



Eleventh

Symposium

International

Monitoring of Mediterranean Coastal Areas: problems and measurement techniques

June 16-17-18, 2026

Natural History Museum of the Mediterranean, Livorno - Italy



Port of Livorno : Curvilinear Breakwater south



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COMUNE DI LIVORNO



11th International Symposium
“Monitoring of Mediterranean Coastal Areas:
problems and measurement techniques”
Livorno (Italy) June 16-17-18, 2026

Museum of Mediterranean Natural History - Via Roma 234, Livorno

PROGRAMME

First Day – Tuesday, June 16, 2026

- 9.00 Registration**
- 10.00 Opening Ceremony – Presentation and Addresses by Authorities and Symposiarch**
- 10.40 *Coffee break; Posters installation*
- 11.00 Introduction by Symposiarch**, Marcantonio Catelani, University of Florence
- 11.10 Session Flora and Fauna of coastal ecosystems: protection, management, monitoring, Part I**
chairperson Davide Travaglini, University of Florence
- 11.20 *Anthropogenic Influence as a Driver of Plant Diversity in a Mediterranean Island Ecosystem: Insight from the Mljet National Park (Eastern Adriatic, Croatia)*
A. V. Alegro, V. Hršak, A. Rimac, V. Šegota,
- 11.40 *Monitoring and Assessing the Conservation Status of Dune Habitat Types by Standardized Protocols and Integrated Approaches: A Case Study in Southern Italy*
C. Caporusso, M. Adamo, L. Beccarisi, M. Semeraro, F.M. Rana, G. Albanese, V. Tomaselli
- 12.00 *LIFE RECLOAK: Restore and improve the conservation status of threatened forests by holm oak dieback*
G. Marino, F. Alderotti, A. Gori, S. Beltrami, R. Balestrini, F. Sillo, B. Scanu, A. Brandano, A. Deidda, C. Vettori, C. Garosi, A. P.M. Fabbri, C. Brunetti
- 12.20 *Thirty Years of Change: Monitoring Vegetation Dynamics in Two Maltese Coastal Saline Marshlands*
E. Puglisevich, G. Micallef, P. Palii, L. Camilleri, L. Schmidbauer, S. Lanfranco
- 12.40 Lunch break**
- 14.00-14.30 Posters viewing**
- 14.30 Session Flora and Fauna of coastal ecosystems: protection, management, monitoring, Part II**
chairperson Sandro Lanfranco, University of Malta
- 14.30 *Mapping restoration suitability for *O. edulis* in the Adriatic Sea using larval connectivity and human pressure indicators*
D. Carratù, C. Laurent, A. Petronio, C. Solidoro, R. Auriemma, S. Raicevich, D. Canu
- 14.50 *Estimating Species Coverage in Coastal Dunes through Strip Sampling*
R.M. Di Biase, L. Fattorini, S. Franceschi, A. Marcelli, M. Marcheselli, C. Pisani
- 15.10 *Historical and Molecular Tools for the Monitoring of the Photosynthetic Biodiversity of the Venice Lagoon*
F. Drigo, A. Saba, A. Pinto, I. Cecchini, I. Moro, C. De Pittà
- 15.30 *The effects of *Posidonia oceanica* beach wrack on seedlings of coastal dune plants*
V. Menicagli, C. Lardicci, E. Balestri
- 15.50 *Coffee break and Posters viewing*
- 16.10 *Biodiversity and Ecological Quality of Sublittoral Rocky Shore Habitats in Marine Protected Areas of the Aegean Sea after Extreme Heatwaves*
M. Pantelidou, C. Antoniadou, C. Chintiroglou
- 16.30 *Zooplankton biomass dynamics monitoring to support EU MSFD implementation in the W Mediterranean Sea*
M. L. Tovar-Salvador, E. Pérez-Rubín, N. Valcárcel-Pérez, J. Mercado, L. Yebra
- 16.50 Closing of first workday**
- 17.00 – 19.30 Event: Guided tours:**
- a) The two fortresses and La Venezia Nuova district: the heart of maritime trade in Grand Ducal Tuscany*
- b) The port of Livorno: a visit to the commercial and economic heart of the city*

