

Marine and Inland Waters Research Symposium

former Panhellenic Symposium on Oceanography & Fisheries

2022

P R O G R A M M E

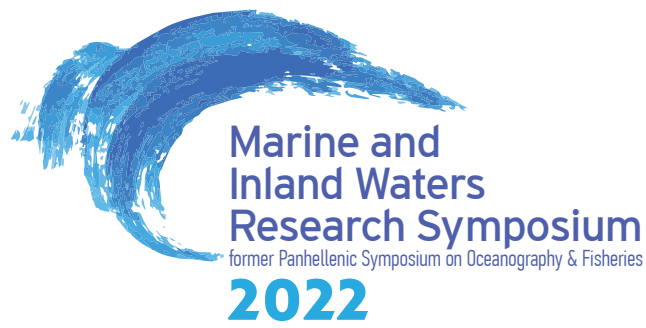
AKS Porto Heli Conference Center, Porto Heli, Argolida, Greece
16-19 September 2022



Supported by the
HCMR Researchers Association and the
Panhellenic Association of the HCMR Employees



Under the auspices of the
Hellenic Centre for Marine Research



AKS Porto Heli Conference Center, Porto Heli, Argolida, Greece
16-19 September 2022

PROGRAMME

16 September 2022, Friday

17:00-19:00	REGISTRATION
19:30	OPENING - WELCOME COCKTAIL

Day 1 – 17 September 2022, Saturday

ROOM 1		ROOM 2	
09:00-11:00	Physical & Chemical Oceanography/Marine Technology	Marine and Freshwater Biodiversity and Ecosystem Functioning	
Coffee Break			
11:30-13:00	Climate change I	Management of Marine Biological Resources	
Lunch Break			
15:00-16:00	INVITED LECTURE - Dr Dimitra Mylona		
Coffee Break			
16:30-18:30	Environmental Quality - Pollution	Fish, Fisheries and Fishers	
18:30-19:00	INVITED LECTURE - Aristofanis Stefatos, George Mikoniatis		
20:00	DINNER		

Day 2 – 18 September 2022, Sunday

ROOM 1		ROOM 2
09:00-10:30	Climate change II	Special Session: Invasive Alien Species: the shipping vectors and state-of-the art technologies to minimize transfers.
Coffee Break		
11:00-13:00	Special Session: Mediterranean Sea (and Fresh Water) Literacy in the Era of 2030 Agenda for Sustainable Development and Decade of Ocean Science for Sustainable Development (2021-2030)	Ecology and Management of Inland Waters Special Session: Vulnerability of freshwater ecosystems to multiple stressors impacts
Lunch Break		
15:00-16:00	INVITED LECTURE - Prof. Arianna Azzellino	
Coffee Break		
16:30-18:00	EU Marine Policies Implementation-Informatics in Marine Sciences	
19:00-20:30	OPEN EVENT	

Day 3 – 19 September 2022, Monday

ROOM 1		ROOM 2	
09:00-10:00	INVITED LECTURE - Dr Sylvie Pouliquen		
10:00-11:30	Special Session: Argo floats contribution to the marine research and operational monitoring of the Mediterranean Sea – Evolution, Achievements, and Future Needs	Marine Geology & Geophysics /Seismology- I	
Coffee Break			
12:00-13:30	Genetic approaches in aquatic sciences	Marine Geology & Geophysics /Seismology- II	
Lunch Break			
15:00-17:00	Special Session: Anthropogenic Litter and Plastics Pollution	Aquaculture	
Coffee Break			
17:30-19:00	Seaweed & seagrass diversity, physiology and biotechnological applications	Special Session: The big picture matters: Whole ecosystem approach in the field and in experiments	
19:00-19:30	CLOSURE		

Day 1 – 17 September 2022, Saturday ROOM 1

9:00-11:00 Physical & Chemical Oceanography/Marine Technology

Chair: Tsabaris C., Pavlidou A.

9:00-9:15	Revisiting the hydrodynamic circulation regime of Thermaikos gulf, Greece	Kolovoyiannis V. <i>et al.</i>
9:15-9:30	Storm surges during a medicane in the Ionian Sea	Androulidakis Y. <i>et al.</i>
9:30-9:45	Towards more realistic Ekman spirals: two-layer piecewise constant diffusivity case	Tsakalaki K. <i>et al.</i>
9:45-10:00	Phosphorus dynamic and phytoplankton photosynthetic responses in the north Aegean Sea, eastern Mediterranean: the first results	Lachanidou G. <i>et al.</i>
10:00-10:15	Parametric analysis of the wave trapping phenomenon in rhombus-forming cylindrical arrays	Mazarakos T.P. and Manioudakis N.P.
10:15-10:30	Design and Application of Underwater RADIOACTIVITY SYSTEMS for studying Intense SUB-MARINE SPRINGS in Greece	Tsabaris C. <i>et al.</i>
10:30-10:45	AEGIS: a pilot coastal observatory for semi-enclosed basins	Zervakis V. <i>et al.</i>
10:45-11:00	Discussion	

11:00-11:30 Coffee break

11:30-13:00 Climate change I

Chair: Orfanidis S., Androulidakis Y.

