

July 25, Monday

09.00 - 14.00 **Registration of delegates**

14.00 - 14.30 **Opening session**

COASTAL LAGOON PROPERTIES IN THE CONTEXT OF CLIMATE CHANGE

14.30 - 15.10 Keynote speaker

Coastal lagoon properties in the context of climate change

Alice Newton, Univ. Algarve, Portugal and NILU - Center of Ecology and Economics, Norway

15.10 - 15.30

A model chain approach for the definition of climate change scenarios in the Gulf of Gabés (Tunisia). Results from the CANTICO project

Antonio Marcomini, Lara Lamon, Jonathan Rizzi, Andrea Critto, Antonio Bonaduce, Nadia Pinardi, Clotilde Dubois, Samuel Somot, Laurent Li, Isaac Gertmen, Paolo Lazzari, Donata Canu, Cosimo Solidoro

15.30 - 15.50

Comparative assessment of the impact of climate change on coastal groundwater resources and dependent ecosystems in three Mediterranean regions

Tibor Stigter, Luis Ribeiro, Javier Samper, Younes Fakir, Bruno Pisani, Sara Tomé, João Pedro Nunes, Rodrigo Oliveira, Rui Hugman, José Paulo Monteiro, Ana Silva, Maryam Shapouri, Luis Cancela da Fonseca

15.50 - 16.10

Land use alterations due to climate change, application of a spatial interaction model to three regions of Portugal, Italy and Morocco

Paulo Silveira, **Vasco Silva**, Marco Antonellini, Eric Masson, Abdellatif Khattabi, Tomaz Dentinho

16.10 - 16.30

Climate change influence on biodiversity, goods and services of Mediterranean lagoons

Alberto Basset, David Mouillot, Isabel Pardo, Ilirian Malollari, Lasram Frida, Paloma Lucena-Moya, Nicola Fiore, Ilaria Rosati

16.30 - 17.00

Coffee

17.00 - 17.20

A comparison of the design of participatory analyses for adaptation to climate change in Mediterranean coastal areas

Nicolas Faysse, Jean-Daniel Rinaudo, Sofia Bento, Richard Audrey, Mostafa Errahj, **Marta Varanda**, Amar Imache, Mathieu Dionnet, Dominique Rollin, Patrice Garin, Marcel Kuper, Marielle Montginould, Laure Maton

17.20 - 17.40

Human impacts on biodiversity in Amvrakikos Gulf

Sofia Reizopoulou, Themistoklis Chronis

17.40 - 18.00

Sediment infill or sea submergence: which side will tip the balance for Palavasian lagoons?

Jerome Castaings, Laurent Dezileau, Annie Fiandrino, Romaric Verney

18.00 - 18.20

Nutrients and chlorophyll a transports in the western region of Ria Formosa during a spring tidal cycle in autumn conditions (November 2010)

Andreia Ovelheiro, **Alexandra Cravo**, José Jacob

18.20

Icebreaker

July 26, Tuesday

BIODIVERSITY AND FUNCTIONING

Keynote speaker

09.00 - 09.40

Biodiversity components in lagoon ecosystems: patterns, drivers, mechanisms and impacts

Alberto Basset, University of Salento, Italy

09.40 - 10.00

Deep lagoon anoxia: Origin, development and significance

Ierotheos Zacharias, Areti Gianni

10.00 - 10.20

Geomorphology as a driving factor to the trophic status of several Southern Europe coastal lagoons

Miguel Cañedo-Arguelles Iglesias, Lea Roselli, Alice Newton, Pricilla Costa Goela, Sónia Cristina Vitorino, Rafaelle D'Adamo, Maria Rieradeval

10.20 - 10.40

Functional diversity in three Mediterranean transitional ecosystems

Kalliopi Sigala, Sofia Reizopoulou, Alberto Basset, Artemis Nicolaidou

10.40 - 11.10

Coffee

11.10 - 11.30

Photoacclimation status determines the photobehaviour of benthic diatoms

João Ezequiel, João Serôdio

11.30 - 11.50

The importance of microphytobenthos in shallow coastal lagoons: a comparative analysis with phytoplankton

Ana C. Brito, Chiara Facca, Alice Newton, Teresa Fernandes, Paul Tett

11.50 - 12.10

Benthic communities and sedimentation of pelagic plant material in contrasting habitats of a coastal southern Baltic lagoon

