

SECOND CONFERENCE OF
THE EUROPEAN FEDERATION
OF MARINE SCIENCE AND TECHNOLOGY SOCIETIES

EFMS

**The Significance of Marine Science
and the Role of Marine Scientists
in Present-day Europe**

BOOK OF ABSTRACTS

*Athens 15-16 October 2010
organized by the
Hellenic Oceanographers' Association*



Table of contents

Title	Authors	Page
The study of the pollution of the Mar Menor lagoon by heavy metals	Dassenakis M., Filippi G.	4
When curiosity meets experience, where freshmen meet professionals – An approach to sustainable interdisciplinary and inter-generational knowledge exchange in marine sciences	Einsporn M.	5
Vulnerability of tsunami waves hazards in the south coast of Crete	Flouri E., Kaligeris N., Alexandrakis G., Kampanis N., Synolakis C.	6
Geochemistry of surface sediments from the Astros Bay, Eastern Peloponnese	Gorreja A., Kapsimalis V., Panagiotopoulos I., Kyriakidou H., Antoniou P., Merkouris P., Pavlopoulos K.	8
Development and applications of the Southampton Continuous Autonomous Water Sampler (SCAWS)	Gkritzalis T., Palmer M., Mowlem M., Achterberg E., Lampitt R., Fones G., Tranter M.	10
Investigation of river outflow dynamics using satellite data. North Aegean case.	Kotoulas A., Pasalidis L., Androulidakis Y., Krestenitis Y.	11
Record size of the rare shark <i>Oxynotus centrina</i> (Chondrichthyes: Oxynotidae) in the Greek seas	Kousteni V., Megalofonou P.	12
Quality assessment of sediments from the Salamis Island main Port (Saronic Gulf)	Panagiotopoulos I., Kapsimalis V., Hatzianestis I.	13
Benthic bacterial response to nutrient-rich riverine waters under gradually changing dissolved oxygen concentrations. Results of a simulating experiment.	Parinos K., Dassenakis M.	15
Marine diatoms and their potential role in cadmium distribution at coastal margins	Parinos K., Dassenakis M.	17
Current status and future coastline retreat due to anticipated sea-level rise in the case of tideless beach zones exposed to high wave energy. Case study of the Almiros Bay, N. Crete, Aegean Sea.	Petrakis S., Alexandrakis G., Poulos S.	19
Offshore / nearshore wave characteristics related to a strong event of the Etesian winds, with application to the north Cretan coast (South Aegean Sea).	Poulos S., Plomaritis C., Ghionis G., Kennedy L., Collins M.	20
Composition and structure of the epipelagic fauna of mesozooplankton of the Aegean Sea.	Protopapa M., Siokou-Frangou I., Verroioopoulos G.	21
Trace Metals and PAHs levels in the Gulf of Souda, Northern Cretan Sea	Rousselaki E., Petrocheilou M., Dassenakis M.	22
Metal accumulation and partitioning in the tissues of four marine bivalves from different Mediterranean microenvironments	Sakellari A., Karavoltos S., Dassenakis M., Scoullou M.	24
Spatial-temporal structure of sound scattering layers at the Aegean Sea in autumn and spring periods	Sibirtsova E.	26
Description of bacterial association with two	Skaraki K., Kotoulas G.,	27