11:30-11:45	Marine heat waves and SST variability over Aegean, Ionian and Cretan seas	Androulidakis Y. & Krestenitis Y.
11:45-12:00	Coastal hazards under climate variability and change – the case of Santorini and Crete (Aegean Sea)	Monioudi I.N. <i>et al.</i>
12:00-12:15	Nearshore hydrodynamic processes related to shoreline retreat due to seal level rise induced by climate change, along the northern coast of Messiniakos gulf (Ionian Sea)	Koumpou S.V. <i>et al.</i>
12:15-12:30	Study of beachrock formations and response to the upcoming sea level rise in three touris-tic beaches of Mykonos Island	Petrakis S. <i>et al.</i>
12:30-13:00	Discussion	

13:00-15:00 Lunch break

15:00-16:00 Invited Lecture (ROOM 1): “Fishing cultural heritage: nostalgia or a view towards the future?”
Dr Dimitra Mylona, INSTAP Study Center for East Crete.

16:00-16:30 Coffee break

16:30-18:30 Environmental Quality - Pollution

Chair: Prospathopoulos A., Parinos K.

16:30-16:45	Monitoring the underwater soundscape of a “quiet” shallow-water coastal marine envi-ronment in the Aegean Sea	Kassis D. <i>et al.</i>
16:45-17:00	Deep learning techniques for the detection and classification of sperm whale and striped dolphin bioacoustic patterns	Makropoulos D. <i>et al.</i>
17:00-17:15	Combining in-situ and satellite data for turbidity monitoring in coastal waters: Vouliag-meni bay, Greece	Kikaki K. <i>et al.</i>
17:15-17:30	Multidisciplinary approach in a submarine gushing, Gulf of Gera, Lesvos Island	Pappa F.K. <i>et al.</i>
17:30-17:45	Elemental content of commercial and non-commercial fish from Thermaikos gulf: nutri-tional benefits and public health risks	Kalantzi I. <i>et al.</i>
17:45-18:00	Trophic status evolution in Thermaikos Gulf during 1995-2007	Zachioti P. <i>et al.</i>
18:00-18:15	Innovative quality monitoring of inland waters in Greece with the use of unmanned boats and hydro-telemetric stations	Katsouras G. <i>et al.</i>
18:15-18:30	Discussion	

18:30-19:00 Invited Lectures (ROOM 1): Aristofanis Stefatos, HEREMA: “HEREMA’s role in the transformation of the Hel-lenic energy system towards a carbon free future”

George Mikoniatis, HELPE UPSTREAM: “Environmental Practices while conducting geophysical surveys in the Ionian Sea”

20:00 Dinner

Day 1 – 17 September 2022, Saturday ROOM 2

9:00-11:00 Marine and Freshwater Biodiversity and Ecosystem Functioning

Chair: Lampadariou N., Sevastou K.

9:00-9:15	Collapsing coastal reefs: the case of Gyaros marine protected area and the north Cyclades isl., Aegean Sea, Greece	Salomidi M. <i>et al.</i>
9:15-9:30	Setting an ecological baseline for regional-scale monitoring of <i>Posidonia oceanica</i> mead-ows in the Greek seas (NE Mediterranean)	Gerakaris V. <i>et al.</i>
9:30-9:45	Use of sediment geochemistry and imaging techniques for habitat characterization of <i>Holothuria poli</i> (Delle Chiaje, 1823): preliminary results	Chatzivasileiou D. <i>et al.</i>
9:45-10:00	Metrics of benthic communities in the Ionian Sea	Lampa M. <i>et al.</i>
10:00-10:15	Functional spatial units along Mediterranean benthic habitats	Katsiaras N. <i>et al.</i>
10:15-10:30	Phytoplankton diversity indicators in the open waters of the Aegean and Levantine seas (Eastern Mediterranean) towards pelagic habitat assessment for MSFD	Varkitzi I. <i>et al.</i>
10:30-10:45	Spatio-temporal variability in mesozooplankton diversity patterns in the Aegean Sea	Sakavara A. <i>et al.</i>
10:45-11:00	The zooplankton fauna of the north Aegean Sea: a literature review	Gkoulia A. <i>et al.</i>

11:00-11:30 Coffee break

11:30-13:00 Management of Marine Biological Resources

Chair: Tsangari C., Kalantzi I.

