



IIMCo 16th International Meiofauna Conference



**CONFERENCE
PROGRAM**

3-8 July 2016 Heraklion / Crete / Greece / Aquila Atlantis Hotel

isimco.hcmr.gr

Preface



The 16th edition of the International Meiofauna Conference, codenamed IçIMCo, is hosted in 2016 by HCMR, the Hellenic Centre for Marine Research and the Institute of Oceanography in Heraklion, Crete, Greece.

Previous conferences have been held in Tunis, Tunisia (1969), York, England (1973), Hamburg, Germany (1977), Columbia, USA (1980), Ghent, Belgium (1983), Tampa, USA (1986), Vienna, Austria (1989), Maryland, USA (1992), Perpignan, France (1995), Plymouth, England (1998), Boston, USA (2001), Ravenna, Italy (2004), Recife, Brazil (2007), Ghent, Belgium (2010) and Seoul, South Korea (2013).

As has been always the case, IçIMCo will once again provide an opportunity for scientists and students from all over the world to present and discuss the latest developments in our tiny but fascinating meiofauna world within the context of a dramatic global change and the world-wide ever-increasing pressures and uses of aquatic ecosystems and resources.

This year, 69 oral and 94 poster presentations are included in the program, which are distributed over 24 countries and 133 corresponding authors. They cover a wide range of different research fields, such as the response of meiobenthos to environmental changes, climate change and acidification, biodiversity and ecosystem function, morphology, phylogeny and biogeography, amongst many other 'hot' topics. They reflect the growing interest and trend in using meiofauna to address larger questions and problems. All in all, IçIMCo is a great opportunity to make our small invisible alien creatures, visible to the outer world.

Nikolaos Lampadariou

Chair of IçIMCo



Organizers



16th International Meiofauna Conference Host Institution



Institute of Oceanography, HCMR Hellenic Centre for Marine Research

Co-organizers



Biology Department,
University of Crete (UoC)



Department of
Marine Studies,
University of Piraeus (UP)



International Association
of Meiobenthologists
(IAM)

Committees



Scientific Committee

Wonchoel Lee, Hanyang University, KOREA
Ann Vanreusel, Ghent University, BELGIUM
Jyotsna Sharma, University of Texas, USA
Vadim Mokievsky, P.P. Shirshov Institute of Oceanology, RUSSIA
Walter Traunspurger, Bielefeld University, GERMANY
Hanan Mitwally, University of Alexandria, EGYPT
Gustavo Fonseca, Universidade Federal de São Paulo, BRAZIL
Nikolaos Lampadariou, Hellenic Centre for Marine Research, GREECE
Katerina Sevastou, Hellenic Centre for Marine Research, GREECE
Vasiliki Kalogeropoulou, University of Crete, GREECE
Anastasios Tselepidis, University of Piraeus, GREECE

Local Organizing Committee

Institute of Oceanography, HCMR

Nikolaos Lampadariou
Katerina Sevastou
Margarita Kagiorgi

Department of Biology, UoC

Vasiliki Kalogeropoulou
Anastasios Eleftheriou

Department of Maritime Studies, UP

Anastasios Tselepidis

Conference Information

General Information

Conference Venue

Aquila Atlantis Conference Centre
Ilgias 2, Heraklion, 712 02, Crete, Greece
Tel. +30 281 022 9103 • <http://www.theatlantishotel.gr/>

Meeting Halls Overview

Function	Hall
Plenary Room	MINOS II
Oral Presentations	MINOS II
Poster	PASIPAHE II
Registration Desk	PASIPAHE II
Coffee Break Area	PASIPAHE II
Light Lunch	ARIADNI

Internet

All participants and guests will have access to free Wi-Fi Internet service.

Registration Desk Opening Hours

Sunday, 3 rd July	17:00 – 19:00
Monday, 4 th July	08:30 – 18:00
Tuesday, 5 th July	08:30 – 18:30
Thursday, 7 th July	08:30 – 17:30
Friday, 8 th July	08:30 – 14:00

Speaker's Desk

Speakers are kindly requested to hand in their presentations to the Organizing Committee:

- For Monday July 4th sessions, until 10:30 of that day
- For sessions from July 5th to July 8th, no later than the day before the presentations are scheduled

Certificate of Attendance

The Certificate of Attendance will be given to registered participants on Friday, July 8th, 2016 at the Registration Desk of the Conference.