Second Day – Wednesday June 17, 2026

9.00 Opening of Secretary's Office

9.10 **Session *Geography, Tourism and Landscape of the coastal areas. Enhancement, safeguarding and dynamics of the territory***, chairpersons Antonietta Ivona, University of Bari – Claudio Saragosa University of Florence

9.20 *A geospatial inventory of transgressive dune fields of Sardinia*

G. Casagrande, D. Bertoni, A. Bezzi, A. Conforti, G. De Falco, G. Deiana, C. Kalb, C. Leccardi, D. Martinucci, M. Mineo Grippi, P.E. Orrù, S. Simeone, G. Fontolan

9.40 *The sea: cultural landscape and design tool. The study case of the Campi Flegrei in Campania*

D. Colafranceschi, L. Marinaro, G. Marino, M. Orabona

10.00 *Digital tourist imaginaries of Mediterranean coasts: a socio-visual analysis with convolutional neural network*
F. Corbisiero, C. Prospero

10.20 *Access to the Sea in Mediterranean Large Coastal Cities: Measuring and Mapping*

A. Ghersi, P. Burlando

10.40 Coffee break and Posters viewing

11.00 *Combating Coastal Erosion in Tourist Territory: The Case of Sant'Alessio Siculo (Province of Messina)*

G. Messina, E. Nicosia, G. Rombo, M. Spanò

11.20 *Evaluating and Communicating the Recreational Value of Coastal Ecosystems: the Ria Formosa Example.*

M. C. Neves, K. Salacova

11.40 *Urban Expansion under Tourism Pressure: Implications for Coastal Resilience*

A. Pedić, M. Trbojević, D. Mance

12.00 *Metabolic Planning in Mediterranean Contexts: Assessing the Etruscan Coast's Bioregional Dynamics*

C. Saragosa, M. Chiti, M. Tofanelli

12.20 *Evolution and Prospects of Italian Seaside Towns: the Case of the Adriatic Coast*

C. Zanirato

12.40 Lunch break

14.00-14.30 Posters viewing

14.30 **Session *Underwater and Coastal Cultural Heritage***, chairperson Marinella Pasquinucci, University of Pisa

14.40 *PALUDES. Implementation of Non-Invasive and Digital Techniques for the study of Vulnerable Heritage Spaces in the Bay of Cádiz*

E. Aragón Núñez; I. Rondán-Sevilla; L. Lagóstna-Barrios; M.J. López-Medina

15.00 *From Shoreline to Seascape: Understanding the Evolution of the Roman Sinus Urcitanus (Almeria) through Integrated Coastal and Underwater Survey*

M. J. López Medina, E. Aragón Núñez; I. Rodán-Sevilla

15.20 *Acoustic remote sensing for mapping, monitoring and communication of the underwater Cultural Heritage*

C. Violante, N. Abate

15.40 *"Battling the Sea: Integrated Strategies to Protect the Archaeological Heritage of Nora (Pula, Sardinia)"*

C. Pilo, G. Salis, F. M.P. Carrera, E. Romoli, W. Quarto, M. Stochino

16.00 Coffee break and Posters viewing

16.20 *IoT Monitoring and Digital Twin for the Active Conservation and Fruition of the Historical Coastal Heritage in the Amalfi Coast*

L. Candela, L. D'Amato, A. Di Benedetto, M. Fiani, B. Messina, L. Petti, M. Villani

16.40 *Coastal archaeology in Calabria Region: investigation and monitoring tools for territorial planning and active conservation purposes*

G. Quattrone

17.00 *The Porto Venere Fortress (Liguria, Italy): Building Materials and Conservation Issues*

F. Fratini, E. Maggiani, D. Pittaluga, S. Rescic

17.20 *Integrated Assessment of Geochemical and Microbial Interactions in the Decay Processes of Calcareous Sandstone at Caesarea Maritima*

N. Wieler, I. Nir, A. Van Zuiden, P. Gendelman, C. Urzi, F. De Leo, O. Romeo, A. Kushmaro, Y. Asscher

17.40 Closing of second workday

Third Day Thursday June 18, 2026

9.00 Opening of Secretary's Office

9.10 Session *Morphology and evolution of coastlines and seabeds*, chairperson Giovanni Sarti, University of Pisa

9.20 *River delta morphodynamic adjustments to environmental and human influence in the Mediterranean*
E. Anthony, F. Zainescu, F. Tatui, F. Sabatier, A. Berbecariu