11:30-11:45	Ten years of marine turtles stranding events in the Greek seas	Giannoulaki M. <i>et al.</i>
11:45-12:00	Stranding events of small cetaceans in the Greek seas: how many, where and why	Giannoulaki M. <i>et al.</i>
12:00-12:15	Identifying potential areas for seagrass transplantation in transitional waters	Bray L. <i>et al.</i>
12:15-13:00	Discussion	

13:00-15:00 Lunch break

15:00-16:00 Invited Lecture (ROOM 1): “Fishing cultural heritage: nostalgia or a view towards the future?”
Dr Dimitra Mylona, INSTAP Study Center for East Crete.

16:00-16:30 Coffee break

16:30-18:30 Fish, Fisheries and Fishers

Chair: Anastasopoulou A., Tsikliras A.

16:30-16:45	Age and growth of <i>Boops boops</i> (L., 1758), in the Ionian and south Aegean seas	Nikiforidou V. <i>et al.</i>
16:45-17:00	Morphometric measurements of <i>Pagellus bogaraveo</i> (Brünnich, 1768) otoliths in the Greek seas	Nikiforidou V. <i>et al.</i>
17:00-17:15	Comparative shape morphology of the sagittal otoliths between common and Egyptian soles from central Greece	Charpila E. A. <i>et al.</i>
17:15-17:30	Updated gap analysis on the biology of Mediterranean marine fishes	Daskalaki E. <i>et al.</i>
17:30-17:45	Seasonal distribution of ichthyoplankton assemblages in Maliakos Gulf (Eastern Mediter-ranean)	Rokana Ch. <i>et al.</i>
17:45-18:00	A Métiers-based characterization of Greek longline fisheries in Greece: preliminary results	Politikos D. <i>et al.</i>
18:00-18:15	Use of AIS data to assess bottom trawl fishing effort in international waters of the Aegean Sea	Vlachaki A. <i>et al.</i>
18:15-18:30	Bottlenose dolphin depredation impacts on the Thermaikos gulf gillnet fishery based on experimental fishing and questionnaire data	Garagouni M. <i>et al.</i>

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George Mikoniatis, HELPE UPSTREAM: “Environmental Practices while conducting geophysical surveys in the Ionian Sea”

20:00 Dinner

Day 2 – 18 September 2022, Sunday ROOM 1

9:00-10:30 Climate change II
Chair: Gogou A., Apostolaki E.

9:00-9:15	Estimates for beach retreat in eight pocket beaches of the SW Messinia (Ionian Sea, Greece)	Drosinou G-M. <i>et al.</i>
9:15-9:30	Habitat suitability curves for benthic macroinvertebrates from a large north African river (Oum Er-Rbia, Morocco)	Vagenas, G. <i>et al.</i>
9:30-9:45	Blue carbon stocks in seagrass (<i>Posidonia oceanica</i>) meadows of the south Aegean region	Apostolaki E.T. <i>et al.</i>
9:45-10:00	Types of thermal and osmotic interactions in <i>Cymodocea nodosa</i> of Macedonian and Thracian coasts, Greece	Tsioli S. <i>et al.</i>
10:00-10:15	International and EU policies and legislation for coastal floods	Velegrakis A. <i>et al.</i>
10:55-10:30	Discussion	

10:30-11:00 Coffee break

11:00-13:00 Special Session: Mediterranean Sea (and Fresh Water) Literacy in the Era of 2030 Agenda for Sustainable Development and Decade of Ocean Science for Sustainable Development (2021-2030)
Chair: Koulouri Y., Andriopoulou A.

11:00-11:15	Mapping the ocean literacy movement: experiences from the past, present initiatives, and future expectations	Mogias A. <i>et al.</i>
11:15-11:30	The blue challenge framework: a guide for the development and implementation of blue challenges at schools	Alvisi F. <i>et al.</i>
11:30-11:45	A blue pedagogical initiative for high school students and educators in Mediterranean region	Andriopoulou A. <i>et al.</i>
11:45-12:00	EMSEA educational activities promoting ocean literacy in the Mediterranean region	Cheimonopoulou M. <i>et al.</i>
12:00-12:15	Scientists for ocean literacy - empowering scientists as ocean advocates in the UN decade of ocean science for sustainable development 2021-2030	Eparkhina D. <i>et al.</i>
12:15-12:30	A citizen science study on marine mammals in Pagasitikos gulf (Greece); preliminary results	Akritopoulou E. <i>et al.</i>
12:30-12:45	Implementing open schooling for polymer plastics scientific literacy	Garedaki E. <i>et al.</i>
12:45-13:00	Athens Water Forum as a paradigm shift for public awareness	Apostolopoulou K. <i>et al.</i>

13:00-15:00 Lunch break

15:00-16:00 Invited Lecture (ROOM 1): “Risk environmental impact assessment: principles, methods and paradigms”
Prof. Arianna Azzellino, Politecnico di Milano, Dpt. of Civil and Environmental Engineering

16:00-16:30 Coffee break

16:30-18:00 EU Marine Policies Implementation-Informatics in Marine Sciences (ROOM 1)
Chair: Iona A., Paramana T.

