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Marine Science and Technology Programme

A catalogue of publications from MAST projects in the Mediterranean Sea

Results from EU Research

Research in enclosed seas series 2

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**A catalogue of publications from MAST projects
in the Mediterranean Sea**

Results from EU Research

Edited by
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Director-General
Science, Research and Development

Marine Science and Technology Programme



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INTRODUCTION

How does one assess the impact of research performed on EC-funded projects?

One answer to that question is this catalogue, which assesses the impact of research through publications in international journals. The publications listed herein result from several projects-contracts of the Marine Science and Technology Programme (MAST).

The catalogue provides an easy to use "*tool*" for those who want to quickly identify the publications corresponding to a specific subject. For this purpose there are "Directions for a search for publications" on page VII.

This catalogue is the first of its type for the MAST Programme and contains the publications from 28 projects, listed in page V. These were projects of the MAST-II Programme (1992-1996) derived from research conducted in the Mediterranean Sea. Although we should keep in mind that most papers are published in the years following the conclusion of a project, more than 350 publications have already appeared in international journals and are included here. An update of the catalogue is foreseen in the future.

This work could not have been possible without the collaboration of Mr Hughes THIRY, stagiaire in DGXII MAST Programme in 1996.

The editing and publication of the catalogue has been accomplished due to the contribution of Ms Christine VAINES.

Elisabeth LIPIATOU
MAST Programme, DG XII

INDEX OF CONTRACTS

Numbers and titles

Mediterranean Targeted Project (MTP)

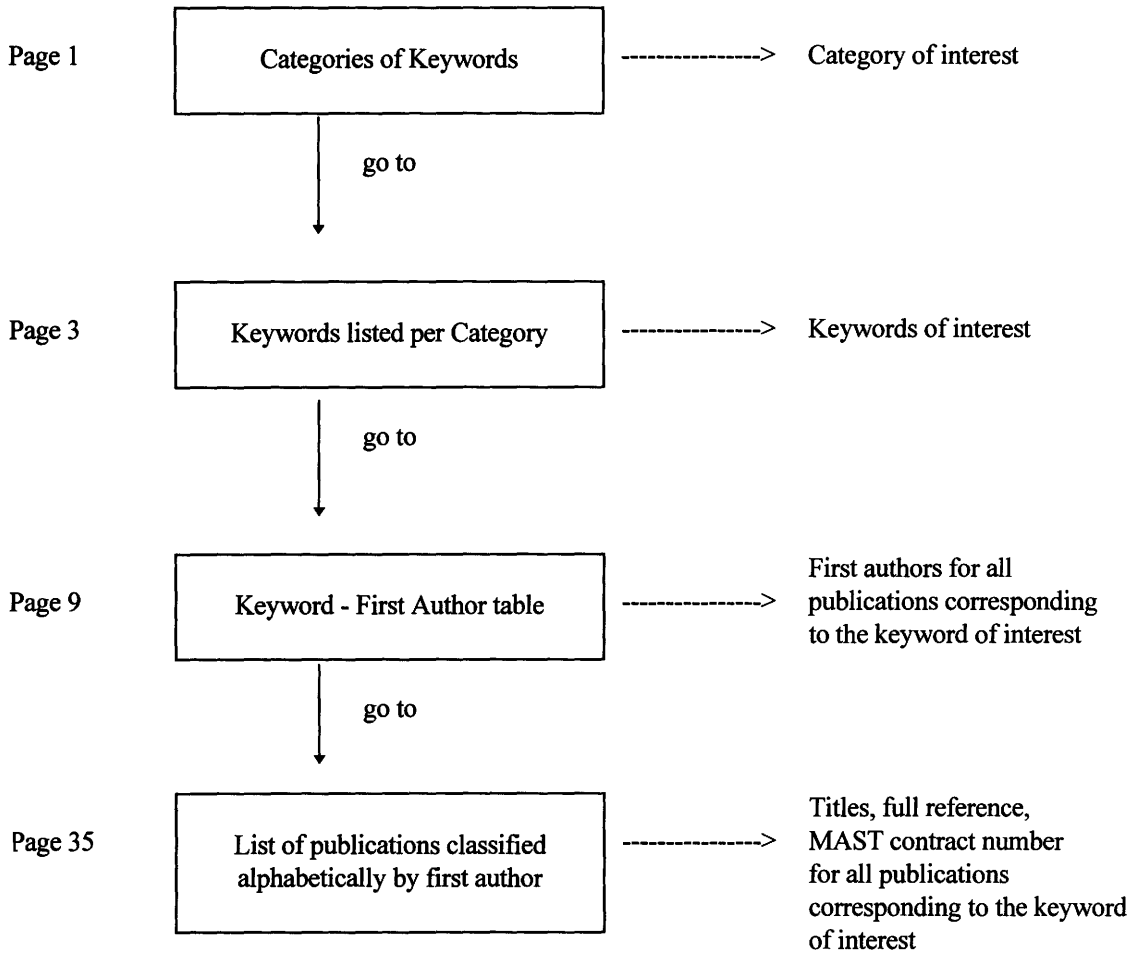
- MAS2-CT93-0052 Transfer pathways and fluxes of organic matter and related elements in water and sediments of the northern Adriatic Sea and their importance on the eastern Mediterranean (EUROMARGE-AS)
- MAS2-CT93-0053 Transfer pathways and fluxes of organic matter and related elements in water and sediments of the North Balearic basin and their importance on the western Mediterranean Sea (EUROMARGE-NB)
- MAS2-CT93-0055 Mediterranean eddy resolving modelling and interdisciplinary studies - 2 MERMAIDS-II)
- MAS2-CT93-0059 Hydrodynamics and biogeochemical fluxes in the straits of the Cretan arc (Aegean Sea, eastern Mediterranean basin) (PELAGOS)
- MAS2-CT93-0061 Geochemistry and dynamics of the Mediterranean Sea (GEODYME)
- MAS2-CT93-0063 Mediterranean pelagic ecosystem study: plankton dynamics (MEDIPELAGOS)
- MAS2-CT93-0066 The hydrodynamics of the western Mediterranean Sea (EUROMODEL-II-MTP)
- MAS2-CT93-0068 Hydrodynamics and geochemical fluxes in the Strait of Otranto (OTRANTO)
- MAS2-CT94-0090 European microbiology of particulate systems (EMPS)
- MAS2-CT94-0092 Pelagic-benthic coupling in the oligotrophic Cretan Sea (northeast Mediterranean) (CINCS)

Other projects

- MAS2-CT91-0004 Chemical, biological and ecological studies of bioactive marine natural products of the Mediterranean benthos in view of their production
- MAS2-CT91-0006 A pilot tomography system for monitoring the western Mediterranean basin (THETIS-II)
- MAS2-CT92-0018 European experimentally validated models for acoustic channels (EEVMAC)
- MAS2-CT92-0035 3-D hydrodynamic modelling in the Mediterranean deep coastal areas (MEDCOAST)
- MAS2-CT92-0036 Marine universal structural model
- MAS2-CT92-0037 An integrated investigation of the fluid flow regime of the Mediterranean ridge (MEDRIFF)
- MAS2-CT92-0041 Hydrodynamic modelling of the Mediterranean western basin (EUROMODEL-II)
- MAS2-CT92-0046 Development of a Lagrangian technique adapted for large-scale and mesoscale current observations in the Mediterranean (SOFARGOS)
- MAS2-CT93-0051 Biogeochemical fluxes in the Mediterranean water-sediment system (PALAEOFLUX)
- MAS2-CT93-0054 Processes in regions of freshwater influence (ROFI)
- MAS2-CT93-0058 Oxidic-anoxic interfaces as productive sites
- MAS2-CT93-0062 Innovative Mediterranean ridge seismic experiment (IMERSE)

- MAS2-CT93-0075 Mediterranean oceanographic data base (MODB)
MAS2-CT94-0080 Long-range acoustic communications (LORACOM)
MAS2-CT94-0084 Risk analysis of coastal nourishment techniques (RIACON)
MAS2-CT94-0094 An integrated surveillance system for chronic and accidental marine pollution (ARCOBLEU)
MAS2-CT94-0099 Risk assessment of organotin antifoulings on key benthic organisms of European coastal habitats (BOATS)
MAS2-CT94-0101 Geochemical investigations of hydrothermal processes in the Hellenic volcanic island arc

DIRECTIONS FOR A SEARCH FOR PUBLICATIONS



CATEGORIES OF KEYWORDS

- Study Area
- Modelling - Physics - Techniques
- Geochemistry - Biology
- Fauna and Flore - Microorganisms
- Geology - Sediments
- Atmosphere - Environment
- Compounds - Matter
- Others

KEYWORDS (kw) LISTED PER CATEGORY

Study area	Modelling - Physics - Technique	Geochemistry - Biology	Fauna and flore - Microorganisms
Adriatic Sea	2D heteronuclear ¹ H/ ¹³ C correlation	alarm pheromone	algae
Aegean Sea	2D-NMR	anaerobic metabolism	algal-herbivore interaction
Alboran Sea	acoustic	anaerobic microbial processes	ascoglossa
Algeria	acoustic images	antimicrobial activity	bacteria
Algerian current	acoustic tomography	bioactivity	bacterial attack
Algerian Eddy	advection-diffusion equations	biodegradability	bacterial biomass
Balearic basin	air-sea interactions	biogeochemical	bacterial carbon
Balearic Islands	analysis of variance	biogeochemistry processes	bacterial decay
Balearic sea	analytical technique	biogenic fluxes	bacterial dominance
Bannock basin	astronomical calibration	biological characteristics	bacterial film
Barcelona	base-of-slope depression	biological communities	bacterial identification
Bay of Biscay	budget	biological oceanography	benthic foraminiferal species
Catalan Sea	calibration	biotransformation	benthic invertebrates
Catalan-Balearic Sea	climatological characteristics	buffer factor	biomass
Catalonia	climatology	bulk geochemistry	Caulerpaean algae
Central Mediterranean	circulation	calcification	cephalaspidean molluscs
coastal ocean	circulation variability	carbon cycles	ciliates
continental margin	competition	carbonate production	colourless sulphur bacteria
Cretan Arc Straits	computer simulation	cell cycle	crabs
Cretan Sea	contour current	cell cycle analysis	cyanobacteria
dead-sea fan	data analysis	cell size	defensive strategy
Eastern Alboran Sea	data assimilation	cells	demospogones
Eastern Mediterranean	data fields	chemical bioactivity	demospogoniae
Ebro	datation	chemical ecology	encrusting sponges
Gibraltar region	deep water	chemoautotrophic production	heterotrophic flagellates
Gulf of Lions	dense water formation	chemosensory behaviour	hexactinellid sponge
Hellenic Volcanic Arc	delay-Doppler measurements	chemostat	inactive bacteria
Ionian Sea	dispersion	chemosynthesis	invertebrates
Lagoon of Venice	double diffusion	chemotaxonomy	macro algae
Ligurian basin	droop model	chlorinity	marine molluscs
Ligurian Sea	ecological model	cytological criteria	Mediterranean Homosleromorpha
Ligurian-Provencal Basin	ecosystem evolution	deep sea bacteria	meiofaunal density/biomass
Mediterranean ridge	electrode	defense mechanisms	microbial biomass
Mediterranean Sea	entrainment	diel cycle	microbial food web
Messinian salt fluxes	environmental monitoring	diversity	microbial heterotrophic activity
Milos island	extraction methods	diversity pattern	microbial loop
Minorca	field observations	elementary composition	microbial mats
North Mediterranean Basin	flow cytometry	epibiosis	microbial population
Northeast Spain	fluorescence to chlorophyll ratios	ETS activity	microforaminifera
Northern Adriatic Sea	FM signals	exchange rate	microzooplankton
Northwest Adriatic Basin	formation rate	extracellular enzyme	mixotrophic ciliates
northwestern Mediterranean	fresh water balance	food index	molluscs
onslope flow	general circulation	food webs	nematode
prodelta deposition	gyres	genus Polymastia	nematode populations
Rhone shelf	heat budget	geochemistry	nudibranch
Santorini caldera	high performance anion-exchange	grazing rates	octocoral
Sicily Channel	high pH anion exchange	growth	peyssonelia
south Aegean Sea	chromatography	growth rates	phytobenthic communities
Southern Catalan Sea	hydrodynamid	hypersaline anoxic basin	phytoplankton
Southwestern Mediterranean	hydrodynamical modelling	iodine speciation	phytoplankton composition
Strait of Gibraltar	hydrological evolution	light cycle	phytoplankton culture
Strait of Sicily	hydrological properties	marine antitumor agents	pico and nanoplankton growth
straits	hydrolocal characteristics	marine calcification	picoplankton

Study area	Modelling - Physics - Technique	Geochemistry - Biology	Fauna and flore - Microorganisms
/ Continued	/ Continued	/ Continued	/ Continued
Tyro basin Tyrrhenian Sea Valencia Western Mediterranean	hydrology hydrography hydrographic data hydrostatic hydrostatic pressure integrated surveillance interannual variability interannual variations internal waves laboratory model levantine intermediate water light transmission loop models magnetostratigraphy mean sea level fluctuations mesoscale ageostrophic motion mesoscale dynamics mesoscale eddy/front system mesoscale modelling mesoscale variabilities method mobility model 3D model development modelling models model water dispersal model water formation mollecular stratigraphy monitoring multivariate analysis neutral surface analysis non-hydrostatic model numerical experiments numerical model numerical modelling numerical study nutrient dynamics omega equation open ocean convection paleocirculation paleomagnetism paleosalinity parabolic approximation physical oceanography planetary modes principal components analysis pulsed amperometric detection (PAD) pulses quenching saline lenses sample digestion SAR imagery	marine distribution marine pollution net heat transport new production nutrient cycling nutrient inputs nutrient pulses oligotrophic oligotrophy organic matter cycling organic matter fluxes oxic-anoxic interphase oxidation oxygen gradients partition geochemistry phosphate metabolism phosphorus limitation physical-biological approach primary production propagation redox redox-sensitive elements regenerated production salinity increase seasonal temperature and salinity fields systematics taxonomic characteristics viruses water chemistry (Eastern Mediterranean) water column water mass content	plankton polybranchiidae porostome nudibranch prochlorococcus protozoa pyronesn molluscs sponge sponge disease trophic modes ulva zooplankton

Study area	Modelling - Physics - Technique	Geochemistry - Biology	Fauna and flore - Microorganisms
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satellite
 seasonal climatologies
 sea surface elevation
 sea surface height
 sea surface pressure
 selective feeding
 sequestration
 signals
 simulation
 staining
 stratification
 structural dynamics
 technique
 temperature
 temperature increase
 theoretical model
 thermohaline circulation
 thermohaline staircases
 tomographic signals
 tomography
 topographical modes
 toxicity quantification
 tracer
 Transition Mediterranean Water
 (TMW)
 transport
 user requirements
 validation
 water exchange
 water mass distribution
 water masses
 water masses ages
 water mass formation
 water mass spreading
 water mass structure
 water transport
 waves
 wind forcing
 wind stress distribution
 x-ray structure

