

## BIBLIOGRAPHIE DYFAMED

### 2000

ALLEMAN, L.Y., B. HAMELIN, A.J. VERON, J.-C. MIQUEL & S. HEUSSNER, (2000). Lead sources and transfer in the coastal Mediterranean: evidence from stable lead isotopes in marine particles. *Deep Sea Research II* 47, 2257-2279.

ANDERSEN, V. and L. PRIEUR. (2000) One-month study in the open NW Mediterranean Sea (DYNAPROC experiment, May 1995). Overview of the hydrobiogeochemical structured and effects of wind events. *Deep-Sea Res. I* , 47, 397-422.

BELVISO S., CHRISTAKI U., VIDUSSI F., MARTY J.C., VILA REIG M. & DELGADO M., 2000. Diel variations of the DMSP-to-chlorophyll a ratio in Northwestern Mediterranean surface waters. *J. Mar. Sys.* , 25 : 119-128.

CLAUSTRE H., FELL F., OUBELKHEIR K., PRIEUR L., SCIANDRA A., GENTILLI B. & BABIN M., 2000. Continuous monitoring of surface optical properties across a geostrophic front : biogeochemical inferences. *Limnol. Oceanogr.*, 45, 2 : 309-321.

COPIN-MONTÉGUT, C. (2000). Consumption and production on scales of a few days of inorganic carbon, nitrate and oxygen by the planktonic community : results of continuous measurements at the Dyfamed Station in the northwestern Mediterranean Sea (May 1995). *Deep-Sea Res. I*, 47, 447-477.

DENIS, M., MARTIN, V. & V. ANDERSEN. 2000. Short-term variation of the vertical distribution of cyanobacteria in the open Mediterranean Sea. *Scientia Marina*, 64, 157-163

GOUTX, M., MOMZIKOFF, A., STRIBY, L., ANDERSEN V., MARTY, J.-C. & I. VESCOVALI. (2000). High frequency fluxes of labile compounds in the central Ligurian Sea, northwestern Mediterranean. *Deep-Sea Res. I*, 47, 533-556.

GORSKY, G., PICHERAL, M. et STEMMANN, L. (2000) Use of the Underwater Video Profiler for the Study of Aggregate Dynamics in the North Mediterranean. *Estuar.Coast.Shelf Sci.*, 50(1): 121-128.

MIGON, C., GENTILI, B. & JOURNEL, B. (2000) - Statistical analysis of the concentrations of 12 metals in the Ligurian atmospheric aerosol. *Oceanologica Acta*, 23, 37-45..

PÉREZ, M.T., DOLAN, J.R., VIDUSSI, F. and E. FUKAI (2000) Diel vertical distribution of planktonic ciliates within the surface layer of the NW Mediterranean (May 1995). *Deep-Sea Res. I* ,47, 479-503.

SEMPÉRE, R., YORO, S.C., F. VAN WAMBEKE & B. CHARRIERE, 2000. Microbial decomposition of large organic particles in the northwestern Mediterranean Sea: an experimental approach. *Mar. Ecol. Prog. Ser.*, 198 : 61-72.

STEMMANN, L., PICHERAL, M. and G. GORSKY (2000). Diel changes in the vertical distribution of suspended particulate matter in the NW Mediterranean Sea investigated with the Underwater Video Profiler. *Deep-Sea Res. I* , 47, 505-531.

VIDUSSI, F., MARTY, J.-C. and J. CHIAVÉRINI (2000). Short-term evolution of phytoplankton pigment distributions during the transition from spring bloom to oligotrophy in the Mediterranean Sea. *Deep-Sea Res. I*, 47, 423-445.

## 2001

ANDERSEN, V., NIVAL, P., CAPARROY, P. & A. GUBANOVA (2001a). Zooplankton community during the transition from spring bloom to oligotrophy in the open NW Mediterranean and effects of wind events. 1 - Abundance and specific composition. *J. Plankton Res.* 23 (1), 227-242.