9.40 *Morphological variability of the geologically-controlled beach of San Giovanni di Sinis (Western Sardinia) in response to storm events*

S. Augusti, P. Ciavola, R. Brunetta, G. De Falco, A. Cucco, G. Quattrocchi, A. Conforti, S. Simeone

10.00 *Towards a Coastal Flood Early Warning System for the Veneto Region (Italy)*

A. Bezzi, G. Casagrande, C. Popesso, G. Fontolan, S. Fracaros, M. Favaro, A. Papa

10.20 *Estimation of cliff sediment supply on the Vrgada sandy beach (Vrgada Island, Croatia)*

O. Cohen, K. Pikelj

10.40 *Coffee break and Posters viewing*

12.00 *Aeolian Transport Measurements on Dunes using Innovative, Wireless Sand Traps*

E. Diana, G. Sarti, I. Cappelli, A. Pozzebon, F. Copetti, D. Bertoni

11.20 *Advancing Coastal Hazard Monitoring in the Mediterranean through Marine Robotic Technologies: Insights from the Interreg Maritime IT-FR AMIS Project*

R. Ferretti, M. Bibuli, G. Bruzzone, G. Bruzzone, M. Caccia, M. Giacobelli, E. Spirandelli, A. Odetti

11.40 *Implementation of a GIS Database for Monitoring 48 Beaches along the Western Coast of Sardinia (Mediterranean Sea).*

C. Kalb, A. Conforti, G. De Falco, V. Frisicchio, S. Simeone

12.00 *Direct measurement and indirect calculation of depth of closure on the Omiš-Duče sandy beaches (Croatia) and its importance for beach management purposes*

K. Pikelj, L. Lelas

12.20 *Advancing Coastal Delta Monitoring: Integrating SWOT Satellite Water Level Data for Predictive Modeling*

F. Zainescu, F. Tătui, F. Miron, E. Anthony

12.40 Lunch break

14.00-14.30 Posters viewing

14.30 Session *Coastal and Offshore Engineering*: chairperson Lorenzo Cappiotti, University of Florence

14.40 *High-spatial resolution wind energy assessment in port areas through mesoscale modeling: a case study at Ancona port*

D. Colarossi, V. D'Alessandro, M. Falone, L. Giammichele

15.00 *Automated Fish Counting & Species Recognition with AI Video Analysis*

N. Cukrov, A. Bedalov, M. Lovrić, A. Šiljeg, S. Orlić

15.20 *Monitoring of Microplastics in Port Sediments. Evaluation Of Different Analytical Methods*

J. Droit, C. Lacroix, M. Babinot, J. Receveur, S. Rohais, M. F. Romero Sarmiento, V. Yeuc'h, S. Goultquer

15.40 *Offshore Wind and Fisheries: Socioeconomic Impacts in the Strait of Sicily*

M. Gambino, V. Pipitone, E. Sabatella, A. Sbrana

16.00 *Coffee break and Posters viewing*

16.20 *Using Marine Socio-Ecological Framework to support MSP in the Western Mediterranean*

R. Gonçalves, D. Depellegrin, E. Ramos, C. De La Hoz, C. V.C. Weiss, A. G. Cabanillas, A. Puente, J. A. Juanes, C. Marti Llambrich

16.40 *Analysis of the Morphodynamic Evolution of Wave Action and the Intensification of Maritime Risk on the Valencian Community Coast (1958–2025)*

I. López, J.I. Pagán

17.00 *Development of a low-cost mini fluorometer for detecting low levels of phycoerythrin*

I. P. Morales-Aragón, M. J. Oates, F. Soto-Valles, R. Torres-Sánchez, J. Gilabert

17.20 *A Coastal Digital Twin for Integrated Monitoring of Erosion, Water Quality and Built Heritage Vulnerability*

M. Fiani, A. Di Benedetto, L. Candela, L. D'Amato, L. M. Gujski, J. M. Lisena

17.40 *SOCIB: Integrated multi-platform real-time ocean observing in the Balearic Sea*

