

HERMES publications for the Mediterranean area

- Beuck, L., Freiwald, A., Taviani, M. (2009) Spatiotemporal bioerosion patterns in deep-water scleractinians from off Santa Maria di Leuca (Apulia, Ionian Sea). DSR II: doi:10.1016/j.dsr2.2009.08.019
- Bianchelli S., Gambi C., Pusceddu A. & Danovaro R. (2008) Trophic conditions and meiofaunal assemblages in the Bari Canyon and the adjacent open slope (Adriatic Sea) *Chemistry and Ecology* 24, No. S1, 101–109; doi:10.1080/02757540801963386
- Camerlenghi, A., Accettella, D., Costa, S., Lastras, G., Acosta, J., Canals, M., Wardell, N., 2008. Morphogenesis of the SW Balearic continental slope and adjacent abyssal plain, Western Mediterranean Sea. *International Journal of Earth Sciences*, doi: 10.1007/s00531-008-0354-8.
- Canals, M., Danovaro, R., Heussner, S., Lykousis, V., Puig, P., Trincardi, F., Calafat, A.M., Durrieu de Madron, X., Palanques, A., Sànchez-Vidal, A. (2009) Cascades in Mediterranean submarine grand canyons. *Oceanography*, 22(1): 26-43; [download PDF]
- Canals, M., Puig, P., Durrieu de Madron, X., Heussner, S., Palanques, A. & Fabres, J. (2006) Flushing submarine canyons. *Nature* 444, 354-357. doi: 10.1038/nature05271
- Carlier A, Le Guilloux E, Olu K, Sarrazin J, Mastrototaro F, Taviani M, Clavier J (2009) Trophic relationships in a deep Mediterranean cold-water coral bank (Santa Maria di Leuca, Ionian Sea) *Marine Ecology Progress Series* 397, 125-137; doi 10.3354/meps08361
- Danovaro, R., Gambi, C., Lampadariou, N. & Tselepides, A. (2008) Deep-sea biodiversity in the Mediterranean Basin: testing for longitudinal, bathymetric and energetic gradients. *Ecography* 31, 231-244; doi: 10.1111/j.2007.0906-7590.05484.x
- Dell'Anno, A., Corinaldesi, C., Stavrakakis, S., Lykousis, V. and Danovaro, R. (2005) Pelagic-Benthic Coupling and Diagenesis of Nucleic Acids in a Deep-Sea Continental Margin and an Open-Slope System of the Eastern Mediterranean. *Applied and Environmental Microbiology*, Vol 17 (10), 6070-6076. doi: 10.1126/science.1117475
- Dupré, S., Buffet, G., Mascle, J., Foucher, J.-P., Gauger, S., Boetius, A., Marfia, C., the AsterX AUV Team, the Quest ROV Team and the BIONIL Scientific Party (2008) High-resolution mapping of large gas emitting mud volcanoes on the Egyptian continental margin (Nile Deep Sea Fan) by AUV surveys. *Marine Geophysical Researches*, 29: 275-290. doi:10.1007/s11001-009-9063-3
- Freiwald A, Beuck L, Rüggeberg A, Taviani M, Hebbeln D, R/V Meteor Cruise M70-1 participants (2009) The White Coral Community in the Central Mediterranean Sea revealed by ROV surveys. *Oceanography* 22(1): 58-74. [Download PDF]
- Frigola, J., Moreno, A., Cacho, I., Canals, M., Sierro, F.J., Flores, J.A., Grimalt, J.O., Hodell D.A. and Curtis, J.H. (2007) Holocene climate variability in the Western Mediterranean region from a deep water sediment record. *Paleoceanography*, 22: PA2209, doi: 10.1029/2006PA001307.
- Frigola, J., Moreno, A., Cacho, I., Canals, M., Sierro, F.J., Flores, J.A. and Grimalt, J.O. (2007) Evidence of abrupt changes in Western Mediterranean Deep Water circulation during the last 50 ka: a high-resolution marine record from the Balearic Sea. *Quaternary International*, doi:10.1016/j.quaint.2007.06.016
- Gambi, C. and Danovaro, R. (2006) A multiple-scale analysis of metazoan meiofaunal distribution in the deep Mediterranean Sea. *Deep Sea Research I*, 53, 1117-1134. doi:10.1016/j.dsr.2006.05.003
- Khripounoff, A., Vangriesheim, A., Crassous, A. & Etoubleau, J. (2009) High frequency of sediment gravity flow events in the Var submarine canyon (Mediterranean Sea). *Marine Geology* 263 (2009) 1–6; doi 10.1016/j.margeo.2009.03.014