Teresa Radziejewska, Brygida Wawrzyniak-Wydrowska, **Adam Woźniczka**, Alicja Kosakowska, Anna Skrzypacz

12.10 - 12.30

Inter-annual variations of macrobenthic communities during three decades in a land-locked coastal lagoon (Santo André, SW Portugal)

Paula Cristina Tavares †, Paula Chainho, André Costa, João Castro, Tereza Cruz, Maria Luisa Chaves, Ana Manuel Costa, João Manuel Bernardo, João Paulo Medeiros, Gilda Silva, Carla Azeda, Maria José Costa, José Lino Costa, Henrique Cabral, **Luis Cancela da Fonseca**

12.30 - 14.00

Lunch

14.00 - 14.20

Nutrients and trace elements cycling in a barrier-lagoon complex (Louro Lagoon, NW Iberian Peninsula)

Antonio Cobelo-Garcia, Patricia Bernardez-Rodriguez, Daniel Eduardo Lopez-Sanchez, Manuel Leira, Juan Santos-Echeandia, Ricardo Prego

14.20 - 14.40

Seasonal changes and mechanisms of the nutrient exchange at the sediment-water interface in the eutrophic Boreal Lagoon (the Baltic Sea)

Mindaugas Zilius, Darius Daunys, Marco Bartoli, Arturas Razinkovas-Baziukas

14.40 - 15.00

Phytoplankton and environmental drivers in a coastal lagoon in Alentejo, Portugal

Tânia Diniz, Vanda Brotas, Anabela Cruces, Maria Conceição Freitas

15.00 - 15.20

Time scale and hydrological regime based dynamics of virioplankton in the eutrophicated Curonian Lagoon

Sigitas Sulcius, Ricardas Paskauskas

15.20 - 15.40

Factors involved in spatio-temporal dynamics of submerged macrophytes in a Portuguese coastal lagoon under Mediterranean climate

Cristina Antunes, Otilia Correia, Jorge Marques da Silva, Anabela Cruces, Maria Conceição Freitas, Cristina Branquinho

15.40 - 16.40

Coffee & Poster Session

16.40 - 18.40

Workshop

Scientific Publishing: writing and refereeing

How to get your paper published

Donald McLusky and **Mike Elliott**, as past and present Editors-in-Chief of Estuarine, Coastal and Shelf Science

Tools to facilitate authors' choice and evaluation of journals

Christiane Barranguet, Elsevier

09.00 - 09.20

Bacteria in salt-marsh sediments of Ria de Aveiro: influence of halophyte root exudates on abundance and diversity

Vanessa Oliveira, Ana Luísa Santos, Cláudia Aguiar, Newton Gomes, Adelaide Almeida, Sílvia Rocha, Ângela Cunha

09.20 - 09.40

Salt marsh plants effect on Hg-contaminated sediment stability through a laboratory flume investigation

Ana Isabel Lillebø, Bruna Marques, Bruno Galinho, João Miguel Neto, Miguel Pardal, Mogens Flindt

09.40 - 10.00

Food web structure in Mediterranean coastal lagoons under different trophic conditions

Salvatrice Vizzini, Antonio Mazzola

10.00 - 10.20

Parasite community structure in cockles *Cerastoderma edule*: spatio-temporal scaling

Xavier de Montaudouin, Cindy Binias, Géraldine Lassalle

10.20 - 10.40

Challenging the tissue dependent bacterial association in cockle (*Cerastoderma edule*) by means of a starvation experiment

Ika Paul-Pont, Guillaume Meisterhans, Natalie Raymond, Line Bourasseau, Xavier de Montaudouin, Frederic Garabetian, **Florence Jude-Lemeilleur**

10.40 - 11.10

Coffee

11.10 - 11.30

Large scale bacterial and archaeal diversity patterns in the Arcachon Bay's surface sediments

Guillaume Meisterhans, Florence Jude-Lemeilleur, Sophie Dubois, Natalie Raymond, Martin Plus, Hugues Blanchet, Antoine Grémare, Nicolas Savoye, Frédéric Garabetian

11.30 - 11.50

Feeding strategy of the most abundant fish species in the Mira channel, Ria de Aveiro, Portugal

Cátia Silva Macaringue, José Eduardo Rebelo

11.50 - 12.10

Ecology of benthic foraminifera from the Ria de Aveiro

Virginia Martins, A. C. Lino, R. Teodósio, F. Rocha

12.10 - 12.30

Group Photo

12.30 - 14.00

Lunch

RESOURCE EXPLOITATION AND SUSTAINABILITY

Keynote speaker

14.00 - 14.40

Fisheries in coastal lagoons: an assumed but poorly researched aspect of the ecology and functioning of coastal lagoons.

