



Ministry of Higher Education
& Scientific Research
of the Arab Republic of Egypt



Faculty of Marine
Science, Suez Canal
University



**INTERNATIONAL WORKSHOP ON
"INTEGRATED COASTAL ZONE MANAGEMENT"**

**ATELIER INTERNATIONAL SUR
GESTION INTÉGRÉE DES ZONES CÔTIÈRES**

PROCEEDINGS



IMST- INOC 2009

International Workshop on
"Integrated Coastal Zone Management"

Gestion intégrée des zones côtières





Izmir-TURKEY, 20-22 October 2009

TABLE of CONTENTS	
	Page
<u>PART I : SUMMARY REPORT</u>	
OPENING OF THE WORKSHOP.....	08
ORGANIZATION OF THE WORKSHOP & PRESENTATION OF PAPERS.....	09
RECOMMENDED NEAR-TERM ACTIONS.....	10
CLOSING SESSION	10
<u>PART II : PAPERS PRESENTED</u>	
Theme 1 : Coastal habitats	
Najib EL OUAMARI, Mohammed MELHAOUI & Abdellatif BERRAHOU -Morocco Etude de la pêche de la besugue " Pagellus acarne ", Risso 1826 de la Méditerranée marocaine.	12
Sidi Malainine MALAININE, Abdelghani Chafik' Abderrahman Bernoussi - Morocco Surveillance de la qualité microbiologique du milieu Littoral – Région de Laâyoune et Boujdour.	21
Amir IBRAHIM-Syria Habitat classification along the Syrian coast and the required management measures.	28
Reza TAMARTASH, Mohammad reza Tatian , Maedeh Yousefian -Iran Investigation of plant diversity in Khazar coastal habitat (Case study: Miankaleh biosphere reserve, Iran).	33
Christine PERGENT, R. LEONARDINI, C. F. BOUDOURESQUE, S. EL ASMI, A. GANNOUN, G. P-MARTINI-FRANCE State of knowledge on the geographical distribution of seagrasses in the Mediterranean Sea.	37
Shima MADANI- Iran The importance of coral reefs habitat on fisheries in Persian Gulf, IRAN.	42
Matallah- BOUTIBA A, Kherraz A. et Boutiba Z.- Algeria Inventaire du peuplement fongique du littoral occidental algérien et évaluation de leur potentiel toxigène vis-à-vis d'un crustacé: <i>Artemia salina</i> .	50

ANGONI Hyacinthe	56
Les tortues marines et la conservation de l'environnement le long de la cote a la façade Atlantique du Park national de Campo MA'AN et de la reserve de DOUALA EDEA au CAMEROUN.	
OULD AHMED NORA-Algeria	63
Présence d'une nouvelle espèce d'algue invasive et toxique: <i>Caulerpa racemosa</i> sur les côtes algérienne	
Abdelhak CHERGUI, Latifa EL HAFID & Mohammed MELHAOUI – Morocco	69
Présence d'une nouvelle espèce d'algue invasive et toxique: <i>Caulerpa racemosa</i> sur les côtes algérienne	
E.KOOCHAKNEJAD, S.Dehghan-Madiseh, A.Savari, GH.Eskandari, N.Sakhaiee –Iran	77
Fish larvae assemblage in the Northwestern coast of Persian Gulf (East & West of Khowr-E-Mussa Channel).	
Bariş UZILDAY, Fethi Bengil & Mehmet Sıki –Turkey	83
Spatial inventoring of avifauna for Coastal Zone Management: A case study in Küçük Menderes Delta.	
Mahnaz RABBANIHA, Fereidoon Owfi, Mohsen Norinejad – Iran	86
Distribution patterns of fish larvae in Iranian coralline protected area islands and islets ecosystems and habitats of the Persian Gulf by GIS.	
Khalid EL BEKKAYE& Mohammed MELHAOUI –Morocco	95
Biodiversité des bivalves de la Méditerranée orientale du Maroc.	
Fouad ABDELGHANI, F.; ZELMAT, KH. and BOUTIBA, Z.-Algeria	103
Biometric study of small dogfish <i>Scyliorhinus canicula</i> Linnaeus 1758 from the bay of Oran-ALGERIA.	
Abdelkader YAACOUBI, L. EL HAFID, B. HALOUI et M. MELHAOUI – Morocco	111
Réhabilitation de la juniperaie de Saida : Un écosystème côtier de la Méditerranée marocaine en extinction.	
Maryam SHAPOORI, Arash Javanshir, M.Reza Nikbin Azmoudeh- Iran	121
Phytoplankton primary production and distribution in south Caspian Sea basin estuary.	
Theme 2 : Remote sensing & GIS	
A. GHEIBY, Ayatollah REZAAE- Iran	123
Sea surface temperature retrievals from AMSU data using an inversion neural network method.	
A. SBAI , AL MOUBTAHIJ,M, BENRBIA,K, MEZRHAB,H & MELHAOUI,M -Morocco	133
Apport des SIG et de la télédétection dans l'étude des mutations socio-spatiales du littoral méditerranéen oriental (Cas de Saida- Ras El Ma).	
Gérard PERGENT, Y. Aktan, S. Belbacha, A. Djellouli, R. D. de la Grandrive, E. Elagil, S. EL ASMI, A.C. GUCU, H. LANGAR, S. LAOUAR, C. PERGENT-MARTINI, R. SEMROUD, M. SHERIF -France	144
Setting up the MedPosidonia programme in the Mediterranean Sea.	
Mohammad Reza MALEK, Anahid Basiry, Shamsolmolook Aliabadi - Iran	153
Rough topological relationships for marine and coastal environment.	
Bachari HOUMA. F. T.TOUAHRIA, F. MADI , N.BACHARI - -Algeria	161
Surveillance du Phytoplancton et Modélisation de la Couleur des Eaux Marines : Une Contribution à La Gestion Intégrée de la Zone Côtière Algéroise.	
Rachida HOUSSA, A. Lakhnigue, A. Marhoum, H.Chfiri, K.Oakka, H.Gourich and H.Elwazzani- Morocco	173
The use of model FAST to analyze spatial correlation between fishing effort and resource distribution: case of seiners' fleet fishing in the Moroccan Atlantic Sea.	