Lastras, G., Canals, M., Urgeles, R., Amblas, D., Ivanov, M., Droz, L., Dennielou, B., Fabr s, J., Schoolmeester, T., Akhmetzhanov, A., Orange, D. & Garc a-Garc a, A. (2007) A walk down the Cap de Creus canyon, Northwestern Mediterranean Sea: Recent processes inferred from morphology and sediment bedforms. *Marine Geology* (in press, 2007), doi:10.1016/j.margeo.2007.09.002

Lastras, G., Canals, M., Amblas, D., Frigola, J., Urgeles, R., Calafat, A.M., Acosta, J. (2007) Slope instability along the northeastern Iberian and Balearic continental margins. *Geologica Acta*, 5(1): 35-47. Available online

Lastras, G., Canals, M., Amblas, D., Ivanov, M., Dennielou, B., Droz, L., Akhmetzhanov, A., and TTR-14 Leg 3 Shipboard Scientific Party (2006) Eivissa Slides, western Mediterranean sea: morphology and processes. *Geo-Marine Letters*, 26(4): 225-233. doi: 10.1007/s00367-006-0032-4

Lopez Correa, M., Montagna, P., Vendrell-Simon, B., McCulloch, M. & Taviani, M. (2010) Stable isotopes (d18O and d13C), trace and minor element compositions of Recent scleractinians and Last Glacial bivalves at the Santa Maria di Leuca deep-water coral province, Ionian Sea. *Deep-Sea Research II* 57 (2010) 471–486; doi 10.1016/j.dsr2.2009.08.016

Magagnini, M., Corinaldesi, C., Monticelli, L.S., De Domenico, E. & Danovaro, R. (2007) Viral abundance and distribution in mesopelagic and bathypelagic waters of the Mediterranean Sea. *Deep Sea Research Part I* 54, 1209-1220. doi:10.1016/j.dsr.2007.05.006

Malinverno, E., Taviani, M., Rosso, A., Violanti, D., Villa, I., Savini, A., Vertino, A., Remia, A. & Corselli, C. (2010) Stratigraphic framework of the Apulian deep-water coral province, Ionian Sea. *Deep-Sea Research II* 57(2010) 345–359; doi: 10.1016/j.dsr2.2009.08.025

Mart n, J., Puig, P., Palanques, A., Masqu , P. & Garc a-Orellana, J. (2008) Effect of commercial trawling on the deep sedimentation in a Mediterranean submarine canyon. *Marine Geology* 252, 150–155; doi:10.1016/j.margeo.2008.03.012

Mastrototaro, F., D'Onghia, G., Corriero, G., Mataresse, A., Maiorano, P., Panetta, P., Gherardi, M., Longo, C., Rosso, A., Sciuto, F., Sanfilippo, R., Gravili, C., Boero, F., Taviani, M. & Tursi, A. (2010) Biodiversity of the white coral bank off Cape Santa Maria di Leuca (Mediterranean Sea): An update. *Deep-Sea Research II* 57 (2010) 412–430; doi:10.1016/j.dsr2.2009.08.021