Geology - Sediments	Atmosphere - Environment	Compounds - Matter	Others
aggregates	anoxic basins	137 Cs	abundance
anoxic sediments	anoxic worlds	210Pb	anthropogenic effect
calcareous sediment formation	anticyclonic gyres	210Po	antifouling
continental margin mass movements	atmosphere	28S ribosomal RNA	appendicularian
continental shelf	atmospheric deposition	3-alkylpyridines	Brunhes
continental slope	atmospheric forcing	³ -H-Leucine	chaos
coral reef	atmospheric pressure	acid	chemocline
current	atmospheric-climatic conditions	acylglycerols	climatic change
current stability	atmospheric trajectories	alkylpyridines	daily variations
deep contour currents	biosphere	alpha-carbolines	dynamics
deep convection	climatic change	anthropogenic lead	earthquakes
deep-sea benthos	climatic fluctuations	anti-HIV-1 metabolite	ecosystem dynamics
deep-sea channel	climatology	antibiotic polysulfur derivatives	eel grass
deep-sea lobes	environmental change	antimony	evaporation
deep-sea sediments	environmental evolution	arsenic	fluxes
deposition	evolution	benzopentathiepin	forcing effects
diagenesis	extreme environments	bioactive metabolite	fouling
diagenetic alteration	feedback	biopolymeric carbon	goal functions
erosion	glacial-interglacial transition	blanesin (structure, stereochemistry)	gravity
Fe-Mn sediments	glacial/interglacial climatic change	C-14	grossularines
hydrothermal activity	interannual changes	carbon dioxide	Heinrich events
hydrothermal sedimentation	interannual variability	carbonates	Holocene
hydrothermal sediments	long-range transport	chlorofluorocarbons	in situ data
hydrothermal venting	marine distribution	chlorophyll	information management
hydrothermal vents	riverine environment	colloidal organic carbon	Kattlegat
marine sediments	sea bottom	DAPI Yellow Particles	Late Quaternary
mediterranean cave	sea surface pressure	detrital particles	lift off
morphostructure	sea-floor morphology	detritus	lissoclinum
mud	seasonal cycle	diacylglycerol	liquid membrane
mud belt	seasonal variability	diastereoisomeric ichthyotoxic acylglycerol	microaerophily
mud volcanoes	seasonal variation	dimethyl sulfide	morphostructure
muddy sediment	stratified marine systems	dimethylsulfoxide	natural remanent magnetisation
nearshore	vertical fluxes	dimethylsilyfoniopropionate	natural toxicity
nepheloid layers	vertical motion	dissolved organic carbon	ocean data management
northern current		dissolved organic matter (DOM)	oceanic fronts
peripheral depression		diterpenoids	organic matter
piston core		DNA	palaeo-proxies
sapropel		elements	particulate organic carbon
sapropels (anorganic chemistry)		fatty acids	phosphate starvation
sediment		fluorochromes	Pleistocene
sedimentation rate		furanosesquiterpenoids	pollen
sediment community oxygen consumption (SCOC)		heavy metals	polyaxonid spicules
sediment drifts		ichthyotoxins	pore water
sediment geochemistry		isolissoclinotoxin	pyritisation
sediment gravity processes		lead concentration	reproductive investment
sediment transfer		lipids	resources allocations
sediment traps		Low-Molecular-Weight RNA	resuspension processes
sediment-water interface		marine monosaccharides	risks
sedimentary evolution		methane	river runoff
sedimentary labile organic matter		methane seepages	sacoglossan
sedimentology		natural products	sea-level height
shef slope front		nitrogen	sea surface paleotemperature
submarine caves		nitrogen cycle	see grass
		nutrients	seepages

Geology - Sediments	Atmosphere - Environment	Compounds - Matter	Others
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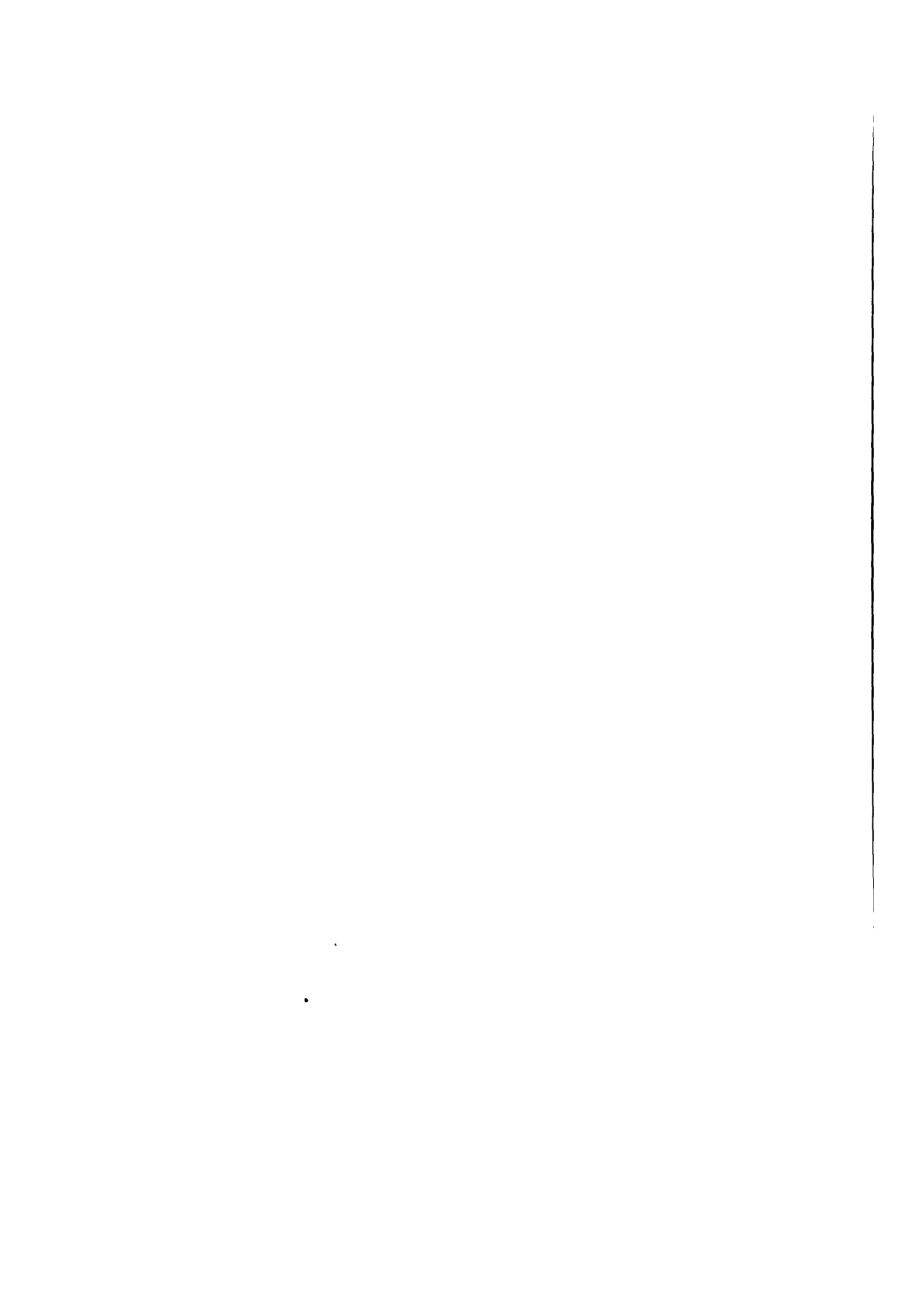
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submarine channels
 submarine hydrothermal waters
 tectonics (Pliny and Strabo Trenches)
 tidal currents
 tsunami deposit
 volcanism

oxygen
 oxygen content
 paeopigments
 palmatol
 particle transport
 particulate organic carbon flux
 particulate organic/inorganic fluxes
 particulate organic matter
 passive tracers
 petroformynes
 phospholipids
 phosphorus
 phytodetritus
 pigments
 pollutants
 polyacetylenes
 polypropionates
 protected dialdehyde
 pyrones polypropionates
 raspacionin
 sesquiterpenoid
 sesterpenoid
 sulphide diffusion
 suspended matter
 suspended particulate matter
 trace metals
 transient tracers
 tributylin
 triterpenoid
 tritium distribution
 varacin
 volatile halocarbons

shnmp
 stilligeridae
 successional patterns
 synergetic approach
 synoptic cruise
 temporal variability
 thermal structure
 thiovulum
 topographic forcing
 topography irregularities
 toxicity
 trophic conditions
 trophic relations
 turbidite
 turbidity currents
 validation
 variability
 water fluxes



KEYWORDS-FIRST AUTHOR TABLE

Keywords	Name of first author
¹³⁷ Cs	Sanchez-Cabeza J.A.
²¹⁰ Pb	Masque P. Radakovitch O.
²¹⁰ Po	Radakovitch O.
28S ribosomal RNA	Lafay B.
2D heteronuclear ¹ H/ ¹³ C correlations	Loukaci A.
2D-NMR	Cimino G.
3-alkylpyridines	Spinella A.
³ H-Leucine	van Wambeke F.
abundance	Kallianiotis A. Smith C. Tselepides A.
acid	Frankignoulle M.
acoustic images	Canals M.
acoustic tomography	Athanassoulis G. Mauuary D. Munk W. Skarsoulis E.K. Taroudakis M.I.
acoustics	Garcia Gorriz E.
acylglycerols	Zubia E.
Adriatic Sea	Allen J.I. Artegiani A. Gacic M. Raicich F. Russo A. Giordani P. Vested H.J. Zavatarelli M.
advection-diffusion equations	Beckers J.M.
Aegean Sea	Dando P.R. Krestenitis Y.N.
aggregates	Thérond S.
air-sea interactions	Castellari S.
alarm pheromone	Spinella A.
Alboran Sea	Boury-Esnault N.

algae	Cacho I.
algal-herbivore interaction	Vazquez J.
Algeria	Viudez A.
Algerian current	Canals M.
Algerian Eddy	Gavagnin M.
alkylpyridines	Benzohra M.
alpha-carbolines	Beckers J.M.
anaerobic metabolism	Benzohra M.
anaerobic microbial processes	Spinella A.
analysis of variance	Loukaci A.
analytical technique	Hagerman L.
anoxic basins	Fenchel T.
anoxic sediments	Hodkinson R.A.
anoxic worlds	Rossell A.
anthropogenic effect	Fenchel T.
anthropogenic lead	Rimoldi B.
anti-HIV-1 metabolite	Fenchel T.
antibiotic polysulfur derivatives	Migon C.
anticyclonic gyres	Tian R.C.
antifouling	Loukaci A.
antimicrobial activity	Litaudon M.
antimony	Viudez A.
appendicularian	Martin D.
arsenic	Becerro M.A.
ascoglossa	Migon C.
astronomical calibration	Thérond S.
atmosphere	Migon C.
atmospheric deposition	Vardaro R.R.
atmospheric forcing	Langereis C.G.
atmospheric pressure	Frankignoulle M.
atmospheric trajectories	Roussenov V.
atmospheric-climatic conditions	Migon C.
bacteria	Harzallah A.
	Alarcón M.
	Astraldi M.
	Becerro M.
	Dolan J.R.
	Karner M.
	Perez M.T.
	Vaqué D.
	Zweifel U.-L.

bacterial attack	Vacelet G.
bacterial biomass	van Wambeke F.
bacterial carbon	Danovaro R.
bacterial decay	Thingstad T.F.
bacterial dominance	Danovaro R.
bacterial film	Becerro M.A.
bacterial identification	Höffle M.
Balearic basin	Lopez M.J.
Balearic Islands	Ballesteros E.
	Canals M.
Balearic Sea	Garcia Ladona E.
	Lopez M.J.
	Pinot J.M.
Bannock basin	Henneke E.
	Ziveri P.
Barcelona	Palanques A.
Base-of-slope depression	Balon Valasco J.P.
Bay of Biscay	Radakovitch O.
benthic foraminiferal species	Gooday A.J.
benthic invertebrates	Martin D.
	Turon X.
benzopentathiepin	Trigalo F.
bioactive metabolites	Guyot M.
bioactivity	Becerro M.
	Uriz M.J.
biodegradability	Ferriere L.
	Yoro S.C.
biogenic fluxes	Ziveri P.
biological characteristics	Uriz M.J.
biological communities	Dando P.R.
biological oceanography	Corselli C.
biogeochemical processes	Varnavas S.P.
biogeochemistry	Price N.B.
	Varnavas S.P.
	Zavatarelli M.
biomass	Kallianiotis A.
	Smith C.
	Tselepides A.
biopolymeric carbon	Danovaro R.
biosphere	Frankignoulle M.
biotransformation	Cimino G.

Blanesin (structure, stereochemistry)	Ciavatta M.L.
Brunhes	Langereis C.G.
budget	Conan P.
buffer factor	Frankignoulle M.
bulk geochemistry	Hodkinson R.A.
C-14	Psarra S.
calcareous sediment formation	Chronis G.
calcification	Frankignoulle M.
calibration	Coffaro G.
carbon cycles	Thingstad T.F.
carbon dioxide	Frankignoulle M.
carbonate production	Canals M.
carbonates	Ballesteros E.
Catalan-Balearic Sea	Cacho I.
Catalonia	Ercilla G.
Caulerpalean algae	Gavagnin M.
cell cycle	Parapais J.
	Vaulot D.
cell cycle analysis	Marie D.
	Vaulot D.
cell size	Dolan J.R.
cells	Uriz M.J.
Central Mediterranean	Dekkers M.J.
cephalaspidean molluscs	Spinella A.
chaos	Lorentz E.N.
chemical bioactivity	Martin D.
chemical ecology	Becerro M.
chemoautotrophic production	Bernard C.
	Fenchel T.
chemocline	Fenchel T.
chemosensory behaviour	Fenchel T.
chemostat	Bernard O.
chemosynthesis	Corselli C.
chemotaxonomy	Bustillos J.
	Vidussi F.
chlorinity	Butterfield D.A.
chlorofluorocarbons	Connan O.
chlorophyll	Simo R.
	Varela R.
ciliates	Fenchel T.
circulation	Alb�rola C.

