

ISSN 1742-7614 (online)

Marine Pollution Research Titles

Vol. 37 No. 11 November 2010

Marine Pollution Research Titles

CONTENTS

General	1
Petroleum Hydrocarbons	6
Metals	9
Radioactivity	14
Other Chemicals	15
Biological Wastes	22
Heat	24
Solids	25
Physical Disturbance	27
Non-indigenous Species	29

Please note that this publication is for users within your institution only and should not be made available to anyone outside the authorised site. Anyone interested in subscribing to Marine Pollution Research Titles can visit our web pages for more information or contact us at the address on page IV.

Subscription

Volume 37: January - December 2010:
£120 Available online

Marine Pollution Research Titles

This current awareness publication includes references to the approximately 2,500 papers on marine and estuarine pollution indexed each year. It is divided into the following sections:

Section 1 : General

General discussions on marine and estuarine pollution ; remote sensing, pollution indicators, and monitoring systems; mathematical models, experimental methods and equipment and general chemical analysis. Aspects relating to a particular group of pollutants are included under that section, and if necessary the item is repeated in several sections.

Section 2 : Petroleum Hydrocarbons

Includes the detection, analysis and levels in the marine and estuarine environment; effects; oil characteristics; oil removal, including the use of dispersants, biodegradation etc.

Section 3 : Metals

Includes the detection, analysis, modelling, levels, effects and removal, etc.

Section 4 : Radioactivity

Includes the detection, analysis, modelling, levels, effects and removal, etc.

Section 5 : Other Chemicals

Includes the detection, analysis, modelling, levels, effects and removal, etc. Pollutants include pesticides, PCBs, halogenated hydrocarbons, phthalates etc.

Section 6 : Biological Wastes

Includes the detection, analysis, modelling, levels, effects and removal, etc. Pollutants include sewage, pulp and paper, and food processing

Section 7 : Heat

Includes the detection, analysis, modelling, and effects etc.

Section 8 : Solids

Includes the detection, analysis, modelling, and effects etc. Pollutants include dredging wastes, plastics, china clay, mining effluents etc.

Section 9 : Physical Disturbance

Includes the detection, analysis, modelling, effects and recovery, etc

Section 10: Non-indigenous Species

Includes records, environmental impact etc.

Marine Pollution Information Centre

Scope

The Centre collects documents and provides information services in the field of marine and estuarine pollution, including the detection, analysis and removal of pollutants; levels of pollutants in seawater, sediments and organisms; and the biological effects of pollutants. Legal, economic and social aspects are generally excluded. The Centre now contains approximately 78,000 documents.

Services

The Centre provides a number of services to its users:

Abstracting and Indexing

Monitoring of the marine pollution literature and preparation of records for input to the *Aquatic Sciences and Fisheries Abstracts* bibliographic database.

Contracts

Literature searches and bibliographies are carried out on behalf of customers. Previous customers have included United Nations agencies such as FAO, IMO, IOC and WHO; commercial organizations, consultants and water authorities.

Enquiries

Enquiries are welcomed from scientists, technologists and administrators working on marine pollution problems. For simple enquiries there are no charges.

Reference Collection

The majority of the documents at the Centre are always available for reference, and visitors are very welcome to use the services of the staff, and to browse through the collection.

Further Information

National Marine Biological Library
Marine Biological Association
Citadel Hill Laboratory
Plymouth PL1 2PB,
Devon,
United Kingdom.

Telephone: 01752 633266
Fax: 01752 633102
Email nmbi@mba.ac.uk
Web <http://www.mba.ac.uk/nmbi/>

Section 1: General

- (3431) ADJEROUD, M.; FERNANDEZ, J.M.; CARROLL, A.G.; HARRISON, P.L.; PENIN, L. Spatial patterns and recruitment processes of coral assemblages among contrasting environmental conditions in the southwestern lagoon of New Caledonia. *Marine Pollution Bulletin*, 61(7-12), 375-386, 2010. [Water quality; nutrients; turbidity; Co; Cr; Fe; Mn; Ni; Zn]
- (3432) ASHA, P.S.; JOSHI, K.K.; DIWAKAR, K. Incidence of fish mortality in Tuticorin Bay, Gulf of Mannar. *Journal of the Marine Biological Association of India*, 51(2), 173-177, 2009.
- (3433) BARIA, M.V.B.; GUEST, J.R.; EDWARDS, A.J.; ALINO, P.M.; HEYWARD, A.J.; GOMEZ, E.D. Caging enhances post-settlement survival of juveniles of the scleractinian coral *Acropora tenuis*. *Journal of Experimental Marine Biology and Ecology*, 394(1/2), 149-153, 2010. [Reef rehabilitation]
- (3434) BERKMAN, P.A. Biodiversity stewardship in international spaces. *Systematics and Biodiversity*, 8(3), 311-320, 2010. [Antarctica]
- (3435) BERTOCCI, I.; ARENAS, F.; MATIAS, M.; VASELLI, S.; ARAUJO, R.; ABREU, H.; PEREIRA, R.; VIEIRA, R.; SOUSA-PINTO, I. Canopy-forming species mediate the effects of disturbance on macroalgal assemblages on Portuguese rocky shores. *Marine Ecology Progress Series*, 414, 107-116, 2010. [Multiple stressors]
- (3436) BLAKE, R.E.; DUFFY, J.E. Grazer diversity affects resistance to multiple stressors in an experimental seagrass ecosystem. *Oikos*, 119(10), 1625-1635, 2010. [Temperature stress; freshwater inputs]
- (3437) BRUNO, A.; BRUNO, L.; CHIAPPETTA, A.; GIANNINO, D.; BITONTI, M.B. PoCHL P expression pattern in *Posidonia oceanica* is related to critical light conditions. *Marine Ecology Progress Series*, 415, 61-71, 2010. [Light availability; turbidity]
- (3438) CARUSO, G.; LEONARDI, M.; MONTICELLI, L.S.; DECEMBRINI, F.; AZZARO, F.; CRISAFI, E.; ZAPPALA, G.; BERGAMASCO, A.; VIZZINI, S. Assessment of the ecological status of transitional waters in Sicily (Italy): first characterisation and classification according to a multiparametric approach. *Marine Pollution Bulletin*, 60(10), 1682-1690, 2010.
- (3439) CHABANET, P.; GUILLEMOT, N.; KULBICKI, M.; VIGLIOLA, L.; SARRAMEGNA, S. Baseline study of the spatio-temporal patterns of reef fish assemblages prior to a major mining project in New Caledonia (South Pacific). *Marine Pollution Bulletin*, 61(7-12), 598-611, 2010. [Nickel mining; dredging; sediment runoff]
- (3440) CHEBBI, N.; MASTROTOTARO, F.; MISSAOUI, H. Spatial distribution of ascidians in two Tunisian lagoons of the Mediterranean Sea. *Cahiers de Biologie Marine*, 51(2), 117-127, 2010. [Environmental degradation]
- (3441) CHUST, G.; GRANDE, M.; GALPARSORO, I.; URIARTE, A.; BORJA, A. Capabilities of the bathymetric Hawk Eye LiDAR for coastal habitat mapping: a case study within a Basque estuary. *Estuarine, Coastal and Shelf Science*, 89(3), 200-213, 2010.
- (3442) COOPER, S.; GAISER, E.; WACHNICKA, A. Estuarine paleoenvironmental reconstructions using diatoms. In: Smol, J.P.; Stoermer, E.F., (editors). *The diatoms. Applications for the environmental and earth sciences*. 2nd edition. p.324-345. Cambridge University Press, 2010. [Eutrophication; nutrient enrichment; storm disturbance; sea level rise]
- (3443) DAVID, G.; LEOPOLD, M.; DUMAS, P.S.; FERRARIS, J.; HERRENSCHMIDT, J.B.; FONTENELLE, G. Integrated coastal zone management perspectives to ensure the sustainability of coral reefs in New Caledonia. *Marine Pollution Bulletin*, 61(7-12), 323-334, 2010. [Nickel mining; fisheries; eutrophication]