16:30-16:45	Identification of strengths, weaknesses, opportunities and threats for fishing communities in the Ionian Sea: integration of stakeholders’ perspectives stemming from research projects	Liontakis A. <i>et al.</i>
16:45-17:00	Assisting the integration of MSFD & MSPD in the Mediterranean	Paramana, T. <i>et al.</i>
17:00-17:15	Benthic communities within the EU marine strategy framework directive: meiofauna and macrofauna patterns from the deep sea	Sevastou K. <i>et al.</i>
17:15-17:30	EMODNET Ingestion and safe-keeping of marine data	Iona A. <i>et al.</i>
17:30-17:45	A marine monitoring system of the Hellenic seas using remote sensing and in-situ data: the MARRE project	Iona A. <i>et al.</i>
17:45-18:00	The smart drifter cluster: a new challenge for marine monitoring	Bianucci M. <i>et al.</i>

19:00-20:30 Open event

Round table (ROOM 1): Healthy marine environment and Development: Can they coexist?

Day 2 – 18 September 2022, Sunday ROOM 2

9:00-10:30 Invasive Alien Species
Chair: Zervoudaki S., Chatzigeorgiou G.

9:00-9:15	Risk Assessment of non-indigenous species’ introduction Into the Saronikos Gulf	Zenetos A. <i>et al.</i>
9:15-9:30	Modelling the spatial distribution of three Red Sea species in the Greek seas	Solanou M. <i>et al.</i>
9:30-9:45	Benthic diversity patterns in 4 major marinas of Greece (with new records of alien species) – ALIENPORTS project	Chatzigeorgiou G. <i>et al.</i>
9:45-10:00	The impact of <i>Lagocephalus sceleratus</i> (Gmelin, 1789) on small - scale fisheries in Crete: preliminary results	Christidis G. <i>et al.</i>
10:00-10:15	Fishers’ perceptions on the status and impact of the alien fish <i>Siganus luridus</i> and <i>S. rivulatus</i> in the Aegean and Ionian seas	Vagenas, G. <i>et al.</i>
10:15-10:30	Technical quality and nutritional value of four invasive fish species	Grigorakis K. <i>et al.</i>

10:30-11:00 Coffee break

11:00-12:00 Special Session: Vulnerability of freshwater ecosystems to multiple stressors impacts
Chair: Karaouzas I., Kalogianni E.

11:00-11:15	Identification of rivers’ response to climate related stressors using a simple statistical approach	Mentzafou A. <i>et al.</i>
11:15-11:30	Ecological status and trends of lake Kastoria: ten years of biological monitoring	Kemitzoglou D. <i>et al.</i>
11:30-11:45	Animal behaviour research as a tool for freshwater fish conservation: the behavioural effects of turbidity	Leris I. & Kalogianni E.
11:45-12:00	A short review of hydraulic-habitat modelling for environmental flows	Papadaki Ch. <i>et al.</i>

12:00-13:00 Ecology and Management of Inland Waters
Chair: Oikonomou A., Smeti E.

12:00-12:15	Methodological framework and implementation of conservation actions for two threatened cyprinids in an intermittent river	Vardakas L. <i>et al.</i>
12:15-12:30	Taxonomic vs functional patterns in benthic diatoms in Greek rivers- implications for biomonitoring	Masouras A. <i>et al.</i>
12:30-12:45	A comparative analysis of food web models in lentic ecosystems	Vagenas, G. <i>et al.</i>
12:45-13:00	Assessing the trophic levels of fish species at a temperate lake via stable isotope analysis	Petrocheilou D. <i>et al.</i>

13:00-15:00 Lunch break

15:00-16:00 Invited Lecture (ROOM 1): “Risk environmental impact assessment: principles, methods and paradigms”
Prof. Arianna Azzellino, Politecnico di Milano, Dpt. of Civil and Environmental Engineering

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17:45-18:00	The smart drifter cluster: a new challenge for marine monitoring	Bianucci M. <i>et al.</i>

19:00-20:30 Open event

Round table (ROOM 1): Healthy marine environment and Development: Can they coexist?