Angel Pérez-Ruzafa, Universidad de Murcia, Spain

14.40 - 15.00

Decrease in fish growth rates related to the massive presence of undersized sea bream discards in the Messolongi lagoon fisheries (Western Greece)

Nikolia Iliopoulou, Nikolaos Dimitriou, Evangelos Dimitriou, Constantin Koutsikopoulos

15.00 - 15.20

Otolith microchemistry as a tool to discriminate among gilthead sea bream nursery habitats in the lagoons of the Gulf of Lions (NW Mediterranean)

Jennifer Tournois, Franck Ferraton, David McKenzie, Catherine Aliaume, Audrey Darnaude

15.20 - 15.40

Regenerative capacity of the polychaete *Diopatra neapolitana*

Adília Pires, Rosa Freitas, Victor Quintino, Ana Maria Rodrigues

15.40 - 16.00

Spatial variation in allometry patterns of the Manila clam (*Ruditapes philippinarum*) in the Arcachon Bay (France)

Nathalie Caill-Milly, Catherine Borie, Kélig Mahé, Noëlle Bru, Cindy Binias, Xavier de Montaudouin, Frank D'Amico

16.00 - 16.30

Coffee

Workshop

16.30 - 18.00

Ecosystem health: concepts and assessment methods and relationship to management

Mike Elliott, IECS, U.K

20.00

Symposium Dinner

July 28, Thursday

INTEGRATED ASSESSMENT

Keynote speaker

09.00 - 09.40

Integrated Assessments of Coastal Lagoons

Peter Chapman, Golder Associates Ltd., Canada

09.40 - 10.00

The leaf-bag and the sediment sample: Two sides of the same ecological quality story?

Victor Quintino, Franca Sangiorgio, Renato Mamede, Fernando Ricardo, Leandro Sampaio, Roberto Martins, Rosa Freitas, Ana Maria Rodrigues, Alberto Basset

10.00 - 10.20

Spatial scales and benthic quality indices in transitional ecosystems: the case study of the Venice Lagoon

Marco Sigovini, Annamaria Volpi Ghirardini, Davide Tagliapietra

10.20 - 10.40

Surveying biomarker responses in invertebrates and vertebrates for ecological risk assessment in a Portuguese estuarine area

J. Antunes, Sara Carreira, P.M.Costa, S. Caeiro, J. Lobo, A.P. Martinho, M.H. Costa

10.40 - 11.00

The use of benthic diatom communities as indicators of transitional water ecosystem quality

Camilla Puccinelli, Stefania Marcheggiani, Laura Mancini

11.00 - 12.30

Coffee and Poster session

12.30 - 14.00

Lunch

14.00 - 14.20

Scrobicularia plana enzymatic and non-enzymatic antioxidants versus damage responses to environmental mercury-organ specificities and age effect

Iqbal Ahmad, Iram Mohmood, Pedro Coelho, Mário Pacheco, Maria Ana Santos, Armando da Costa Duarte, Eduarda Pereira

14.20 - 14.40

Health concerns of consuming cockles (Cerastoderma edule L.): the Ria de Aveiro system

Etelvina Figueira, Ana Lima, Diana Branco, Victor Quintino, Ana Maria Rodrigues, Rosa Freitas

14.40 - 15.00

Seasonal variation of Hg, mercury methylation and their fluxes in the sediment/water interface in the Tagus Estuary (Portugal)

Rute Cesário, João Canário, Ana Mota, Miguel Caetano, Carlos Monteiro, Nelson O'Driscoll, Marta Nogueira, Carlos Vale

15.00 - 16.20

Workshop

Stable isotopes and fatty acids in food web studies

Salvatrice Vizzini, University of Palermo

16.20 - 16.50

Coffee

16.50 - 17.20

Euro-Mediterranean Lagoon Federation Meeting

17.20 - 18.40

Workshop

A hidden world below our feet - the subsurface of coastal sediments

Henrik Sass, School of Earth and Ocean Sciences, Cardiff University and Ana Isabel Lillebø, CESAM, University of Aveiro