	Alvarez A.
	Astraldi M.
	Benzohra M.
	Bethoux J.P.
	EUROMODEL group
	Garcia Ladona E.
	Herbaut C.
	Lopez M.J.
	Pinot J.M.
	Russo A.
	Sammarì C.
	Speich S.
	Theocharis A.
	Vazquez J.
circulation variability	Ayoub N.
climatic change	Roether W.
	Bethoux J.P.
climatic fluctuations	Astraldi M.
climatological characteristics	Brankart J.M.
	Zavatarelli M.
climatology	Artegiani A.
	Brasseur P.
coastal ocean	Tintoré J.
colloidal organic carbon	Ferriere L.
colourless sulphur bacteria	Bernard C.
	Fenchel T.
competition	Carrer G.
	Coffaro G.
	Perez M.T.
computer simulation	Blackburn N.
continental margin	Torres J.
	Radakovitch O.
continental margin mass movements	Rahders E.
continental shelf	Durrieu de Madron X.
	Ercilla G.
	Palanques A.
continental slope	Canals M.
contour current	Balon Valasco J.P.
coral reef	Ilan M.
crabes	Maldonado M.
Cretan Arc Straits	Kontoyiannis H.

	Krassakopoulou E.
	Skarvelis I.
	Varnavas S.P.
	Velegrakis A.F.
Cretan Sea	Price N.B.
	Kotsovinos N.
	Theocharis A.
	Theodorou A.
culture	Allali K.
	Ferrier-Pagés C.
currents	Astraldi M.
	Font J.
	Garcia Gorriz E.
	Sammari S.
	Salat J.
current stability	Baey J.M.
cyanobacteria	Perez M.T.
cytological criteria	Boury-Esnault N.
daily variations	Striby L.
DAPI Yellow Particles	Brankart J.M.
data analysis	Brasseur P.
	Mostajir B.
data assimilation	Cooper M.
	Pinardi N.
	Brasseur P.
data fields	Brasseur P.
datation	Masque P.
deep contour currents	Baraza J.
deep convection	THETIS Group
deep sea bacteria	Tholosan O.
deep water	Krestenitis Y.N.
	Roether W.
	Rohling E.J.
	Wu P.
deep waters	Roether W.
deep-sea benthos	Rice A.L.
deep-sea channel	Alonso B.
deep-sea fan	Torres J.
deep-sea lobes	Palanques A.
deep-sea sediments	Cussen H.
	Higgs N.C.

defense mechanisms	Thomson J.
defensive strategy	Van Santvoort P.
delay-Doppler measurements	Wilson T.R.S.
	Di Marzo V.
	Becerro M.
	Hernand J.P.
	Jourdain G.
demosponges	Uriz M.J.
demospongiae	Uriz M.J.
dense water formation	Bethoux J.P.
	Vested H.J.
deposition	Palanques A.
detrital particles	Mostajir B.
detritus	Dauby P.
diacylglycerol	Speich S.
diagenesis	Cimino G.
diagenetic alteration	Thomson J.
diastereoisomeric ichthyotoxic acylglycerol	de Lange G.J.
diel cycle	Zubía E.
dimethyl sulfide	Karner M.
dimethylsulfonylpropionate	Simo R.
dimethylsulphonylpropionata	Simo R.
dimethylsulphoxide	Simo R.
dispersion	Simo R.
dissolved organic carbon	Rodriguez A.
	Ferriere L.
	Lefevre D.
diterpenoid	Zweifel U.-L.
diterpenoids	Zubía E.
	Gavagnin M.
diversity	Kallianiotis A.
	Smith C.
	Tselepides A.
	Zubía E.
diversity pattern	Dolan J.R.
DNA	Carrer G.
DOM (dissolved organic matter)	Zweifel U.-L.
double diffusion	Blackburn N.
	Kotsovinos N.
droop model	Schmitt R.W.
dynamics	Bernard O.

earthquakes	Garcia Ladona E.
eastern Alboran Sea	Dando P.R.
Eastern Mediterranean	Viudez A.
	Cita M.B.
	Corselli C.
	Eijsink L.M.
	Henneke E.
	Kotsovinos N.
	Passier H.F.
	Rimoldi B.
	Roether W.
	Rosignol-Strick M.
	Statford K.
	Van Santvoort P.
Ebro	Canals M.
	Diaz J.I.
ecological model	Allen J.I.
	Civitaresse G.
	Crise A.
ecosystem dynamics	Allen J.I.
ecosystem evolution	Tian R.C.
eel grass	Carrer G.
electrode	Cussen H.
	Wilson T.R.S.
electrodes	Van Santvoort P.
elementary composition	Calafat A.M.
elements	Thomson J.
encrusting sponges	Becerro M.
entrainment	Redondo J.M.
environmental change	Bethoux J.P.
environmental evolution	Nicolas E.
environmental monitoring	Becerro M.
epibiosis	Maldonado M.
erosion	Palanques A.
ETS activity	Lefevre D.
evaporation	Harzallah A.
evolution	Bethoux J.P.
	Uriz M.J.
	Zodiatis G.
exchange rate	Gacic M.
extracellular enzyme	Karner M.

extraction methods	Eijsink L.M.
extreme environments	Corselli C.
fatty acids	Barnathan G.
Fe-Mn sediments	Cronan D.S.
feedback	Frankignoulle M.
field observations	Brasseur P.
flow cytometry	Parapais J.
	Vaulot D.
fluorescence to chlorophyll ratios	Estrada M.
fluorochrome	Marie D.
fluorochromes	Zweifel U.-L.
flux	Conan P.
fluxes	Garrett C.
	Krassakopoulou E.
FM signals	Hernand J.P.
food index	Danovaro R.
food webs	Legendre L.
forcing effects	Harzallah A.
fouling	Becerro M.A.
formation rate	Nittis K.
fresh water balance	Raicich F.
furanosesquiterpenoids	Fontana A.
general circulation	Artegiani A.
	Brankart J.M.
	Brasseur P.
	Haines K.
	Fontana A.
	Marshall J.
	Pinardi N.
	Roussenouv V.
	Wu P.
general circulation model	Haines K.
	Pinardi N.
	Van Den Berghe F.
genus <i>Polymastia</i>	Boury-Esnault N.
geochemistry	Butterfield D.A.
glacial / interglacial climatic change	Thomson J.
glacial-interglacial transition	Rossignol-Strick M.
goal functions	Coffaro G.
gravity	Beckers J.M.
grazing rates	Vaqué D.

grossularines	Loukaci A.
growth	Bendoricchio G.
growth rates	Dolan J.R.
Gulf of Lions	Conan P.
	Durrieu de Madron X.
	Castellari S.
	Thunus V.
gyres	Kotsovinos N.
heat budget	Radakovitch O.
heavy metals	Migon C.
	Palanques A.
Heinrich events	Thomson J.
Hellenic Volcanic Arc	Cronan D.S.
	Dando P.R.
	Hodkinson R.A.
heterotrophic flagellates	Vaqué D.
hexactinellid sponge	Boury-Esnault N.
high performance anion-exchange chromatography (HPAEC)	Kerherve P.
high pH anion exchange chromatography	Kerherve P.
Holocene	Cita M.B.
	Ercilla G.
	Osio A.
	Rimoldi B.
hydrodynamical modelling	Skarvelis I.
hydrodynamics	Andreola M.
	Beckers J.M.
	Bendoricchio G.
	Benzohra M.
	Thunus V.
hydrographic data	Brasseur P.
hydrography	Brasseur P.
	Theocharis A.
hydrological characteristics	Roether W.
hydrological evolution	Brankart J.M.
hydrological properties	Bethoux J.P.
hydrology	Conan P.
	Theodorou A.
	Russo A.
hydrostatic	Vested H.J.
hydrostatic pressure	Tholosan O.
hydrothermal activity	Dando P.R.

hydrothermal sedimentation	Cronan D.S.
hydrothermal sediments	Hodkinson R.A.
hydrothermal venting	Dando P.R.
hydrothermal vents	Dando P.R.
hypersaline anoxic basin	Rimoldi B.
ichthyotoxins	Zubía E.
in situ data	Brankart J.M.
inactive bacteria	Zweifel U.-L.
integrated surveillance	Sauzade D.
interannual changes	Bethoux J.P.
interannual variability	Astraldi M.
	Garrett C.
	Krestenitis Y.N.
	Bendoricchio G.
	Pinardi N.
interannual variations	Simioli A.
internal waves	Velagrakis A.F.
invertebrates	Guyot M.
iodine speciation	Tian R.C.
isolissoclinotoxin	Trigalo F.
Ionian Sea	Civitarese G.
Kattegat	Jensen P.
laboratory model	Marshall J.
Lagoon of Venice	Carrer G.
Late Quaternary	Torres J.
lead concentration	Nicolas E.
Levantine intermediate water	Nittis K.
	Wu P.
lift off	Redondo J.M.
light cycle	Vaulot D.
	Vaulot D.
light transmission	Chronis G.
Ligurian basin	Sauzade D.
Ligurian Sea	Astraldi M.
	Sammari C.
Ligurian-Provencal Basin	Astraldi M.
lipids	Striby L.
lissoclinum	Trigalo F.
liquid membrane	Rossell A.
long-range transport	Alarcón M.
loop models	Bernard O.

Low-Molecular-Weight RNA	Höffle M.
macro algae	Coffaro G.
magnetostratigraphy	Langereis C.G.
marine antitumor agents	Acha B.S.
marine calcification	Gattuso J.P.
marine concentrations	Connan O.
marine distribution	Tian R.C.
marine molluscs	Zubía E.
marine monosaccharides	Kerherve P.
	Kerherve P.
marine pollution	Sauzade D.
marine sediments	Fenchel T.
mean sea level fluctuations	Larnicol G.
mediterranean cave	Boury-Esnault N.
Mediterranean Homosleromorpha	Boury-Esnault N.
Mediterranean ridge	Corselli C.
Mediterranean Sea	Alcarcón M.
	Ayoub N.
	Brankart J.M.
	Brasseur P.
	Castellari S.
	Corselli C.
	Crise A.
	De Mey P.
	Haines K.
	Larnicol G.
	Millot C.
	Pinardi N.
	Roussenov V.
	Simioli A.
	Stratford K.
	Wu P.
meiofaunal density/biomass	Danovaro R.
mesoscale ageostrophic motion	Viudez A.
mesoscale dynamics	Font J.
mesoscale eddy/front system	Pinot J.M.
mesoscale modelling	Thunus V.
mesoscale variabilities	Albérola C.
	Sammari S.
mesoscale variability	Pinot J.M.
	Tintoré J.

Messinian salt fluxes	Van Santvoort P.
methane	Jensen P.
methane seepages	Jensen P.
method	Marie D.
	Vaulot D.
microaerophily	Fenchel T.
microbial biomass	Duineveld G.
microbial food web	Blackburn N.
microbial food webs	Thingstad T.F.
microbial heterotrophic activity	Simo R.
microbial loop	Legendre L.
microbial mats	Bernard C.
	Fenchel T.
microbial populations	Mostajir B.
microfaraminifera	Pawlowski J.
microzooplankton	Allali K.
	Dolan J.R.
	Ferrier-Pagés C.
Milos island	Cronan D.S.
Minorca	Baraza J.
	Balon Valasco J.P.
mixotrophic ciliates	Dolan J.R.
mobility	Fenchel T.
model 3D	Andreola M.
model development	Coffaro G.
modelling	Redondo J.M.
	Rodriguez A.
models	Alarcon M.
	Beckers J.M.
	Bendricchio G.
	Coffaro G.
	Greiner E.
	Millot C.
	Varela R.
mode water dispersal	Stratford K.
mode water formation	Startford K.
mollecular stratigraphy	Cacho I.
molluscs	Ciavatta M.L.
	Corselli C.
	Di Marzo V.
	Gavagnin M.

monitoring	Spinella A.
morphostructure	Carrer G.
mud	Diaz J.I.
mud belt	Jensen P.
mud-volcanoes	Diaz J.I.
muddy sediment	Corselli C.
multivariate analysis	Jensen P.
natural products	Pinot J.M.
natural remanent magnetisation	Becerro M.
natural toxicity	Dekkers M.J.
nearshore	Becerro M.
nematode	Rodriguez A.
nematode populations	Jensen P.
nepheloid layers	Lambshhead P.J.D.
net heat transport	Chronis G.
neutral surface analysis	Macdonald A.M.
new production	Theodorou A.
nitrogen	Crise A.
nitrogen cycle	Tian R.C.
non-hydrostatic model	Marshall J.
North Mediterranean Basin	Ferrier-Pagés C.
North west Adriatic basin	Astraldi M.
northeast Spain	Giordani P.
Northern Adriatic Sea	Salat J.
Northern current	Giordani P.
	Conan P.
	Sanchez-Cabeza J.A.
Northwestern Mediterranean	Albérola C.
	Alonso B.
	Calafat A.M.
	Font J.
	Masque P.
	Mertens C.
	Sanchez-Cabeza J.A.
nudibranchs	Fontana A.
	Cimino G.
	Zubía E.
	Marshall J.
numerical experiments	Cooper M.
numerical model	Pierini S.
	Wu P.

numerical modelling	Matsoukis F-P.
numerical study	Nittis K.
nutrient inputs	Dando P.R.
nutrient cycling	Dolan J.R.
nutrient dynamics	Civitaresse G.
nutrient pulses	Legendre L.
nutrients	Allali K.
	Bernard O.
	Bethoux J.P.
	Blackburn N.
	Dolan J.R.
	Brasseur P.
	Ferrier-Pagés C.
	Krassakopoulou E.
	Souvermezoglou E.
ocean data management	Brasseur P.
oceanic fronts	Pinot J.M.
octocoral	Zubia E.
oligotrophic	van Wambeke F.
oligotrophy	Bustillos J.
	Ignatiades L.
	Psarra S.
	Tselepidis A.
omega equation	Marshall J.
onslope flow	Chronis G.
	Georgopoulos D.
open ocean convection	Pinot J.M.
organic matter	Rice A.L.
organic matter cycling	Karner M.
organic matter fluxes	Smart C.W.
oxic-anoxic interphase	Fenchel T.
oxidation	Higgs N.C.
	Thomson J.
oxygen	Van Santvoort P.
	Cussen H.
	Souvermezoglou E.
	Stratford K.
oxygen content	Wilson T.R.S.
oxygen gradients	Fenchel T.
paecopigments	Bustillos J.
palaeo-proxies	Van Os B.