N. Wirth, B. Casas

18.00 Closing of Symposium

18.20 – 19.00 **Event: Guided tour to Museum of Mediterranean Natural History**

20.00 **Award Ceremony and Social event**

Poster Presentations

Session *Flora and Fauna of coastal ecosystems: protection, management, monitoring*

Evaluation of the diversity of Eunicella gorgonians (Octocorallia) from the Southern Mediterranean: integration of morphological and genomic data

N. Abbes, S. Sartoretto, R. Ghanem, J. Ben Souissi, L. Chaoui, M. H. Kara, S. Jaziri, M. A. G. Coelho, J.-B. Ledoux, M. Bally, L. Bahri Sfar, D. Aurelle

Decadal Assessment of Trophic Conditions in the Gulf of Trieste: Trends, Indices, and Climate Drivers (2010–2021)

A. Acquavita, N. Bettoso, M. Celio

Assessing Fire Risk in Taourirt Ighil Forest with GIS

T. Aitiche

The ichthyofaunal diversity in Sicilian estuaries: knowledge gaps and community evolution along time

M. Battiata, S. Lo Brutto

Conservation, Management and Biodiversity Assessment of the Tonga Arboretum, North-Eastern Algeria

F. Becir

Urban forest management and its effects on biodiversity through variation in deadwood and tree-related microhabitats in Rome

C. Borghi, D. Travaglini, G. Chirici, M. Marchetti, F. Parisi

Establishing a Temporal Baseline for Vegetation Change in Malta's Coastal Sand Dune Systems

L. Camilleri, S. Lanfranco

A buzz from the blue: latest insight into bottlenose dolphins in the central Tyrrhenian Sea

I. Campana, M. Paraboschi, R. Monti, G. Giovani

Halophila Stipulacea & Benthic Community. Preliminary Observations on Alien Specie in North- East Sardinia – La Maddalena Island – Italy - 2025

M. C. Carboni, V. Maloccu

Dissolved Organic Matter Dynamics in the Port of Livorno, New Insights from OMNIS Project

M. Carloni, N. Antonicelli, G. Bachi, E. Balestri, S. Bedini, A. Castelli, G. Checcucci, V. Evangelista, M. Guerrazzi, C. Lardicci, C. Tropea, S. Valsecchi, J. Tempesti, C. Santinelli

Fifteen Years of Monitoring Macroalgae Assemblages Along the Rocky Coasts of Tuscany

E. Cecchi, L. Piazzini, M. Ria, A. Nicastro, G. Marino, F. Lauricella, I. Dalle Mura, F. Gatti, A. Melley, M.L. Franchi

Long-term and broad-scale monitoring improves detection and assessment of invasive macroalgae: insights from 17 years of monitoring in Menorca

M. E. Cefali, J. Verdura, F. Tomas, J. Movilla, O. Reñones, J. Moranta, S. Molina, E. Cebrian

AI-Driven Approaches for Advancing Phenology Research in Mediterranean Ecosystems: A Review

C. Cesaraccio, A. Piga, D. Spano

Modernizing Kerkennah's Charfia: Artificial Habitat Enhances Benthic Biodiversity and Exotic Species Spread

N. Chamekh, R. Mejri, A. Badalucco, S. Lo Brutto

Use of MODIS NDVI data for monitoring actual evapotranspiration in a mediterranean coastal area

M. Chiesi, L. Fibbi, M. Pieri, B. Rapi, F. Maselli

When turtles choose us: protecting the invisible treasure of Capitulo

A. De Marco, V. Fanizzi, P. Salvemini

Institutional Efficiency as a Determinant of Sustainable Fisheries Management – Experimental Insights

B. Debelić, Da. Mance, Di. Mance

The Role of Posidonia Oceanica Banquettes and Their Ecosystem Services Along Southern and North-Western Coast of Sicily: Implications for Sustainable Coastal Management

I. Dentamare, V. Lauria, M. Calabrò, E. Chianese, U. Grande, E. Buonocore, P.P. Franzese, G.F. Russo, E.C. Sabatella

Human activities impact on conservation status of Caretta caretta in Tyrrhenian Sea (Campania, Italy)