Day 3 – 19 September 2022, Monday ROOM 1

09:00-10:00 Invited Lecture (ROOM 1): “European Research Infrastructures and oceanographic data in Europe”,
Dr Sylvie Pouliquen, IFREMER

10:00-11:30 Special Session: Argo floats contribution to the marine research and operational monitoring of the Mediterranean Sea – Evolution, Achievements, and Future Needs
Chair: Evrard E., Kassis D.

10:00-10:15	Introduction on the importance of BGC-Argo for the monitoring of Mediterranean marine ecosystems	Dr Emanuele Organelli, CNR-ISMAR
10:15-10:30	Monitoring targeted shallow/coastal waters of the Mediterranean Sea with Argo floats	Notarstefano G. <i>et al.</i>
10:30-10:45	Argo float missions in targeted coastal areas of the Aegean Sea	Kassis D.
10:45-11:00	Preliminary delayed-mode quality control activity of deep Argo data in the Mediterranean Sea	Gallo A. <i>et al.</i>
11:00-11:15	Ventilation processes in the south Adriatic pit convection area	Martellucci R. <i>et al.</i>
11:15-11:30	Combining glider data with satellite data to study mesoscale coherent vortices in Sardinia channel	S. Ben Ismail <i>et al.</i>

11:30-12:00 Coffee break

12:00-13:30 Genetic approaches in aquatic sciences
Chair: Louizidou P., Tsigenopoulos C.

12:00-12:15	An improved genome assembly for the European sea bass <i>Dicentrarchus labrax</i> using long read sequencing data	Papadogiannis V. <i>et al.</i>
12:15-12:30	A detailed examination of algae species from a coralligenous site of Rhodes Island (Dodecanese, Greece)	Louizidou P. <i>et al.</i>
12:30-12:45	Molecular identification of a parasitic mite found in the respiratory system of a stranded Mediterranean monk seal in the area of Pagasitikos gulf	Koitsanou E. <i>et al.</i>
12:45-13:00	Qualitative composition of biofouling organisms: a study on commercial vessels from Saronikos gulf	Gratsia E. <i>et al.</i>
13:00-13:15	Parentage analysis and estimation OF genetic parameters at different ages in meagre <i>Argyrosomus regius</i>	Tasiouli K. <i>et al.</i>
13:15-13:30	The finding of the minute chromophyte algae <i>Schizocladia ischiensis</i> (schizocladiphyceae, ochrophyta) at a coralligenous site of the northeast coast of Rhodes (Greece) raised by germling emergence from substratum	Louizidou P. <i>et al.</i>

13:30-15:00 Lunch break

15:00-17:00 Special Session: Anthropogenic Litter and Plastics Pollution
Chair: Zeri C., Topouzelis K.

15:00-15:15	Leveraging artificial intelligence for tackling marine litter pollution: a survey and a web database	Politikos D.
15:15-15:30	Preliminary results on the vertical distribution of microplastics in the Aegean and Levantine seawaters. Insights of from two different sampling nets	Adamopoulou A. <i>et al.</i>
15:30-15:45	Beach sediment microplastics in the N. Aegean Sea, Greece	Georgiadis C.G. <i>et al.</i>
15:45-16:00	Ingested litter by sea turtles across the Greek coastline: an assessment on the types, shapes and possible sources.	Digka N. <i>et al.</i>
16:00-16:15	Microplastic contamination in cultured mussels and pearl oysters of Evoikos gulf: preliminary results	Manolaki S.M. <i>et al.</i>
16:15-16:30	Preliminary assessment and results on microplastics ingested by two commercial fish from the northern Aegean Sea	Papadamakis P. <i>et al.</i>
16:30-15:45	Preliminary results of plastic pollution in <i>Aristaeomorpha foliacea</i> (Risso, 1827) in the eastern Ionian Sea	Bordbar L. <i>et al.</i>
16:45-17:00	Blue economy and marine litter: a systems thinking approach	Kastanidi E. <i>et al.</i>

17:00-17:30 Coffee break

Day 3 – 19 September 2022, Monday ROOM 2

09:00-10:00 Invited Lecture (ROOM 1): “European Research Infrastructures and oceanographic data in Europe”,
Dr Sylvie Pouliquen, IFREMER

10:00-11:30 Marine Geology-Geophysics I: Geomorphology - Tectonics – Sedimentation – Marine Aggregates
Chair: Kapsimalis V., Hasiotis Th.