ANDERSEN, V., GUBANOVA, A., NIVAL, P. & T. RUELLET (2001b). Zooplankton community during the transition from spring bloom to oligotrophy in the open NW Mediterranean and effects of wind events. 2 - Vertical distributions and migrations. *J. Plankton Res.* 23 (1). 243-261.

ARRAES-MESCOFF R., ROY-BARMAN M., COPPOLA L., SOUHAUT M., TACHIKAWA K. et JEANDEL C. (2001) The behavior of Al, Mn, Ba, Sr, REE and Th isotopes during in vitro degradation of large marine particles. *Mar. Chem.* 73, 1-19

SARTHOU G. et JEANDEL C. (2001), Seasonal variations of iron concentrations in the Ligurian Sea and iron budget in the western Mediterranean, *Marine Chemistry*, 74, 115-129.

BELVISO, S., H. CLAUSTRE, and J.-C. MARTY 2001. Evaluation of the utility of chemotaxonomic pigments as a surrogate for particulate DMSP. *Limnol. Oceanogr.* , 46 (4), 989-995.

FOUILLAND, E. , COURTIES, C., DESCOLAS-GROS, C., . 2001. Size-fractionated carboxylase activities during a 32h cycle at 30m depth in the northwestern Mediterranean Sea after an episodic wind event. *J. Plankton Res.*, 23, 623-632.

HOOD, E.M., and L.MERLIVAT. (2001) Annual to interannual variations of  $f\text{CO}_2$  in the northwestern Mediterranean Sea : high frequency time series data from CARIOCA buoys (1995-1997), *J.Mar.Res.*, 59,113-131

MIGON, C., SANDRONI, V. & BETHOUX, J.P. (2001) Atmospheric input of anthropogenic phosphorus to the northwest Mediterranean during oligotrophic conditions. *Marine Environmental Research*, 52, 413-426.

CHIFFLET, M., ANDERSEN, V., PRIEUR, L. and I. DEKEYSER. 2001. One-dimensional model of short term dynamics of the pelagic ecosystem in the NW Mediterranean Sea. Effects of wind events. *J. Mar. Systems*, 30, 89-114.

MARI X., BEAUVAIS S., LEMEE R. & PEDROTTI M.L. (2001). Non-Redfield C:N ratio of transparent exopolymeric particles in the northwestern Mediterranean Sea. *Limnology & Oceanography* 46 (7), 1831-1836.

VAN WAMBEKE, F., GOUTX, M., STRIBY, L., SEMPÉRÉ, R. & F. VIDUSSI. 2001. Bacterial dynamics during the transition from spring bloom to oligotrophy in the Northwestern Mediterranean Sea : relationships with particulate detritus and dissolved organic matter. *Mar. Ecol. Prog. Ser.* 212 : 89-105.

## 2002

MARTY, J.C., 2002. The DYFAMED time-series program (French-JGOFS). *Deep-Sea Res. II*, 49 (11), 1963-1964.

MARTY, J.C., CHIAVÉRINI, J., PIZAY, M.D., AVRIL, B., 2002. Seasonal and interannual dynamics of phytoplankton pigments in the Western Mediterranean sea at the DYFAMED time-series station (1991-1999). *Deep-Sea Res. II* 49 (11), 1965-1985.

CUNY, P., MARTY, J.C., CHIAVÉRINI, J., VESCOVALI, I., RAPHEL, D., RONTANI, J.F. 2002. One-year seasonal survey of the chlorophyll photodegradation process in the North western Mediterranean sea. *Deep-Sea Res. II* 49 (11), 1987-2005.

BÉTHOUX, J.P., MORIN, P., RUIZ-PINO, D.P., 2002. Temporal trends in nutrient ratios : chemical evidence of Mediterranean ecosystem changes driven by human activity. *Deep-Sea Res. II* 49 (11), 2007-2016.

MARTY, J.C., CHIAVÉRINI, J., 2002 Seasonal and interannual variations in phytoplankton production at DYFAMED time-series station, North-western Mediterranean sea. *Deep-Sea Res. II* 49 (11), 2017-2030.