Saeed MOGHIMI, Hamid Reza Qaienee, Omid Alemi-Iran Developing wave forecasting model for Caspian Sea using parallel processing technology.	182
N.E.I BACHARI, Khelil Hocine et Rezki -Algeria Apport des indices multispectraux pour le suivi de la turbidite eaux ctires et le couvert vgtal des zones ctires.	187
Hossein FARJAMI, Hosseini S., Atefeh²; Mohmmadi, Gholam Hassan³; Layeghi, Behzad⁴ - Iran Determining of the Density Currents Pattern of Orumieh Lake with GIS.	196
Theme 3 : Impacts on coastal systems	
Nadia HOCINI & MAMI Mohamed -Algeria Jauges nucleaires et radiotraceurs a l'etude du probleme de l'ensablement et de l'envasement des ports.	203
Hosny Ibrahim EMARA & M. A. Shradeah - Egypt Distribution and composition of aliphatic and aromatic petroleum hydrocarbons at some hot spots of Alexandria coastal waters.	210
Md. Sohrab Uddin Sarker Impacts of Hurricane SIDR on biodiversity of the Sundarban & others coastal areas of BANGLADESH	218
A. Ahmed Al-THUKAIR- Saudi Arabia Effect of harsh environmental conditions in distribution of microbial community of Cyanobacteria mats in the Intertidal zone of oil-polluted coast of Abu-Ali Island, Saudi Arabia.	231
Abdel- Wahab Oqlah. Al – SHIYAB - Jordan Impacts on coastal systems in the Jordanian Coast Gulf of Aqaba, Red Sea.	242
W. Smaoui-DAMAK, B. Berthet, A. Hamza-Chaffai-Tunisia The effects of the <i>in situ</i> (Gulf of Gabs, TUNISIA) Cadmium contamination on metallothionein induction and reproductive cycle of the clam <i>Ruditapes decussates</i> .	250
Shahbudin SAAD, Zuhairi, A., Kamaruzzaman, Y., Jalal, K.C.A - Malaysia Impact of coastal development on mangrove distribution in Kuantan, Pahang.	259
Asif INAM, Shaukat Hayat Khan, Mohammad Danish- Pakistan The degradation of Indus delta through time and its impact on the stability of the adjoining coast.	265
Souhila ALOUACHE, M. KADA., Y. MESSAI ., S. BENALLAOUA ., H. IABADENE., R. BAKOUR - Algeria Prvalence de la rsistance aux Beta-lactamines chez des bacteries marines.	274
Samia Kamel MIKHAIL, Sawsan M. Aboul Ezz, Mohamed A. Okbah -Egypt Blooms of toxic microalgae and co-occurring ciliates, heterotrophic and mixotrophic dinoflagellates in the Eastern harbour, Alexandria.	283
Mohammad Rida Shokri BOUSJEIN & William Gladstone - Iran Integrating vulnerability into estuarine conservation planning.	295
Fateme Amini YEKTA & Mohammad Reza Shokri Effects of Red tide on gastropods in rocky shores of Qeshm Island, Persian Gulf.	306