July 29, Friday

MANAGEMENT AND RESTORATION

09.00 - 09.40

Keynote speaker

The management of transitional and coastal waters related to the restoration of ecosystem services and societal benefits

Mike Elliott, IECS - Institute of Estuarine and Coastal Studies, Univ. of Hull, UK

09.40 - 10.00

The Øresund TW - A case study in the ARTWEI project

Olof Linden, Henrik Nilsson

10.00 - 10.20

Trans-boundary conservation issues in the Vistula Lagoon (Southern Baltic Sea)

Piotr Margonski, Boris Chubarenko

10.20 - 10.40

Conservation of habitats, biodiversity and biological resources in the cross-border transitional system: the Curonian lagoon

Arturas Razinkovas-Baziukas, Boris Chubarenko, Ramunas Povilanskas

10.40 - 11.00

Nature conservation aspects of Szczecin Lagoon (Southern Baltic Sea) in the context of transboundary location

Marta Arent, Nardine Stybel, Stanislaw Musielak, Dominik Zawadzki, Kazimierz Rabski

11.00 - 11.30

Coffee

- 11.30 - 11.50 ***A proposal for a conceptual framework for vulnerability assessment of coastal lagoons***
Rutger De Wit
- 11.50 - 12.10 ***Monitoring the anoxic conditions of the Messolonghi-Etoliko lagoons (Western Greece)***
Nikolaos Dimitriou, Evangelos Dimitriou, Constantin Koutsikopoulos
- 12.10 - 12.30 ***Microbial accumulation factors between water and shellfish. A step in the development of a management tool to improve Thau lagoon water quality***
Valérie Derolez, Dominique Soudant, Ophélie Serais, Annie Fiandrino, Ludovic Cesmat
- 12.30 - 14.00 **Lunch**
- 14.00 - 14.20 ***Biogeochemical budget modeling for the Mediterranean Etang de Thau (South France)***
Sandrine Le Noc, Aurore Trottet, Annie Fiandrino, Nathalie Malet, Dominique Munaron, Valérie Derolez, Delphine Bonnet, Rutger De Wit
- 14.20 - 14.40 ***Application of simple mathematical models for water quality management in small lagoons: Pateira de Fermentelos as a case study***
Bruna Oliveira, Helena Nadais, Luis Arroja
- 14.40 - 15.00 ***The evolution of the hydrodynamic characteristics of the Lagoon of Venice over the last century***
Michol Ghezzi, Christian Ferrarin, Stefano Guerzoni, Georg Umgieser
- 15.00 - 15.20 ***The impact of attached *Ulva intestinalis* on sand bedform development and migration in shallow water, coastal environments: an experimental study***
José Figueiredo da Silva, Chiara Venier, Stuart McLelland, Robert Duck, Stefano Lanzoni
- 15.20 - 15.50 **Closing session**
- 15.50 - 16.30 **Coffee**
- 16.30 - 17.30 **Theatre**
Puppet shadow theatre:
Diopatra, Lady of the Rings / Diopatra, Senhora dos Anéis
Fábrica, Centro Ciência Viva de Aveiro & Departamento de Biologia/CESAM
This theatre will be presented in Portuguese, will be of interest to all the symposium participants but is mainly directed to young pupils.

July 30, Saturday

09.30 - 13.00

Traditional boat trip in Ria de Aveiro

POSTERS

COASTAL LAGOON PROPERTIES IN THE CONTEXT OF CLIMATE CHANGE

Response of thermohaline properties to meteorological conditions and river discharge at the Ria de Aveiro mouth

Ines Alvarez, J. M. Dias, N. Vaz, M. C. Sousa

Effect of water temperature elevation on shellfish mortality in Bizerta lagoon

Mouna Ballakhal, M. Ballakhal, O. Beji

Assessing the ecological status of Klisova lagoon (W. Greece) by monitoring the physicochemical parameters and macrophyte associations

Chrysoula Christia, E. Papastergiadou

MaréFormosa Project - Tidal propagation and energy dissipation in the RiaFormosa coastal lagoon system

Duarte Nuno Ramos Duarte, J. O. Blanton, M. Moreira da Silva, Ó. Ferreira, M. P. Reis, F. Leitão, P. A. Neves, F. Fernandes, P. Santana, N. R. Metelo

