

# Best poster presentation award 2012

## VLIZ Young Marine Scientists' Day

KHBO, Brugge (24 February 2012)

The possibility to explore the 65 posters will be given from 14:10 onwards. Kindly tick your **top three** and turn in the forms in one of the three boxes provided for this purpose or at the registration desk by 15:30 o'clock at the very latest.

1	<b>De Maerschalck Bart, Joris Vanlede, Arvid Dujardin and Toon Verwaest</b> Detailed Hydrodynamic Model for the Port of Zeebrugge: a numerical tool as part of an integral approach for accessibility and safety studies
2	<b>Lee Byung Joon, Michael Fettweis and Erik A. Toorman</b> Heterogeneous flocculation combining the biological and mineralogical populations in a marine and coastal environment: literature study for a conceptual model
3	<b>Leysen Gert, Joris Vanlede, Davy Depreiter, Niels Jespers, Peter Viaene, Boudewijn Decrop</b> Storm surge prediction in the Belgian coastal zone
4	<b>Van den Eynde Dries and Michael Fettweis</b> Towards an operational sediment transport model for optimizing dredging works in the Belgian Coastal Zone
5	<b>Durango-Cordero Juan Sebastián, Behara Satyanarayana, Javy Zhang, Jihuai Wang, Michael Chen, Xu Fanghong, Jonathan C.W. Chan, Lin Kangying, Jan Bogaert, Nico Koedam and Farid Dahdouh-Guebas</b> Vegetation structure at Zhanjiang Mangrove National Nature Reserve (ZMNNR), P.R. China: comparison between original and non-original trees using ground-truth, remote sensing and GIS techniques
6	<b>Fettweis Michael, Quinten Vanhellemont, Frederic Francken</b> Very high SPM concentrations in the southern Bight of the North Sea detected from space
7	<b>Vanhellemont Quinten and Kevin Ruddick</b> A gridded archive of remote sensing data for Belgian waters
8	<b>Huynh Hong-Ngu. T., Aida Alvera-Azcarate, Alexander Barth and Jean-Marie Beckers</b> Reconstruction of the long-term satellite-derived sea surface temperature including error maps in the South China Sea
9	<b>Troupin Charles, Alexander Barth, Aida Alvera-Azcárate, Damien Sirjacobs, and Jean-Marie Beckers</b> Viewing through the clouds in satellite images
10	<b>Matthijs Michiel, Michele Fabris, Gino Baart, Alain Goossens, Wim Vyverman</b> Enhancing diatom lipid production through metabolic engineering, first phases
11	<b>Allewaert Céline, Annick Verween and Wim Vijverman</b> EU FP7 BAMMBO: sustainable production of biologically active molecules of marine based origin
12	<b>Soetaert Maarten, Hans Polet, Annemie Decostere, Marieke Desender and Koen Chiers</b> Flatfish fishery: impact & challenges
13	<b>Desender Marieke, Hans Polet, Koen Chiers, Maarten Soetaert and Annemie Decostere</b> Evaluation of the impact of electro shrimp trawl fishery

14	<b>Fierens Rachel and Crab Florian</b> Expanding the economic lifespan of PSPC15 from 15 to 25 years by means of on board restorations
15	<b>Deruytter David, Michiel Vandegheuchte and Colin Janssen</b> Physiological effects of a marine algal toxin on a primary consumer: tales of the unexpected
16	<b>Van Cauwenberghe Lisbeth, Michiel Claessens, Michiel Vandegheuchte and Colin Janssen</b> Occurrence of microplastics in mussels ( <i>Mytilus edulis</i> ) and lugworms ( <i>Arenicola marina</i> ) collected along the French-Belgian-Dutch coast
17	<b>Vandegheuchte Michiel, Jan Garrevoet, Lien Nguyen, Karel De Schamphelaere, Laszlo Vincze and Colin Janssen</b> Addressing emerging issues in marine metal ecotoxicology with novel analytical techniques
18	<b>Loaiza Iván, Miglio María and Mendo Jaime</b> Bioaccumulation of cadmium and lead in scallop <i>Argopecten purpuratus</i> (Lamarck, 1819) in bottom culture, at Sechura Bay
19	<b>Malambala Enos and Marc Elskens</b> Modelling the chemical speciation of trace metals in surface waters of the river Zenne
20	<b>Mbugani John, Lieven Bervoets and Valentine Kayawe Mubiana</b> A survey of metal contamination in small urban rivers around the city of Dar es salaam (Tanzania); Prevailing levels in sediment, water and implications for bioaccumulation in invertebrates and fishes
21	<b>Roukaerts Arnout and Frank Dehairs</b> Nitrogen fixation in the Northeast Atlantic Ocean
22	<b>Ndegwa Gladys, Kairo James and Koedam Nico</b> On the hidden half: Testing precision of techniques used in estimating below ground biomass in mangrove forests
23	<b>Devriese Lisa, Karen Bekaert, Mattias Bossaer and Johan Robbens</b> Patterns and prevalence of marine fish diseases and parasites
24	<b>Hoffman Stefan, Lies Vansteenbrugge, Umberto Binetti, Karl Van Ginderdeuren, Kris Hostens, and Johan Robbens</b> Risk assessment of non-indigenous marine invaders: a combined approach of morphological and molecular analysis allowed unambiguous identification of the comb jelly <i>Mnemiopsis leidyi</i> in the Belgian Part of the North Sea (BPNS)
25	<b>Benítez-Capistrós Francisco, Jean Hugé and Nico Koedam</b> Environmental impacts on the Galapagos Islands: Identification of interactions, perceptions and steps forward
26	<b>Tran Van Thi, Loc Le Minh, Tamara Van Dam, Farid Dahdouh Guebas and Nico Koedam</b> Evolution of mangrove area in a war and land use change affected region of Vietnam (Ca Mau) over a 60 year period