E. Esposito, M. Oliviero, D. Iaccarino, M. De Bonis, G. Paduano, A. Affuso, S. Hochscheid, G. Galiero, F. Di Nocera

Monitoring of arboreal potential in semi-arid Mediterranean regions using remote sensing and geospatial techniques

A. Farroudj, A. Fougou, L. Aouidane

Silvicultural and vegetation restoration interventions in a coastal holm oak forest affected by Acute Oak Decline (AOD)

F. Ferraro, C. Rugge, A. Longo, S. Mennonna

- Storm-driven habitat dynamics and breeding success of coastal birds on a sandbank (Marano and Grado Lagoon, NE Italy)*
S. Fracaros, S. Sponza, A. Bezzi, G. Casagrande, C. Leccardi, D. Martinucci, S. Pillon, C. Popesso, S. Spadotto, G. Fontolan
- The SA.PE.I power line (Gulf of Asinara, Sardinia, Italy) and the installation of anti-trawling modules: long term monitoring of fish fauna in a coastal environment*
G. Franceschini, B. Catalano, B. Di Lorenzo, L. Ciaralli, E. Monfardini, U. Scacco, O. Nonnis
- Composition and structure of macro-phytobenthos in marine wrack on the beaches along the western coast of Istria*
A. Fućak, L. Iveša, Di. Mance, A. Bilajac, E. Gljuščić
- A new monitoring protocol for assessing the impact of abandoned fishing gears on coralligenous reefs within the strong sea life project*
P. Gennaro, S. Lomiri, P. Tommasetti, S. Di Muccio, M.F. Cinti, L. Piazzi
- Reaction of Some Varieties of the Malus Pumila Mill Apple Tree to Abiotic Conditions in the South of Hodna, Algeria*
M. Hamadani, F. Hoceni, A. Hoceni, N. Bouterra, M. Sellami
- Monitoring of Spatial Variation of Nutrients and Acidification Parameters in the Coastal Waters of Bou-Ismaïl Bay (Southwestern Mediterranean Sea)*
A. Inal, M. Benhalima, C. Boudades, R. Kherchache, Y. Benchama, S. E. Hazem, S. Gheribi, L. Daoudi
- Floristic Study of Coastal Dunes in Eastern Algeria*
H. Khennouf
- Monitoring the Vegetation Cover Changes within an Italian Transgressive Dune System: the Case of Pistis (Sardinia, Italy)*
C. Leccardi, A. Bezzi, F. Petruzzellis, D. Martinucci, G. Casagrande, G. Fontolan
- Assessment of seabed habitats subjected to physical damage along the Sicilian coastline within the framework of the Marine Strategy (D. lgs. 190/2010) through the use of multiparametric indices*
F. Luzzu, V. Pennino, S. Campanella, A. Abita
- Monitoring of macroalgae using the CARLIT methodology along the coasts of the Circeo Promontory and the Islands of Ventotene and Zannone*
E. Madeo, T. Notargiacomo, L. Aguzzi, M. Giganti
- Marine litter ingested. by loggerhead sea turtle Caretta caretta (Linnaeus, 1758) in Tuscany waters (North-Western Mediterranean Sea)*
C. Mancusi, G. Terracciano, M. Senese, M. Maestrini, L. Marsili, A. Melley
- Caretta caretta nesting in Tuscany (Northwestern Mediterranean Sea): an update of a new expansion phenomenon*
C. Mancusi, A. Melley, L. Marsili, F. Capanni, L. Minoia, Y. Galletti, M.A.L. Zuffi, M. Maestrini, F. Bellagamba, I. Fabbri, F. Procacci, V. Capitani, A. Argenio, C. Olobardi, I. Tonso, L. Ardita, C. Giannelli, L. Papetti, D. Pagli, L. Tonelli
- Optimal Sites for the Conservation of the Critically Endangered Pinna Nobilis*
M. F. Mesquida-Sastre, R. González, R. Santiago-Doménech, E. Álvarez, M. Vázquez-Luis
- Life Tetide project, first steps in the management of invasive plant species in Mediterranean island ecosystems*
A. Misuri, R. Benesperi, L. Dell'Olmo, B. Foggi, M. Giunti, M. Mugnai, D. Viciani, L. Lazzaro
- Dual contribution of phytoplankton and microphytobenthos to coastal ecosystem functioning: Insights from a spring survey in Tamentfoust (Algerian coast)*
Z. Mokrane
- Satellite-Based Posidonia oceanica Mapping in Complex Waters*
M. Mole, N. Basos, M. Chowdhury, M. Ramirez, I. De La Calle
- Roots damage in sea turtle nest: cases from Tuscany indicative for nest management*
D. Pagli, D. Scaravelli, M. Marcucci, M. Cristini, L. Fattorosi, L. Papetti
- Harmful Algal Blooms Events along Coast of The Southern Tyrrhenian Sea (Italy): Focus on Phytoplankton Producer of Toxins and their Accumulation in Molluscs*
A. Pepe, M. Oliviero, D. Capozzo, V. Castellano, M. Esposito, P. Gallo, G. Paduano, D. Iaccarino, E. Esposito, F. Di Nocera, S. Canzanella
- Supporting the Recovery of Paracentrotus lividus Populations in the Mediterranean: Reseeding Experiments and Monitoring Tools*
L. Piacentini, O. El Idrissi, M. Demolliens, A. Libeau, J.-F. Luca, S. Gaillard, A. Vela, J.-J. Filipp, V. Pasqualini, S. Ternengo
- Monitoring of coralligenous cliffs in Meloria Shoals Marine Protected Area through the STAR protocol*
L. Piazzi, A.M. Debiasi, L. Pacciardi, M. Pertusati, M.F. Cinti, A. Porchera, C. Pretti
- Exploring the ecological suitability of biochar-based concrete for marine uses: evidence from pioneering laboratory and field experiments*
M. Piccardo, S. Bevilacqua