- (3444) DIAZ-JARAMILLO, M.; FERREIRA, J.L.; AMADO, L.L.; VENTURA-LIMA, J.; MARTINS, A.; RETAMAL, M.R.; URRUTIA, R.; BERTRAN, C.; BARRA, R.; MONSERRAT, J.M. Biomonitoring of antioxidant and oxidative stress responses in *Perinereis gualpensis* (Polychaeta: Nereididae) in Chilean estuarine regions under different anthropogenic pressure. *Ecotoxicology and Environmental Safety*, 73(4), 515-523, 2010.
- (3445) DIEZ, I.; SANTOLARIA, A.; GOROSTIAGA, J.M. Different levels of macroalgal sampling resolution for pollution assessment. *Marine Pollution Bulletin*, 60(10), 1779-1789, 2010. [Pollution gradients]
- (3446) DUDGEON, S.R.; ARONSON, R.B.; BRUNO, J.F.; PRECHT, W.F. Phase shifts and stable states on coral reefs. *Marine Ecology Progress Series*, 413, 201-216, 2010. [Degradation; restoration]
- (3447) DUPONT, J.M.; HALLOCK, P.; JAAP, W.C. Ecological impacts of the 2005 red tide on artificial reef epibenthic macroinvertebrate and fish communities in the eastern Gulf of Mexico. *Marine Ecology Progress Series*, 415, 189-200, 2010. [Disturbance recovery; HAB]
- (3448) FAIRWEATHER, P.G.; LESTER, R.E. Predicting future ecological degradation based on modelled thresholds. *Marine Ecology Progress Series*, 413, 291-304, 2010. [Water quality]
- (3449) FAURE, V.; PINAZO, C.; TORRETON, J.-P.; DOUILLET, P. Modelling the spatial and temporal variability of the SW lagoon of New Caledonia II: realistic 3D simulations compared with in situ data. *Marine Pollution Bulletin*, 61(7-12), 480-502, 2010.
- (3450) FOLEY, N.S.; VAN RENSBURG, T.M.; ARMSTRONG, C.W. The ecological and economic value of cold-water coral ecosystems. *Ocean and Coastal Management*, 53(7), 313-326, 2010. [Review; including anthropogenic disturbances; trawling]
- (3451) FOSTER, M.S.; SCHIEL, D.R. Loss of predators and the collapse of southern California kelp forests (?): alternatives, explanations and generalizations. *Journal of Experimental Marine Biology and Ecology*, 393(1/2), 59-70, 2010. [Water quality; sewage; sedimentation]
- (3452) GALLAGHER, A. The coastal sustainability standard: a management systems approach to ICZM. *Ocean and Coastal Management*, 53(7), 336-349, 2010. [UK; Exe Estuary Management Partnership (EEMP); Tamar Estuaries Consultative Forum (TECF)]
- (3453) GARMENDIA, L.; SOTO, M.; CAJARAVILLE, M.P.; MARIOGOMEZ, I. Seasonality in cell and tissue-level biomarkers in *Mytilus galloprovincialis*: relevance for long-term pollution monitoring. *Aquatic Biology*, 9(3), 203-219, 2010. [Baseline study]
- (3454) GODET, L.; LE MAO, P.; GRANT, C.; OLIVIER, F. Marine invertebrate fauna of the Chausey archipelago: an annotated checklist of historical data from 1828 to 2008. *Cahiers de Biologie Marine*, 51(2), 147-165, 2010. [Normand-Breton Gulf]
- (3455) GREN, I.-M. Resilience value of constructed coastal wetlands for combating eutrophication. *Ocean and Coastal Management*, 53(7), 358-365, 2010. [Baltic Sea; nutrient loads]
- (3456) GRENZ, C.; LE BORGNE, R., (EDITORS). New Caledonia tropical lagoons: an overview of multidisciplinary investigations. *Marine Pollution Bulletin*, 61(7-12), 267-620, 2010.
- (3457) HALL, A.J.; GULLAND, F.M.D.; HAMMOND, J.A.; SCHWACKE, L.H. Epidemiology, disease, and health assessment. In: Boyd, I.L.; Bowen, W.D.; Iverson, S.J., (editors). *Marine mammal ecology and conservation. A handbook of techniques.* p.144-164. Oxford University Press, 2010. [PCBs]
- (3458) HASELMAIR, A.; STACHOWITSCH, M.; ZUSCHIN, M.; RIEDEL, B. Behaviour and mortality of benthic crustaceans in response to experimentally induced hypoxia and anoxia in situ. *Marine Ecology Progress Series*, 414, 195-208, 2010. [Eutrophication; hydrogen sulphide]