BEGOVIC, M., COPIN-MONTÉGUT, C., 2002. Processes controlling annual variations in the partial pressure of  $\text{CO}_2$  in surface waters of the central northwestern Mediterranean Sea (Dyfamed site). *Deep-Sea Res. II* 49 (11), 2031-2047.

COPIN-MONTÉGUT, C., BEGOVIC, M., 2002. Distributions of carbonate properties and oxygen along the water column (0-2000 m) in the central part of the NW Mediterranean Sea (Dyfamed site): Influence of winter vertical mixing on air-sea CO<sub>2</sub> and O<sub>2</sub> exchanges. *Deep-Sea Res. II* 49 (11), 2049-2066.

MÉMERY, L., LÉVY, M., VÉRANT, S., MERLIVAT, L., 2002. The relevant time scales in estimating the air-sea CO<sub>2</sub> exchange in a mid latitude region. *Deep-Sea Res. II* 49 (11), 2067-2092.

TANAKA, T., RASSOULZADEGAN, F., 2002. Full-depth profile (0-2000 m) of bacteria, heterotrophic nanoflagellates and ciliates in the NW Mediterranean Sea : Vertical portioning of microbial trophic structures. *Deep-Sea Res. II* 49 (11), 2093-2107.

TAMBURINI, C., GARCIN, J., RAGOT, M., BIANCHI, A., 2002. Biopolymer hydrolysis and bacterial production under ambient pressure through a 2000 m water column in the NW Mediterranean. *Deep-Sea Res. II* 49 (11) 2109-2123.

MIGON, C., SANDRONI, V., MARTY, J.C., GASSER, B., MIQUEL, J.C., 2002. Transfer of atmospheric matter through the euphotic layer in the northwestern Mediterranean : seasonal pattern and driving forces. *Deep-Sea Res. II* 49 (11), 2125-2141.

STEMMANN, L., GORSKY, G., MARTY, J.C., PICHERAL, M., MIQUEL, J.C., 2002. Four year survey of large particles vertical distribution (0-1000 m) in the NW Mediterranean in relation to hydrology, phytoplankton, and vertical flux. *Deep-Sea Res. II* 49 (11), 2143-2162.

AVRIL, B., 2002. DOC dynamics in the northwestern Mediterranean Sea. *Deep-Sea Res. II* 49 (11), 2163-2182.

GUIDI-GUILVARD, L.D., 2002. DYFAMED-BENTHOS, a long time-series benthic survey at 2347 m depth in the northwestern Mediterranean: general introduction. *Deep-Sea Res. II* 49 (11), 2183-2193.

SANDRONI, V. & MIGON, C., 2002. Atmospheric deposition of metallic pollutants over the Ligurian Sea: labile and residual inputs. *Chemosphere*, 47, 753-764.

SCHMIDT, S., ANDERSEN, V., BELVISO, S., MARTY, J.C., 2002. Strong seasonality in particle dynamics of north-western Mediterranean surface waters as revealed by <sup>234</sup>Th/<sup>238</sup>U. *Deep-Sea Research I*, 49, 1507-1518.

GOFFART A, HECQ JH, LEGENDRE L., 2002. Changes in the development of the winter-spring phytoplankton bloom in the Bay of Calvi (NW Mediterranean) over the last two decades: a response to changing climate? *Marine Ecology Progress Series*. 236: 45-60

## 2003

DENIS, M., MARTIN, V., MOMZIKOFF, A., GONDRY, G., STEMMANN, L., DEMERS, S., GORSKY, G., ANDERSEN, V., 2002. 2003. Pulsed remineralisation in the northwestern Mediterranean Sea. *J. Mar. Systems*, 39, 19-41.

TANAKA T. and RASSOULZADEGAN F. 2003. Vertical distribution (0-2000 m) of pico- and nano-sized DAPI Yellow Particles (DYP) at DYFAMED time-series station, NW Mediterranean". *Oceanologica Acta*, 26, 209-213.