Minisini D., Trincardi F., Asioli A., Canu M., Foglini F. (2007) Morphologic variability of exposed mass-transport deposits on the Eastern slope of Gela Basin (Sicily Channel). *Basin Research* 19, 217-240; doi: 10.1111/j.1365-2117.2007.00324.x

Montagna, P., Devoti, S., Antonioli, F., Mazzoli, C., McCulloch, M., Parlagreco, L., Scicchitano, G., Silenzi, S., Sparaini, F. & Taviani, M. (2008) Climate reconstructions and monitoring in the Mediterranean Sea: A review on some recently discovered high-resolution marine archives. *Rendiconti Lincei* 19, 121 – 140; DOI: 10.1007/s12210-008-0007-7

Orejas, C., Gori, A., Lo Iacono, C., Puig, P., Gili, J-M. & Dale, M.R.T. (2009) Cold-water corals in the Cap de Creus canyon, northwestern Mediterranean: spatial distribution, density and anthropogenic impact. *Marine Ecology Progress Series* 397, 37–51; doi: 10.3354/meps08314

Orejas C, Gori A, Lo Iacono C, Puig P, Gili JM, Dale MRT (2009) Cold-water corals in the Cap de Creus canyon (north-western Mediterranean): spatial distribution, density and anthropogenic impact. *Marine Ecology Progress Series* 397, 37-51. DOI:10.3354/meps08314

Orejas, C., Gori, O. & Gili, J.M. (2007) Growth rates of live *Lophelia pertusa* and *Madrepora oculata* from the Mediterranean Sea maintained in aquaria Coral Reefs, doi 10.1007/s00338-007-0350-7

Palanques, A., J. Guillén, P. Puig and X. Durrieu de Madron (2008) Storm-driven shelf-to-canyon sediment transport at the southwestern end of the Gulf of Lions. *Continental Shelf Research*. 28, 1947-1956. 2008; doi:10.1016/j.csr.2008.03.020

Polymenakou, P.N., Lampadariou, N., Mandalakis, M., Tselepides, A. (2009) Phylogenetic diversity of sediment bacteria from the southern Cretan margin. Eastern Mediterranean Sea. *Systematic and Applied Microbiology* 32: 17-26. doi:10.1016/j.syapm.2008.09.006

Polymenakou, P.N., Lampadariou, N. & Tselepides, A. (2008) Exo-enzymatic activities as indicators of benthic microbial hotspots in deep-sea canyon and slope systems off the Southern Cretan margin (Eastern Mediterranean Sea). *Deep-Sea Research Part I* 55 (10), 1318-1329; doi:10.1016/j.dsr.2008.05.010

Praeg, D., Ceramicola, S., Barbieri, R., Unnithan, V. & Wardell, N. (2009). Tectonically-driven mud volcanism since the late Pliocene on the Calabrian accretionary prism, central Mediterranean Sea. *Marine and Petroleum Geology*, 26, 1849–1865; doi:10.1016/j.marpetgeo.2009.03.008

Puig, P., A. Palanques, D.L. Orange, G. Lastras y M. Canals. (2008) Formación de surcos sedimentarios por cataratas submarinas en el interior del cañón de Cap de Creus. *Geo-Temas* 10, 2008. p. 571-574

Puig, P., Palanques, A., Orange, D.L., Lastras, G. and Canals, M. (2008) Dense shelf water cascades and sedimentary furrow formation in the Cap de Creus Canyon, northwestern Mediterranean Sea. *Continental Shelf Research*, 28: 2017– 2030, doi:10.1016/j.csr.2008.05.002.