- (3459) HEWITT, J.E.; THRUSH, S.F. Empirical evidence of an approaching alternate state produced by intrinsic community dynamics, climatic variability and management actions. *Marine Ecology Progress Series*, 413, 267-276, 2010. [Sewage disposal; nutrients; climate change]
- (3460) IRVING, A.D.; TANNER, J.E.; SEDDON, S.; MILLER, D.; COLLINGS, G.J.; WEAR, R.J.; HOARE, S.L.; THEIL, M.J. Testing alternate ecological approaches to seagrass rehabilitation: links to life-history traits. *Journal of Applied Ecology*, 47(5), 1119-1127, 2010.
- (3461) JOHANSSON, C.L.; BELLWOOD, D.R.; DEPCZYNSKI, M. Sea urchins, macroalgae and coral reef decline: a functional evaluation of an intact reef system, Ningaloo, Western Australia. *Marine Ecology Progress Series*, 414, 65-74, 2010.
- (3462) LAPENA, B.P.; WIJNBERG, K.M.; HULSCHER, S.J.M.H.; STEIN, A. Environmental impact assessment of offshore wind farms: a simulation-based approach. *Journal of Applied Ecology*, 47(5), 1110-1118, 2010. [Dutch North Sea Continental Shelf]
- (3463) LE BORGNE, R.; DOUILLET, P.; FICHEZ, R.; TORRETON, J.-P. Hydrography and plankton temporal variabilities at different time scales in the southwest lagoon of New Caledonia: a review. *Marine Pollution Bulletin*, 61(7-12), 297-308, 2010.
- (3464) LIMA, E.; LEGEY, L.F.L. Water quality restoration in Rio de Janeiro: from a piecemeal to a systems approach. *Journal of Environment and Development*, 19(3), 375-396, 2010.
- (3465) LLORET, J. Human health benefits supplied by Mediterranean marine biodiversity. *Marine Pollution Bulletin*, 60(10), 1640-1646, 2010. [Review; seafood; marine drugs; anthropogenic threats]
- (3466) LOGAN, B.; TAFFS, K.H.; CUNNINGHAM, L. Applying paleolimnological techniques in estuaries: a cautionary case study from Moreton Bay, Australia. *Marine and Freshwater Research*, 61(9), 1039-1047, 2010. [Assessment of past environmental change]
- (3467) LUNDQUIST, C.J.; THRUSH, S.F.; COCO, G.; HEWITT, J.E. Interactions between disturbance and dispersal reduce persistence thresholds in a benthic community. *Marine Ecology Progress Series*, 413, 217-228, 2010.
- (3468) LYONS, B.P.; THAIN, J.E.; STENTIFORD, G.D.; HYLLAND, K.; DAVIES, I.M.; VETHAAK, A.D. Using biological effects tools to define Good Environmental Status under the European Union Marine Strategy Framework Directive. *Marine Pollution Bulletin*, 60(10), 1647-1651, 2010.
- (3469) MACLEAN, I.M.D.; CRANSWICK, P.A.; FAIRNEY, N.P.; SMITH, L.E.; HALL, C.; MUSGROVE, A.J.; HAYCOCK, B.; SANDERSON, B.G.; WHITEHEAD, S.; REHFISCH, M.M. Ground and aerial monitoring of common scoters in Carmarthen Bay 2007-2008. 28p. Bangor: Countryside Council for Wales, 2008. (BTO Research Report No.500; CCW Marine Monitoring Report No.64)
- (3470) NORKKO, J.; NORKKO, A.; THRUSH, S.F.; VALANKO, S.; SUURKUUKKA, H. Conditional responses to increasing scales of disturbance, and potential implications for threshold dynamics in soft-sediment communities. *Marine Ecology Progress Series*, 413, 253-266, 2010. [Hypoxia; recovery patterns]
- (3471) OLIVEIRA, M.; MARIA, V.L.; AHMAD, I.; PACHECO, M.; SANTOS, M.A. Seasonal *Liza aurata* tissue-specific DNA integrity in a multi-contaminated coastal lagoon (Ria de Aveiro, Portugal). *Marine Pollution Bulletin*, 60(10), 1755-1761, 2010.
- (3472) OSMAN, R.W.; MUNGUIA, P.; ZAJAC, R.N. Ecological thresholds in marine communities: theory, experiments and management. *Marine Ecology Progress Series*, 413, 185-187, 2010.

- (3473) OWESON, C.; LI, C.; SODERHALL, I.; HERNROTH, B. Effects of manganese and hypoxia on coelomocyte renewal in the echinoderm, *Asterias rubens* (L.). *Aquatic Toxicology*, 100(1), 84-90, 2010. [Mn]
- (3474) PENA, V.; BARBARA, I. Seasonal patterns in the maerl community of shallow European Atlantic beds and their use as a baseline for monitoring studies. *European Journal of Phycology*, 45(3), 327-342, 2010.
- (3475) PIAZZA, B.P.; LA PEYRE, M.K. Using *Gambusia affinis* growth and condition to assess estuarine habitat quality: a comparison of indices. *Marine Ecology Progress Series*, 412, 231-245, 2010.
- (3476) PILLAY, D.; BRANCH, G.M.; GRIFFITHS, C.L.; WILLIAMS, C.; PRINSLOO, A. Ecosystem change in a South African marine reserve (1960-2009): role of seagrass loss and anthropogenic disturbance. *Marine Ecology Progress Series*, 415, 35-48, 2010. [Dredging; eutrophication; trampling; bait collecting; habitat loss]
- (3477) RAJALAKSHMI, S.; KRISHNAMOORTHY, G.; DEEPA, P.V. Seasonal variations of abiotic factors in Sodalaiपुरi Estuary, Puducherry, India. *Nature, Environment and Pollution Technology*, 9(2), 223-228, 2010.
- (3478) ROBERTS, R.J.; AGIUS, C.; SALIBA, C.; BOSSIER, P.; SUNG, Y.Y. Heat shock proteins (chaperones) in fish and shellfish and their potential role in relation to fish health: a review. *Journal of Fish Diseases*, 33(10), 789-801, 2010. [Stress proteins]
- (3479) SACO-ALVAREZ, L.; DURAN, I.; LORENZO, J.I.; BEIRAS, R. Methodological basis for the optimization of a marine sea-urchin embryo test (SET) for the ecological assessment of coastal water quality. *Ecotoxicology and Environmental Safety*, 73(4), 491-499, 2010. [Cd; Cu; Hg; Pb]
- (3480) SHEN, Y.-C.; CHEN, W.-X.; ZHU, C.-H.; YE, N.; XIE, E.-Y.; LIANG, F.-L.; DU, X.-D.; WU, Z.-H. The technology research on optimal culture structure and ecological environment bioremediation of Liusha Bay. [In Chinese with English summary]. *Journal of Fisheries of China*, 34(7), 1051-1061, 2010. [Water quality]
- (3481) SHUMCHENIA, E.J.; KING, J.W. Comparison of methods for integrating biological and physical data for marine habitat mapping and classification. *Continental Shelf Research*, 30(16), 1717-1729, 2010.
- (3482) SONANEZ-ORGANIS, J.G.; RACOTTA, I.S.; YEPIZ-PLASCENCIA, G. Silencing of the hypoxia inducible factor 1 -HIF-1- obliterates the effects of hypoxia on glucose and lactate concentrations in a tissue-specific manner in the shrimp *Litopenaeus vannamei*. *Journal of Experimental Marine Biology and Ecology*, 393(1/2), 51-58, 2010.
- (3483) STELZENMULLER, V.; LEE, J.; GARNACHO, E.; ROGERS, S.I. Assessment of a Bayesian Belief Network-GIS framework as a practical tool to support marine planning. *Marine Pollution Bulletin*, 60(10), 1743-1754, 2010.
- (3484) STEWART, S.C.; DICK, J.T.A.; LAMING, P.R.; GERHARDT, A. Assessment of the multispecies freshwater biomonitor (MFB) in a marine context: the green crab (*Carcinus maenas*) as an early warning indicator. *Journal of Environmental Monitoring*, 12(8), 1566-1574, 2010. [Ammonia]
- (3485) SUTHERLAND, W.J., (ET AL). The identification of priority policy options for UK nature conservation. *Journal of Applied Ecology*, 47(5), 955-965, 2010. [Review]
- (3486) TEAL, L.R.; PARKER, E.R.; SOLAN, M. Sediment mixed layer as a proxy for benthic ecosystem process and function. *Marine Ecology Progress Series*, 414, 27-40, 2010. [Oyster Ground; Dogger Bank]