Benthic macroinvertebrates from Southern Portugal coastal lagoons of different types and the effects of global changes

Sofia Gamito, S. Coelho, A. M. Rodrigues, V. Quintino

Physiological response and acclimation capacity of macrophyte meadows in the Mar Menor lagoon (SE Spain)

Marta García-Sánchez, N. Korbee, I. Pérez-Ruzafa, C. Marcos, N. Navarro, J. Jofre, B. Domínguez, A. Pérez-Ruzafa, F. L. Figueroa

Optimising a groundwater table surveillance network (Eastern Mitidja) Algeria

Dahbia Djoudar Hallal, A. C. Toubal

The Coala Project: nutrients and particulate matter exchanges between Ria Formosa Coastal Lagoon and the ocean through a multiple inlet system

José Jacob, A. Cravo, J. Luís, D. N. R. Duarte, M. Madureira, F. Rita, M. Rodrigues, A. Fortunato, A. Oliveira, S. Cardeira, M. Rosa

The rising water table due to the discharge of drained and waste water: the case of a large natural lagoon (Ouargia, El Oued), Algeria

Omar Khodjet Kesba, M. K. Mihoubi

*Temporal scales of body size structure and condition variations in the brackish isopod *Lekanesphaera hookeri*: is there a role of temperature patterns?*

Maurizio Pinna, M. A. Giannone, A. De Pascali, A. Basset

Expected variations in the functioning of the Venice lagoon ecosystem in relation to

global changes

F. Pranovi, D. Brigolin, P. Franzoi, T. Lovato, A. Rubino, Matteo Zucchetta, P. Torricelli, R. Pastres

The Venice lagoon and climate changes: expected effects on the ecosystem structure and functioning

Fabio Pranovi, P. Franzoi, T. Lovato, S. Malavasi, R. Pastres, A. Rubino, M. Zucchetta, P. Torricelli

Trace elements in sediment cores of a barrier-lagoon Complex (Louro Lagoon, NW Iberian Peninsula)

R. Prego, R. Bao, M. Leira, C. Almecija, Antonio Cobelo-Garcia

A GIS-based global vulnerability assessment of the Nador lagoon (Morocco)

Otmane Raji

Structure and dynamics of Aveiro Lagoon salt marsh plants in the last 20 years

Helena Silva, B. Duarte, J. Silva, J. M. Dias, I. Caçador

A professional fishers' network monitoring the environmental state of the Amvrakikos Gulf (Western Greece)

Sofia Siorou, E. Tzanatos, C. Koutsikopoulos

Potential effects of climate changes on fish habitat distribution in a Mediterranean lagoon

Matteo Zucchetta, T. Lovato, S. Malavasi, R. Pastres, F. Pranovi, A. Rubino, P. Torricelli, P. Franzoi

BIODIVERSITY AND FUNCTIONING

Intertidal benthic macrofauna alterations associated with oyster culture in Ria de Aveiro, Northwestern Portugal

Ana Azevedo, L. Magalhães, L. Sampaio, R. Freitas, A. M. Rodrigues, V. Quintino

*The breeding ecology of the black striped pipefish, *Syngnathus abaster*, in the Mediterranean and Atlantic Coasts*

Hajer Ben Alaya, N. Monteiro, R. Galzin, J. Quignard, M. Trabelsi

Measuring light attenuation in coastal shallow lagoons

Ana C. Brito, A. Newton, P. Tett, T. Fernandes

Phytoplankton dynamics in southern Portuguese coastal lagoons

Ana C. Brito, T. Quental, M. T. P. Coutinho, M. A. C. Branco, M. Falcão, M. T. Moita

*Allelopathic effect of *Zostera marina* and *Z. noltii* on the growth and photosynthetic efficiency of the toxic dinoflagellate *Alexandrium catenella**

P. Cecchi, Mohamed Laabir, M. Grignon-Dubois, B. Rezzonico, H. Ben Garbia, F. Rieuvilleneuve, E. Masseret

Do long-term changes occur in the benthic communities of a small coastal lagoon?