Badges

All participants are requested to wear their badges throughout the Meeting in order to be admitted to the lecture halls and other scheduled activities.

Conference Information

Scientific & Technical Information

Social Events

Sunday, 3 July 2016 • 19:30

Welcome and icebreaker reception (For all registered participants)

Heraklion Port

Tuesday, 5 July 2016 • 18:30

Poster Cocktail (For all registered participants)

Aquila Atlantis - PASIPHAE II

Wednesday, 6 July 2016 • 09:00

Daily Excursion *(page 17)

Gortys - Festos - Matala

To book your tickets please contact the Conference Secretariat

Thursday, 7 July 2016 • 19:30

Gala Dinner (For all registered participants)

CretAquarium

Organizing Secretariat



Athens

29 Kosta Varnali St., GR15233 Chalandri, Greece
T: +30 210 6833600, F: +30 210 6847700, Email: congress@pco-convin.gr

Thessaloniki

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- **Program at a glance**

- **Scientific Program**

Monday, 4 July 2016

09:00 - 17:45

Tuesday, 5 July 2016

08:45 - 20:30

Thursday, 7 July 2016

08:45 - 17:30

Friday, 8 July 2016

08:45 - 15:30

Program at a glance

Sunday, July 3rd

17:00	19:00	Registration
19:30	21:30	Welcome Reception

Monday, July 4th

08:30	18:00	Registration
09:00	09:30	Opening Session

Theme: The response of meiobenthos to environmental changes

09:30	10:15	Keynote 1: Richard Warwick. Evolving paradigms: the history of meiofaunal research
10:15	10:45	Coffee Break
10:45	12:45	Patterns & scales
12:45	14:15	Light Lunch
14:15	15:30	... in the deep
15:30	16:00	Coffee Break
16:00	16:45	Prof. Anastasios Eleftheriou. Marine life in Minoan life and culture
16:45	17:45	Climate change & acidification

Tuesday, July 5th

Theme: The role of meiobenthos on ecosystem function

08:45	9:30	Keynote 2: Michaela Schratzberger. Meiofauna matters: the roles of meiofauna in benthic ecosystems
09:30	10:15	Biodiversity and ecosystem function
10:15	10:45	Coffee Break
10:45	11:15	Biodiversity and ecosystem function (continued)
11:15	12:45	Meiofauna in the food webs
12:45	14:15	Light Lunch
14:15	15:30	Meiofauna recovery in case studies
15:30	16:00	Coffee Break
16:00	16:45	Dr. Gareth Owens. The Phaistos code – The enigma of Minoan Crete
16:45	17:30	Meiofauna recovery in case studies (continued)
18:30	20:30	Poster Session

Wednesday, July 6th

09:00	18:00	Daily Excursion: Gortys - Festos - Matala
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Thursday, July 7th

Theme: Taxonomy, systematics and evolution of meiobenthos

08:45	09:30	Keynote 3: Gustavo Fonseca. The contribution of meiofauna to evolutionary ecology
09:30	10:15	Morphology, phylogeny & biogeography
10:15	10:45	Coffee Break & Payment of IAM Membership
10:45	12:45	Morphology, phylogeny & biogeography (continued)
12:45	14:15	Light Lunch
14:15	14:45	Morphology, phylogeny & biogeography (continued)
14:45	15:30	Methodological approaches & taxonomy
15:30	16:00	Coffee Break & Group photo
16:00	17:15	Methodological approaches & taxonomy (continued)
17:30	18:30	IAM Executive Committee Meeting
19:00	22:30	Visit to CretAquarium & Gala Dinner

Friday, July 8th

Theme: The use of meiobenthos on the assessment of environmental impacts

08:45	09:30	Keynote 4: Tom Moens. Experimental elucidation of meiofaunal trophic interactions: from radioactive tracer techniques to next generation sequencing
09:30	10:30	Meiofauna in bioassays
10:30	11:00	Coffee Break
11:00	13:00	Meiofauna in environmental monitoring
13:00	14:15	Light Lunch
14:15	15:30	General Assembly Meeting