- (3487) TORRETON, J.-P.; ROCHELLE-NEWALL, E.; PRINGAULT, O.; JACQUET, S.; FAURE, V.; BRIAND, E. Variability of primary and bacterial production in a coral reef lagoon (New Caledonia). *Marine Pollution Bulletin*, 61(7-12), 335-348, 2010. [Pristine site compared with bay subject to urban impacts: nutrients]
- (3488) TROBAJO, R.; SULLIVAN, M.J. Applied diatom studies in estuaries and shallow coastal environments. In: Smol, J.P.; Stoermer, E.F., (editors). *The diatoms. Applications for the environmental and earth sciences*. 2nd edition. p.309-323. Cambridge University Press, 2010. [Eutrophication; nutrients; pollution]
- (3489) TUAN, V.S.; PERNETTA, J. The UNEP/GEF South China Sea Project: lessons learnt in regional cooperation. *Ocean and Coastal Management*, 53(9), 589-596, 2010. [Loss and degradation of coastal habitats; over-exploitation of fisheries; land-based pollution]
- (3490) TYNE, J.A.; LONERAGAN, N.R.; KRUTZEN, M.; ALLEN, S.J.; BEJDER, L. An integrated data management and video system for sampling aquatic benthos. *Marine and Freshwater Research*, 61(9), 1023-1028, 2010.
- (3491) UKWE, C.N.; IBE, C.A. A regional collaborative approach in transboundary pollution management in the guinea current region of western Africa. *Ocean and Coastal Management*, 53(9), 493-506, 2010. [Review; domestic sewage; DDTs; PCB; oil and gas production; industrial pollution; agricultural pollution]
- (3492) WESLAWSKI, J.M.; URBANSKI, J.; KRYLA-STASZEWSKA, L.; ANDRULEWICZ, E.; LINKOWSKI, T.; KUZEBSKI, E.; MEISSNER, W.; OTREMBA, Z.; PIWOWARCZYK, J. The different uses of sea space in Polish Marine Areas: is conflict inevitable? *Oceanologia*, 52(3), 513-530, 2010. [Fishing exploitation; sand and gravel extraction; gas extraction; recreation; navigation routes]
- (3493) WONG, K.L.C.; O'SHEA, S. Sediment macrobenthos off eastern Waiheke Island, Hauraki Gulf, New Zealand. *New Zealand Journal of Marine and Freshwater Research*, 44(3), 149-165, 2010.
- (3494) WWT CONSULTING. Ground-based monitoring of common scoters in Carmarthen Bay 2008-2009. [13p.]. Bangor: Countryside Council for Wales, 2009. (CCW Marine Monitoring Report No.83)

Section 2: Petroleum Hydrocarbons

- (3495) ANDERSON B.S.; PHILLIPS, B.M.; HUNT, J.W.; CLARK, S.L.; VOORHEES, J.P.; TJEERDEMA, R.S.; CASTELINE, J.; STEWART, M.; CRANE, D.; MEKEBRI, A. Evaluation of methods to determine causes of sediment toxicity in San Diego Bay, California, USA. *Ecotoxicology and Environmental Safety*, 73(4), 534-540, 2010. [Cu; bifenthrin; cyfluthrin; cypermethrin; L-cyhalothrin; permethrin; chlordane; oxadiazon; DDT; endosulfan; methoxychlor; PAH; PCB]
- (3496) BOYD, J.W. How do you put a price on marine oil pollution damages? *Resources*, (175), 21-23, 2010.
- (3497) BROWNE, E.; KELLEY, M.; ZHOU, G.-D.; HE, L.Y.; MCDONALD, T.; WANG, S.; DUNCAN, B.; MEADOR, J.; DONNELLY, K.; GALLAGHER, E. In situ biomonitoring of juvenile Chinook salmon (*Onchorhynchus tshawytscha*) using biomarkers of chemical exposures and effects in a partially remediated urbanized waterway of the Puget Sound, WA. *Environmental Research*, 110(7), 675-683, 2010. [PAHs; PCBs]
- (3498) CAMILLI, R.; REDDY, C.M.; YOERGER, D.R.; VAN MOOY, B.A.S.; JAKUBA, M.V.; KINSEY, J.C.; MCINTYRE, C.P.; SYLVA, S.P.; MALONEY, J.V. Tracking hydrocarbon plume transport and biodegradation at deepwater horizon. *Science*, 330(6001), 201-204, 2010. [Gulf of Mexico]
- (3499) CHRISTENSEN, J.H.; TOMASI, G.; SCOFIELD, A. DE L.; MENICONI, M. DE F.G. A novel approach for characterization of polycyclic aromatic hydrocarbon (PAH) pollution patterns in sediments from Guanabara Bay, Rio de Janeiro, Brazil. *Environmental Pollution*, 158(10), 3290-3297, 2010.
- (3500) COSTA, P.M.; CHICANO-GALVEZ, E.; BAREA, J.L.; DELVALLS, T.A.; COSTA, M.H. Alterations to proteome and tissue recovery responses in fish liver caused by a short-term combination treatment with cadmium and benzo[a]pyrene. *Environmental Pollution*, 158(10), 3338-3346, 2010. [Cd; PAH]
- (3501) EEK, E.; CORNELISSEN, G.; BREEDVELD, G.D. Field measurement of diffusional mass transfer of HOCs at the sediment-water interface. *Environmental Science and Technology*, 44(17), 6752-6759, 2010. [PAHs; PCBs; pyrene; PCB-52; capping]
- (3502) ELORDUI-ZAPATARIETXE, S.; ROSELL-MELE, A.; MORALEDA, N.; TOLOSA, I.; ALBAIGES, J. Phase distribution of hydrocarbons in the water column after a pelagic deep ocean oil spill. *Marine Pollution Bulletin*, 60(10), 1667-1673, 2010. [PAHs; Prestige]
- (3503) FERREIRA, M.; CAETANO, M.; ANTUNES, P.; COSTA, J.; GIL, O.; BANDARRA, N.; POUSAO-FERREIRA, P.; VALE, C.; REIS-HENRIQUES, M.A. Assessment of contaminants and biomarkers of exposure in wild and farmed seabass. *Ecotoxicology and Environmental Safety*, 73(4), 579-588, 2010. [DDTs; PCBs; PAHs; arsenic; Cd; Cu; Pb; PCB7]
- (3504) FROEHNER, S.; MACENO, M.; DA LUZ, E.C.; SOUZA, D.B.; MACHADO, K.S. Distribution of polycyclic aromatic hydrocarbons in marine sediments and their potential toxic effects. *Environmental Monitoring and Assessment*, 168(1-4), 205-213, 2010. [PAHs; benzo(a)pyrene]
- (3505) GARCIA-BORBOROGLU, P., (ET AL). Magellanic penguin mortality in 2008 along the SW Atlantic coast. *Marine Pollution Bulletin*, 60(10), 1652-1657, 2010. [Oil pollution; climate change]
- (3506) GRAVATO, C.; GUIMARAES, L.; SANTOS, J.; FARIA, M.; ALVES, A.; GUILHERMINO, L. Comparative study about the effects of pollution on glass and yellow eels (*Anguilla anguilla*) from the estuaries of Minho, Lima and Douro Rivers (NW Portugal). *Ecotoxicology and Environmental Safety*, 73(4), 524-533, 2010. [Cd; Cr; Cu; Hg; Ni; Pb; V; Zn; 16 PAHs]