paleocirculation	Bethoux J.P.
paleomagnetism	Durantel F.
paleosalinity	Cacho I.
palmitol	Zubía E.
parabolic approximation	Papadakis J.S.
particle transport	Thunus V.
particulate matter	Radakovitch O.
particulate organic carbon	Lefevre D.
	Yoro S.C.
particulate organic carbon (POC) flux	Ypma J-E.
particulate organic/inorganic fluxes	Stavarakakis S.
particulate organic matter (POM)	Duineveld G.
partition geochemistry	Rother R.
passive tracers	Hodkinson R.A.
peripheral depression	Baraza J.
petroformynes	Guo Y.
Peyssonelia	Ballesteros E.
phosphate metabolism	Thingstad T.F.
phosphate starvation	Parapais J.
phospholipids	Barnathan G.
phosphorus	Allali K.
phosphorus limitation	Thingstad T.F.
	Vaulot D.
physical oceanography	Corselli C.
physical-biological approach	Varela R.
phytobenthic communities	Ballesteros E.
	Canals M.
phytodetritus	Gooday A.J.
phytoplankton	Bernard O.
	Bustillos J.
	Estrada M.
	Vidussi F.
	Ypma J-E.
phytoplankton composition	Psarra S.
phytoplankton culture	Bernard O.
pico and nanoplankton growth	Ferrier-Pagés C.
picoplankton	Dolan J.R.
	Marie D.
	Vaulot D.
	Bustillos J.
pigments	Loukaci A.

piston core	Vidussi F.
planetary modes	Dekkers M.J.
plankton	Pierini S.
	Langereis C.G.
	Dauby P.
Pleistocene	Ercilla G.
	Osio A.
	Palanques A.
pollen	Rosignol-Strick M.
pollutants	Rodriguez A.
polyacetylenes	Guo Y.
polyaxonid spicules	Uriz M.J.
polybranchiidae	Vardaro R.R.
polypropionates	Ciavatta M.L.
	Gavagnin M.
	Vardaro R.R.
pore water	Henneke E.
porostome nudibranch	Spinella A.
primary production	Conan P.
	Gotsis-Skretas O.
	Vaulot D.
principal components analysis	Hodkinson R.A.
prochlorococcus	Parapais J.
prodelta deposition	Chronis G.
propagation	Palanques A.
protected dialdehyde	Gavagnin M.
protozoa	Bernard C.
	Fenchel T.
	Karner M.
pulsed amperometric detection (PAD)	Kerherve P.
pulses	Bernard O.
pyritisation	Passier H.F.
pyrones polypropionates	Vardaro R.R.
pyrones molluscs	Vardaro R.R.
quenching	Estrada M.
raspacionin	Cimino G.
redox	Cussen H.
	Higgs N.C.
	Wilson T.R.S.
redox-sensitive elements	Thomson J.
regenerated production	Ferrier-Pagés C.

reproductive investment	Tian R.C.
resource allocation	Uriz M.J.
resuspension processes	Uriz M.J.
Rhone shelf	Chronis G.
risks	Torres J.
riverine environment	Langston W.J.
river runoff	Raicich F.
sacoglossans	Migon C.
salinity increase	Gavagnin M.
saline lenses	Rohling E.J.
sample digestion	Georgopoulos D.
Santorini Caldera	Rossell A.
sapropels	Cronan D.S.
	Bethoux J.P.
	Higgs N.C.
	Passier H.F.
	Rahders E.
	Thomson J.
	Van Os B.
	Van Santvoort P.
	Velegrakis A.F.
	Greiner E.
	Papadakis J.S.
	Cooper M.
	Larnicol G.
	Ayoub N.
	Pinardi N.
	Cacho I.
	Pinardi N.
	Alonso B.
	Dauby P.
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	Albérola C.
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	Albérola C.
	Astraldi M.
	Font J.
	Giordani P.
	Gotsis-Skretas O.

seasonal variation	Stavrakakis S.
sediment	Tselepides A.
	Millot C.
	Rossell A.
	Ziveri P.
sedimentation rate	Masque P.
sediment community oxygen consumption (SCOC)	Duineveld G.
sediment drift	Balon Valasco J.P.
sediment drifts	Baraza J.
sediment geochemistry	Cronan D.S.
sediment gravity processes	Chronis G.
sediment transfer	Torres J.
sediment traps	Danavaro R.
	Dauby P.
	Stavrakakis S.
	Ypma J-E.
sediment-water interface	Giordani P.
sedimentary evolution	Ercilla G.
sedimentary labile organic matter	Danovaro R.
sedimentology	Diaz J.I.
	Ercilla G.
sediments	Eijssink L.M.
	Henneke E.
	Palanques A.
	Redondo J.M.
seepages	Jensen P.
selective feeding	Perez M.T.
sequestration	Frankignoulle M.
sesquiterpenoid	Bourguet M.L.
	Spinella A.
sesterpenoid	Cimino G.
shelvslope front	Salat J.
shrimp	Hagerman L.
Sicily Channel	Astraldi M.
	Osio A.
signals	Desaubies Y.
simulation	Alarcon M.
	Beckers J.M.
	Folegot T.
South Aegean Sea	Gotsis-Skretas O.
	Ignatiades L.

southern Catalan Sea	Matsoukis F-P.
southwestern Mediterranean	Moraitou-Apostolopoulou M.
sponge disease	Souvermezoglou E.
sponges	Salat J.
	Uriz M.J.
	Vacelet G.
	Boury-Esnault N.
	Barnathan G.
	Becerro M.
	Bourguet M.L.
	Bourguet-Kondracki M.-L.
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	Fontana A.
	Guo Y.
	Ilan M.
	Lafay B.
	Loukaci A.
	Maldonado M.
	Turon X.
	Uriz M.J.
	Zubfa E.
staining	Mostajir B.
stiligeridae	Vardaro R.R.
strait of Gibraltar	Macdonald A.M.
strait of Sicily	Manzella M.R.
straits	Mostajir B.
stratification	Tselepidis A.
stratified marine systems	Simo R.
structural dynamics	Coffaro G.
submarine caves	Southward A.J.
submarine channels	Canals M.
submarine hydrothermal waters	Cronan D.S.
successional patterns	Bernard C.
sulphide diffusion	Passier H.F.
suspended matter	Dauby P.
suspended particulate matter	Calafat A.M.
	Durrieu de Madron X.
	Palanques A.
	Price N.B.
	Millot C.
synergetic approach	

synoptic cruise	Calafat A.M.
systematics	Uriz M.J.
taxonomic characteristics	Uriz M.J.
technique	Kerherve P.
tectonics (Pliny and Strabo Trenches)	Rahders E.
temperature	Vaqué D.
temperature increase	Marshall J.
temporal variability	Souvermezoglou E.
	Varnavas S.P.
theoretical model	Pierini S.
	Rohling E.J.
thermal structure	Folegot T.
thermohaline circulation	Roussenov V.
thermohaline staircases	Zodiatis G.
Thiovulum	Fenchel T.
tidal currents	Albérola C.
tomographic signals	Athanassoulis G.A.
tomography	Van Den Berghe F.
tomography signals	Pierini S.
topographical modes	Taroudakis M.I.
topographic forcing	Alvarez A.
topographic stress	Alvarez A.
topography irregularities	Taroudakis M.I.
toxicity	Turon X.
	Uriz M.J.
toxicity quantification	Becerro M.
trace metals	Van Os B.
tracer	Sanchez-Cabeza J.A.
transient tracers	Roussenov V.
transition Mediterranean water (TMW)	Georgopoulos D.
	Tselepidis A.
transport	Durrieu de Madron X.
tributyltin	Langston W.J.
triterpenoid	Cimino G.
Tritium distribution	Roether W.
trophic conditions	Giordani P.
trophic modes	Tselepidis A.
trophic relations	Southward A.J.
tsunami deposit	Cita M.B.
turbidite	Rimoldi B.
turbidity currents	Rimoldi B.

Tyro basin	Henneke E.
Tyrrhenian sea	Pierini S.
	Zodiatis G.
ulva	Carrer G.
	Coffaro G.
user requirements	Sauzade D.
Valencia	Alonso B.
	Palanques A.
validation	Coffaro G.
	Pinardi N.
varacin	Trigalo F.
variability	Conan P.
vertical fluxes	Striby L.
vertical motions	Pinot J.M.
	Tintoré J.
viruses	Thingstad T.F.
	Zweifel U.-L.
volatile halocarbons	Connan O.
volcanism	Butterfield D.A.
water chemistry (Eastern Mediterranean)	Rahders E.
water column	Giordani P.
water exchange	Haines K.
water fluxes	Kontoyiannis
water mass content	Haines K.
water mass distribution	Roether W.
water mass formation	Manzella M.R.
water mass spreading	Millot C.
water mass structure	Artegiani A.
water masses	Astraldi M.
	Benzohra M.
	Gacic M.
water masses age	Roether W.
	Stratford K.
water transport	Astraldi M.
	Harzallah A.
waves	Beckers J.M.
Western Mediterranean	Alarcon M.
	Albérola C.
	Alvarez A.
	Brankart J.M.
	Durantel F.

wind forcing
wind stress distribution
X-ray structure
Zooplankton

EUROMODEL group
Folegot T.
Garcia Gorriz E.
Herbaut C
Millot C.
Rohling E.J.
Tintoré J.
Pierini S.
Simioli A.
Cimino G.
Moraitou-Apostolopoulou M.
Ypma J-E.

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kw: marine antitumor agents.

contract: MAS2-CT91-0004

Alarcón M., Alonso S. and Cruzado A. (1995), "Atmospheric Trajectory models for simulation of long-range transport and diffusion over the Western Mediterranean", *Journal of Environmental Science and Health*, **A30(9)**, 1973-1994.

kw: atmospheric trajectories, long-range transport, Mediterranean Sea..

contract: MAS2-CT93-0063 MTP

Albérola C. (1994), "Contribution à l'étude des variabilités saisonnière et à méso-échelle de la circulation générale dans le nord de la Méditerranée occidentale", Thèse de Doctorat de l'Université d'Aix-Marseille II, 185 pp.

kw: seasonal variability, mesoscale variability, circulation, northwestern Mediterranean.

contract: MAS2-CT92-0041 and MAS2-CT93-0066 MTP

Albérola C., Millot C. and Font J. (1995), "On the seasonal and mesoscale variabilities of the Northern current during the PRIMO-0 experiment in the Western Mediterranean Sea", *Oceanologica Acta, PRIMO-0*, **18**, 2, 163-192.

kw: seasonal variabilities, mesoscale variabilities, Western Mediterranean Sea.

contract: MAS2-CT92-0041 and MAS2-CT93-0066 MTP

Albérola C., Rousseau S., Millot C., Astraldi M., Font J., Garcia-Lafuente J., Gasparini G.P., Vangriesheim A. and Send U. (1995), "Tidal currents in the Western Mediterranean Sea", *Oceanologica Acta, PRIMO-0*, **18**, 2, 273-284.

kw: tidal currents, Western Mediterranean Sea.

contract: MAS2-CT92-0041 and MAS2-CT93-0066 MTP

Allali K., Dolan J. R., Rassoulzadegan F. (1994), "Culture characteristics and orthophosphate excretion of a marine oligotrich ciliate, *Strombidium sulcatum*, fed heat-killed bacteria", *Mar. Ecol. Prog. Ser.*, **105**:159-165.

kw: Phosphorus, microzooplankton, culture, nutrients.

contract: MAS2-CT93-0063 MTP

Allen J.I., Blackford J., Radford P. (1996b), "A vertically resolved modelling study of the ecosystem dynamics of the Middle and Southern Adriatic Sea", *J. Mar. Sys.*, MERMAIDS special issue (in press).

kw: Adriatic Sea, Ecological model, ecosystem dynamics.

contract: MAS2-CT93-0055 MTP

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kw: deep-sea channel, sea-floor morphology, Valencia, Northwestern Mediterranean.

contract: MAS2-CT93-0053 MTP

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kw: Circulation, Western Mediterranean Sea, topographic stress.

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kw: topographic forcing, circulation, Western Mediterranean Sea.

contract: MAS2-CT92-0041 and MAS2-CT93-0066 MTP

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kw: hydrodynamics, model 3D.

contract: MAS2-CT92-0035

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kw: Adriatic Sea, climatology, water masses.

contract: MAS2-CT93-0055 MTP

Artegiani, A., Bregant, D., Paschini, E., Pinardi, N., Raicich, F. and Russo, A. (1996), "The Adriatic sea general circulation. Part II: baroclinic circulation structure", *Journal of Physical Oceanography*, 27(8), 1515-1532.

kw: Adriatic Sea, climatology, general circulation.

contract: MAS2-CT93-0055 MTP

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kw: climatic fluctuations, current, Ligurian Sea.

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kw: circulation, atmospheric-climatic conditions, North Mediterranean Basin.

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kw: seasonal variability, interannual variability, Ligurian-Provencal Basin.

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kw: water masses, water transport, Sicily channel.

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kw: acoustic tomography.

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kw: tomographic signals.

contract: MAS2-CT91-0006

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kw: Mediterranean Sea, sea surface height, circulation variability.

contract: MAS2-CT93-0055 MTP

Baey J.M., Chabert D'hières G. and Renouard D. (1995), "Preliminary results about the stability of an intermediate water current", *Deep Sea Res.*, vol. 42, No 11/12, pp. 2063-2073.

kw: current stability.

contract: MAS2-CT92-0041 and MAS2-CT93-0066 MTP

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kw: phytobenthic communities, carbonates, Peyssonnelia, Balearic Islands.

contract: MAS2-CT93-0053 MTP

Balon Velasco J.P. (1995), "The "Depresion Periferica de Menorca" (Balearic Islands, Spain): Evidence of contour currents ?", Master Thesis on Sc. Mar. Geotech., School of Ocean Sciences, Univ. Wales - Bangor, 121 pp.

kw: contour current, base-of-slope depression, sediment drift, Minorca

contract: MAS2-CT93-0053 MTP

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kw: deep contour currents, sediment drifts, peripheral depression, Minorca.

contract: MAS2-CT93-0053 MTP

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kw: sponge, fatty acids, phospholipids.

contract: MAS2-CT91-0004

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kw: sponge, bioactivity.

contract: MAS2-CT91-0004

Becerro M., Uriz M.J. and Turon X. (1995), "Measuring natural toxicity in marine environments: potentiality of the Sea-urchin, bacteria plate-culture and *Photobacterium phosphoreum* bioassays", *Experienta* (in press).

kw: natural toxicity, bacteria.

contract: MAS2-CT91-0004

Becerro M., Turon X. and Uriz M.J. (1995), "Natural variation of toxicity in the encrusting sponge *Crambe crambe* in relation to size and environment", *Journal of Chemical Ecology*, **21**, 1931-1943.

kw: natural toxicity, chemical ecology, defensive strategy, encrusting sponges.

contract: MAS2-CT91-0004

Becerro M., Uriz M.J. and Turon X. (1995), "Measuring toxicity in marine environments: critical appraisal of three commonly used-methods", *Experienta* (in press).

kw: environmental monitoring, toxicity quantification, chemical ecology, natural products.

contract: MAS2-CT91-0004

Becerro M.A., Lopez N.I., Turon X., Uriz M.J. (1994), "Antimicrobial activity and surface bacterial film in marine sponges", *Journal of Experimental Marine Biology and Ecology*, **179**: 195-205.

kw: antimicrobial activity, bacterial film, fouling, sponge.