Pusceddu, A., Gambi, C., Zeppilli, D., Bianchelli, S. & Danovaro, R. (2008) Organic matter composition, meiofauna and nematode biodiversity in deep-sea sediments surrounding two seamounts. *Deep-Sea Research II*, doi:10.1016/j.dsr2.2008.10.012

Rossi S, Tsounis G, Orejas C, Padrón T, Gili JM, Bramanti L, Teixido N, Gutt J (2008) Survey of deep-dwelling red coral (*Corallium rubrum*) populations at Cap de Creus (NW Mediterranean). *Marine Biology*; doi 10.1007/s00227-008-0947-6

Rosso, A., Vertino, A., Di Geronimo, I., Sanfilippo, R., Sciuto, F., Di Geronimo, R., Violanti, D., Carselli, C., Taviani, M., Mastrotorato, F. & Tursi, A. (2010) Hard- and soft-bottom thanatofacies from the Santa Maria di Leuca deep-water coral province, Mediterranean. *Deep-Sea Research II* 57 (2010) 360–379; doi:10.1016/j.dsr2.2009.08.024

Sanchez-Vidal, A., C. Pasqual, P. Kerhervé, A. Calafat, S. Heussner, A. Palanques, X. Durrieu de Madron, M. Canals, and P. Puig (2008) Impact of dense shelf water cascading on the transfer of organic matter to the deep western Mediterranean basin. *Geophysical Research Letters*, 35, L05605. doi:10.1029/2007GL032825.

Tesi, T., Langone, L., Goni, M.A., Turchetto, M., Miserocchi, S. & Boldrin, A. (2008) Source and composition of organic matter in the Bari canyon (Italy): dense water cascading vs particulate export from the upper ocean. *Deep-Sea Research I* 55, 813– 831, doi:10.1016/j.dsr.2008.03.007

Trincardi F., Verdicchio G. and Miserocchi S. (2007) Sea-floor evidence for the interaction between cascading and along-slope bottom-water masses. *Journal of Geophysical Research* 112, F03011; doi 10.1029/2006JF000620

Trincardi, F., Foglini, F., Verdicchio, G., Asioli, A., Correggiari A., Minisini, D., Piva, A., Remia, A., Ridente, D., Taviani, M. (2007) The impact of cascading currents on the Bari Canyon System, SW-Adriatic Margin (Central Mediterranean). *Marine Geology* 246, 208-230; doi:10.1016/j.margeo.2007.01.013)

Tsounis, G., Orejas, C., Reynaud, S., Gili, J.M., Allemand, D., Ferrier-Pagès, C. (2010) Capture rates by four Mediterranean deep corals. *Marine Ecology Progress Series* (accepted); doi: 10.3354/meps08312

Verdicchio G. & Trincardi F. (2008) Sequence stratigraphy of Late Quaternary slope deposits in the South Adriatic. In A. Amorosi, B.U. Haq and L. Sabato (eds.): advances in Application of Sequence Stratigraphy in Italy. GeoActa Special publication 1: 97-116.

Verdicchio, G. & Trincardi, F. (2006) Short-distance variability in slope bed-forms along the Southwestern Adriatic Margin (Central Mediterranean). Marine Geology 234, 271-292. doi:10.1016/j.margeo.2006.09.007

Verdicchio G. & Trincardi F. (2008) Mediterranean shelf-edge muddy contourites: example from Gela and South Adriatic Basins. Geo-Marine Letters, DOI 10.1007/s00367-007-0096-9.

Zuñiga, D., Calafat, A., Sanchez-Vidal, A. Canals, M., Price, B., Heussner, S. and Miserocchi, S. (2007) Particulate organic carbon budget in the open Algero-Balearic Basin (Western Mediterranean): Assessment from a one-year sediment trap experiment. Deep Sea Research Part I: Oceanographic Research Papers 54 (9), 1530-1548. doi:10.1016/j.dsr.2007.06.001

HERMIONE publications for the Mediterranean

Aguilar, R., López Correa, M., Calcinai, B., Pastor, X., de la Torriente, A., Garcia, S. (2011): First records of *Asbestopluma hypogea* Vacelet and Boury-Esnault, 1996 (Porifera, Demospongiae, Cladorhizidae) on seamounts and in bathyal settings of the Mediterranean Sea. Zootaxa 2925, 33-40