17:00 -19:00

Registrations

19:30

Welcome Reception
Heraklion Port



08.30-18.00

Registrations

09.00-09.30

Opening Session

Nikolaos Lampadariou | Chair of IsIMCo

Vasilios Lykousis | Director of the Institute of Oceanography, HCMR

Wonchoel Lee | Chairperson of IAM

THEME: THE RESPONSE OF MEIOBENTHOS TO ENVIRONMENTAL CHANGES

09.30-10.15

Richard Warwick

Keynote 1: Evolving paradigms: the history of meiofaunal research

10.15-10.45

Coffee Break

Patterns & scales

Chair: David Thistle & Christoph Plum

10.45-11.00

(1) Michaela Schratzberger, Piers Larcombe

How do physical dynamics of the seabed at subtidal sandbanks combine to determine the number and type of available niches for meiofaunal nematodes?

11.00-11.15

(2) Birgit Dümmer, Walter Traunspurger

Varying patterns on varying scales: a metacommunity analysis of nematodes in European lakes

11.15-11.30

(3) Kapuli Gani Mohamed Thameemul Ansari, Punyasloke Bhadury

Cyclone-driven variability of marine nematode communities in a tropical lagoonal ecosystem: insight into structural and functional aspect

11.30-11.45

(4) Nancy F. Mercado-Salas, Pedro Martínez Arbizu, Sahar Khodami

Habitat preference analysis of fresh water copepods from the tropical forest of the Yucatan Peninsula, Mexico

11.45-12.00

(5) Pamela M. Brannock, Deric R. Learman, Andrew R. Mahon, Kenneth M. Halanych

Meiofaunal community composition along western Antarctica examined by high-throughput approaches



- 12:00-12:15 **(6) Freija Hauquier, Sofie Derycke, Annelien Rigaux, Bjorn Tytgat, Frederik Leliaert, Elie Verleyen, Ann Vanreusel**
What drives marine nematode species distribution across various spatial scales in Antarctic continental shelf sediments? Insights from community and population genetic analyses
- 12:15-12:30 **(7) Alexandra Ostmann, Pedro Martínez Arbizu**
Using the Random Forest modeling approach to predict meiofauna in Icelandic waters

... in the deep

- 12:30-12:45 **(8) Laurence D. Guidi Guilvard, Stéphane Gasparini**
Deep-sea meiobenthos temporal fluctuations in the NW Mediterranean (DYFAMED-BENTHOS 1993-1995) and impact of a major flood of the Var River

12:45-14:15 **Light Lunch**

... in the deep (continued)

Chair: Anastasios Tselepides & Daniela Zeppilli

- 14:15-14:30 **(9) Katerina Sevastou, Dimitra Mouriki, Vasiliki Kalogeropoulou, Nikolaos Lampadariou, Anastasios Tselepides, Pedro Martinez Arbizu**
Meiofaunal communities in the Levantine Basin (Eastern Mediterranean): the effect of depth and distance-to-coast on distribution patterns
- 14:30-14:45 **(10) David Thistle, Kevin Carman, James Barry, Linda Sedlacek**
Deep-sea harpacticoid copepods: habitat heterogeneity at the 10-km scale on the continental rise off California
- 14:45-15:00 **(11) Lidia Lins, Frederik Leliaert, Torben Riehl, Sofia P. Ramalho, Eliana A. Cordova, André Esteves, Ann Vanreusel**
A multifaceted approach to understanding spatial turnover and connectivity in the deep sea
- 15:00-15:15 **(12) Hidetaka Nomaki, Tomo Kitahashi, Gengo Tanaka, Sachie Sugime, Takashi Toyofuku, Katsunori Fujikura, Shuichi Watanabe**
Metazoan meiofaunal distributions and environmental parameters in the bathyal sediments affected by the 2011 off the Pacific coast of Tohoku earthquake and tsunami
- 15:15-15:30 **(13) Daniel Leduc, Ashley Rowden, Malcolm Clark, Hiroshi Kitazato, Timothy Shank**
Starving in the trenches: is there a link between terrestrial productivity and communities of food-limited hadal habitats?