27	<b>Muchwe M., N. Koedam, M.O.S. Mohamed and F. Dahdouh-Guebas</b> Mangrove species turnover in Mida Creek over a period of 12 years
28	<b>Mukherjee Nibedita, Nico Koedam and Farid Dahdouh-Guebas</b> Multifunctionality in mangrove ecosystems: the social network approach
29	<b>Cransveld Alice, Das Krishna, Denoël Mathieu, Vermeulen Els</b> Habitat use and implications for the conservation of a population of bottlenose dolphins, <i>Tursiops truncatus</i> , in the San Antonio Bay, Rio Negro province, Argentina
30	<b>Braeckman Ulrike, Maryam Yazdani Foshtomi, Dirk Van Gansbeke, Karline Soetaert, Filip Meysman, Magda Vincx, Jan Vanaverbeke</b> FLUXMAP: an ecosystem functioning map of the Belgian part of the North Sea
31	<b>Reubens Jan, Steven Degraer and Magda Vincx</b> The secret life of Atlantic cod ( <i>Gadus morhua</i> ) at a wind farm in the Belgian part of the North Sea: where ecology meets economy
32	<b>Rumes Bob, Marisa Di Marcantonio &amp; Brigitte Lauwaert</b> Assessing the environmental impact of offshore wind farms in the Belgian part of the North Sea
33	<b>De Winter Kevin and Marc Kochzius</b> Identifying commercial fish species and detection mislabeling using DNA barcoding
34	<b>Van de Walle Samuel, Jochen Depestele, Hans Polet, Kris Van Craeynest and Magda Vincx</b> Subsampling beam trawl catches: a necessary evil
35	<b>Stamoulis Antonios, Adriaan D, Rijnsdorp, Vassiliki Vassilopoulou and Els Torreele</b> Assessing the impact of fisheries on demersal resources using ecosystem-based indicators
36	<b>Van Bogaert Noëmi, Jan-Jaap Poos, Kelle Moreau, Sara Vandamme, Els Torreele and Marijn Rabaut</b> Modelling available data for turbot ( <i>Psetta maxima</i> ) in the Irish and Celtic Seas : a first step towards sustainable management? (poster - kan niet deelnemen aan oral presentation)
37	<b>Willems Tomas, Annelies De Backer, Kris Hostens and Magda Vincx</b> An ecosystem approach to fisheries: the seabob shrimp in Surinam
38	<b>Smolders Sven, Stefaan Ides, Yves Plancke, Patrick Meire and Stijn Temmerman</b> Morphological management as a tool to optimize the three main functions of the Scheldt Estuary: safety, accessibility and ecology
39	<b>Vanden Eede Sarah and Magda Vincx</b> Can we protect our coastline and the beach ecosystem at the same time?
40	<b>Leewis Lies, Peter M. van Bodegom, Jelte Rozema, Gerard M. Janssen</b> Long term beach nourishment impacts in interaction with environmental factors on the abundance of four dominant intertidal macro invertebrate species
41	<b>Coates Delphine, Vanaverbeke Jan and Vincx Magda</b> A historical view of the macrobenthic communities on the Thorntonbank and Goote Bank

