online morpho-databases (Amphipoda)
- Molecular laboratory techniques (Amphipoda, Isopoda, Decapoda)
- Analytic methods used for morphological & Molecular data.

Name of mentor / supervisor: Cene Fišer

Registration: Closed 30th April, 2014.

Note: Please check the below link as “DEST” offers several taxonomy courses. It’s a great opportunity for young research scholars to explore about meiobenthology.

<http://www.taxonomytraining.eu/>

TMS joint Foraminifera and Nannofossil Spring

Meeting 2014: Foraminifera and nannofossils through time: qualification and quantification



23rd – 25th June 2014, Texel, The Netherlands.

<http://www.tmsoc.org/foraminanno2014.html#Introduction>

The theme for this year's event was "**Foraminifera and Nannofossils through time: qualification and quantification**". Studies focusing on modern-day processes as well as paleontological application of foraminifera and nanno fossils.

These may include studies on ecology, morphometrics, evolution, genetics and morphology-based taxonomy, biomineralization, carbonate geochemistry, biostratigraphy, paleoceanography and paleoclimatological applications of carbonate microfossils.

Note: The Micropalaeontological Society organizes Many events. Please check the below link <http://www.tmsoc.org/>

1st Meeting of Asian Ostracodologists in Korea



23rd – 27th June 2014, Seoul, South Korea.

<http://www.mao1.kr/>

This event is organized for the very first time in Asia. It will be a great initiation for the expansion of research activities on Ostracods.

The theme of this conference was to spread the knowledge of East Asian biodiversity of Ostracods and Paleoeology.

Sponsors:

- Hanyang University
- Invertebrates Research Team of “Discovery

of Indigenous Species in Korea”

- BK21 PLUS Eco – Bio Fusion Research Team

6th International Congress of Nematology



4th – 9th May 2014, Cape Town, South Africa.

The theme of the conference was “Ensuring the future of nematology by encouraging student participation, relying on experience and empowering developing nations to ensure global food security”

43rd Annual Benthic Ecology Meeting 2014



19th -22nd March 2014, Jacksonville, Florida.

Purpose of the Benthic Ecology Meeting Society

The Benthic Ecology Meeting is a nonprofit organization, established to run a meeting yearly with the purpose of exchange of scientific information on benthic ecosystems and to foster the next generation of benthic biologists. The mission of the BEM is to: promote research in benthic ecosystems; support the exchange of information about benthic ecology and foster the next generation of benthic ecologists through student participation. The BEM is organized exclusively for educational and scientific purposes.

News from members

Norliana Rosli

University of Otago, New Zealand



iyana113@gmail.com

I am Norliana Rosli, a PhD student from University of Otago, New Zealand. I am working on ecology and taxonomy of deep-sea meiofauna (particularly on nematodes) from New Zealand’s continental margin for my PhD project, under **Keith Probert** (University of Otago, New Zealand) and Daniel Leduc (National Institute of Weather & Atmospheric Research (NIWA), New Zealand). Currently, I am working on the description of a new deep-sea nematode species.

I also have an interest in deep-sea Kinorhynch from my samples that I’m working on. I have found these to be widely distributed in New Zealand waters, and because they are not well studied, they would be an interesting future research topic.

Melissa Rohal

Texas A&M University, USA



My name is Melissa Rohal. I am a second year PhD student at Texas A&M University in Coastal and Marine System Science, studying under **Dr. Paul Montagna**. I received my masters from Florida State University in Biological Oceanography from Dr. David Thistle. My research interests lie in meiofauna ecology. My master’s thesis was titled “Meiofaunal abundances and faunal similarity on the continental rise off the coast of California. “My dissertation topic will involve study meiofauna ecosystem services.

I am currently participating in the East Asian and Pacific Summer Institute (EAPSI) program in South Korea. I am studying with **Dr. Wonchoel Lee** at Hanyang University. The goal of my project is to learn harpacticoid copepod taxonomy to be used as a valuable tool in my future research.

Kong Qiang

East China Normal University

kongq0903@hotmail.com

My name is Kong Qiang. I am a third-year graduate student in



the Life Science Department at East China Normal University (ECNU). My major is Zoology, studying under Prof. Na Yu and my research interest is “Taxonomy and systematics of freshwater ostracods”.

I visited Laboratory of Biodiversity, Department of life science, Hanyang University during the period from Sep 1 to Nov 27 2013. During this period, I have involved in many scientific activities including morphological and molecular techniques for “Systematic study of Ostracoda” and have participated in the regular seminar series in the laboratory. Special thanks to **Prof. Ivana Karanovic** and **Prof. Wonchoel Lee** for providing appropriate working conditions. I was impressed by their devotion to the science research. I was lucky to know Hyunsu Yoo, Madhuri.S, Vinod.V and other students of Lab. They are the most valuable treasure of my memories.

Travelled to Korea

Prof. Alexei Valerjevitch TCHESUNOV

E-mail: AVTchesunov@yandex.ru



He visited my lab for a period of one month (Mar 2014) to share his knowledge about nematodes to my students; I sincerely thank him for spending his valuable time with us.

He has been working on free-living marine nematodes: morphology, taxonomy and ecology. His current research interest is Deep-sea free-living nematodes: taxonomy, morphology and communities; nematode parasites of marine invertebrates, phylogeny of certain marine, terrestrial and parasitic nematodes.

He is currently working as a professor at Department of Invertebrate Zoology, Faculty of Biology, Lomonosov’s Moscow State University (Moscow, Russia).

Dr. Hendrik Segers

Email: hsegers@gmail.com

I should also thank my colleague who is dealing with rotifer taxonomy. He has visited my lab for two weeks to teach my student about freshwater rotifers. He was actively participated with his admirable presentation on classification and nomenclature of species.



He is currently working in Royal Belgian Institute for natural Sciences, Belgium. He is even involved in many activities as a member in Royal Belgian Zoological Society, Societas Internationalis Limnologiae (SIL) and Society for the Management of Electronic Biodiversity Data (SMEBD).

Obituaries

Love of Meiofauna

Dear Colleagues,

It gives me a great pleasure to introduce you to a new journal that published recently by **Thomas Bartolomaeus**. He paid rich tribute by addressing about the life journey and death of **Dr. Peter Ax** and his contributions to the field of comparative morphology and phylogenetic systematics in interstitial Meiofauna. It would be a great experience to know about the life history of our colleague Peter Ax.

Title: In love of meiofauna, morphology, and Phylogenetic systematics: an obituary for Peter Ax 29.03.1927–02.05.2013. *Zoomorphology* (2014) 133:3–6

Author: Thomas Bartolomaeus

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