15:30-16:00 **Coffee Break**

16.00-16.45

Prof. Anastasios Eleftheriou

Marine life in Minoan life and culture

Climate change & acidification

Chair: Tom Moens

- 16:45-17:00 **(14) Anna-Maria Vafeiadou, Chariton Chintiroglou, Tom Moens**
Population dynamics and species interactions of marine nematodes under climate change
- 17:00-17:15 **(15) Matthew R. Lee, Rodrigo Torres, Patricio H. Manríquez**
Shallow-water surf-zone meiofaunal community responses to ocean warming and acidification
- 17:15-17:30 **(16) Barbara Górska, Maria Włodarska-Kowalczyk**
Will the warming influence the size in Arctic meiofauna? Patterns in biomass and production size spectra along the latitudinal gradients (60 – 80 °N)
- 17:30-17:45 **(17) Katja Guilini, Massimiliano Molari, Miriam Weber, Dirk de Beer, Matthias Schneider, Christian Lott, Wanda Bodnar, Thibaud Mascart, Marleen De Troch, Daniel Martin, Antje Boetius, Ann Vanreusel**
Meiofauna at the natural CO₂ vents off Panarea Island, Mediterranean Sea: a proxy for ocean acidification and CO₂ leakage from seabed storage sites



THEME: THE ROLE OF MEIOBENTHOS ON ECOSYSTEM FUNCTION

08:45–09:30

Michaela Schratzberger

Keynote 2: Meiofauna matters: the roles of meiofauna in benthic ecosystems

Biodiversity and ecosystem function

Chair: Richard & Warwick & Walter Traunspurger

09:30–09:45

(18) Paul Somerfield, Sarah Dashfield, Richard Warwick

The structure and organisation of marine benthic communities in relation to body size

09:45–10:00

(19) Elisa Baldrighi, Elena Manini

An observation on the relationship between meiofauna biodiversity and ecosystem functioning at different spatial scales

10:00–10:15

(20) Jozée Sarrazin, Daniela Zeppilli, Ann Vanreusel, Christoph Plum, Florence Pradillon

Meiofaunal colonization processes on organic and inorganic substrata at the Lucky Strike vent field on the Mid-Atlantic Ridge

10:15–10:45

Coffee Break

Biodiversity and ecosystem function (continued)

10:45–11:00

(21) Paris V. Stefanoudis, Andrew J. Gooday

Benthic foraminifera encrusting dropstones in the Porcupine Abyssal Plain, NE Atlantic: notes on their diversity and faunal cover

11:00–11:15

(22) Thierry Jauffrais, Bruno Jesus, Edouard Metzger, Emmanuelle Geslin

Light history effect in a benthic foraminifer, *Haynesina germanica*, kleptoplast photoprotection mechanisms and PSII quantum efficiency

Meiofauna in the food webs

Chair: Richard & Warwick & Walter Traunspurger

11:15–11:30

(23) Marie Zhai, Dana Hřívová, David Výravský, Vanda Rádková, Jindřiška Bojková, Vít Syrovátka, Vendula Polášková, Michal Horsák

Biotic interactions of meiofaunal metacommunities in isolated spring fens (Central Europe): an insight from large scale

- 11:30-11:45 **(24) Thanh-Hien Nguyen, Pierrick Bocher, Pierre-Yves Pascal, Christel Lefrançois, Christine Dupuy**
Meiofauna, a competitive co-habitant or an essential macrofauna sidekick in the French Guiana intertidal mudflats
- 11:45-12:00 **(25) Nabil Majdi, Walter Traunspurger**
Meiofauna at the bottom and top of a stream food web
- 12:00-12:15 **(26) Bianca Kreuzinger-Janik, Nabil Majdi, Walter Traunspurger**
Who feeds on whom? First insights into the food web in mosses
- 12:15-12:30 **(27) Motohiro Shimanaga, Reina Senokuchi, Yuki Uejima, Hidetaka Nomaki, Hiromi Watanabe, Tomo Kitahashi**
Meiofaunal community compositions and their food sources around hydrothermal vents in three seamounts in NW Pacific – copepods like ‘hot’ food, but nematodes do not?
- 12:30-12:45 **(28) An-Sofie D’Hondt, Lander Blommaert, Willem Stock, Koen Sabbe, Tom Moens**
Nematodes stimulate the growth of a mixed diatom biofilm