Amblas D, Gerber TP, Canals M, Pratson LF, Urgeles R, Lastras G, Calafat AM (2011) Transient erosion in the Valencia Trough turbidite systems, NW Mediterranean Basin. Geomorphology 130: 173-184

Amblas, D. G., T.P.; De Mol, B.; Urgeles, R.; Garcia-Castellanos, D.; Canals, M.; Pratson, L.F.; Robb, N.; Canning, Jason (2012;). "Survival of a submarine canyon during long-term outbuilding of a continental margin." Geology.

Angeletti, L., Ghirelli, M., Gualandi, B., Lipparini, E., Malatesta, D., Sperotti, A., Taviani, M., 2010. ROV-SCUBA integrated survey of the Montecristo Island Nature Reserve (Tuscan Archipelago National Park, Mediterranean Sea). International Journal of the Society for Underwater Technology 29 (3), 151-154.

Angeletti L, Taviani M (2011) Entrapment, preservation and incipient fossilization of benthic predatory molluscs within deep-water coral frames in the Mediterranean Sea. Geobios 44: 543-548

Berndt, C. C., Sergio; Canals, Miquel; Camerlenghi, Angelo; de Mol, Ben; Saunders, Martin (2012). Repeated slope failure linked to fluid migration: The Ana submarine landslide complex, Eivissa Channel, Western Mediterranean Sea. Earth and Planetary Science Letters 319, 320(0): 65-74.

Bo M, Bertolino M, Bavestrello G, Canese S, Giusti M, Angiolillo M, Pansini M, Taviani M (2011) Role of deep sponge grounds in the Mediterranean Sea: a case study in southern Italy. Hydrobiologia: 1-15 doi 10.1007/s10750-011-0964-1

Borda, E. K., Jerry D.; Bienhold, Christina; Rouse, Greg W. (2012). Towards a revised Amphinomidae (Annelida, Amphinomida): description and affinities of a new genus and species from the Nile Deep-sea Fan, Mediterranean Sea. Zoologica Scripta: no-no.

Brissac T, Rodrigues CF, Gros O, Duperron S (2010) Characterization of bacterial symbioses in *Myrtea* sp. (Bivalvia: Lucinidae) and *Thyasira* sp. (Bivalvia: Thyasiridae) from a cold seep in the Eastern Mediterranean. Marine Ecology 32: 198-210

Carlier, A., Le Guilloux, E., Olu, K., Sarrazin, J., Mastrototaro, F., Taviani, M., Clavier, J., 2009. Trophic relationships in a deep Mediterranean cold-water coral bank (Santa Maria di Leuca, Ionian Sea). Marine Ecology Progress Series 397, 125-137.

Cerrano, C., Danovaro, R., Gambi, C., Pusceddu, A., Riva, A., Schiaparelli, S., Gold coral (*Savalia savaglia*) and gorgonian forests enhance benthic biodiversity and ecosystem functioning in the mesophotic zone. *Biodiversity and Conservation* 19 (1), 153-167.

Costantini, F., Taviani, M., Remia, A., Pintus, E., Schembri, P.J., Abbiati, M., Deep-water *Corallium rubrum* (L., 1758) from the Mediterranean Sea: preliminary genetic characterisation. *Marine Ecology* 31 (2), 261-269.

Corinaldesi, C., Dell'Anno, A., Magagnini, M., Danovaro, R. (2010) Viral decay and viral production rates in continental-shelf and deep-sea sediments of the Mediterranean Sea. *FEMS Microbiology Ecology* 72 (2), 208-218.

López Correa, M., Montagna, P., Vendrell-Simón, B., McCulloch, M., Taviani, M., Stable isotopes ($\delta^{18}\text{O}$ and $\delta^{13}\text{C}$), trace and minor element compositions of recent scleractinians and last glacial bivalves at the Santa Maria di Leuca deep-water coral province, Ionian Sea. *Deep Sea Research Part II: Topical Studies in Oceanography* 57 (5-6), 471-486.