P. Chainho, M. L. Chaves, H. Cabral, N. Wouters, J. M. Bernardo, A. M. Costa, M. Cristo, G. Silva, C. Azeda, J. P. Medeiros, P. C. Tavares, M. J. Costa, J. L. Costa, Luis Cancela da Fonseca

*Effect of sea grasses on the symbiotic bacterial population hosted by the bivalve *Loripes lacteus** E. Colao, F. Rossi, F. Carcaillet, M. Callier, Rutger De Wit

Phytoplankton in semi-enclosed Portuguese coastal lagoons: dynamics and application in the assessment of ecological quality under the WFD Maria Teresa Pereira Coutinho, A. Goncalves, A. C. Brito, M. T. Moita

Comparative limnological study of six Mediterranean coastal lagoons C. Ferriol, Juan Soria, E. Vicente, M. R. Miracle

Analysis of macrophytes and macroinvertebrates communities in two lagoons of W. Greece. Implementation of the Water Framework Directive (2000/60) Georgios Fyttis, S. Reizopoulou, E. Papastergiadou

Benthic macroinvertebrate fauna of Ria de Alvor, Southern Portugal, revisited after more than 24 years Sofia Gamito, M. Ramos, M. Mateus, A. M. Rodrigues, V. Quintino, H. Teixeira, J. Patrício, J. C. Marques

Is Manila clam bacterial community structure influenced by the bivalve sub-population intrinsic characteristics and/or habitat microbial communities? E Girault¹, Guillaume Meisterhans¹, I. Paul-Pont¹, F. Jude-Lemeilleur¹, L. Bourasseau¹, C. Lambert, X. de Montaudouin, F. Garabetian, N. Raymond

*Effect of environmental stress on the phenolic content of *Zostera noltii** Micheline Grignon-Dubois, B. Rezzonico

*Phenolic fingerprints of *Zostera noltii* from Atlantic and Mediterranean coasts* Micheline Grignon-Dubois, B. Rezzonico

*The invasive slipper limpet *Crepidula fornicata* in Arcachon bay: stock assessment and associated megafauna* B. Hippert, Xavier de Montaudouin, H. Blanchet

Composition, structural characteristics and temporal patterns of fish assemblages in Mellah lagoon (Algeria): influence of environmental factors Mohamed Hichem Kara, L. Chaoui, A. Merrah

Oxygen balance and phosphorus cycle in the Curonian lagoon Marija Katarzyte, J. Petkuvienė

*Macroinvertebrates communities associated with the decomposition process of *Phragmites australis* and *Fucus vesiculosus* in transitional systems* Marta Lobão Lopes, P. Martins, A. M. Rodrigues, V. Quintino

Colonization of ephemeral detrital patches by macroinvertebrates in a coastal lagoon: controlled by size or water temperature?

Giorgio Mancinelli

To bite, or not to bite? A laboratory assessment of small-scale foraging strategies of three brackish crustaceans processing leaf detritus

Giorgio Mancinelli

*Microbial communities associated with the decomposition process of *Phragmites australis* in transitional systems*

Patricia Martins, M. Lobão Lopes, A. M. Rodrigues, N. Gomes, V. Quintino

Dinoflagellate resting cysts in sediments of the Maghrebian coasts: morphological descriptions associated with a single-cell ribotyping method

Estelle Masseret, H. Frehi, S. Turki, X. Pessey, A. Couté, N. Faivre, F. Rieuvilleneuve, M. Laabir, I. Hadjadji, P. Cecchi, E. Abadie, P. Berrebi

Habitat preferences of the Syngnathidae in the Ria Formosa coastal lagoon (South Portugal)

Frederico Oliveira, P. Monteiro, L. Bentes, K. Erzini, J. M.S. Gonçalves

Diversity patterns of aquatic insects in protected coastal lagoons of North-western Spain

Amaia Pérez-Bilbao, C. J. Benetti, J. Garrido

*Diversity and reproduction of *Diopatra* species (Annelid, Onuphidae) in Ria de Aveiro (Northwestern Portugal)*

Adília Pires, F. Gentil, V. Quintino, A. M. Rodrigues

Lagoon benthic communities' responses to recurrent oxygen deficiency episodes: the lagoon of Albufeira (Western, Portugal)

Victor Quintino, A. M. Rodrigues, M. Elliott

Invertebrate spatial patterns in the lagoon of Óbidos (NW coast of Portugal) revisited: 1984 versus 2002

Ana Maria Rodrigues, V. Quintino, F. Pereira, R. Freitas

Litter bag technique to estimate leaf decomposition: investigating potential pitfalls in laboratory mesocosm experiments

Daniela Santagata, F. Sangiorgio, A. Basset

Different strategies of organic matter decomposition and utilization by bacterioneuston and bacterioplankton in an estuarine system

Luisa M. P. Santos, A. L. Santos, F. Coelho, N. Gomes, A. Cunha, A. Almeida

How resilient is the macrobenthic community of a coastal lagoon to two consecutive pulsed disturbances?