10:00-10:15	Geomorphological features of the east Mediterranean Sea	Sakellariou D. <i>et al.</i>
10:15-10:30	Seismic stratigraphy and structure of Myrtoon basin: preliminary results	Tsampouraki-Kraounaki K. <i>et al.</i>
10:30-10:45	Sedimentation processes in the South Aegean (preliminary results)	Manta K. <i>et al.</i>
10:45-11:00	Geomorphology of the current-swept south Evia shelf, Greece	Petsimeris I.Th. <i>et al.</i>
11:00-11:15	Marine Aggregates Deposits in the inner shelf of the SE Evia Island, Aegean Sea, Greece	Anastasatou M. <i>et al.</i>
11:15-11:30	Comparison between CPT undrained shear strength and vane test measurements in surficial marine sediments	Chtouris N.K. <i>et al.</i>

11:30-12:00 Coffee break

12:00-13:30 Marine Geology-Geophysics II: Seafloor / Habitat mapping - Coastal dynamics - Optics
Chair: Poulos S., Karageorgis A.

12:00-12:15	Guidelines and best practices for marine habitat mapping in the Hellenic seas	Sakellariou D. <i>et al.</i>
12:15-12:30	Holocene records of oyster reefs in a semi-enclosed embayment, Kalloni gulf, Greece	Manoutsoglou E. <i>et al.</i>
12:30-12:45	An unusual coastal depression at eastern Lesvos Island - assuming possible formation mechanisms	Lioupa V. <i>et al.</i>
12:45-13:00	High frequency shoreline and wave run-up detections through optical video imagery. Example from Kamari beach, Santorini	Chatzipavlis A.E. <i>et al.</i>
13:00-13:15	Measuring and modelling the optical properties in the Cretan Sea	Chaikalis S. <i>et al.</i>
13:15-13:30	Discussion	

13:30-15:00 Lunch break

15:00-17:00 Aquaculture
Chair: Kotsiri M., Vassilaki A.

15:00-15:15	Impacts of aquaculture on chemical components in the water column on horizontal and vertical scales	Petre M. L. <i>et al.</i>
15:15-15:30	Fish farm cages above seagrass meadows: can we reduce their footprint?	Litsi-Mizan V. <i>et al.</i>
15:30-15:45	Seasonal changes of energy reserves and metabolic patterns in <i>Pagrus pagrus</i> (red porgy).	Makri V. <i>et al.</i>
15:45-16:00	Diel oscillations in microbial plankton communities in aquaculture environment	Papachristou I. <i>et al.</i>
16:00-16:15	Preliminary results on the effect on growth performance of zebra-fish <i>Danio renio</i> when fed on diets containing different bioactive compounds.	Barka F. <i>et al.</i>
16:15-16:30	Consumer acceptance of fresh fish packaged with CO ₂ -emitting pads	Nanou E. <i>et al.</i>
16:30-16:45	The effect of salinity and light intensity on the batch cultured cyanobacteria <i>Anabaena sp.</i> and <i>Cyanothece sp.</i>	Hotos G. N. <i>et al.</i>
16:45-17:00	Determination of the carotenoid profile of <i>Tetraselmis striata</i> grown under different cultivation conditions using UPLC-QTOF	Kampantais D. <i>et al.</i>

17:00-17:30 Coffee break

17:30-19:00 Seaweed & Seagrass Diversity, Physiology and Biotechnological Applications		
Chair: Papathanasiou V., Tsioli S.		
17:30-17:45	Meeting of the Hellenic Phycological Society Member Award (Dr P. Panagiotidis)	
17:45-18:00	The physiological responses of two fucalean species to increasing ammonium concentrations: ecological and aquaculture considerations	Nakou K. <i>et al.</i>
18:00-18:15	First <i>in vitro</i> study of early developmental stages of <i>Gongolaria montagnei</i> (= <i>Cystoseira spinosa</i>) (fucales, phaeophyta)	Lardi P.I. <i>et al.</i>
18:15-18:30	Morphological and physiological plasticity of two north Aegean Sea, Greece, <i>Cymodocea nodosa</i> meadows	Papathanasiou V. <i>et al.</i>
18:30-18:45	Phytomyxid parasite presence in a <i>Halophila stipulacea</i> meadow near a fish-farm in south Evoikos gulf (Greece)	N. Zervou <i>et al.</i>
18:45-19:00	The assessment of the habitat type lagoons’ conservation status using benthic macro-phytes in east Macedonia and Thrace national park, Greece: a spatial scale-based study	Kosmidou M. <i>et al.</i>