Danovaro, R., Company, J.B., Corinaldesi, C., D'Onghia, G., Galil, B., Gambi, C., Gooday, A.J., Lampadariou, N., Luna, G.M., Morigi, C., Olu, K., Polymenakou, P., Ramirez-Llodra, E., Sabbatini, A., Sardà, F., Sibuet, M., Tselepidis, A., Deep-Sea Biodiversity in the Mediterranean Sea: The Known, the Unknown, and the Unknowable. *PLoS ONE* 5 (8), e11832.

Duperron, S., De Beer, D., Zbinden, M., Boetius, A., Schipani, V., Kahil, N., Gaill, F., 2009. Molecular characterization of bacteria associated with the trophosome and the tube of *Lamellibrachia* sp., a siboglinid annelid from cold seeps in the eastern Mediterranean. *FEMS Microbiology Ecology* 69 (3), 395-409.

Fernandez-Arcaya, U. R., L.; Murua, H.; Ramirez-Llodra, E.; Rotllant, G.; Company, J. (2012). "Population structure and reproductive patterns of the NW Mediterranean deep-sea macrourid *Trachyrincus scabrus* (Rafinesque, 1810)." *Marine Biology*: 1-12.

Fink HG, Wienberg C, Hebbeln D, McGregor HV, Schmiedl G, Taviani M, Freiwald A (2012) Oxygen control on Holocene cold-water coral development in the eastern Mediterranean Sea. *Deep Sea Research Part I: Oceanographic Research Papers* 62: 89-96

Gambi, C., Lampadariou, N., Danovaro, R., Latitudinal, longitudinal and bathymetric patterns of abundance, biomass of metazoan meiofauna: importance of the rare taxa and anomalies in the deep Mediterranean Sea. *Advances in Oceanography and Limnology* 1 (1), 119 - 141.

Heimbürger L-E, Cossa D, Thibodeau B, Khripounoff A, Mas V, Chiffoleau J-F, Schmidt S, Migon C (2012) Natural and anthropogenic trace metals in sediments of the Ligurian Sea (Northwestern Mediterranean). *Chemical Geology* 291: 141-151

Hernández-Molina F, Serra N, Stow D, Llave E, Ercilla G, Van Rooij D (2011) Along-slope oceanographic processes and sedimentary products around the Iberian margin. *Geo-Marine Letters* 31: 315-341

Hilário A, Comas MC, Azevedo L, Pinheiro L, Ivanov MK, Cunha MR (2011) First record of a Vestimentifera (Polychaeta: Siboglinidae) from chemosynthetic habitats in the western Mediterranean Sea. Biogeographical implications and future exploration. *Deep Sea Research Part I: Oceanographic Research Papers* 58: 200-207

Koenig, S. and M. Solé (2012). "Natural variability of hepatic biomarkers in Mediterranean deep-sea organisms." *Marine Environmental Research* 79(0): 122-131.

Koenig, S., M. Solé, et al. (2013). "New insights into mercury bioaccumulation in deep-sea organisms from the NW Mediterranean and their human health implications." *Science of The Total Environment* 442(0): 329-335.

Lastras, G., Canals, M., Amblas, D., Lavoie, C., Church, I., De Mol, B., Duran, R., Calafat, A.M., Hughes-Clarke, J.E., Smith, C.J., Heussner, S. (2011) Understanding sediment dynamics of two large submarine valleys from seafloor data: Blanes and La Fonera canyons, northwestern Mediterranean Sea. *Marine Geology* 280, 20-39.

Luna, G. M. B., S.; Decembrini, F.; De Domenico, E.; Danovaro, R.; Dell'Anno, A. (2012). "The dark portion of the Mediterranean Sea is a bioreactor of organic matter cycling." *Global Biogeochem. Cycles* 26(2): GB2017.