12:45-14:15

Light Lunch

Meiofauna recovery in case studies

Chair: Michaela Schratzberger & Pedro Martinez Arbizu

- 14:15-14:30 **(29) Annika Janssen, Dmitry Miljutin, Katja Uhlenkott, Carsten Rühlemann, Pedro Martínez Arbizu**
Metazoan meiofauna communities from nodule fields of polymetallic nodules (Clarion-Clipperton Zone, Pacific) and their dependence on abiotic parameters at local and regional scale
- 14:30-14:45 **(30) Uwe Raschka, Pedro Martinez Arbizu**
Recovery of biodiversity in copepods after anthropogenic disturbance in the Clarion Clipperton Fracture Zone
- 14:45-15:00 **(31) Ellen Pape, Amanda Kieswetter, Tania Nara Bezerra, Lara Macheriotou, Pedro Martinez Arbizu, Ann Vanreusel**
Meiofauna in abyssal polymetallic nodule fields: seasonal variability and recovery following anthropogenic disturbance
- 15:00-15:15 **(32) Dimitry Miljutin, Ravail Singh, Pedro Martinez Arbizu**
Slow recovery of abyssal meiofauna 37 years after sediment disturbance (polymetallic nodule field CCZ, Northeastern Pacific)



15:15-15:30 (33) **Daniela Zeppilli, Daniel Leduc**
Deep-sea habitats targeted for mining: state of knowledge of the nematode fauna and their potential as indicators of anthropogenic impacts

15:30-16:00 **Coffee Break**

16:00-16:45 **Dr. Gareth Owens**
The Phaistos code – The enigma of Minoan Crete

Meiofauna recovery in case studies (continued)

16:45-17:00 (34) **John Fleeger, David Johnson, Irv Mendelssohn, Qianxin Lin, Rita Riggio, Donald Deis, Aixin Hou**
Recovery of the saltmarsh meiofauna community following the Deepwater Horizon oil spill

17:00-17:15 (35) **Paul A. Montagna, Jeffrey G. Baguley, Jeffrey L. Hyland, Cindy Cooksey**
Persistent impacts to the deep soft-bottom benthos four years after the Deepwater Horizon event

17:15-17:30 (36) **Katherine R. Beaton, Jyotsna Sharma, Ceil M. Jones, Jonathan M. Miller, Paul M. Stewart, Stephen C. Landers**
Nematode assemblages in the Gulf of Mexico continental shelf collected during a two-year survey

18:30-20:30 **Poster Session**

09:00

Daily Excursion: Gortys - Festos - Matala

The excursion includes:

- Transfer from and to Aquila Atlantis Hotel . Pick Up time 09:00
- Admission to archaeological sites
- English speaking tour guide

1. Departure: 09:00 from Atlantis
2. Arrival in Gortys: 10:30 - 11:30
3. Arrival in Festos: 12:00 - 13:00
4. Arrival in Matala: 13:30
5. Matala free 2 ½ hrs
6. Matala departure: 16:00
7. Atlantis: 18:00

Please contact the Conference Secretariat on site if you wish to purchase a ticket for the excursion. The cost per ticket is €50.



THEME: TAXONOMY, SYSTEMATICS AND EVOLUTION OF MEIOBENTHOS

08:45–09:30

Gustavo Fonseca

Keynote 3: The contribution of meiofauna to evolutionary ecology

Morphology, phylogeny & biogeography

Chair: Martin V. Sørensen & Kai Horst George

09:30–09:45

(37) Worsaae Katrine

How small animals provide clues to large-scale questions

09:45–10:00

(38) Nicolas Bekkouche, Katrine Worsaae

Open questions on the evolution of the inner anatomy of Gastrotricha illustrated with the case study of the early branching *Diuronotus aspetos*

10:00–10:15

(39) Nelly G. Sergeeva, Derya Ürkmez, Tatyana N. Revkova

Morphological abnormalities observed in free-living nematodes from the Black Sea

10:15–10:45

Coffee Break & Payment of IAM Membership

Morphology, phylogeny & biogeography (continued)

10:45–11:00

(40) Niels Van Steenkiste, India Stephenso, Greg Gavelis, María Herranz, Davis Iritani, Brian S. Leander

A symbiotic partnership between diatoms and rhabdocoel flatworms

11:00–11:15

(41) Christopher Laumer, Katrine Worsaae, Gonzalo Giribet

Phylogenetic and genomic insights on the origins of meiofaunal Spiralia

11:15–11:30

(42) Fabio Scarpa, Daria Sanna, Piero Cossu, Tiziana Lai, Marco Curini-Galletti, Marco Casu

Meiofaunal cryptic species challenge species delimitation: the case of the *Monocelis lineata* (Platyhelminthes: Proseriata) species complex

11:30–11:45

(43) Alexander Kieneke, Diego Fontaneto

Integrative taxonomy and phylogeography of *Dactylopodola typhle* (Gastrotricha): evidence for a species complex?

