

July 25, Monday

9.00 - 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 Gabès (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 Marocco***

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 Fayssse, 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

# PROGRAMME

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**

9.00 - 9.40

**Keynote speaker**

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

**Alberto Basset**, University of Salento, Italy

9.40 - 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

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

# PROGRAMME

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**

Parallel session - Main Hall

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

Parallel session - Academic Acts Hall

14.00 - 14.20

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

**Cátia Silva Macaringue**, José Eduardo Rebelo

## PROGRAMME

**14.20 - 14.40** *Ecology of benthic foraminifera from the Ria de Aveiro*  
Virginia Martins, A. C. Lino, R. Teodósio, F. Rocha

**14.40 - 15.00** *The white stork *Ciconia ciconia* in the wetland El Tarf, Eastern Algeria, between 1996 and 2010*  
Aicha Beya Mammeria, Idir Bitam, Houhamdi Moussa

**15.00 - 15.20** *Habitats suitability for aquatic birds in a Ramsar site: the Merja Zerga lagoon (Atlantic, Morocco)*  
Abdelaziz Benhoussa, Karima Aitmlik, Hocein Bazairi

**15.20 - 15.40** *Evaluation of the population trends of wintering waders in Ria de Aveiro*  
Luisa Dinis Ferreira, António Luís, Luís Cancela da Fonseca

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**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

### July 27, Wednesday

**9.00 - 9.20** *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

**9.20 - 9.40** *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

**9.40 - 10.00** *Food web structure in Mediterranean coastal lagoons under different trophic conditions*  
Salvatrice Vizzini, Antonio Mazzola

# PROGRAMME

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 - 11.00

***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

11.00 - 12.30

**Coffee & Poster session**

12.30 - 14.00

**Lunch**

## RESOURCE EXPLOITATION AND SUSTAINABILITY

14.00 - 14.40

**Keynote speaker**

***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 - 16.20

***Shellfish aquaculture in Bizerta lagoon: Present state and perspectives***

Meher Bellakhal, Mouna Bellakhal, Othman Beji

# PROGRAMME

16.20 - 16.50

Coffee

16.50 - 18.30

Workshop

**Ecosystem health: concepts and assessment methods and relationship to management**

Mike Elliott, IECS, U.K

20.00

Symposium Dinner

July 28, Thursday

## INTEGRATED ASSESSMENT

9.00 - 9.40

Keynote speaker

***Integrated Assessments of Coastal Lagoons***

Peter Chapman, Golder Associates Ltd., Canada

9.40 - 10.00

***Are community descriptors affected by sampling procedure? A cost/effective vs metric robustness analysis for rapid assessment of Mediterranean lagoons***

Maurizio Pinna, Alberto Basset, Gabriele Marini

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

***Ecological Quality Status of two Moroccan Atlantic lagoons (Merja Zerga and Qualidia): a multi-index approach***

Hocein Bazairi, Karima Aitmlik, Elmehdi Belhejjem, Bendahhou Zourarah

10.40 - 11.00

***Assessment of the sustainability of Moulay Bouselham coastal lagoon (Morocco) using the "DPSIR" model and a prospective analysis***

Maria Snoussi, Hocein Bazairi, Abdelaziz Benhoussa, Otmane Raji, Abdou Khouakhi

11.00 - 12.30

Coffee & 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

# PROGRAMME

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

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

**Camilla Puccinelli**, Stefania Marcheggiani, Laura Mancini

15.00 - 15.20

***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

15.20 - 15.40

***Morphological abnormalities in the black-striped pipefish, *Syngnathus abaster* (Syngnathidae), from the Tunis North lagoon: a pollution problem in a Mediterranean lagoon?***

**Hajer Ben Alaya**, Nuno Monteiro, René Galzin, Jean-Pierre Quignard, Monia Trabelsi

15.40 - 16.20

**Euro-Mediterranean Lagoon Federation Meeting**

16.20 - 17.00

**Coffee & Poster session**

17.00 - 18.30

**Workshops in parallel session**

***Stable isotopes and fatty acids in food web studies***

**Salvatrice Vizzini**, University of Palermo

***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 28, Friday

## MANAGEMENT AND RESTORATION

9.00 - 9.40

**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

9.40 - 10.00

***The Øresund TW - A case study in the ARTWEI project***

**Olof Linden**, Henrik Nilsson

# PROGRAMME

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 Umgiesser

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



# PROGRAMME

**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**

**9.30 - 13.00**    **Traditional boat trip in Ria de Aveiro**

**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 Zucchetto, 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. Zucchetto, 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 Zucchetto, 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 Fytis, 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 Girault<sup>1</sup>, Guillaume Meisterhans<sup>1</sup>, I. Paul-Pont<sup>1</sup>, F. Jude-Lemeilleur<sup>1</sup>, L. Bourasseau<sup>1</sup>, 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. Petkuvieni

***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 Camprostrini, 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. Kapis, 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***

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