19:15-19:30 CLOSURE OF THE SYMPOSIUM

17:30-19:00 Special Session: The big picture matters: Whole ecosystem approach in the field and in experiments		
Chair: Pitta P., Tsiola A.		
17:30-17:45	Temporal dynamics of the microbial food web in a coastal station of the eastern Mediter-ranean Sea: a focus on ciliates	Romano F., Pitta P
17:45-18:00	AQUACOSM-plus: an EU-funded RI-project providing access to experimental ecosystems	P. Pitta <i>et al.</i>
18:00-18:15	Brownification in an oligotrophic sea: how a single addition of dissolved organic carbon (DOC) affects the eastern Mediterranean plankton community, preliminary data	G. Ktistaki <i>et al.</i>
18:15-18:30	Assessing the marine scrubbers’ impact on the Saronikos gulf marine ecosystem through the project EMERGE	Zervakis V. <i>et al.</i>
18:30-19:00	Discussion	

19:15-19:30 CLOSURE OF THE SYMPOSIUM

POSTERS

Posters will be posted on the first day of the symposium and will remain posted until the end of the symposium. Authors are requested to be near their poster during the coffee breaks for any questions from the conference.

S2022_004	FIRST RECORD OF SALMO PELAGONICUS KARAMAN, 1938 MOUNTAINOUS POPULATIONS IN ALIAKMONAS AND AXIOS RIVER BASINS OF NORTH GREECE AND COMPARISON TO LOWER ALTITUDES	Cheimonopoulou M. Th. <i>et al.</i>
S2022_005	VARIATIONS IN <i>POSIDONIA OCEANICA</i> MEADOWS IN THERMAIKOS GULF (NORTH AEGEAN SEA, GREECE)	Stefanidis G. <i>et al.</i>
S2022_007	SHORELINE DISPLACEMENTS BASED ON REMOTE SENSING DATA OVER A PERIOD OF 73 YEARS AT SCHINIAS -MARATHON NATIONAL PARK, GREECE	Kourliaftis I. <i>et al.</i>
S2022_008	INTERGRATED APPROACH FOR HABITAT MAPPING USING UAV TECHNOLOGY AND ITS CONTRIBUTION TO FURTHER <i>IN SITU</i> INVESTIGATION CASE STUDY, VOULIAGMENI, ATTICA, GREECE	Vandarakis D. <i>et al.</i>
S2022_009	<i>IN VIVO</i> & <i>IN VITRO</i> EVALUATION OF PRAZIQUANTEL TOXICITY	Kotsiri M. <i>et al.</i>
S2022_012	THE DEVELOPMENT AND APPLICATION OF AN UPGRADED SAMPLING PLATFORM FOR THE STUDY OF BENTHIC BOUNDARY LAYER HABITAT	Manousakis L., <i>et al.</i>
S2022_013	EVALUATION OF FERMENTED SOYA (ME-PRO®) AS PROTEIN SOURCE/FISH MEAL REPLACER IN EUROPEAN SEA BASS DIETS. EFFECTS ON GROWTH AND FEED UTILIZATION	Vasilaki A., <i>et al.</i>
S2022_021	OTOLITHS MORPHOMETRICS IN <i>DENTEX MAROCCANUS</i> (VALENCIENNES, 1830) FROM THE AEGEAN SEA	Leonhard I., <i>et al.</i>
S2022_033	INVESTIGATING PRECIPITATION VARIABILITIES IN GREECE DURING 1950-2020 USING ERA5 DATA	Varlas G., <i>et al.</i>
S2022_036	THE MODERN TOMBOLOS OF GREECE: MORPHOMETRIC CHARACTERISTICS AND MULTIDECADAL EVOLUTION	Petrakis S., <i>et al.</i>
S2022_046	PROXIMATE COMPOSITION AND FILLETING YIELD OF WILD AND EXTENSIVELY CULTIVATED <i>CHELON LABROSUS</i> (RISSO, 1827)	Feidantsis K, <i>et al.</i>
S2022_049	ZINC SPECIATION IN THE MARINE COASTAL SURFACE MICROLAYER	Karavoltsos S., <i>et al.</i>
S2022_055	IMPLEMENTATION OF MARITIME SPATIAL PLANNING AT REGIONAL-LOCAL SCALES: LESSONS LEARNED FROM RESEARCH EFFORTS IN THE IONIAN SEA	Vassilopoulou V. <i>et al.</i>
S2022_065	HEAVY METALS IN SEDIMENT CORES FROM WEST SARONIKOS GULF	Filippi G. <i>et al.</i>
S2022_070	DIVERSITY-ECOSYSTEM FUNCTIONING RELATIONSHIP IN BENTHIC DIATOM ASSEMBLAGES IN RIVERS	Smeti E. <i>et al.</i>
S2022_076	A MACROALGAE-BASED ECOLOGICAL STATUS ASSESSMENT OF SELECTED AREAS ADJACENT TO FISH-FARMS IN GREECE	Zachariadou A. <i>et al.</i>
S2022_078	COMPARATIVE STUDY OF OTOLITH BILATERAL ASYMMETRY BETWEEN TWO FISH SPECIES OF THE FAMILY MULLIDAE: THE NATIVE <i>MULLUS BARBATUS</i> AND THE LESSEPSIAN MIGRANT <i>UPENEUS PORI</i>	Geladakis G. <i>et al.</i>
S2022_081	PHYTOPLANKTON SAMPLING IN GREEK TRANSIENT WATERS: PRELIMINARY RESULTS	Tsirigoti A. <i>et al.</i>