11:45–12:00

(44) Maria Herranz, Niels Van Steenkiste, Brian Leander

Can disjunct distributions in kinorhynchs be explained by introduction events?
The biogeographical story of *Echinoderes ohtsukai*

- 12:00-12:15 **(45) Magali Schweizer, Sophie Quinchar, Hugo Saur, Jassin Petersen, Anaïs Guihéneuf, Frans Jorissen**
European invasion of an Asian phylotype from a cryptic species of benthic foraminifera (*Ammonia tepida*): identifying and dating the event
- 12:15-12:30 **(46) Francesca Leasi, Joseph Sevigny, Jordan Ramsdell, Stephen Simpson, Krystalynne Morris, Jon Norenburg, Thomas Kelley**
Genome divergence in meiofaunal populations separated by the Panama Isthmus
- 12:30-12:45 **(47) Jon Norenburg, Francesca Leasi**
The nemertean marine mesopsammic genus *Ototyphlonemertes* is everywhere but its species are not

12:45-14:15

Light Lunch

Morphology, phylogeny & biogeography (continued)

Chair: Gustavo Fonseca & Vadim Mokievsky

- 14:15-14:30 **(48) Süphan Karaytuğ**
Resolving the *Lourinia armata* complex with remarks on the monophyletic status of Louriniidae (Copepoda, Harpacticoida)
- 14:30-14:45 **(49) Pedro Martínez Arbizu, Sahar Khodami**
First parasitic Aegisthidae Giesbrecht, 1893 (Copepoda: Harpacticoida) showing extraordinary convergent evolution with Siphonostomatoida and its phylogenetic position within the family

Methodological approaches & taxonomy

Chair: Gustavo Fonseca & Vadim Mokievsky

- 14:45-15:00 **(50) Oleksandr Holovachov**
Metabarcoding of marine nematodes from a taxonomist's perspective
- 15:00-15:15 **(51) Sven Rossel, Pedro Martínez Arbizu**
Rapid identification of meiofauna species (Copepoda: Harpacticoida) using MALDI-TOF MS
- 15:15-15:30 **(52) Vadim Mokievsky, Tania Nara Bezerra, Gustavo Fonseca, Katja Guilini, Oleksandr Holovachov, Daniel Leduc, Dmitry Miljutin, Jyotsna Sharma, Nic Smol, Alexey Tchesunov, Ann Vanreusel**
NeMys – nematodes taxonomic system in context of marine nematodes ecology



15:30-16:00

Coffee Break & Group photo

Methodological approaches & taxonomy (continued)

- 16:00-16:15 **(53) Tania Nara Bezerra, Rita de Cássia Coelho Lima, Lidia Lins, Francesca Pasotti, Maria Cristina da Silva, André Esteves, Ann Vanreusel, Tom Moens**
Global-scale distribution of *Microaimus* de Man, 1880 with updated list of valid species
- 16:15-16:30 **(54) Alexey V. Tchesunov, Vadim O. Mokievsky, Kai Horst George**
Nematode species and assemblages on Northeast Atlantic seamount Great Meteor
- 16:30-16:45 **(55) Karin Pointner, Kai Horst George**
Meiofaunal community structures on the plateau of the Great Meteor Seamount (northeastern Atlantic Ocean) with a closer look to Polychaeta and Harpacticoida (Copepoda, Crustacea)
- 16:45-17:00 **(56) Martin V. Sørensen**
Kinorhyncha from the Gulf of Mexico, with a report of two new species
- 17:00-17:15 **(57) Jung-Ho Hong, Wonchoel Lee**
A taxonomical study of the free-living marine nematodes in the family Comesomatidae and Enchelidiidae from the sublittoral zone of Korea