contract: MAS2-CT91-0004

Becerro M.A., Uriz M.J., Turon X. (1994), "Trends in space occupation by the encrusting sponge *Crambe crambe*: variation in shape as a function of size and environment", *Marine Biology*, **121**, 301-307.

kw: sponge.

contract: MAS2-CT91-0004

Beckers J.M. (1992 a), "De la stabilité d'un écoulement uniforme côtier dans un modèle à gravité réduite", *C. R. Ac. Sci. Paris*, t. 315, Série II, pp. 783-789.

kw: model, gravity.

contract: MAS2-CT92-0041 and MAS2-CT93-0066 MTP

Beckers J.M. (1992 b), "La Méditerranée Occidentale: de la Modélisation Mathématique à la Simulation Numérique", Thèse de doctorat en sciences appliquées, Université de Liège, *Collection des publications des Sciences Appliquées*, 136, 350 pp.

kw: model, simulation, Western Mediterranean.

contract: MAS2-CT92-0041 and MAS2-CT93-0066 MTP

Beckers J.M. (1994 b), "On destabilizing implicit factors in discrete advection-diffusion equations", *J. Comp. Physics*, 111, pp.260-265.

kw: advection-diffusion equations.

contract: MAS2-CT92-0041 and MAS2-CT93-0066 MTP

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kw: hydrodynamics, model, Western Mediterranean.

contract: MAS2-CT92-0041 and MAS2-CT93-0066 MTP

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kw: waves.

contract: MAS2-CT92-0041 and MAS2-CT93-0066 MTP

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kw: models (metagnostic and diagnostic).

contract: MAS2-CT92-0041 and MAS2-CT93-0066 MTP

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kw: model, Algerian current.

contract: MAS2-CT92-0041 and MAS2-CT93-0066 MTP

Bendoricchio G. (1995), "Modelling the trophic evolution of the Lagoon of Venice", UNESCO-MURST Research Project (**in press**).

kw: model, internal nutrient concentration, hydrodynamics, growth.

contract: MAS2-CT92-0036

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kw: circulation, Algeria, water masses.

contract: MAS2-CT92-0041 and MAS2-CT93-0066 MTP

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kw: hydrodynamics, Algerian Eddy.

contract: MAS2-CT92-0041 and MAS2-CT93-0066 MTP

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kw: Microbial mats, colourless sulphur bacteria, chemoautotrophic production, protozoa, successional patterns.

contract: MAS2-CT92-0058

Bernard O., Gouzé J. L. (1995), "Transient behavior of biological loop models with application to the droop models", *Math. Biosci.*, **127**:19-43.

kw: droop model, nutrients, loop models, phytoplankton.

contract: MAS2-CT93-0063 MTP

Bernard O., Malara G., Sciandra A. (1996), "Effects of controlled fluctuating nutrient environment on continuous cultures of phytoplankton monitored by computer", *J. Exp. Mar. Ecol.* (**in press**).

kw: chemostat, nutrients, pulses, phytoplankton culture.

contract: MAS2-CT93-0063 MTP

Bethoux J.P. (1993), "Mediterranean sapropel formation, dynamic and climatic viewpoints", *Oceanol. Acta*, **16**:127-133.

kw: sapropel, paleocirculation, climatic change.

contract: MAS2-CT93-0061 MTP

Bethoux J.P. and Gentili B. (1994), "The Mediterranean Sea, a test area for marine and climatic interactions". In: "Ocean processes in climate dynamics: Global and Mediterranean examples", P. Malanotte-Rizzoli and A.R. Robinson (eds.). Kluwer Acad. Publ., C419: 239-254.

kw: climatic change, hydrological evolution.

contract: MAS2-CT93-0061 MTP

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kw: circulation, environmental change.

contract: MAS2-CT93-0061 MTP

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kw: nutrients, evolutions, Mediterranean.

contract: MAS2-CT93-0061 MTP

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kw: dense water formation, interannual changes.

contract: MAS2-CT93-0061 MTP

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kw: DOM, microbial food web, computer simulation, nutrients.

contract: MAS2-CT93-0063 MTP

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kw: sesquiterpenoid, sponge.

contract: MAS2-CT91-0004

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kw: sesterterpene, sponge.

contract: MAS2-CT91-0004

Boury-Esnault N., Hadju E., Klautau M., Custodio M., Borojevic R. (1994), "The value of cytological criteria in distinguishing sponges at the species level: the exemple of the genus *Polymastia*", *Canadian Journal of Zoology*, 72, 795-804.

kw: cytological criteria, sponges, genus *Polymastia*.

contract: MAS2-CT91-0004

Boury-Esnault N., Pansini M., Uriz M.J. (1994), "Spongiaires bathyaux de la mer d'Alboran et du golfe ibéro-marocain", *Mémoires du Muséum National d'Histoire Naturelle, A, Zoologie*, 160, 1-174.

kw: Alboran Sea.

contract: MAS2-CT91-0004

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kw: hexactinellid sponge, mediterranean cave.

contract: MAS2-CT91-0004

Boury-Esnault N., Vacelet J., Gallissians M.F., Muricy G., "A new Mediterranean Homosleromorpha, (Porifera, desmospongiae)", *Ophelia* (in press).

kw: Mediterranean Homosleromorpha.

contract: MAS2-CT91-0004

Brankart J.M. and Brasseur P. (1994), "Optimal analysis of in situ data in the Western Mediterranean Sea using statistics and cross-validation", *J. Atmos. Oceanol. Technology* (in press).

kw: cross-validation, statistics, Western Mediterranean Sea, in situ data.

contract: MAS2-CT93-0075

Brankart J.M. and Brasseur P. (1996), "Optimal analysis of in-situ data in the Western Mediterranean using statistics and cross-validation", *J. Atmos. Oceanol. Tech.*, 16(2), 477-491.

kw: Western Mediterranean, data analysis, hydrological properties.

contract: MAS2-CT93-0055 MTP

Brankart J.M. and Brasseur P. (1996b), "The general circulation in the Mediterranean Sea: a climatological approach", *J. Mar. Sys.*, MERMAIDS special issue (in press).

kw: Mediterranean Sea, general circulation, climatological characteristics.

contract: MAS2-CT93-0055 MTP

Brasseur P. (1995), "The MAST-MODB project: an initiative for ocean data and information management in the Mediterranean Sea", *Oceanogr. Litt. Rev.*, 42 (5), 414-415.

kw: ocean data management, hydrographic data, climatology, Mediterranean Sea.

contract: MAS2-CT93-0075

Brasseur P. (1995), "Free data offered to researchers studying the Mediterranean", *EOS Transactions*, American Geophysical Union, 76, 336

kw: field observations, climatology, hydrographic data, general circulation.

contract: MAS2-CT93-0075

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kw: field observations, climatology, hydrographic data, general circulation.

contract: MAS2-CT93-0075

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kw: ocean data management, climatology, hydrography, Mediterranean Sea.

contract: MAS2-CT93-0075

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kw: Mediterranean Sea, data analysis, seasonal climatologies.

contract: MAS2-CT93-0075 and MAS2-CT93-0055 MTP

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kw: data fields, data assimilation.

contract: MAS2-CT92-0041 and MAS2-CT93-0066 MTP

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kw: chemotaxonomy, pigments, oligotrophy.

contract: MAS2-CT93-0061 MTP

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kw: paeopigments, phytoplankton, chemotaxonomy.

contract: MAS2-CT93-0061 MTP

Butterfield D.A. and Massoth G.J. (1994), "Geochemistry of north Cleft segment vent fluids: Temporal changes in chlorinity and their possible relationship to recent volcanism", *J. Geophys. Res.*, 99, 4159-4168.

kw: geochemistry, volcanism, chlorinity.

contract: MAS2-CT94-0101

Cacho I. (1995), "Estratigrafia molecular de dos testigos del Mediterraneo Occidental: Application del indice de insaturacion Uk37 en la reconstruccion de la evolution paleotermica del Mar de Alboran y del Mar Catalano-Balear en los altimos 20000 anos", *Tesi Llic. Univ. Barcelona*; 112 pp.

kw: Western Mediterranean, Alboran Sea, Catalan Sea, paleothermperature.

contract: MAS2-CT93-0053 MTP

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kw: molecular stratigraphy, sea surface paleotemperature, ketone, Alboran Sea, Catalan-Balearic Sea

contract: MAS2-CT93-0053 MTP

Calafat A.M., Casamor J.L., Canals M., Nyffeler F. (1996), "Distribution y composicion elemental de la materia particulada en suspension en el Mar Catalano-Balear", *Geogaceta*, 20 (2): 106-109.

kw: suspended particulate matter, elementary composition, synoptic cruise, Northwestern Mediterranean.

contract: MAS2-CT93-0053 MTP

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kw: submarine channels, continental slope, acoustic images, Ebro.

contract: MAS2-CT93-0053 MTP

Canals M. and Ballesteros E. (1996), "Production of carbonate particles by phytobenthic communities on the Mallorca-Menorca Shelf, Northwestern Mediterranean Sea", *Deep-Sea Res. Sp. Iss. Western Mediterranean*, Ed.: J.M. Martin; 24 pp (accepted).

kw: carbonate production, phytobenthic communities, algae, Balearic Islands.

contract: MAS2-CT93-0053 MTP

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kw: monitoring, Lagoon of Venice, ulva, eel grass, competition, diversity pattern.

contract: MAS2-CT92-0036

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kw: Mediterranean Sea, air-sea interactions, heat budget.

contract: MAS2-CT93-0055 MTP

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kw: prodelta deposition, nepheloid layers, calcareous sediment formation, sediment gravity processes.

contract: MAS2-CT94-0092 MTP

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kw: light transmission, onshore flow, resuspension processes

contract: MAS2-CT94-0092 MTP

Ciavatta M.L., Trivellone E., Cimino G. and Uriz M.J. (1994), "Chemical Diversity in the Mediterranean Sponge *Raspaciona aculeata*: Structure and Absolute Stereochemistry of Blanesin", *Tetrahedron Letters*, Vol. **35**, No. 42, pp. 7871-7874.

kw: sponge, Blanesin (structure, stereochemistry).

contract: MAS2-CT91-0004

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kw: polypropionates, molluscs.

contract: MAS2-CT91-0004

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kw: triterpenoid, sponge.

contract: MAS2-CT91-0004

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kw: biotransformation, sesterpenoid, nudibranch.

contract: MAS2-CT91-0004

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kw: diacylglycerol, nudibranch.

contract: MAS2-CT91-0004

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kw: sponge, triterpenoid, 2D-NMR, X-ray structure.

contract: MAS2-CT91-0004

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kw: sponge, raspacionin, triterpenoid.

contract: MAS2-CT91-0004

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kw: sponge, triterpenoid.

contract: MAS2-CT91-0004

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kw: Holocene, tsunami deposit, Eastern Mediterranean.

contract: MAS2-CT93-0051

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kw: Ionian Sea, ecological model, nutrient dynamics.

contract: MAS2-CT93-0055 MTP

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kw: model development, structural dynamics, macro algae, goal functions, competition.

contract: MAS2-CT92-0036

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kw: calibration, validation, model, ulva.

contract: MAS2-CT92-0036

Conan P. (1996), "Variabilité et bilan de la production primaire en zone cotière (Méditerranée Nord occidentale, entrée du Golfe du Lion) en relation avec les systèmes biologique, chimique et hydrodynamique (Courant Nord Méditerranéen)", PhD Thesis, Univ. de La Méditerranée, Marseille, 185 pp.

kw: primary production, budget, northern current, Gulf of Lions.

contract: MAS2-CT93-0053 MTP

Conan P. and Millot C. (1995), "Variability of the Northern Current off Marseilles, Western Mediterranean Sea, from February to June 1992", *Oceanologica Acta*, **18**, 2, 193-205.

kw: northern current, Gulf of Lions, variability, hydrology, flux.

contract: MAS2-CT92-0041 and MAS2-CT93-0066 MTP

Connan O., Le Corre P., Morin P. (1996), "Analyse de composés halocarbonés dans l'eau de mer: extraction par un système de "purge and trap", dosage par chromatographie en phase gazeuse", *Analusis*, **24** (**in press**).

kw: volatile halocarbons, chlorofluorocarbons, marine concentrations.

contract: MAS2-CT93-0061 MTP

Corselli C. and Basso D. (1996), "First evidence of benthic communities based on chemosynthesis on the Napoli mud volcano (Eastern Mediterranean)". In Cita M.B., Ivanov M.K. and Woodside J.M. (eds). The Mediterranean Ridge Diapiric Belt, *Marine Geology* (Special Issue) (**in press**).

kw: Mediterranean ridge, mud-volcanoes, chemosynthesis, molluscs.

contract: MAS2-CT93-0051

Cooper M. and Haines K. (1995), "Altimetric assimilation with water property conservation", *J. Geophys. Res.* (in press).

kw: altimetric assimilation.

contract: MAS2-CT93-0055 MTP

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kw: Eastern Mediterranean, extreme environments, physical oceanography, biological oceanography.

contract: MAS2-CT93-0051

Crise A., Crispi G., Mauri E. (1996), "A seasonal three dimensional model of the nitrogen cycle in the Mediterranean", *J. Mar. Sys.*, Mermaids special issue (in press).

kw: Mediterranean Sea, ecological model, nitrogen cycle.

contract: MAS2-CT93-0055 MTP

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kw: Data assimilation, sea level height, numerical model.

contract: MAS2-CT93-0055 MTP

Cronan D.S. and Varvanas S.P. (1993), "Submarine fumarolic and hydrothermal activity off Milos, Hellenic Volcanic Arc", *Terra Abstracts*, 5, 569.

kw: submarine hydrothermal waters, Milos island, Hellenic Volcanic Arc, Sediment geochemistry.

contract: MAS2-CT94-0101

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kw: oxygen, electrode, deep-sea sediments, redox.

contract: MAS2-CT93-0051

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kw: earthquakes, hydrothermal venting, nutrient inputs, Aegean Sea.

contract: MAS2-CT94-0101

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kw: hydrothermal vents, Aegean Sea, biological communities.

contract: MAS2-CT92-0058

Dando P.R., Leahy Y. (1993), "Hydrothermal activity off Milos, Hellenic Volcanic Arc", *BRIDGE News*, 5, 20-21.

kw: Hydrothermal activity, Hellenic Volcanic Arc.

contract: MAS2-CT92-0058

Dauby P., Bale A., Bloomer N., Canon C., Ling R.D., Norro A., Robertson J.E., Simon A., Théate J.M., Watson A.J., Frankignoulle M. (1995), "Particles fluxes over a Mediterranean seagrass bed: a one year case study", *Mar. Ecol. Prog. Ser.*, 126, 233-246.

kw: suspended matter, seagrass, detritus, plankton, sediment trap.