- (3507) HANNAM, M.L.; BAMBER, S.D.; MOODY, A.J.; GALLOWAY, T.S.; JONES, M.B. Immunotoxicity and oxidative stress in the Arctic scallop *Chlamys islandica*: effects of acute oil exposure. *Ecotoxicology and Environmental Safety*, 73(6), 1440-1448, 2010. [PAH]
- (3508) HAZEN, T.C., (ET AL). Deep-sea oil plume enriches indigenous oil-degrading bacteria. *Science*, 330(6001), 204-208, 2010. [Deepwater Horizon; Gulf of Mexico]
- (3509) LONG, R.M.; LAPPIN-SCOTT, H.M.; STEVENS, J.R. Enrichment and identification of polycyclic aromatic compound-degrading bacteria enriched from sediment samples. *Biodegradation*, 20(4), 521-531, 2009. [Severn Estuary; PAHs; anthracene; dibenzothiophene; phenanthrene; bioremediation]
- (3510) LOSSO, C.; NOVELLI, A.A.; DE SALVADOR, D.; GHETTI, P.F.; GHIRARDINI, A.V. Integration of biological responses from a suite of bioassays for the Venice Lagoon (Italy) through sediment toxicity index - Part A: development and comparison of two methodological approaches. *Environmental Pollution*, 158(12), 3655-3662, 2010. [Arsenic; Cd; Cr; Cu; Hg; Ni; Pb; Zn; chlorinated pesticides; PAHs; PCBs; HCB]
- (3511) PAISSE, S.; GONI-URRIZA, M.; COULON, F.; DURAN, R. How a bacterial community originating from a contaminated coastal sediment responds to an oil input. *Microbial Ecology*, 60(2), 394-405, 2010. [PAHs]
- (3512) POKORA, W.; TUKAJ, Z. The combined effect of anthracene and cadmium on photosynthetic activity of three *Desmodesmus* (Chlorophyta) species. *Ecotoxicology and Environmental Safety*, 73(6), 1207-1213, 2010. [Anthracene; Cd; *Scenedesmus microspina*]
- (3513) RADWAN, S.; MAHMOUD, H.; KHANAFER, M.; AL-HABIB, A.; AL-HASAN, R. Identities of epilithic hydrocarbon-utilizing diazotrophic bacteria from the Arabian Gulf coasts, and their potential for oil bioremediation without nitrogen supplementation. *Microbial Ecology*, 60(2), 354-363, 2010.
- (3514) SUN, J.; KHELIFA, A.; ZHENG, X.; WANG, Z.; SO, L.L.; WONG, S.; YANG, C.; FIELDHOUSE, B. A laboratory study on the kinetics of the formation of oil-suspended particulate matter aggregates using the NIST-1941b sediment. *Marine Pollution Bulletin*, 60(10), 1701-1707, 2010. [Oil spill remediation; oil-mineral aggregates (OMA)]
- (3515) UKWE, C.N.; IBE, C.A. A regional collaborative approach in transboundary pollution management in the guinea current region of western Africa. *Ocean and Coastal Management*, 53(9), 493-506, 2010. [Review; domestic sewage; DDTs; PCB; oil and gas production; industrial pollution; agricultural pollution]
- (3516) VALENTINE, D.L., (ET AL). Propane respiration jump-starts microbial response to a deep oil spill. *Science*, 330(6001), 208-211, 2010. [Deepwater Horizon; Gulf of Mexico]
- (3517) WANG, H.-S.; LIANG, P.; KANG, Y.; SHAO, D.-D.; ZHENG, G.J.; WU, S.-C.; WONG, C.K.C.; WONG, M.H. Enrichment of polycyclic aromatic hydrocarbons (PAHs) in mariculture sediments of Hong Kong. *Environmental Pollution*, 158(10), 3298-3308, 2010.
- (3518) WANG, W.; WANG, L.; SHAO, Z. Diversity and abundance of oil-degrading bacteria and alkane hydroxylase (*alkB*) genes in the subtropical seawater of Xiamen Island. *Microbial Ecology*, 60(2), 429-439, 2010. [Crude oil; diesel oil]
- (3519) WIENS, J. Oil, oil, everywhere ... *Bulletin. British Ecological Society*, 41(3), 25-28, 2010. [Deepwater Horizon, Gulf of Mexico; Exxon Valdez]
- (3520) XIA, Z.; DUAN, X.; QIU, W.; LIU, D.; WANG, B.; TAO, S.; JIANG, Q.; LU, B.; SONG, Y.; HU, X. Health risk assessment on dietary exposure to polycyclic aromatic hydrocarbons (PAHs) in Taiyuan, China. *Science of the Total Environment*, 408(22), 5331-5337, 2010. [Including fish]

(3521) ZARFL, C.; MATTHIES, M. Are marine plastic particles transport vectors for organic pollutants to the Arctic? *Marine Pollution Bulletin*, 60(10), 1810-1814, 2010. [DDE; nonylphenol; PAH; PBDE; PCB]

Section 3: Metals

(3522) ADJEROUD, M.; FERNANDEZ, J.M.; CARROLL, A.G.; HARRISON, P.L.; PENIN, L. Spatial patterns and recruitment processes of coral assemblages among contrasting environmental conditions in the southwestern lagoon of New Caledonia. *Marine Pollution Bulletin*, 61(7-12), 375-386, 2010. [Water quality; nutrients; turbidity; Co; Cr; Fe; Mn; Ni; Zn]