17:30-18:30

IAM Executive Committee Meeting

19:00-22:30

Visit to CretAquarium & Gala Dinner

THEME: THE USE OF MEIOBENTHOS ON THE ASSESSMENT OF ENVIRONMENTAL IMPACTS

08:45-09:30

Tom Moens

Keynote 4: Experimental elucidation of meiofaunal trophic interactions: from radioactive tracer techniques to next generation sequencing

Meiofauna in bioassays

Chair: John Fleeger & Ann Vanreusel

09:30-09:45

(58) Fabiane Gallucci, Ítalo Castro, Denis Abessa, Fernando Perina, Amanda Teixeira, Guacira Eufrazio, Ana C. Chaaban

The microcosm approach using meiofauna as an imminent tool for ecotoxicological studies

09:45-10:00

(59) Arne Hägerbäumer, Sebastian Höss, Peter Heininger, Walter Traunspurger

Comparing ecotoxicological methods from single-species bioassays to model ecosystems

10:00-10:15

(60) Luana Monteiro, Tom Moens, Walter Traunspurger

Investigating inorganic and organic contaminant effects in free-living nematodes: a multifaceted approach combining single-species and community assays

Meiofauna in environmental monitoring

Chair: John Fleeger & Ann Vanreusel

10:15-10:30

(61) Sebastian Höss, Marvin Brinke, Arne Hägerbäumer, Evelyn Claus, Peter Heininger, Walter Traunspurger

Considering cohesive sediments for the chemical and ecological status of aquatic ecosystems – new lines of evidence for a Weight-of-Evidence (WoE) approach based on nematodes

10:30-11:00

Coffee Break



Meiofauna in environmental monitoring (continued)

- 11:00-11:15 **(62) Alves Ana Sofia**
How useful can free-living marine nematodes be for Ecological Quality Status (EQS) assessment in transitional waters?
- 11:15-11:30 **(63) Federica Semprucci, Maria Balsamo**
Application of free-living marine nematodes as ecological indicators according to European directives
- 11:30-11:45 **(64) Christine Barras, Frans Jorissen, Briz Parent, Erica Bicchi, Magali Schweizer**
Development of a benthic foraminiferal index of environmental quality for the French Mediterranean coast
- 11:45-12:00 **(65) Teresa Radziejewska, Brygida Wawrzyniak-Wydrowska, Bartosz Bieniek, Anna Skrzypacz, Marcin Wroniecki**
Responses of meiobenthic communities to sedimentary habitat alteration by dredging waste dumping: a southern Baltic example
- 12:00-12:15 **(66) Hanan Mitwally**
Short-term Coastal Zone Management elicits some responsive evidences by benthic fauna at Lake Maryut, Alexandria – Egypt Case Study
- 12:15-12:30 **(67) Jordana Branco, Sílvia Pedro, Patrick Materatski, Ricardo Pires, Carlos Ribeiro, Isabel Caçador, Helena Adão**
Enzymatic activity on sediments and nematode assemblage responses during seagrass beds habitat recovery following the disturbance of the traditional digging activity of bivalve harvesting
- 12:30-12:45 **(68) Vasiliki Kalogeropoulou, Irini Tsikopoulou, Margarita Kagiorgi, Panagiotis D. Dimitriou, Iliana Santi, Paraskevi Pitta, Ioannis Karakassis**
Responses of meiobenthic assemblages to nutrient enrichment: a benthic mesocosm experiment
- 12:45-13:00 **(69) Alexey Kotov**
Phylogeny and distribution patterns of benthic freshwater Cladocera (Crustacea) confirm antiquity of their mode of life