contract: MAS2-CT93-0051

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kw: biopolymeric carbon, bacterial dominance

contract: MAS2-CT94-0092 MTP

Danovaro R., Della Croce N., Dell'Anno A., Fabiano M., Marrale D., Martorano D., "Biochemical composition of the labile organic matter flux in the Cretan Sea: seasonal variability", *Progress in Oceanography*, Special issue on the Aegean Sea (**in press**).

kw: sediment traps, food index, bacterial carbon

contract: MAS2-CT94-0092 MTP

Danovaro R., Tselepides A., Otegui A. and Della Croce N., "Dynamics of meiofaunal assemblages on the Continental shelf and deep-sea sediments of the Cretan Sea: relationships with seasonal changes in food supply", *Progress in Oceanography*, Special issue on the Aegean Sea (**in press**).

kw: meiofaunal density/biomass, sedimentary labile organics matter

contract: MAS2-CT94-0092 MTP

De Lange G.J., Van Os B., Pruyssers P.A., Middelburg J.J., Castradori D., Van Santvoort P., Muller P.J., Eggenkamp H. and Prah F.G. (1994), "Possible early diagenetic alteration of Palaeo proxies", pp. 225-258 in R. Zahn et al. (Eds.) *Carbon Cycling in the Glacial Ocean : Constraints on the Ocean's role in global change*, Springer-Verlag, Berlin, Heidelberg (NATO ASI Series, Vol. 117).

kw: diagenetic alteration.

contract: MAS2-CT93-0051

Dekkers M.J., Langereis C.G., Vriend S.P., Van Santvoort P.J.M. and de Lange G.J. (1994), "Fuzzi c-means cluster analysis of early diagenetic effects on natural remanent magnetisation acquisition in a 1.1 Ma piston core from the Central Mediterranean", *Phys. Earth Planet. Inter.* (**in press**).

kw: natural remanent magnetisation, piston core, Central Mediterranean.

contract: MAS2-CT93-0051

Desaubies Y., Terre T. and aillard F. (1995), "Characterisitcs of signals recorded near shore in the Mediterranean during the THETIS 2 experiment", *Journal of the Acoustical Society of America*, 97, No 5(2), p. 3233.

kw: signals.

contract: MAS2-CT91-0006

Di Marzo V., Marin A., Vardaro R.R., De Petrocellis L., Villani G. and Cimino G. (1993), "Histological and biochemical bases of defense mechanisms in four species of Polybranchioidea ascoglossan molluscs", *Marine Biology*, 117, 367-380.

kw: defense mechanisms, molluscs.

contract: MAS2-CT91-0004

Diaz J.I., Palanques A., Nelson C.H. and Guillen J. (1995), "Morpho-structure and sedimentology of the Holocene Ebro prodelta mud belt (northwestern Mediterranean Sea)", *Cont. Shelf Res.*, 16 (4), 435-456.

kw: morphostructure, sedimentology, mud belt, Ebro.

contract: MAS2-CT93-0053 MTP

Dolan J.R. (1996), "Phosphorus and ammonia excretion by planktonic protists", *Mar. Geol. (in press)*.

kw: microzooplankton, nutrients, cell size, growth rates.

contract: MAS2-CT93-0063 MTP

Dolan J. R., Marassé C. (1995), "Planktonic ciliate distribution relative to a deep chlorophyll maximum: Catalan Sea, N.W. Mediterranean, June 1993", *Deep-Sea Res.*, 42:1965-1987.

kw: mixotrophic ciliates, diversity, microzooplankton.

contract: MAS2-CT93-0063 MTP

Dolan J. R., Thingstad T. F., Rassoulzadegan F. (1995), "Phosphate transfer between microbial size-fractions in Villefranche Bay (N.W. Mediterranean Sea), France in autumn 1992", *Ophelia*, 41:71-85.

kw: bacteria, nutrient cycling, microzooplankton, picoplankton.

contract: MAS2-CT93-0063 MTP

Duineveld G., Bak R.P.M., Tselepidis A., Berghius E.M., Nieuwland G., van der Weele J. and Kok A., "Benthic-Pelagic coupling in the oligotrophic Cretan Sea", *Progress in Oceanography*, Special issue on the Aegean Sea (in press).

kw: Sediment Community Oxygen Consumption (SCOC), microbial biomass, Particulate Organic Matter (POM).

contract: MAS2-CT94-0092 MTP

Durantel F. (1994), "Etude paleomagnetique haute résolution de la carotte KC19 provenant de Méditerranée Orientale", *Mémoire D.E.A.*, Université Paris Sud-Orsay, 34 pp.

kw: Western Mediterranean, paleomagnetism.

contract: MAS2-CT93-0051

Durrieu de Madron X. and Panouse M. (1996), "Transport de matière particulaire en suspension sur le plateau continental du Golfe du Lion -Situation estivale et hivernale", *C. R. Acad. Sc. Paris* (**in press**).

kw: suspended particulate matter, transport, continental shelf, Gulf of Lions.

contract: MAS2-CT93-0053 MTP

Eijsink L.M., de Lange G.J. and Krom M.D. (1994), "Various phosphorus phases in sediments from the Eastern Mediterranean : a comparison of some sequential extraction methods", (Poster presented at AGU Ocean Sciences Meeting at San Diego, February 1994 : Received award as one of the best presentations made by a young scientist at the meeting), *EOS, Transactions of the American Geophysical Union*, **75**, 110.

kw: Eastern Mediterranean, sediments, extraction methods.

contract: MAS2-CT93-0051

Ercilla G., Diaz J.I., Alonso B. and Farran M. (1995), "Late Pleistocene-Holocene sedimentary evolution of the northern Catalonia continental shelf (northwestern Mediterranean Sea)", *Cont. Shelf Res.*, **15** (11/12): 1435-1451.

kw: Holocene, sedimentary evolution, continental shelf, Catalonia.

contract: MAS2-CT93-0053 MTP

Ercilla G., Farran M., Alonso B. and Diaz J.I. (1994), "Pleistocene propagational growth pattern of the northern Catalonia continental shelf (Northwestern Mediterranean)", *Geo-Mar. Lett.*, **14**: 264-271.

kw: Pleistocene, continental shelf, sedimentology, Catalonia.

contract: MAS2-CT93-0053 MTP

Estrada M., Marassé C., Salat J. (1995), "In vivo fluorescence/chlorophyll a ratio as an ecological indicator in oceanography", *Sci. Mar.* (**in press**).

kw: phytoplankton, fluorescence to chlorophyll ratios, quenching.

contract: MAS2-CT93-0063 MTP

EUROMODEL Group (1995), "Progress from 1989 to 1992 in understanding the circulation of the Western Mediterranean", *Oceanologica Acta*, **18**, 2, 255-271.

kw: circulation, Western Mediterranean.

contract: MAS2-CT92-0041 and MAS2-CT93-0066 MTP

Fenchel T. (1994), "Motility and chemosensory behaviour of the sulphur bacterium *Thiovolum majus* Hinze", *Microbiology* **140**(11): 2907-3189.

kw: Thiovolum, chemosensory behaviour, mobility, oxygen gradients.

contract: MAS2-CT92-0058

Fenchel T., Bernard C. (199?), "Behavioural responses in oxygen gradients of Ciliates from Microbial mats", *European Journal of Protozoology* (**in press**).

kw: chemosensory behaviour, oxygen gradients, microbial mats, marine sediments, microaerophily, ciliates.

contract: MAS2-CT92-0058

Fenchel T., Bernard C. (1995), "Mats of colourless sulphur bacteria. I. Major microbial processes", *Marine Ecology Progress*, Vol. **128**: 161-170.

kw: microbial mats, chemoautotrophic production, colourless sulphur bacteria, oxic-anoxic interface.

contract: MAS2-CT92-0058

Fenchel T., Bernard C., Esteban G., Finlay B.L., Hansen P.J., Iversen N. (1995), "Microbial diversity and activity in a Danish fjord with anoxic deep water", *Ophelia*, **43**(1): 45-100.

kw: anoxic basins, anaerobic microbial processes, chemocline, protozoa.

contract: MAS2-CT92-0058

Fenchel T., Finlay B. (1995), "Ecology and evolution in anoxic worlds", *Oxford University Press, Oxford*, 276pp.

kw: anoxic worlds.

contract: MAS2-CT92-0058

Ferrier-Pagés C., Rassoulzadegan F. (1994), "N remineralisation in planktonic protozoa", *Limnol. Oceanogr.*, **39**:411-419.

kw: Nitrogen, microzooplankton, culture, nutrients.

contract: MAS2-CT93-0063 MTP

Ferrier-Pagés C., Rassoulzadegan F. (1994), "Seasonal impact of the microzooplankton on pico- and nanoplankton growth rates in the Northwestern Mediterranean Sea", *Mar. Ecol. Prog. Ser.*, **108**:283-294.

kw: microzooplankton, pico & nanoplankton growth, regenerated production, seasonal cycle.

contract: MAS2-CT93-0063 MTP

Ferriere L. (1995), "Etude de la biodégradabilité du carbone organique dissous et colloïdal en milieu côtier. Etude d'un pilote d'ultrafiltration tangentielle à flux turbulent", D.E.A. "Sciences de l'Environnement marin" option océanologie biologique, Université d'Aix-Marseille II, 40 pp.

kw: biodegradability, dissolved organic carbon, colloidal organic carbon.

contract: MAS2-CT94-0090 MTP

Folegot T. (1995), "Simulations et inversions de données acoustiques pour déterminer la structure thermique en Méditerranée occidentale", Travail de fin d'études, Ecole Centrale de Lyon.

kw: simulation, thermal structure, Western Mediterranean.

contract: MAS2-CT91-0006

Font J., Garcia Ladona E. and Gorriz E.G. (1995), "The seasonality of mesoscale motion in the Northern current of the western Mediterranean: several years of evidence", *Oceanologica Acta PRIMO 0*, Vol. **18**, 2, 207-219.

kw: Northwestern Mediterranean, current, mesoscale dynamics, seasonal variability.

contract: MAS2-CT92-0041 and MAS2-CT93-0066 MTP

Fontana A., Giménez F., Marin A., Mollo E., Cimino G. (1994), "Transfer of secondary metabolites from the sponges *Dysidea fragilis* and *Pleraplysilla spinifera* to the mantle dermal formations (MDFs) of the nudibranch *Hypselodoris webbi*", *Experientia*, **50: 510-515.**

kw: nudibranch, sponge, furanosesquiterpenoids.

contract: MAS2-CT91-0004

Fontana A., Trivellone E., Mollo E., Cimino G. (April 1994), "Further chemical studies of Mediterranean and atlantic *Hypselodoris* nudibranchs: a new furanosesquiterpenoid from *Hypselodoris webbi*", *Journal of Natural Products*, Vol. **57, No 4: 510-513.**

kw: nudibranchs, furanosesquiterpenoid

contract: MAS2-CT91-0004

Frankignoulle M. (1994), "A complete set of buffers for acid/base CO₂ system in seawater", *Journal of Marine Systems*, **5, 111-118.**

kw: carbon dioxide, buffer factor, acid.

contract: MAS2-CT93-0051

Frankignoulle M., Canon C. and Gattuso J.P. (1994), "Marine calcification as a source of carbon dioxide : Positive feedback of increasing CO₂", *Limnology and Oceanography*, **39 (2), 458-462.**

kw: calcification, carbon dioxide, atmosphere, feedback.

contract: MAS2-CT93-0051

Frankignoulle M., Pichon M. and Gattuso J.P. (1995), "Aquatic calcification as a source of carbon dioxide". In Beran A. (ed) *Carbon Sequestration in the Biosphere*, NATO ASI Series, Springer-Verlag, Vol. **133: 265-271.**

kw: calcification, carbon dioxide, sequestration, biosphere.

contract: MAS2-CT93-0051

Gacic M., Kovacevic V., Manca B., Papageorgiou E., Poulain P.M., Scarazzato P. and Vetrano A. (1996), "Thermohaline properties and circulation in the Otranto Strait", *CIESM Science Series n°2, Bulletin de l'institut océanographique, Monaco*, special issue 17, 117-145.

kw: water masses, exchange rate, Adriatic Sea.

contract: MAS2-CT93-0068 MTP

Garcia Gorriz E. (1995), "Aplicación de un perfilador acústico por efecto doppler a la medida de corrientes marinas en el Mediterráneo occidental (Volumen 1: Texto, Volumen 2: Figuras)". Tesis doctoral Programa de Ciencias del Mar, UPC-UB-CSIC Institut de Ciències del Mar de Barcelona, Noviembre 1995?

kw: Western Mediterranean, currents, acoustics.

contract: MAS2-CT92-0041 and MAS2-CT93-0066 MTP

Garcia Ladona E., Tintoré J., Pinot J.M., Font J. and Manriquez M. (1994), "Surface circulation and dynamics of the Balearic Sea". In: *The Seasonal and interannual variability of the Westent Mediterranean Sea*, P.E. La Violette ed., *AGU/Springer Verlag*, vol. 46, pp 73-91.

kw: circulation, dynamics, Balearic Sea.

contract: MAS2-CT92-0041 and MAS2-CT93-0066 MTP

Garrett C., Outerbridge R. and Thompson K. (1993), "Interannual variability in the Mediterranean heat and buoyancy fluxes", *J. Climate*, 6, 900-910.

kw: interannual variability, fluxes.

contract: MAS2-CT91-0006

Gattuso J.P., Pichon M. and Frankignoulle M. (1994), "Marine calcification: organism, ecosystems and global scales", *Bulletin Oceanographique de Monaco* (in press).

kw: marine calcification.

contract: MAS2-CT93-0051

Gavagnin M., Marin A., Castelluccio F., Villani G., Cimino G. (1994), "Defensive relationships between *Caulerpa prolifera* and its shelled sacoglossan predators", *Journal of Experimental Marine Biology and Ecology* 175: 197-210

kw: algal-herbivore interaction, Caulerpalean algae, protected dialdehyde, sacoglossan.

contract: MAS2-CT91-0004

Gavagnin M., Marin A., Mollo E., Crispino A., Villani G., Cimino G. (1994), "Secondary metabolites from Mediterranean Elysoidea: origin and biological role", *Comp. Biochem. Physiol.*, 108B: 107-115.

kw: sacoglossans, diterpenoids, polypropionates.

contract: MAS2-CT91-0004

Gavagnin M., Spinella A., Castelluccio F., Cimino G. (February 1994), "Polypropionates from the Mediterranean mollusk *Elysia timida*", *Journal of Natural Products*, Vol 57, No. 2: 298-304.

kw: polypropionates, mollusk.

contract: MAS2-CT91-0004

Georgopoulos D., Chronis G., Zervakis V., Lykousis V., Poulos S. and Iona A., "Hydrology and circulation in the Southern Cretan Sea during the CINCS experiment (May 1994-September 1995)", *Progress in Oceanography*, Special issue on the Aegean Sea (in press).

kw: Transition Mediterranean Water (TMW), onslope flow, saline lenses.

contract: MAS2-CT94-0092 MTP

Giordani P., Frignani M., Miserocchi S., Balboni V., Langone L., Cochran J.K. (1995), "Biogeochemical processes in the water column and at the sediment water interface in the Adriatic Sea", *Annales geophysicae Part II*, Supplement to vol.13, C241.

kw: Adriatic Sea, sediment-water interface, water column.

contract: MAS2-CT93-0052 MTP

Giordani P., Miserocchi S., Balboni V., Malaguti A., Lorenzelli R., Honsell G., Poniz P., Poletti R., Milandri A., Ceredi A., "Trophic conditions in the northern Adriatic Sea: preliminary results for a NW coastal area", *Marine Chemistry*.

kw: Northern Adriatic Sea, trophic conditions.

contract: MAS2-CT93-0052 MTP

Giordani P., Miserocchi S., Balboni V., Malaguti A., Lorenzelli R., Honsell G., Poniz P., "Factors controlling in the north west Adriatic Basin: seasonal variability", *Marine Chemistry* (in press).

kw: North west Adriatic basin, seasonal variability.