Sahar IZADI & Mohammad Reza Shokri -Iran Echinoderms wiped out from sandy and rocky shores after dinoflagellate blooms in Qeshm Island (Northern Persian Gulf, Iran).	311
Mohammad ZAFAR, M. M. Ali and M. Islam Radioisotope elements in the soil of Sundarban area, Bangladesh.	315
Susanna NURDJAMAN, Safwan Hadi, Haris Suhenendar ,Dan Kus Prisetiahadi- Indonesia Simulation of oil spill trajectory of Indramayu Coast, Indonesia.	328
Hassiba LARIBI ; M. BICHE, N.MAMERI et H.LOUNICI – Algeria Effet insecticide des chitinasés extraites des abats de poissons :Rascasse sur l'insecte : Callosobruchus maculatus (Coléoptère : Bruchidae).	337
Hosny Ibrahim EMARA , Rabab M. A-Shahba, T. O. Said , E. M. Attia and N. A. El-Naggar – Egypt Studies on chlorinated pesticides and polychlorinated biphenyls in some fish species of the Eastern Harbor of Alexandria, Egypt.	342
Ahmed Mohamed Abdallah MAHA - Egypt Estimation of mercury intake in fish from the coasts of Alexandria (SE Mediterranean Sea), Egypt.	351
Fatemeh SHARIATI, M. Pourkazemi, A. Esmaili Sari, A. Mashinchian, R. Osfoori- Iran Metallothionein response following Cadmium exposure in the fish <i>Acipenser persicus</i> .	357
Fatemeh AGHAJANPOUR, Mohammad Reza Shokri and Behrooz Abtaei - Iran Visitors influence on rocky intertidal biodiversity, Qeshm Island, the Persian Gulf, IRAN.	362
Tarek O. SAID, H. I. Emara, R. M. Abou-Shahba , E. M. Attia & N. A. El-Naggar – Egypt Composition and distribution of chlorinated pesticides and polychlorinated biphenyls in sediments of the Eastern Harbour area of Alexandria	370
Mehdi BOLOKI, Savari A, Haghighat*, Mansoori A – Iran Investigation of coral reefs health status and dispersal using coral watch method in Nay-Band bay (Inner ROPME Sea area, IRAN).	379
Rachid FADEL- Morocco Etude chimique des invertébrés marins des cotes Nord Marocaines.	385
Mitra ASGARI, Mohammad Reza Shokri – Iran Red tide effects on intertidal crabs of Qeshm Island, Persian Gulf.	396
Theme 4 : Integrated Coastal Zone Management (ICZM)	
Rabah BELKESSA & Bachari HOUMA. F - Algeria Pour une gestion intégrée du littoral de la côte de Béjaia Impact de l'exploitation des sédiments fluviaux.	397
Ahmad ABU HILAL – Jordan Approaches to integrated coastal management along the Jordanian coast of the Gulf of Aqaba.	405
Vahid CHEGINI, Ali Reza Kebriaie, Fereidoon Vafaie, Mohsen Soltanpour and Arash Sharifi- Iran Shoreline Management Plan of IRAN.	422
Mohammed MELHAOUI & Latifa EL HAFID - Morocco L'expérience marocaine de la GIZC : Cas de la zone côtière méditerranéenne Saida-Cap de l'eau.	429

Tana, CHENG He-Qin, JIANG Hong, Ni Yi-Zhuo, Birane Samb -China	437
A comprehensive ecological-economic-societal benefit assessment of marine fisheries in the Zhoushan area, CHINA.	
Samir GRIMES- Algeria	448
Trois contraintes majeures pour la gestion intégrée de la zone côtière en Algérie.	
Maryam SHAHRAKI, Ahmad Savari, Vahid Chegini, Fereidoon Owfi -Iran	456
Habitat classification of Iranian coast of Oman Sea in order to implement Integrated Coastal Zone Management (ICZM).	
Majid ABBASI- Iran	464
Importance and necessity of Integrated Coastal Zone Management (ICZM).	
Nasser-Eddine ZINE -Morocco	469
Impacts et Propositions d'aménagements des projets touristiques dans le cadre de la Gestion Intégrée des Zones Côtières marocaines: Cas du littoral d'Al Hoceima (Méditerranée Maroc).	
Fereidoon OWFI, Mahnaz Rabbaniha, Maryam Shahraki - Iran	474
Coastal Marine Ecological Classification Standard (CMECS) for Integrated Coastal Zone Management (ICZM) of Iranian coasts by GIS.	
Theme 5 : Coastal governance	
Mohammad Khaleel Al-ZIBDAH- Jordan	484
The Aqaba Marine Protected Area- Integration of Marine Science and Resource Management in the Gulf of Aqaba-Red Sea.	
A. SBAI- Morocco	495
Etude socioéconomique de la zone cotiere Saida-Ras El Ma pour une gestion intégrée	
Samb BIRANE- Senegal	505
Problématique de la gestion intégrée en zone côtière dans la zone nord ouest africaine	
Sri Yudawati CAHYARINI & Jens Zinke - Indonesia	513
Coastal city air temperature variation derived from coral Sr/Ca ratios: Case study Jakarta, Indonesia.	
Saïd Chaouki CHAKOUR & Ali BOUZOURENE - Algeria	518
Une approche participative pour réussir le projet de création de l'aire marine protégée (AMP) de Taza	
 Welcome Address by Prof. Dr. Mehmet FUZUN	527
 Welcome Address by Prof. A. CHOUIKHI	528
 List of Participants	529
 Photos of participants during the meeting	530