Smart Technologies for Sustainable Water Use in Mediterranean Agroecosystems

A. Piga, S. Bortolu, E. Vagnoni, P. Duce, C. Cesaraccio

Eusharks Life Project: Role of the ITCG in the Conservation and Safeguard of Mediterranean Elasmobranchs. Data Collection, Training, Operational Protocol and Results Analysis

M. Pisconti, F. Galeano, E. De Sabata, F. Spagnuolo, S. Clo

*Seasonal Gametogenesis and Sexual Maturity of European Anchovy *Engraulis encrasicolus* (Linnaeus, 1758) (*Clupeiformes: engraulidae*) in the Gulf of Béjaïa, Algeria*

A. Rahmani, M. Iguer-Ouada

The critical status of the striped venus clam exploited by fishery in the Southern Adriatic Sea is not just a case of overfishing

P. Ricci, D. Cascione, G. Cipriano, F. P. De Luca, R. Carlucci

Describing macro-epibenthic communities and geomorphology of biogenic outcrops through underwater photogrammetry: preliminary findings from the Northern Adriatic Sea

A. Sabino, M. Cosma, A. Bergamasco, F. Bernardi Aubry, S. Donnici, I. Guarneri, G. Pessa, A. Volpi Ghirardini, L. Tosi, M. Sigovini

The Evolution of Colonization Success and Failure in a Marine Snail: Implications for Monitoring and Managing Coastal Ecosystems

B. Sammarco, R. Biello, D. Carmelet Rescan, L. Bosso, R. K. Butlin, K. Johannesson, A. M. H. Blakeslee, A. M. Westram, B. Han, L. Mizzan, M. J. Magalhães, R. M. Macieira De Faria, L. Locatello, A. Chang, A. Benazzo, F. Raffini

*The Social Dimension of Beached *Posidonia* Management: Investigating Stakeholders' Willingness to Adopt Sustainable Banquettes Management Practices in The Metropolitan City of Bari*

A. Santacesaria, G. Motta Zanin

Autochthonous microorganisms as indicators of the state and changes in the marine environment

D. Šantić, A. Vrdoljak Tomaš, S. Šestanović

Analysis of Automatic Identification System (AIS) Data to Evaluate the Impact of Shipping Traffic on North-West Mediterranean Particularly Sensitive Sea Area (NW-PSSA)

I. Santic, A. Capone, M. Marrazzo, B. Sorgente, M. De Lauro, S. Mauro

Quantifying the resilience of coastal phytocoenoses through a trait-based Adaptation Index