S2022_085	ISOLATION AND GROWTH IN CULTURES OF THE MICROALGA PHAEOCYSTIS, A MUCILAGE BLOOMER FROM THE AEGEAN SEA	Varkitzi I. <i>et al.</i>
S2022_089	PHYTOPLANKTON STUDIES IN GREEK COASTAL LAGOONS	Chantzistrountsiou X. <i>et al.</i>
S2022_091	EFFECT OF DIMETHOATE AND ITS COMMERCIAL FORMULATION, PERFEKTHION, ON PHOTOSYNTHESIS OF SELECTED PHYTOPLANKTON SPECIES	Mavrogenis M.
S2022_097	THE LEVELS AND HISTORICAL EVOLUTION OF MERCURY IN SEDIMENTS OF SARONIKOS GULF	Panagopoulou G. <i>et al.</i>
S2022_107	SUSPENDED PARTICLE-ASSOCIATED ALIPHATIC AND POLYCYCLIC AROMATIC HYDROCARBONS IN OPEN/DEEP AREAS OF THE EASTERN MEDITERRANEAN SEA: OCCURRENCE, SOURCES AND DISTRIBUTION PATTERNS	Skylaki E. <i>et al.</i>
S2022_109	BENTHIC RESPONSE TO THERMAL DISTURBANCE: PROJECT CONCEPT AND PRELIMINARY RESULTS	Lampa M. <i>et al.</i>
S2022_110	BIOCLIMATIC PROJECTIONS UP TO 2070 REVEAL ONE THIRD LOSS OF SUITABLE ENVIRONMENTAL CONDITIONS OF A VULNERABLE SALMONID	Oikonomou A. <i>et al.</i>
S2022_111	COMPARING BIOLOGICAL QUALITY ELEMENTS IN GREEK RIVERS	Oikonomou A. <i>et al.</i>
S2022_117	MASS MORTALITY EVENT OF THE TOOTH-CORAL <i>BALANOPHYLLIA EUROPAEA</i> IN NATURA 2000 SITES OF CHALKIDIKI PENINSULA (NORTH AEGEAN SEA, EASTERN MEDITERRANEAN)	Antoniadou C. <i>et al.</i>
S2022_119	AUTOTROPHIC VS. MIXOTROPHIC AND HETEROTROPHIC GROWTH IN CULTURES OF MICROALGAE ISOLATED FROM EASTERN MEDITERRANEAN SEA, A PRELIMINARY COMPARISON	Gratsia E. <i>et al.</i>
S2022_120	PRELIMINARY RESULTS OF TETRODOTOXIN THERMAL DEACTIVATION	Kleidas I. <i>et al.</i>
S2022_124	STRANDING EVENTS PROVIDING A FIRST INSIGHT ON THE INCIDENTAL CATCH OF VULNERABLE SPECIES BY THE SMALL-SCALE FISHERY	Solanou M. <i>et al.</i>
S2022_138	PRELIMINARY RESULTS OF THE REPRODUCTIVE BIOLOGY OF THE ALIEN RED SEA GOATFISH (<i>PARUPENEUS FORSSKALI</i>) IN THE HELLENIC AEGEAN SEA	Vagenas, G. <i>et al.</i>
S2022_140	TEMPERATURE CURRENT TRENDS FOR ARAXOS AND IERAPETRA COASTAL REGIONS, GREECE AS INDICATORS OF FUTURE SEA LEVEL RISE	Margaritou I. E. <i>et al.</i>
S2022_147	MICROPLASTIC INGESTION AND TOXICOLOGICAL BIOMARKERS IN SEA URCHINS AND STRIPED RED MULLET FROM ZAKYNTHOS ISLAND (IONIAN SEA)	Patsiou D. <i>et al.</i>
S2022_149	INTEGRATING POSIDONIA DISTRIBUTION MAPS IN THE NAUTICAL CHARTS OF THE HELLENIC NAVY HYDROGRAPHIC SERVICE	Kyriakidou Ch. <i>et al.</i>
S2022_153	CHEMICAL TRACE OF AN ANCIENTAQUEDUCT UNDER ATHENS RESILIENCE	Dafnos I. <i>et al.</i>

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