13:00-14:15

Light Lunch

14:15-15:30

General Assembly Meeting

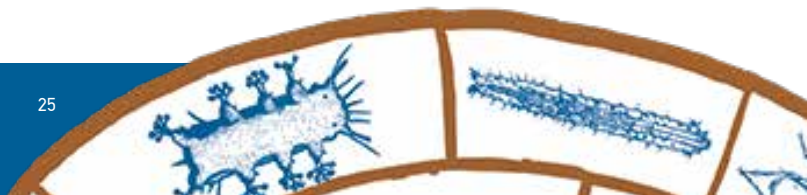
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- PP01** Vasilis Gerovasileiou, Katerina Sevastou, Nikolaos Lampadariou, Nicolas Bailly. The Greek Taxon Information System in LifeWatchGreece Research Infrastructure: construction of the preliminary checklists of meiobenthic taxa of Greece
- PP02** Alejandro Martínez, Vasilis Gerovasileiou, Fernando Álvarez, Geoff Boxshall, William F. Humphreys, Damià Jaume, Thomas M. Iliffe, Nicolas Bailly, Diego Fontaneto, Katrine Worsaae. World Register of marine Cave Species (WoRCS): a tool for investigating meiofaunal diversity in marine and anchialine subterranean systems
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- PP05** Fabio Scarpa, Daria Sanna, Piero Cossu, Tiziana Lai, Marco Curini-Galletti, Jon Norenburg, Marco Casu. An 18s and 28s-based clock calibration for marine Proseriata (Platyhelminthes)
- PP06** Julian P.S. Smith III. Evolution and biomechanics of the male copulatory organ in Schizorhynchia (Platyhelminthes: Kalyptorhynchia)
- PP07** Maria Herranz, Martin V. Sørensen, Maikon Di Domenico, Brian Leander. The structure and function of an enigmatic 'dorsal organ' in the kinorhynch *Cateria styx*
- PP08** Alexandra Kerbl, Markus Conzelmann, Gáspár Jékely, Katrine Worsaae. Detailed reconstructions of the brain structure and neurotransmitter reactivity in three species of meiofaunal Dinophilidae (Annelida) reveals unexpected high organizational variation
- PP09** Alexander Kieneke, Hadiseh Nikokar. Integrative re-description of *Turbanella hyalina* (Gastrotricha: Macrotrichida) as baseline for future phylogeographic studies
- PP10** André R.S. Garraffoni, Thiago Q. Araujo, Anete P. Lourenço, Loretta Guidi, Maria Balsamo. Are freshwater Macrotrichida as rare as previously thought? Integrative taxonomy identifies a new taxon of Gastrotricha Macrotrichida
- PP11** Thiago Q. Araujo Rick Hochberg, André R. S. Garraffoni. Phylogenetic analysis of *Xenotrichula* (Xenotrichulidae: Gastrotricha) based on morphological data
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- PP13** Nikolaos V. Schizas, Hans-Uwe Dahms, Paulo H. C. Corgosinho. Is the mitochondrial Cytochrome Oxidase subunit I, a useful phylogenetic marker in Copepoda?
- PP14** Kai Horst George. Phylogenetic revision of the taxon *Paralaophontodes* Lang (Copepoda: Harpacticoida: Laophontodinae)



- PP15** **Kai Horst George**. A new species of *Paralaophontodes* Lang (Copepoda: Harpacticoida: Laophontodinae) of Chiloé Island (Chile)
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- PP18** **Jisu Yeom, Wonchoel Lee**. A new species of the genus *Sarsamphiascus* Huys, 2009 (Copepoda: Harpacticoida: Miraciidae) from a sublittoral zone of Hawaii
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- PP33** **Derya Ürkmez, Lukasz Kaczmarek, Murat Sezgin, Krzysztof Zawierucha, Milena Roszkowska, Marta Ostrowska.** A new record of water bears from Turkey, *Megastygarrctides setoloso* Morgan & O'Reilly, 1988 (Tardigrada: Arthrotardigrada)
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- PP45** **Teresa Radziejewska, Anna Skrzypacz, Brygida Wawrzyniak-Wydrowska.** Non-calcareous foraminifera in the near-shore sediment of the Pomeranian Bay (southern Baltic Sea): a poorly known component of the Baltic Sea benthic biodiversity
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- PP50** Ibrahim Öksüz, Murat Sezgin, Derya Ürkmez, Melek Ersoy Karaçuha. The relationship between sediment grain size and the distribution of living benthic foraminifera in Sinop Bay (Black Sea, Turkey)
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- PP74** Rodgee Mae E. Guden, Anna-Maria Vafeiadou, Nele De Meester, Annelien Rigaux, Sofie Derycke, Tom Moens. Co-occurrence of cryptic nematode species: true coexistence or mediated by differential microhabitat preferences?
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