(3523) ANDERSON B.S.; PHILLIPS, B.M.; HUNT, J.W.; CLARK, S.L.; VOORHEES, J.P.; TJEERDEMA, R.S.; CASTELINE, J.; STEWART, M.; CRANE, D.; MEKEBRI, A. Evaluation of methods to determine causes of sediment toxicity in San Diego Bay, California, USA. *Ecotoxicology and Environmental Safety*, 73(4), 534-540, 2010. [Cu; bifenthrin; cyfluthrin; cypermethrin; L-cyhalothrin; permethrin; chlordane; oxadiazon; DDT; endosulfan; methoxychlor; PAH; PCB]

(3524) AUBAIL, A.; DIETZ, R.; RIGET, F.; SIMON-BOUHET, B.; CAURANT, F. An evaluation of teeth of ringed seals (*Phoca hispida*) from Greenland as a matrix to monitor spatial and temporal trends of mercury and stable isotopes. *Science of the Total Environment*, 408(21), 5137-5146, 2010. [Hg]

(3525) BERG, K.; PUNTERVOLL, P.; VALDERSNES, S.; GOKSOYR, A. Responses in the brain proteome of Atlantic cod (*Gadus morhua*) exposed to methylmercury. *Aquatic Toxicology*, 100(1), 51-65, 2010. [Hg]

(3526) BRAUNE, B.M.; MALLORY, M.L.; BUTT, C.M.; MABURY, S.A.; MUIR, D.C.G. Persistent halogenated organic contaminants and mercury in northern fulmars (*Fulmarus glacialis*) from the Canadian Arctic. *Environmental Pollution*, 158(12), 3513-3519, 2010. [Hg; PCBs; PCDDs; PCDFs; HCB; HCHs; chlordanes; p,p'-DDE; dieldrin; mirex; PFCs; PFCAs]

(3527) CAPLAT, C.; ORAL, R.; MAHAUT, M.-L.; MAO, A.; BARILLIER, D.; GUIDA, M.; DELLA ROCCA, C.; PAGANO, G. Comparative toxicities of aluminum and zinc from sacrificial anodes or from sulfate salt in sea urchin embryos and sperm. *Ecotoxicology and Environmental Safety*, 73(6), 1138-1143, 2010. [Al; Zn; antifouling]

(3528) CASADO-MARTINEZ, M.C.; SMITH, B.D.; LUOMA, S.N.; RAINBOW, P.S. Metal toxicity in a sediment-dwelling polychaete: threshold body concentrations or overwhelming accumulation rates? *Environmental Pollution*, 158(10), 3071-3076, 2010. [Arsenic; Cu; Zn; Thames lugworms; contaminated sediment from Restronguet Creek]

(3529) CHAIRI, H.; FERNANDEZ-DIAZ, C.; NAVAS, J.I.; MANCHADO, M.; REBORDINOS, L.; BLASCO, J. In vivo genotoxicity and stress defences in three flatfish species exposed to CuSO₄. *Ecotoxicology and Environmental Safety*, 73(6), 1279-1285, 2010. [Cu]

(3530) COSTA, P.M.; CHICANO-GALVEZ, E.; BAREA, J.L.; DELVALLS, T.A.; COSTA, M.H. Alterations to proteome and tissue recovery responses in fish liver caused by a short-term combination treatment with cadmium and benzo[a]pyrene. *Environmental Pollution*, 158(10), 3338-3346, 2010. [Cd; PAH]

(3531) CREIGHTON, N.; TWINING, J. Bioaccumulation from food and water of cadmium, selenium and zinc in an estuarine fish, *Ambassis jacksoniensis*. *Marine Pollution Bulletin*, 60(10), 1815-1821, 2010. [Cd; Se; Zn]

(3532) CURADO, G.; RUBIO-CASAL, A.E.; FIGUEROA, E.; CASTILLO, J.M. Germination and establishment of the invasive cordgrass *Spartina densiflora* in acidic and metal polluted sediments of the Tinto River. *Marine Pollution Bulletin*, 60(10), 1842-1848, 2010. [Mine pollution; pH; Al; arsenic; Cd; Cr; Cu; Fe; Ni; Pb; Zn]

(3533) DAMON-RANDALL, K., (ET AL). Atlantic sturgeon research techniques. NOAA Technical Memorandum, (NMFS-NE-215), vi, 64p., 2010. [Including contaminant sampling] Available at: <http://www.nefsc.noaa.gov/nefsc/publications/tm/tm215/>.

- (3534) DONALDSON, S.G., (ET AL). Environmental contaminants and human health in the Canadian Arctic. *Science of the Total Environment*, 408(22), 5165-5234, 2010. [Review; fish; marine mammals; seafood]
- (3535) DUNCAN, E.; FOSTER, S.; MAHER, W. Uptake and metabolism of arsenate, methylarsonate and arsenobetaine by axenic cultures of the phytoplankton *Dunaliella tertiolecta*. *Botanica Marina*, 53(4), 377-386, 2010.
- (3536) FERREIRA, M.; CAETANO, M.; ANTUNES, P.; COSTA, J.; GIL, O.; BANDARRA, N.; POUSAO-FERREIRA, P.; VALE, C.; REIS-HENRIQUES, M.A. Assessment of contaminants and biomarkers of exposure in wild and farmed seabass. *Ecotoxicology and Environmental Safety*, 73(4), 579-588, 2010. [DDTs; PCBs; PAHs; arsenic; Cd; Cu; Pb; PCB7]
- (3537) GIARRATANO, E.; AMIN, O.A. Heavy metals monitoring in the southernmost mussel farm of the world (Beagle Channel, Argentina). *Ecotoxicology and Environmental Safety*, 73(6), 1378-1384, 2010. [Cd; Cu; Fe; Zn]
- (3538) GRAVATO, C.; GUIMARAES, L.; SANTOS, J.; FARIA, M.; ALVES, A.; GUILHERMINO, L. Comparative study about the effects of pollution on glass and yellow eels (*Anguilla anguilla*) from the estuaries of Minho, Lima and Douro Rivers (NW Portugal). *Ecotoxicology and Environmental Safety*, 73(4), 524-533, 2010. [Cd; Cr; Cu; Hg; Ni; Pb; V; Zn; 16 PAHs]
- (3539) HARLAVAN, Y.; ALMOGI-LABIN, A.; HERUT, B. Tracing natural and anthropogenic Pb in sediments along the Mediterranean coast of Israel using Pb isotopes. *Environmental Science and Technology*, 44(17), 6576-6582, 2010.
- (3540) HEDOUIN, L.; BATISTA, M.G.; METIAN, M.; BUSCHIAZZO, E.; WARNAU, M. Metal and metalloid bioconcentration capacity of two tropical bivalves for monitoring the impact of land-based mining activities in the New Caledonia lagoon. *Marine Pollution Bulletin*, 61(7-12), 554-567, 2010. [Arsenic; Cd; Co; Cr; Mn; Zn]
- (3541) HEDOUIN, L.; METIAN, M.; LACQUE-LABARTHE, T.; FICHEZ, R.; TEYSSIE, J.-L.; BUSTAMANTE, P.; WARNAU, M. Influence of food on the assimilation of selected metals in tropical bivalves from the New Caledonia lagoon: qualitative and quantitative aspects. *Marine Pollution Bulletin*, 61(7-12), 568-575, 2010. [Co; Mn; Zn; 57Co; 54Mn; 65Zn]
- (3542) HEDOUIN, L.; METIAN, M.; TEYSSIE, J.-L.; FICHEZ, R.; WARNAU, M. Delineation of heavy metal contamination pathways (seawater, food and sediment) in tropical oysters from New Caledonia using radiotracer techniques. *Marine Pollution Bulletin*, 61(7-12), 542-553, 2010. [Ag; Cd; Co; Cr; Zn; 110mAg; 109Cd; 57Co; 51Cr; 65Zn]
- (3543) HENGST, M.B.; ANDRADE, S.; GONZALEZ, B.; CORREA, J.A. Changes in epiphytic bacterial communities of intertidal seaweeds modulated by host, temporality, and copper enrichment. *Microbial Ecology*, 60(2), 282-290, 2010. [Cu]
- (3544) HO, T.-Y.; CHOU, W.-C.; WEI, C.-L.; LIN, F.-J.; WONG, G.T.F.; LIN, H.-L. Trace metal cycling in the surface water of the South China Sea: vertical fluxes, composition, and sources. *Limnology and Oceanography*, 55(5), 1807-1820, 2010. [Al; Ba; Ca; Cd; Co; Cu; Fe; Mg; Mn; Mo; Ni; Pb; S; Si; Sr; Th; Ti; U; V; Zn]
- (3545) HUANG, X.; GUO, F.; KE, C.; WANG W.-X. Responses of abalone *Haliotis diversicolor* to sublethal exposure of waterborne and dietary silver and cadmium. *Ecotoxicology and Environmental Safety*, 73(6), 1130-1137, 2010. [Ag; Cd]
- (3546) HUBNER, R.; ASTIN, K.B.; HERBERT, R.J.H. Comparison of sediment quality guidelines (SQGs) for the assessment of metal contamination in marine and estuarine environments. *Journal of Environmental Monitoring*, 11, 713-722, 2009. [Critical review; Ag; arsenic; Cd; Cr; Cu; Hg; Ni; Sn; Pb; Zn]