Gooday A.J. (1993), "Deep-sea benthic foraminiferal species which exploit phytodetritus: Characteristic features and controls on distribution", *Marine Micropaleontology*, **22**, 187-205.

kw: benthic foraminiferal species, phytodetritus.

contract: MAS2-CT92-0037

Gotsis-Skretas O., Pagou K., Moraitou-Apostolopoulou M. and Igantiades L. (1996), "Seasonal variability in primary production and standing stocks of phytoplankton and zooplankton in the Eastern Mediterranean: South Aegean Sea and the Straits of the Cretan Arc", *Progress in Oceanography*, Special issue on the Aegean Sea (in press).

kw: South Aegean Sea, primary production, seasonal variability.

contract: MAS2-CT93-0059 MTP

Greiner E., "Mise en oeuvre de méthodes de contrôle optimal pour l'assimilation de données *in situ* et satellitaires dans les modèles océaniques", *Ph. D. Thesis, Université Pierre et Marie Curie, Paris*, 220 p.

kw: models, satellite.

contract: MAS2-CT92-0041 and MAS2-CT93-0066 MTP

Guo Y., Gavagnin M., Trivellone E. and Cimino G. (1994), "Absolute Stereochemistry of Petroformynes, High Molecular Polyacetylenes from the Marine Sponge *Petrosia ficiformis*", *Tetrahedron*, **50**(46), 13261-13268.

kw: petroformynes, polyacetylenes, sponge.

contract: MAS2-CT91-0004

Guyot M. (1994), "Bioactive metabolites from marine invertebrates", *Pure & Appl. Chem.*, **66**, 2223.

kw: bioactive metabolites, invertebrates.

contract: MAS2-CT91-0004

Hagerman L., Vismann B. (1995), "Anaerobic metabolism in the shrimp *Crangon crangon* exposed to anoxia and sulfide", *Marine Biology* (in press).

kw: anaerobic metabolism, shrimp.

contract: MAS2-CT92-0058

Haines K. (1993), "Dynamics and data assimilation in oceanography", *NATO ASI Vol 19, "Data assimilation"*.

kw: dynamics, assimilation.

contract: MAS2-CT93-0055 MTP

Haines K. and Wu P. (1995a), "A Modelling study of the thermohaline circulation of the Mediterranean: Water formation and dispersal", *Oceanologica Acta*, **18**(4), 401-417.

kw: Mediterranean Sea, general circulation, water mass spreading.

contract: MAS2-CT93-0055 MTP

Haines K. and Wu P. (1996), "GCM studies of intermediate and deep waters in the Mediterranean", *J. Mar. Sys.*, MERMAIDS special issue (**in press**)

kw: Mediterranean Sea, general circulation model, water mass formation.

contract: MAS2-CT93-0055 MTP

Harzallah A., Cadet D. and Crépon M. (1993), "Possible forcing effects of net evaporation, atmospheric pressure and transients on water transports in the Mediterranean Sea", *J. Geophys. Res.*, **98**, C7, 12341-12350.

kw: forcing effects, evaporation, atmospheric pressure, water transport.

contract: MAS2-CT92-0041 and MAS2-CT93-0066 MTP

Henneke E. (1993), "Early diagenetic processes and sulphur speciation in pore waters and sediments of the hypersaline Tyro and Bannock Basins, eastern Mediterranean", Ph.D. Thesis (University of Utrecht, NL), 150 pp.

kw: sediments, Tyro basin, Bannock basin, pore water, Eastern Mediterranean.

contract: MAS2-CT93-0051

Herbaut C., Mortier L. and Crépon M. (1996), "A sensitivity study of the general circulation of the Western Mediterranean Sea. Part I: The response to density forcing through the straits", *J. Phys. Oceanogr.*, **26**(1), 65-84.

kw: circulation, Western Mediterranean Sea.

contract: MAS2-CT92-0041 and MAS2-CT93-0066 MTP

Hermand J.P. and Roderick W.I. (1991), "Delay-Doppler resolution performance of large time-bandwidth product linear FM signals in a multipath ocean environment", *J. Acoust. Soc. Am.*, **84** (5), 1709-1727.

kw: FM signals, delay-Doppler measurements.

contract: MAS2-CT91-0006

Higgs N.C., Thomson J., Wilson T.R.S. and Croudace I.W. (1994), "Modification and complete removal of eastern Mediterranean sapropels by postdepositional oxidation", *Geology*, **22**, 423-436.

kw: deep-sea sediments, redox, oxidation, sapropel.

contract: MAS2-CT93-0051

Hodkinson R.A., Cronan D.S., Varvanas S.P. and Perissoratis C. (1994), "Regional Geochemistry of Sediments from the Hellenic Volcanic Arc in Regard to Submarine Hydrothermal Activity", *Mar. Georesources and Geotechnology*, **12**, 83-129.

kw: analysis of variance, bulk geochemistry, Hellenic Volcanic Arc, hydrothermal sediments, partition geochemistry, principal components analysis.

contract: MAS2-CT94-0101

Höfle M. (1996), "Genotyping of bacterial isolates from the environment using Low-Molecular-Weight RNA fingerprints", *Molecular Microbial Ecology Manual* (in press).

kw: bacterial identification, LMWRNA.

contract: MAS2-CT94-0090 MTP

Ignatiades L., Vassiliou A. and Kozanaglou K. (1996), "The oligotrophic status of Southern Aegean Sea as determined by size fractionated pigments", *Progress in Oceanography*, Special issue on the Aegean Sea (in press).

kw: South Aegean Sea, oligotrophy.

contract: MAS2-CT93-0059 MTP

Ilan M., Vacelet J. (1993), "*Kubira uteoides* (Porifera, Calcarca) a recent "Pharetronid" sponge from coral reef", *Ophelia*, **38**, 107.

kw: sponge, coral reef.

contract: MAS2-CT91-0004

Jensen P. (1995), "Life history of the nematode *Theristus anoxybioticus* from sublittoral muddy sediment at methane seepages in the northern Kattegat, Denmark", *Marine Biology* (in press).

kw: muddy sediment, methane seepages.

contract: MAS2-CT92-0058

Jensen P. (1995), "*Theristus (Penzancia) anoxybioticus n. sp.* (Nematode: Xyalidae) from sublittoral methane seepages in the northern Kattegat, Denmark", *Journal of Nematology*, **27**(2): 231-236.

kw: Kattegat, seepages, mud, nematode, methane.

contract: MAS2-CT92-0058

Jourdain G. and Henrioux J.P. (1991), "Use of large bandwidth-duration binary phase shift keying signals in target delay Doppler measurements", *J. Acoust. Soc. Am.*, **90** (1), 299-309.

kw: delay-Doppler measurements.

contract: MAS2-CT91-0006

Kallianiotis A., Lambrakis M. and Tselepidis A., "Bathymetric distribution of fish assemblages over the Continental Margin of Crete", *Progress in Oceanography*, Special issue on the Aegean Sea (in press).

kw: abundance, biomass, diversity

contract: MAS2-CT94-0092 MTP

Karner M., Ferrier-Pagés C., Rassoulzadegan F. (1994), "Phagotrophic nanoflagellates contribute to occurrence of alpha-glucosidase and aminopeptidase in marine environments", *Mar. Ecol. Prog. Ser.*, 114:237-244.

kw: extracellular enzyme, bacteria, protozoa, organic matter cycling.

contract: MAS2-CT93-0063 MTP

Karner M., Rassoulzadegan F. (1995), "Extracellular enzyme activity: indications for high short-term variability in a coastal marine ecosystem", *Microb. Ecol.*, 30:143-156.

kw: diel cycle, bacteria, organic matter cycling, mediterranean.

contract: MAS2-CT93-0063 MTP

Kerherve P., Charriere B. et Gadel F. (1995), "Determination of marine monosaccharides by High Performance Anion-Exchange Chromatography (HPAEC) with Pulsed Amperometric Detection (PAD)", *Journal of Chromatography A*, 718, 283-289.

kw: marine monosaccharides, high performance anion-exchange chromatography (HPAEC), pulsed amperometric detection (PAD), technique.

contract: MAS2-CT93-0053 MTP

Kerherve P., Charriere B. et Gadel F., "Determination of marine monosaccharides by high pH anion exchange chromatography with pulsed ampérométric detection", *Journal of Chromatography A*, 718, 283-289.

kw: marine monosaccharides, high pH anion exchange chromatography, pulsed amperometric detection.

contract: MAS2-CT93-0052 MTP

Kontoyiannis H., Theocharis A., Balopoulos E., Kioroglou S., Papadopoulos V., Collins M.B., Velegrakis A. and Iona A. (1996), "Water fluxes through the Cretan Arc Straits, Eastern Mediterranean Sea: March 1994-June 1995", *Progress in Oceanography*, Special issue on the Aegean Sea (in press**).**

kw: Cretan Arc Straits, water fluxes.

contract: MAS2-CT93-0059 MTP

Kotsovinos N. (1996), "A comparative analysis of the density profiles from CEC/MAST-MTP PELAGOS and POEM cruises - The cyclic status of the double diffusion instability at the Cretan Sea", *Progress in Oceanography*, Special issue on the Aegean Sea (in press**).**

kw: Cretan Sea, double diffusion.

contract: MAS2-CT93-0059 MTP

Kotsovinos N. (1996), "The Ierapetra and Rhodes Gyres: An assumption for their generation and their laboratory investigation", *Progress in Oceanography*, Special issue on the Aegean Sea (in press**).**

kw: Eastern Mediterranean, gyres.

contract: MAS2-CT93-0059 MTP

Krassakopoulou E., Souvermezoglou E., Pavlidou A., Kontoyiannis H. (1996), "Oxygen and nutrients exchanges and fluxes through the Straits of the Cretan Arc (March 1994 - January 1995), *Progress in Oceanography*, Special issue on the Aegean Sea (in press).

kw: Cretan Arc Straits, nutrients, fluxes

contract: MAS2-CT93-0059 MTP

Krestenitis Y.N. and Valioulis I.A. (1996), "Investigation of the deep water formation in the N. Aegean Sea Basin, in free surface flow and hydraulic software", Ed. W.R. Blain and K.L. Katsifarakis, *Hydr. Engin. Soft*, vol. 2, 107-114.

kw: Aegean sea, deep water formation, interannual variability.

contract: MAS2-CT93-0055 MTP

Lafay B., Boury-Esnault N., Vacelet J., Christen R. (1992), "An analysis of partial 28S ribosomal RNA sequences suggests early radiations of sponges", *BioSystems*, 28, 139-151.

kw: 28S ribosomal RNA, sponges.

contract: MAS2-CT91-0004

Lamshead P.J.D. and Hodda M. (1994), "The impact of disturbance on measurements of variability in marine nematode populations", *Vie Milieu*, 44 (1), 21-27.

kw: nematode populations.

contract: MAS2-CT92-0037

Langereis C.G., Dekkers M.J., Van Santvoort P.J.M. and de Lange G.J. (1996), "Magnetostratigraphy and astronomical calibration of the last 1.1 Myr from a Central Mediterranean piston core and dating of short events in the Brunhes", *Geoph..J. Intl.* (in press).

kw: magnetostratigraphy, astronomical calibration, piston core, Brunhes.

contract: MAS2-CT93-0051

Langston W.J. (1995), "Tributyl tin in the marine environment: a review of past and present risks", *Pesticide Outlook*, 18-24.

kw: risks, tributyltin.

contract: MAS2-CT94-0099

Larnicol, G., Le Traon P.Y., Ayoub N. and De Mey, P. (1995), "Mean sea level and variable circulation of the Mediterranean Sea from two years of topex/poseidon altimetry", *Jour. Geophys. Res.*, 100, 25163-25177.

kw: Mediterranean Sea, sea surface elevation, mean sea level fluctuations.

contract: MAS2-CT93-0055 MTP

Lascartos, A., R.G. Williams and E. Tragou (1993), "A mixed-layer study of the formation of Levantine intermediate water", *J. Geophys. Res.*, 98,C8, 14, 739-14, 749.

kw: Levantine intermediate water.

contract: MAS2-CT93-0055 MTP

Lefevre D., Denis M., Lambert C.E. and Miquel J.C. (1996), "Is DOC the main source of organic matter remineralization in the ocean water column", *J. Mar. Systems*, 7, 281-291.

kw: dissolved organic carbon, particulate organic carbon, ETS activity.