L. Schmidbauer, G. Micallef, J. Buhagiar, S. Lanfranco

The Missing Link: Integrating Microbial Indicators into Descriptor 4 (Marine Strategy Framework Directive)

S. Šestanović

URCHIN Project in AMP Parco Sommerso di Gaiola and ZSC IT8030041 "Gaiola and Nisida Marine Seabeds"

M. Simeone, L. Piazzini, G. Mazzero, V. Somma, P. Masucci

Five-Year Monitoring Study of the Macrozoobenthic Communities in the Port of Livorno

M. Targusi, F. Bertasi, L. Marusso, D. Vani, S. Porrello, L. Grossi, T. Bacci, B. La Porta, S. Macchia, P. Gennaro, L. Morroni, M. Colombo, P. Tomassetti

Spatial-temporal Variation of Fouling Alien Species in the Port of Livorno (Italy) and its Relationship with Dissolved Organic Matter (DOM)

J. Tempesti, L. Romani, M. Carloni, S. Valsecchi, C. Santinelli, C. Lardicci, E. Balestri, A. Castelli

Changes in Small Pelagic Fish Assemblages in the Adriatic Sea – A Challenge for Future Management

V. Tičina

Temporal Dynamics of Dissolved Organic Matter (DOM) at four Mediterranean coastal sites

C. Tropea, N. Antonicelli, G. Bachi, E. Balestri, S. Bedini, M. Carloni, M. Castellano, A. Castelli, M. Celussi, G. Checcucci, M. Coci, C. De Vittor, M. Furia, M. Guerrazzi, G. Luna, S. Magozzi, F. Margiotta, F. Massa, P. Povero, G. Quero, S. Retelletti Brogi, D. Sarno, L. Vezzulli, C. Santinelli

Conservation & Human Use Index: A practical tool for identifying conflicts and synergies between conservation goals and human use in coastal areas

P. Vayanou, P. Georgiou, C. Kounnamas, N. G. Eliades

Socio-ecological approach for Mediterranean Integrated Coastal Zone Management (ICZM) under Global Change

I. Vincent, G. Kokkoris, S. Malatesta, G. Tsirtsis

Feeding Ecology of Nine Marine Fish Species from the Eastern Adriatic: Implications for Ecosystem Monitoring and Management

B. Zorica, M. Šestanović, G. Brzulja, V. Vuletin, P. Kuzmanić, F. Rožić

**Session Geography, Tourism and Landscape of the coastal areas.
Enhancement, safeguarding and dynamics of the territory.**

MedCoast: A living lab to study Nature-based Solutions in the French Mediterranean coast

E. Antonsanti, A. Varenne, B. Boutroue, T. Leydier, M-L. Tremelo, V. Pasqualini, P. Monfort, S. Robert, S. Ghiotti

Evaluating the influence of sustainable tourism (3S) on the coastal area within the framework of ICZM through the lens of sustainable development in the coastal region of North Cyprus

T. Arefipour

Little-Known and Neglected Aspects of the Industrialization of the Tuscan Coast Between the Nineteenth and Twentieth Centuries

F. Berti C. Faralli, M. De Vincenzi, G. Fasano

The Cinque Terre National Park as a laboratory for integrated governance for coastal sustainability

G. Bianchi, E. Raso, F. Marchese, M. Perrone, I. Lavarello

The Seaside Holiday Colonies of Calambrone (Pisa, Italy) in the 1930s

B. Casini, M. De Vincenzi, G. Fasano

Processes and methodologies. Strategic masterplan for New Regional Maritime District of Friuli Venezia Giulia

G. Casolino, T. Bisiani

Palermo's Wounded South-Eastern Coast: Beyond Regeneration, Towards Urban Care?

C. Di Lucchio

The Touristic Importance of the Libyan Coast: The Heritage Sites and Development of Sustainable Tourism. The Case of Leptis Magna

F. T. Ermaih

"From Protection to Governance: The Experience of the Marine Protected Area (MPA) of "Taza" (Algeria, Southwestern Mediterranean)

S. E. Guedri, S. C. Chakour, I. Yahiaoui

Integrating coastal conservation and cycling sustainable tourism: a case study from the Dune Costiere Park, Apulia (Italy)

A. Ivona, D. Privitera

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