- (3547) ILLUMINATI, S.; TRUZZI, C.; ANNIBALDI, A.; MIGLIARINI, B.; CARNEVALI, O.; SCARPONI, G. Cadmium bioaccumulation and metallothionein induction in the liver of the Antarctic teleost *Trematomus bernacchii* during an on-site short-term exposure to the metal via seawater. *Toxicological and Environmental Chemistry*, 92(3), 617-640, 2010. [Cd]
- (3548) KADAR, E.; SIMMANCE, F.; MARTIN, O.; VOULVOULIS, N.; WIDDICOMBE, S.; MITOV, S.; LEAD, J.R.; READMAN, J.W. The influence of engineered Fe₂O₃ nanoparticles and soluble (FeCl₃) iron on the developmental toxicity caused by CO₂-induced seawater acidification. *Environmental Pollution*, 158(12), 3490-3497, 2010. [Ocean acidification; pH; Fe]
- (3549) KLJAKOVIC-GASPIC, Z.; HERCEG-ROMANIC, S.; KOZUL, D.; VEZA, J. Biomonitoring of organochlorine compounds and trace metals along the Eastern Adriatic coast (Croatia) using *Mytilus galloprovincialis*. *Marine Pollution Bulletin*, 60(10), 1879-1889, 2010. [Cd; Cr; Cu; Hg; Pb; Zn; 17 PCBs; DDTs; HCHs; HCB]
- (3550) KOCAK, E.; YETILMEZSOY, K.; GONULLU, M.T.; PETEK, M. A statistical evaluation of the potential genotoxic activity in the surface waters of the Golden Horn Estuary. *Marine Pollution Bulletin*, 60(10), 1708-1717, 2010. [Water quality; Al; Cd; Cr; Cu; Fe; Mn; Pb; Zn; nutrients]
- (3551) LACOUÉ-LABARTHE, T.; LE BIHAN, E.; BORG, D.; KOUETA, N.; BUSTAMANTE, P. Acid phosphatase and cathepsin activity in cuttlefish (*Sepia officinalis*) eggs: the effects of Ag, Cd, and Cu exposure. *ICES Journal of Marine Science*, 67(7), 1517-1523, 2010.
- (3552) LAVOIE, R.A.; HEBERT, C.E.; RAIL, J.-F.; BRAUNE, B.M.; YUMVIHOZE, E.; HILL, L.G.; LEAN, D.R.S. Trophic structure and mercury distribution in a Gulf of St. Lawrence (Canada) food web using stable isotope analysis. *Science of the Total Environment*, 408(22), 5529-5539, 2010. [Hg; methylmercury]
- (3553) LIU, X.J.; LUO, Z.; XIONG, B.X.; LIU, X.; ZHAO, Y.H.; HU, G.F.; LV, G.J. Effect of waterborne copper exposure on growth, hepatic enzymatic activities and histology in *Synechogobius hasta*. *Ecotoxicology and Environmental Safety*, 73(6), 1286-1291, 2010. [Cu]
- (3554) LOSSO, C.; NOVELLI, A.A.; DE SALVADOR, D.; GHETTI, P.F.; GHIRARDINI, A.V. Integration of biological responses from a suite of bioassays for the Venice Lagoon (Italy) through sediment toxicity index - Part A: development and comparison of two methodological approaches. *Environmental Pollution*, 158(12), 3655-3662, 2010. [Arsenic; Cd; Cr; Cu; Hg; Ni; Pb; Zn; chlorinated pesticides; PAHs; PCBs; HCB]
- (3555) MCKELVEY, W.; CHANG, M.; ARNASON, J.; JEFFERY, N.; KRICHEFF, J.; KASS, D. Mercury and polychlorinated biphenyls in Asian market fish: a response to results from mercury biomonitoring in New York City. *Environmental Research*, 110(7), 650-657, 2010. [Hg; PCBs; seafood]
- (3556) MERIC, E.; AVSAR, N.; NAZIK, A.; BARUT, I.F.; BERGIN, F.; BALKIS, N.; ONCEL, M.S.; KAPAN-YESILYURT, S. The response of benthic foraminifer, ostracod and mollusc assemblages to environmental conditions: a case study from the Camalti Saltpan (Izmir-Western Turkey). *Mediterranean Marine Science*, 11(1), 5-32, 2010. [Al; arsenic; Cd; Cr; Cu; Fe; Hg; Mn; Ni; Pb; Se; Si; Sn; V; Zn]
- (3557) METIAN, M.; HEDOUIN, L.; ELTAYEB, M.M.; LACOUÉ-LABARTHE, T.; TEYSSIE, J.-L.; MUGNIER, C.; BUSTAMANTE, P.; WARNAU, M. Metal and metalloid bioaccumulation in the Pacific blue shrimp *Litopenaeus stylirostris* (Stimpson) from New Caledonia: laboratory and field studies. *Marine Pollution Bulletin*, 61(7-12), 576-584, 2010. [Ag; arsenic; Cd; Co; Cr; Cu; Mn; Ni; Zn; 110mAg; 109Cd; 57Co; 51Cr; 65Zn]