Legendre L., Rassoulzadegan F. (1995), "Plankton and nutrient dynamics in coastal waters", *Ophelia*, 41:153-172.

kw: food webs, nutrient pulses, microbial loop.

contract: MAS2-CT93-0063 MTP

Litaudon M., Trigalo F., Martin M.T., Frappier F., Guyot M. (1994), "Lissoclinotoxins: antibiotic polysulfur derivatives from the tunicate *Lissoclinum perforatum*. Revised structure of Lissoclinotoxin A", *Tetrahedron*, 50(18): 5323-5334.

kw: antibiotic polysulfur derivatives.

contract: MAS2-CT91-0004

Lopez M.J., Millot C. and Font J. (1993), "Circulacion superficial en el mar Balear durante el invierno a partir de imagenes NOAA-AVHRR". In: *Teledeteccion y Medio Ambiente*. IV Reunion Cientifica AET, J.M. Moreira ed., Agencia del Medio Ambiente, Junta de Andalucia, Sevilla: 355-361 ISBN 84-87294-83-3.

kw: circulation, Balearic Sea.

contract: MAS2-CT92-0041 and MAS2-CT93-0066 MTP

Lopez M.J., Millot C., Font J. and Garcia Ladona E. (1994), "Surface circulation variability in the Balearic basin", *J. Geophys. Res.*, 99, C2, 3285-3296.

kw: circulation, Balearic basin.

contract: MAS2-CT92-0041 and MAS2-CT93-0066 MTP

Lorentz E.N. (1993), "The essence of Chaos", *Univ. of Washington Press*, 227 pp.

kw: Chaos.

contract: MAS2-CT91-0006

Loukaci A., Guyot M. (1994), "Trikenidiol.- An unusual red pigment from the sponge *Trikenion loeve*, anti-HIV-1 metabolite", *Tetrahedron lett.*, 35, 6869.

kw: pigment, sponge, anti-HIV-1 metabolite.

contract: MAS2-CT91-0004

Loukaci A. and Guyot M., "Revised Assignments of the ^{13}C NMR Spectra of Grossularine-1 and -2 Using 2D Heteronuclear $^1\text{H}/^{13}\text{C}$ Correlations", **accepted** in *Magn. Resomm. in Chemistry*.

kw: 2D heteronuclear $^1\text{H}/^{13}\text{C}$ correlations, alpha-carbolines, grossularines.

contract: MAS2-CT91-0004

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kw: net heat transport, strait of Gibraltar.

contract: MAS2-CT91-0006

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kw: sponges, crabs, epibiosis.

contract: MAS2-CT91-0004

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kw: water exchange, strait of Sicily.

contract: MAS2-CT91-0006

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kw: fluorochromes, picoplankton, method, cell cycle analysis.

contract: MAS2-CT93-0063 MTP

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kw: non-hydrostatic model, general circulation, numerical experiments.

contract: MAS2-CT93-0055 MTP

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kw: open ocean convection, theoretical model, laboratory model.

contract: MAS2-CT93-0055 MTP

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kw: antifouling, benthic invertebrates, chemical bioactivity.

contract: MAS2-CT91-0004

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kw: 210Pb, datation, sedimentation rate, Northwestern Mediterranean.

contract: MAS2-CT93-0053 MTP

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kw: South Aegean Sea, numerical modelling.

contract: MAS2-CT93-0059 MTP

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kw: acoustic tomography.

contract: MAS2-CT91-0006

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contract: MAS2-CT91-0006

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kw: Northwestern Mediterranean.

contract: MAS2-CT91-0006

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kw: heavy metals, atmospheric deposition, anthropogenic effect.

contract: MAS2-CT93-0061 MTP

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kw: arsenic, antimony, riverine environment.

contract: MAS2-CT93-0061 MTP

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kw: mediterranean Seas.

contract: MAS2-CT92-0041 and MAS2-CT93-0066 MTP

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kw: models, synergetic approach.

contract: MAS2-CT92-0041 and MAS2-CT93-0066 MTP

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kw: Water mass content, seasonal variation, Western Mediterranean.

contract: MAS2-CT92-0041 and MAS2-CT93-0066 MTP

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kw: South Aegean Sea, zooplankton.

contract: MAS2-CT93-0059 MTP

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kw: detrital particles, detritus, staining, DAPI Yellow Particles.

contract: MAS2-CT93-0063 MTP

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kw: detrital particles, detritus, staining, microbial populations.

contract: MAS2-CT93-0063 MTP

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kw: acoustic tomography.

contract: MAS2-CT91-0006

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kw: lead concentration, environmental evolution.

contract: MAS2-CT93-0061 MTP

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kw: Levantine intermediate water, numerical study, formation rate.

contract: MAS2-CT93-0055 MTP

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kw: Pleistocene, Holocene, Sicily Channel.

contract: MAS2-CT93-0051

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kw: heavy metals, suspended particulate matter, continental shelf, Barcelona.

contract: MAS2-CT93-0053 MTP

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contract: MAS2-CT93-0053 MTP

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contract: MAS2-CT93-0053 MTP

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kw: deep-sea lobes, erosion, deposition, Valencia.

contract: MAS2-CT93-0053 MTP

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contract: MAS2-CT91-0006

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kw: prochlorococcus, phosphate starvation, cell cycle, flow cytometry.

contract: MAS2-CT93-0063 MTP

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kw: sapropels, pyritisation, eastern Mediterranean, sulphide diffusion.

contract: MAS2-CT93-0051

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kw: bacteria, cyanobacteria, competition, selective feeding.

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kw: Tyrrhenian Sea, numerical model, wind forcing.

contract: MAS2-CT93-0055 MTP

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kw: Theoretical model, topographical modes, planetary modes.

contract: MAS2-CT93-0055 MTP

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kw: Mediterranean Sea, general circulation, interannual variability.

contract: MAS2-CT93-0055 MTP

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contract: MAS2-CT93-0055 MTP

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kw: Mediterranean Sea, general circulation model, validation.

contract: MAS2-CT93-0055 MTP

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contract: MAS2-CT92-0041 and MAS2-CT93-0066 MTP

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contract: MAS2-CT92-0041 and MAS2-CT93-0066 MTP

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kw: circulation, mesoscale eddy/front system.

contract: MAS2-CT92-0041 and MAS2-CT93-0066 MTP

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kw: Omega equation, vertical motions, oceanic fronts.

contract: MAS2-CT92-0041 and MAS2-CT93-0066 MTP

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kw: Cretan Sea., biogeochemistry, suspended particulate matter.

contract: MAS2-CT93-0059 MTP

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kw: C-14, phytoplankton composition, oligotrophy

contract: MAS2-CT94-0092 MTP

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kw: 210Pb, 210Po, particulate matter, Bay of Biscay, Gulf of Lions.

contract: MAS2-CT93-0053 MTP

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kw: water chemistry (Eastern Mediterranean), tectonics (Pliny and Strabo Trenches), sapropels (anorganic chemistry), continental margin mass movements.

contract: MAS2-CT93-0051

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kw: Adriatic Sea, fresh water balance, river runoff.

contract: MAS2-CT93-0055 MTP

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kw: lift off, entrainment, sediments, modelling.

contract: MAS2-CT93-0053 MTP

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contract: MAS2-CT92-0037

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kw: turbidite, anoxic sediments, Holocene, Eastern Mediterranean.

contract: MAS2-CT93-0051

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kw: turbidity currents, hypersaline anoxic basin.

contract: MAS2-CT93-0051

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kw: pollutants, dispersion, nearshore, modelling.

contract: MAS2-CT93-0053 MTP

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kw: Eastern Mediterranean, passive tracers, water mass distribution.

contract: MAS2-CT93-0055 MTP

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kw: Eastern Mediterranean, hydrological characteristics, water masses age.

contract: MAS2-CT93-0055 MTP

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kw: Eastern Mediterranean. Sea, deep water, climatic change.

contract: MAS2-CT93-0068 MTP and MAS2-CT93-0055 MTP

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kw: thermohaline circulation, Eastern Mediterranean.

contract: MAS2-CT93-0055 MTP

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kw: salinity increase, temperature increase, Western Mediterranean, deep water.

contract: MAS2-CT91-0006

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kw: Analytical technique, liquid membrane, sample digestion, sediment.

contract: MAS2-CT93-0053 MTP

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kw: pollen, Eastern Mediterranean, glacial-interglacial transition.

contract: MAS2-CT93-0051

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kw: Mediterranean Sea, general circulation, atmospheric forcing.

contract: MAS2-CT93-0055 MTP

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kw: Mediterranean Sea, thermohaline circulation, transient tracers.

contract: MAS2-CT93-0055 MTP

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kw: Adriatic Sea, hydrology, circulation.

contract: MAS2-CT93-0055 MTP

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kw: currents, southern Catalan Sea.

contract: MAS2-CT92-0041 and MAS2-CT93-0066 MTP

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kw: shelfslope front, northeast Spain.

contract: MAS2-CT92-0041 and MAS2-CT93-0066 MTP

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kw: circulation, Ligurian Sea.

contract: MAS2-CT92-0041 and MAS2-CT93-0066 MTP

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kw: seasonal variabilities, mesoscale variabilities, current.

contract: MAS2-CT92-0041 and MAS2-CT93-0066 MTP

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kw: ¹³⁷Cs, Northern Current, tracer, Northwestern Mediterranean.

contract: MAS2-CT93-0053 MTP

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kw: Marine pollution, Integrated surveillance, User requirements, Ligurian basin.

contract: MAS2-CT94-0094

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kw: double diffusion.

contract: MAS2-CT91-0006

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kw: Mediterranean Sea, wind stress distribution, interannual variations.

contract: MAS2-CT93-0055 MTP

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kw: dimethylsulfide, dimethylsulphoniopropionate, dimethylsulphoxide, chlorophyll.

contract: MAS2-CT93-0063 MTP

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kw: dimethyl sulfide, dimethylsulphoniopropionate, stratified marine systems, microbial heterotrophic activity.

contract: MAS2-CT93-0063 MTP

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kw: Cretan Arc Straits, hydrodynamical modelling.

contract: MAS2-CT93-0059 MTP

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contract: MAS2-CT91-0006

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contract: MAS2-CT92-0037

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kw: abundance, biomass, diversity

contract: MAS2-CT94-0092 MTP

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kw: trophic relations, submarine caves

contract: MAS2-CT92-0058

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kw: circulation, détroits.

contract: MAS2-CT92-0041 and MAS2-CT93-0066 MTP

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kw: mollusc, sesquiterpenoid, porostome nudibranch.

contract: MAS2-CT91-0004

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kw: cephalaspidean molluscs, 3-alkylpyridines, alarm pheromone.

contract: MAS2-CT91-0004

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kw: sediment traps, particulate organic/inorganic fluxes, seasonal variability

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kw: Eastern Mediterranean, model water formation, model water dispersal.

contract: MAS2-CT93-0055 MTP

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kw: Mediterranean Sea, water masses age, oxygen content.

contract: MAS2-CT93-0055 MTP

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kw: vertical fluxes, lipids, daily variations.

contract: MAS2-CT94-0090 MTP

Souvermezoglou E., Pavlidou A. and Krassakopoulou E. (1996), "Temporal variability in oxygen and nutrients concentrations at the South Aegean Sea and the Straits of the Cretan Arc (March 1994 - January 1995)", *Progress in Oceanography*, Special issue on the Aegean Sea (**in press**).

kw: South Aegean Sea, nutrients, oxygen, temporal variability

contract: MAS2-CT93-0059 MTP

Taroudakis M.I. and Papadakis J.S. (1993), "Modal inversion schemes for Ocean Acoustic Tomography", *J. Comp. Acoust.*, **1**, 395-421.

kw: acoustic tomography.

contract: MAS2-CT91-0006

Taroudakis M.I. (1994), "Variations of tomography signals in shallow water due to bottom topography irregularities", *Journal de Physique*, vol. **2**, suppl. JPIII no 5, pp. C5.1079 - C5.1082.

kw: tomography signals, topography irregularities.

contract: MAS2-CT91-0006

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kw: deep convection.

contract: MAS2-CT91-0006

Theocharis A., Balopoulos E.Th., Kioroglou S., Kontoyiannis H. and Iona A. (1996), "A synthesis of the circulation and hydrography of the South Aegean Sea and the Straits of the Cretan Arc (March 1994-January 1995)", *Progress in Oceanography*, Special issue on the Aegean Sea (**in press**).

kw: Cretan Sea, circulation, hydrography

contract: MAS2-CT93-0059 MTP

Theodorou A., Balopoulos E. and Bouladaki A. (1996), "Circulation in the South Cretan Sea and its environs inferred from neutral surface analysis", *Progress in Oceanography*, Special issue on the Aegean Sea (**in press**).

kw: Cretan Sea, neutral surface analysis.

contract: MAS2-CT93-0059 MTP

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kw: bacterial decay, phosphate metabolism, viruses.

contract: MAS2-CT93-0063 MTP

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kw: phosphorus limitation, microbial food webs, carbon cycles.

contract: MAS2-CT93-0063 MTP

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kw: hydrostatic pressure, deep sea bacteria.

contract: MAS2-CT94-0090 MTP

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contract: MAS2-CT93-0051

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kw: deep-sea sediments, Heinrich events, oxidation, glacial / interglacial climatic change.

contract: MAS2-CT93-0051

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kw: deep-sea sediments, sapropel, oxidation, redox-sensitive elements.

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kw: Hydrodynamics, particle transport, mesoscale modelling, Gulf of Lions.

contract: MAS2-CT93-0053 MTP

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kw: iodine speciation, new production, regenerated production.

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contract: MAS2-CT92-0041 and MAS2-CT93-0066 MTP

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kw: oligotrophy, stratification; Transition Mediterranean Water (TMW) intrusion, seasonal variability.

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kw: demospongiae, systematics, southwestern Mediterranean.

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kw: deep-sea sediments, sapropel, oxidation, electrodes.

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kw: ³H-Leucine, oligotrophic, bacterial biomass

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kw: polypropionates, pyrones molluscs.

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kw: model, chlorophyll, physical-biological approach.

contract: MAS2-CT92-0041 and MAS2-CT93-0066 MTP

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kw: Cretan Arc Straits, biogeochemical processes.

contract: MAS2-CT93-0059 MTP

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contract: MAS2-CT93-0063 MTP

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contract: MAS2-CT93-0063 MTP

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contract: MAS2-CT93-0063 MTP

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kw: Cretan Arc Straits, SAR imagery, internal waves

contract: MAS2-CT93-0059 MTP

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kw: Adriatic Sea, dense water formation, non-hydrostatic model.

Contract: MAS2-CT93-0055 MTP

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kw: phytoplankton, rapid chemotaxonomy, pigments.

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kw: mesoscale ageostrophic motion, Alboran Sea.

contract: MAS2-CT92-0041 and MAS2-CT93-0066 MTP

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contract: MAS2-CT92-0041 and MAS2-CT93-0066 MTP

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contract: MAS2-CT92-0041 and MAS2-CT93-0066 MTP

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kw: oxygen, electrode, deep-sea sediments, redox.

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kw: Mediterranean Sea, Levantine intermediate water, deep water.

contract: MAS2-CT93-0055 MTP

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kw: Mediterranean Sea, general circulation, numerical model.

contract: MAS2-CT93-0055 MTP

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kw: biodegradability, particulate organic carbon.

contract: MAS2-CT94-0090 MTP

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kw: sediment traps, phytoplankton, zooplankton, Particulate Organic Carbon (POC) flux.

contract: MAS2-CT94-0092 MTP

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kw: Adriatic Sea, biogeochemistry, climatological characteristics.

contract: MAS2-CT93-0055 MTP

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contract: MAS2-CT93-0051

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kw: acylglycerols, ichthyotoxins, nudibranchs, marine molluscs.

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kw: sponge, diterpenoids.

contract: MAS2-CT91-0004

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kw: diterpenoid, octocoral, palmatol.

contract: MAS2-CT91-0004

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kw: dissolved organic carbon, bacteria, viruses.

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contract: MAS2-CT93-0063 MTP

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