Maier C, Watremez P, Taviani M, Weinbauer MG, Gattuso JP (2011) Calcification rates and the effect of ocean acidification on Mediterranean cold-water corals. *Proceedings of the Royal Society B: Biological Sciences*

Malinverno, E., Taviani, M., Rosso, A., Violanti, D., Villa, I., Savini, A., Vertino, A., Remia, A., Corselli, C., Stratigraphic framework of the Apulian deep-water coral province, Ionian Sea. *Deep Sea Research Part II: Topical Studies in Oceanography* 57 (5-6), 345-359.

Mastrototaro, F., D'Onghia, G., Corriero, G., Matarrese, A., Maiorano, P., Panetta, P., Gherardi, M., Longo, C., Rosso, A., Sciuto, F., Sanfilippo, R., Gravili, C., Boero, F., Taviani, M., Tursi, A., Biodiversity of the white coral bank off Cape Santa Maria di Leuca (Mediterranean Sea): An update. *Deep Sea Research Part II: Topical Studies in Oceanography* 57 (5-6), 412-430.

McCulloch, M., Taviani, M., Montagna, P., López Correa, M., Remia, A., Mortimer, G., Proliferation and demise of deep-sea corals in the Mediterranean during the Younger Dryas. *Earth and Planetary Science Letters* 298 (1-2), 143-152.

Moura, C. J. C., Marina R.; Porteiro, Filipe M.; Yesson, Chris; Rogers, Alex D. (2012). "Evolution of Nemertesia hydroids (Cnidaria: Hydrozoa, Plumulariidae) from the shallow and deep waters of the NE Atlantic and western Mediterranean." *Zoologica Scripta* 41(1): 79-96.

Moura, C. J. C., Marina R.; Porteiro, Filipe M.; Rogers, Alex D. (2012). "A molecular phylogenetic appraisal of the systematics of the Aglaopheniidae (Cnidaria: Hydrozoa, Leptothecata) from the north-east Atlantic and west Mediterranean." *Zoological Journal of the Linnean Society*: no-no.

Panieri, G. C., Angelo; Cacho, Isabel; Cervera, Cristina Sanchez; Canals, Miquel; Lafuerza, Sara; Herrera, Gemma (2012). "Tracing seafloor methane emissions with benthic foraminifera: Results from the Ana submarine landslide (Eivissa Channel, Western Mediterranean Sea)." *Marine Geology* 291, 294(0): 97-112.

Pasqual C, Lee C, Goñi M, Tesi T, Sanchez-Vidal A, Calafat A, Canals M, Heussner S (2011) Use of organic biomarkers to trace the transport of marine and terrigenous organic matter through the southwestern canyons of the Gulf of Lion. *Marine Chemistry* 126: 1-12

Pasqual, C., Sanchez-Vidal, A., Zuniga, D., Calafat, A., Canals, M., de Madron, X.D., Puig, P., Heussner, S., Palanques, A., Delsaut, N., Flux and composition of settling particles across the continental margin of the Gulf of Lion: the role of dense shelf water cascading. *Biogeosciences* 7 (1), 217-231.

Puig, P. C., Miquel; Company, Joan B.; Martin, Jacobo; Amblas, David; Lastras, Galderic; Palanques, Albert; Calafat, Antoni M. (2012). "Ploughing the deep sea floor." *Nature* 489, 286–289

Pusceddu, A., Mea, M., Gambi, C., Bianchelli, S., Canals, M., Sanchez-Vidal, A., Calafat, A., Heussner, S., De Madron, X.D., Avril, J.r., Thomsen, L., Garcia, R., Danovaro, R., Ecosystem effects of dense water formation on deep Mediterranean Sea ecosystems: an overview. *Advances in Oceanography and Limnology* 1 (1), 51 - 62.