Noemie Wouters, F. C. Baringo, P. J. Valayer, H. Cabral

Phytoplankton abundance and composition in Viluni Lagoon (Albanian Northern

Coast)
Skerdilaid Xhulaj, D. Bode

RESOURCE EXPLOITATION AND SUSTAINABILITY

Addressing sustainability of clam aquaculture in the Venice Lagoon
Pierpaolo Campostrini, S. Dalla Riva, D. Melaku Canu, R. Pastres, L. Pizzo, L. Rossetto, C. Solidoro

*The wet coastal zone of Réghaia in the East littoral of Algiers (Algeria):
methodological contribution to its plan of management*
Mohamed Larid

*Trophodynamics of fish assemblages associated with a *Caulerpa prolifera*
(*Forsskål*) meadow in a shallow semi-enclosed embayment: preliminary results*
Maria Maidanou, P. Koulouri, D. Koutsoubas, C. Dounas

*Valuing the unmarketable: an ecological approach to estimate externalities in
fishing activities*
Fabio Pranovi, P. Franzoi, P. Torricelli

*Study of the ecological structure of three lagoons of Amvrakikos Gulf (W. Greece)
based on fishery and ecological indicators*
T. Zoulias, K. Kapiris, Sofia Reizopoulou

INTEGRATED ASSESSMENT

*Phragmites australis dominance strategies assessment in a mercury contaminated
coastal lagoon (Ria de Aveiro, Portugal)*
N. A. Anjum, Iqbal Ahmad, M. Válega, M. Pacheco, A. C. Duarte, E. Pereira

*Surveying biomarker responses in invertebrates and vertebrates for ecological risk
assessment in a Portuguese estuarine area*
J. Antunes, S. Carreira, P. M. Costa, S. Caeiro, J. Lobo, A. P. Martinho, M. H. Costa

*Biomarkers to assess the health status of two bivalve species in the Venice Lagoon:
the metallothioneins*
Fabiana Corami, W. Cairns, C. Rigo, P. Cescon

*GIS based sensitivity assessment of the Al Hoceima bay to climate change and sea
level rise (Moroccan Mediterranean coast)*
Abdou Khouakhi, M. Snoussi

Metals distribution and availability at Ria Formosa Lagoon the role of halophytes
M. Moreira da Silva, Duarte Nuno Ramos Duarte, M. Caetano, M. T. Vasconcelos

Morphological integrity of the linear littoral habitats of coastal lagoons
Ramunas Povilanskas, A. Armaitiene, E. Jurkus, J. Taminskas

MANAGEMENT AND RESTORATION

Carbon and nutrients dynamics in intertidal sediments of Tagus estuary (Portugal)

Rute Cesário, M. Nogueira, J. Canário

Risk management in lagoon contaminated sites

E. Beccaloni, M. Carere, S. Marcheggiani, Camilla Puccinelli, S. Cacioli, R. Scenati, M. Figliomeni, L. Mancini

*Priority substances in a SW European coastal lagoon - Ria Formosa, Portugal
twenty years of temporal evolution of metals and butyltins*

M. Moreira da Silva, P. Carvalho, L. Chícharo, Duarte Nuno Ramos Duarte, M. Caetano, M. T. Vasconcelos

*Establishing a methodology to estimate surface water inflow and renewal rate of
the Albufera of Valencia lagoon (Mediterranean coast, Spain)*

Juan M. Soria, X. Soria, M. R. Miracle, E. Vicente

*Valorisation of attractiveness the southern shore of Szczecin Lagoon (central
Europe) in relation to the classification of coasts*

S. Wochna-Bartnik, Marta Arent

EDUCATION COLLABORATION AND NETWORKING

Coastal Lagoons – an Artistic Perspective

Alice Costa, A. M. Rodrigues

Puppet shadow theatre to promote public understanding of lagoon biodiversity

Clárisse Ferreira, A. M. Rodrigues