42	<b>Sahraeian Narjes, Hosein Negarestan, Tania Campinas-Bezerra and Tom Moens</b> Nematode community structure and diversity on intertidal beaches at Bandar Abbas (Persian Gulf)
43	<b>Taheri Mehrshad, Ulrike Braeckman, Magda Vincx and Jan Vanaverbeke</b> Short-term hypoxia does not affect nematode densities and vertical distribution patterns at the Belgian Part of the North Sea
44	<b>Yazdani Maryam, Ulrike Braeckman, Sofie Derycke, Melanie Sapp, Anne Willems, Magda Vincx and Jan Vanaverbeke</b> Linking microbial and macrofaunal diversity with benthic ecosystem functioning of the Belgium parts of the North Sea
45	<b>Ranschaert Michel and David Van Rooij</b> Investigating the influences of rapid climate change on the Moroccan Atlantic slope during Marine Isotope Stage 3
46	<b>Van de Putte Sophie and David Van Rooij</b> Spatial and temporal evolution of the Le Danois Contourite Depositional System, Southern Bay of Biscay
47	<b>Papili Sonia and Thomas Wever</b> STORMS: a challenge of knowledge
48	<b>Oosterlee L., W. Vandenbruwaene, S. Temmerman and P. Meire</b> Comparison of sedimentation in CRT (Controlled Reduced Tide) and RTE (Regulated Tidal Exchange) restored sites along the Schelde Estuary
49	<b>Geerts Lindsay, Koen Ooms, Tom Maris and Patrick Meire</b> Oxygen, an algae growth inhibitor in the historical Schelde?
50	<b>Wang Chen and Stijn Temmerman</b> Does alternative stable states theory and catastrophic shift theory apply for bare intertidal flats and vegetated marshes?
51	<b>De Meester Nele, Sofie Derycke and Tom Moens</b> To stay or go: differential dispersal rates in cryptic species of a marine nematode
52	<b>Laitat K., M. Collard, L. Moulin, A.I. Catarino, Ph. Grosjean and Ph. Dubois</b> Buffer capacity of the coelomic fluid in echinoderms
53	<b>Vanelslander Bart, Franziska Ruëdiger, Ulf Karsten, Koen Sabbe and Wim Vyverman</b> Thermal niche evolution in the marine diatom genus <i>Cylindrotheca</i>
54	<b>Vanstechelman Ives, Marnik Vuylsteke, Pieter Vanormelingen, Wim Vyverman and Koen Sabbe</b> Identification of the mating type locus in pennate diatoms
55	<b>Carmen David and Jean-Phillipe Labat</b> Micronecton analysis from the insular shelf of the Kerguelen Islands: the amphipod <i>Themisto gaudichaudii</i> 's case
56	<b>Otwoma Levy and Marc Kochzius</b> Genetic population structure of the blue starfish <i>Linckia laevigata</i> in the Western Indian Ocean
57	<b>Huyghe Filip and Marc Kochzius</b> Connectivity of <i>Amphiprion akallopisos</i> (Skunk anemone fish) in the Indian Ocean
58	<b>Mascaux Nemo, Farid Dahdouh-Guebas<sup>1,2</sup> and Marc Kochzius<sup>2</sup>, Sara Fratini, Stefano Cannicci, Jared O. Bosire (Kenya), Mohd. Lokman Husain (Malaysia), and Javy Zhang and Carine Bourgeois (China).</b> Connectivity of <i>Scylla serrata</i> in Kenya and the Indian Ocean

59	<b>Ratsimbazafy Hajaniaina A. and Marc Kochzius</b> Genetic population structure and connectivity of the mud creeper <i>Terebralia palustris</i> (Linnaeus, 1767) in Kenya and Madagascar
60	<b>Quisthoudt Katrien, Rajkaran Anusha, Dahdouh-Guebas Farid and Koedam Nico</b> Specific temperature requirements for different vegetation formations of mangroves along its North-South distribution towards its upper latitudinal limit in South-Africa
61	<b>Satyanarayana Behara, Akkur V. Raman<sup>3</sup>, Chaganti Kalavati, B.R. Subramanian and Farid Dahdouh-Guebas</b> Coringa mangroves in relation to local environmental conditions on the East coast of India
62	<b>Van Nederveelde F., N. Koedam, J. Bosire, U. Berger, S. Cannicci F. Dahdouh-Guebas</b> Spatial correlation between macro-fauna, vegetation structure and soil conditions in tropical coastal forest
63	<b>Ximenes A.C., N. Koedam and F. Dahdouh-Guebas</b> Fundamental niche of the trees in mangrove forests
64	<b>Van der Stocken Tom, Dennis De Ryck, Diana Di Nitto, James Gitundu Kairo, Farid Dahdouh-Guebas &amp; Nico Koedam</b> Floating with seeds: understanding hydrochorous mangrove propagule dispersal – a field and modeling approach
65	<b>Oste Jorien, Koedam Nico, Robert Elisabeth and Schmitz Nele</b> Growth and structural changes of viviparous mangrove propagules: the effect of environment on dispersal and establishment