Ribó M, Puig P, Palanques A, Lo Iacono C (2011) Dense shelf water cascades in the Cap de Creus and Palamos submarine canyons during winters 2007 and 2008. *Marine Geology* 284: 175-188

Ritt B, Pierre C, Gauthier O, Wenzhöfer F, Boetius A, Sarrazin J (2011) Diversity and distribution of cold-seep fauna associated with different geological and environmental settings at mud volcanoes and pockmarks of the Nile Deep-Sea Fan. *Marine Biology*: 1-24

Ritt, B., Sarrazin, J., Caprais, J.-C., Noël, P., Gauthier, O., Pierre, C., Henry, P., Desbruyères, D., First insights into the structure and environmental setting of cold-seep communities in the Marmara Sea. *Deep Sea Research Part I: Oceanographic Research Papers* 57 (9), 1120-1136.

Rodrigues CF, Duperron S, Gaudron S (2011c) First documented record of a living solemyid bivalve in a pockmark of the Nile Deep-sea Fan (eastern Mediterranean Sea). *Marine Biodiversity Records* 4

Salvadó, J. A. G., J.O.; López, J.F.; Palanques, A.; Heussner, S.; Pasqual, C.; Sanchez-Vidal A.; Canals, M. (2012). "Role of dense shelf water cascading in the transfer of organochlorine compounds to open marine waters." *Environmental Science and Technology* 46: 2624-2632.

Sanchez-Vidal A, Canals M, Calafat AM, Lastras G, Pedrosa-Pàmies R, Menéndez M, Medina R, Company JB, Hereu B, Romero J, Alcoverro T (2012) Impacts on the Deep-Sea Ecosystem by a Severe Coastal Storm. *PLoS ONE* 7: e30395

Sinniger, F., Zelnio, K.A., Taviani, M., Reimer, J.D., Presence of *Abyssoanthus* sp. (Anthozoa: Zoantharia) in the Mediterranean Sea: an indication of non-dependence of *Abyssoanthus* to chemosynthetic-based ecosystems? *Cahiers De Biologie Marine* 51 (4), 475-478.

Taviani, M., Vertino, A., López Correa, M., Savini, A., De Mol, B., Remia, A., Montagna, P., Angeletti, L., Zibrowius, H., Alves, T., Salomidi, M., Ritt, B., Henry, P., 2010. Pleistocene to recent scleractinian deep-water corals and coral facies in the eastern Mediterranean. *Facies*.

Taviani, M., Angeletti, L., Dimech, M., Mifsud, C., Freiwald, A., Harasewych, M.G., Oliverio, M., 2009. *Coralliophilinae* (Gastropoda: Muricidae) associated with deep-water coral banks in the Mediterranean. *Nautilus* 123 (3), 106-112.

Taviani, M. A., L.; Campiani, E.; Ceregato, A.; Foglini, F.; Maselli, V.; Morsilli, M.; Parise, M.; Trincardi, F. (2012). "Drowned karst landscape offshore the Apulian Margin (Southern Adriatic Sea, Italy). ." *Journal of Cave and Karst Studies* 74(2).

Tecchio, S. R.-L. E. S., F.; Company JB; Palomera I; Mechó A; Pedrosa-Pàmies, Rut; Sanchez-Vidal A (2011). "Drivers of deep Mediterranean megabenthos communities along longitudinal and bathymetric gradients." *Marine Ecology Progress Series* 439: 181-192.

Zeppilli D, Mea M, Corinaldesi C, Danovaro R (2011) Mud volcanoes in the Mediterranean Sea are hot spots of exclusive meiobenthic species. *Progress in Oceanography* In Press, Corrected Proof

Zeppilli, D. C., Miquel; Danovaro, Roberto (2011). "Pockmarks enhance deep-sea benthic biodiversity: a case study in the western Mediterranean Sea." *Diversity and Distributions* 18:832–846.