KARL D.M., BATES N., EMERSON S., HARRISSON P.J., JEANDEL C., LIU K.K., MARTY J.C., MICHAELS A.F., MIQUEL J.C., NEUER S., NOJIRI Y., WONG C.S., 2003. Temporal studies of biogeochemical processes determined from ocean time-series observation during the JGOFS era. In: *Ocean biogeochemistry. The role of the ocean carbon cycle in global change*, M.J.R. Fasham ed., Springer-verlag berlin heidelberg New York, 239-267.

TAMBURINI C., GARCIN J. & BIANCHI A. Role of deep-sea bacteria in organic matter mineralization and adaptation to hydrostatic pressure conditions in the NW Mediterranean Sea. *Aquatic Microbial Ecology* (accepted for publication).

RONTANI JF, KOBLIZEK M, BEKER B, BONIN P, KOLBER ZS., 2003. On the origin of cis-vaccenic acid photodegradation products in the marine environment. *Lipids*, 38(10):1085-92.

RIDAME C., T. MOUTIN AND C. GUIEU, 2003., Does phosphate adsorption onto Saharan dust explain the unusual N/P ratio in the Mediterranean Sea? *Oceanologica Acta*, 26(5-6), 443-693.

TOLOSA, I., LeBLOND, N., COPIN-MONTEGUT, C., MARTY, J.-C., de MORA, S.J., PRIEUR, L., 2003. Distribution of sterol and fatty alcohol biomarkers in particulate matter from the frontal structure of the Alboran Sea (S.W. Mediterranean Sea). *Mar. Chem.* 82 :161-183.

BEAUVAIS S., PEDROTTI M. L., VILLA E. & LEMEE R., 2003. Transparent exopolymer particle (TEP) dynamics in relation to trophic and hydrological conditions in the NW Mediterranean Sea. *Marine Ecology Progress Series* 262: 97-109.

LEMEE R., ROCHELLE-NEWALL E., VAN WAMBECKE F., PIZAY M.-D., RINALDI P. & GATTUSO J.-P., 2003. Seasonal variation of bacterial production, respiration and growth efficiency in the open NW Mediterranean Sea. *Aquatic Microbial Ecology* 29: 227-237.

TAMBURINI C., GARCIN J. & BIANCHI A. (2003). Role of deep-sea bacteria in organic matter mineralization and adaptation to hydrostatic pressure conditions in the NW Mediterranean Sea. *Aquatic Microbial Ecology*, 32 (3): 209-218.

## 2004

TANAKA T. AND RASSOULZADEGAN F., 2004. Vertical and seasonal variations of bacterial abundance and production in the mesopelagic layer of the NW Mediterranean Sea: bottom-up and top-down controls. *Deep Sea Res. I*, 51, 531-544.

DELHEZ E., LACROIX G., DELEERSNIJDER E., 2004. The age as a diagnostic of the dynamics of marine ecosystem models. *Ocean Dynamics*, 54 (2): 221-231.

FAUGERAS B., BERNARD O., SCIANDRA A., LEVY M., 2004. A mechanistic modelling and data assimilation approach to estimate the carbon/chlorophyll and carbon/nitrogen ratios in a coupled hydrodynamical-biological model. *Nonlinear Processes in Geophysics*, 11: 515-533

MARCHAND D., MARTY J.C., MIQUEL J.C., RONTANI J.F., Lipids and their degradation products as biomarkers for carbon cycling in the northwestern Mediterranean Sea: results from a sediment trap study. *Mar Chem.* (sous presse)

RAICK C., E.J.M. DELHEZ, K. SOETAERT AND M. GRÉGOIRE, Study of the seasonal cycle of the biogeochemical processes in the Ligurian Sea using a 1D interdisciplinary model. *Journal of Marine Systems.* (sous presse)

BONNET S., GUIEU C., CHIAVERINI J., RAS J., STOCK A. - Impact of atmospheric inputs on the autotrophic communities in a low nutrient low chlorophyll system. *Limnology and Oceanography.* (submitted).