- (3558) MUGNAI, C.; BERTOLOTTI, R.M.; GAINO, F.; TIBERIADE, C.; BELLUCCI, L.G.; GIULIANI, S.; ROMANO, S.; FRIGNANI, M.; ALBERTAZZI, S.; GALAZZO, D. History and trends of sediment contamination by heavy metals within and close to a marine area of national interest: the Ligurian Sea off Cogoleto-Stoppani (Genoa, Italy). *Water, Air, and Soil Pollution*, 211(1-4), 69-77, 2010. [Ag; Cr; Cu; Hg; Pb; Zn; Ni]
- (3559) OWESON, C.; LI, C.; SODERHALL, I.; HERNROTH, B. Effects of manganese and hypoxia on coelomocyte renewal in the echinoderm, *Asterias rubens* (L.). *Aquatic Toxicology*, 100(1), 84-90, 2010. [Mn]
- (3560) PATO, P.; OTERO, M.; VALEGA, M.; LOPES, C.B.; PEREIRA, M.E.; DUARTE, A.C. Mercury partition in the interface between a contaminated lagoon and the ocean: the role of particulate load and composition. *Marine Pollution Bulletin*, 60(10), 1658-1666, 2010. [Hg]
- (3561) PAUL-PONT, I.; DE MONTAUDOUIN, X.; GONZALEZ, P.; JUDE, F.; RAYMOND, N.; PAILLARD, C.; BAUDRIMONT, M. Interactive effects of metal contamination and pathogenic organisms on the introduced marine bivalve *Ruditapes philippinarum* in European populations. *Environmental Pollution*, 158(11), 3401-3410, 2010. [Cd; metallothionein]
- (3562) PEREIRA, P.; DE PABLO, H.; CARVALHO, S.; VALE, C.; PACHECO, M. Daily availability of nutrients and metals in a eutrophic meso-tidal coastal lagoon (Obidos lagoon, Portugal). *Marine Pollution Bulletin*, 60(10), 1868-1872, 2010. [Al; Fe; Mn; Pb; eutrophication]
- (3563) PEREZ, P.; BEIRAS, R.; FERNANDEZ, E. Monitoring copper toxicity in natural phytoplankton assemblages: application of Fast Repetition Rate fluorometry. *Ecotoxicology and Environmental Safety*, 73(6), 1292-1303, 2010. [Cu]
- (3564) POHL, C.; HENNINGS, U.; LEIPE, T. Die Schwermetall-Situation in der Ostsee im Jahre 2009. *Meereswissenschaftliche Berichte, Warnemunde*, (80), 111-147, 2010. [Cd; Cu; Hg; Pb; Zn]
- (3565) POKORA, W.; TUKAJ, Z. The combined effect of anthracene and cadmium on photosynthetic activity of three *Desmodesmus* (Chlorophyta) species. *Ecotoxicology and Environmental Safety*, 73(6), 1207-1213, 2010. [Anthracene; Cd; *Scenedesmus microspina*]
- (3566) PRINGAULT, O.; VIRET, H.; DURAN, R. Influence of microorganisms on the removal of nickel in tropical marine sediments (New Caledonia). *Marine Pollution Bulletin*, 61(7-12), 530-541, 2010. [Ni]
- (3567) SACO-ALVAREZ, L.; DURAN, I.; LORENZO, J.I.; BEIRAS, R. Methodological basis for the optimization of a marine sea-urchin embryo test (SET) for the ecological assessment of coastal water quality. *Ecotoxicology and Environmental Safety*, 73(4), 491-499, 2010. [Cd; Cu; Hg; Pb]
- (3568) SANCHEZ-MOYANO, J.E.; GARCIA-ASENCIO, I. Crustacean assemblages in a polluted estuary from South-Western Spain. *Marine Pollution Bulletin*, 60(10), 1890-1897, 2010. [Cu; Hg; Zn; baseline study]
- (3569) SHARMA, A.; GONTIA, I.; AGARWAL, P.K.; JHA, B. Accumulation of heavy metals and its biochemical responses in *Salicornia brachiata*, an extreme halophyte. *Marine Biology Research*, 6(5), 511-518, 2010. [Arsenic; Cd; Ni]
- (3570) SHEIR, S.K.; HANDY, R.D.; GALLOWAY, T.S. Tissue injury and cellular immune responses to mercuric chloride exposure in the common mussel *Mytilus edulis*: modulation by lipopolysaccharide. *Ecotoxicology and Environmental Safety*, 73(6), 1338-1344, 2010. [Hg]
- (3571) SNOEIJIS, P.; WECKSTROM, K. Diatoms and environmental change in large brackish-water ecosystems. In: Smol, J.P.; Stoermer, E.F., (editors). *The diatoms. Applications for the environmental and earth sciences*. 2nd edition. p.287-308. Cambridge University Press, 2010. [Eutrophication; metals; radionuclides; nutrients; climate change; alien species]

- (3572) STRIGUL, N. Does speciation matter for tungsten ecotoxicology? *Ecotoxicology and Environmental Safety*, 73(6), 1099-1113, 2010. [Review; W]
- (3573) SU, Q.; ZHANG, H.; GUO, Y. Early warning on eco - geochemistry of heavy metal pollution in Quanzhou Bay, Fujian Province, southeast China. [In Chinese with English summary]. *Environmental Science and Management*, 35(6), 41-45, 2010. [Arsenic; Cd; Cr; Cu; Hg; Ni; Pb; Zn]
- (3574) SUZUKI, K., (ET AL). Neurobehavioral effects of prenatal exposure to methylmercury and PCBs, and seafood intake: neonatal behavioral assessment scale results of Tohoku study of child development. *Environmental Research*, 110(7), 699-704, 2010. [Hg]
- (3575) TAKATA, H.; AONO, T.; TAGAMI, K.; UCHIDA, S. Processes controlling cobalt distribution in two temperate estuaries, Sagami Bay and Wakasa Bay, Japan. *Estuarine, Coastal and Shelf Science*, 89(4), 294-305, 2010. [Co; sewage; Mn]
- (3576) TANAKA, K.; OHDE, S.; SAKAGUCHI, A.; MCLEOD, C.W.; COX, A.G. Pb/Ca in Thailand coral determined by LA-ICP-MS: anthropogenic Pb input of river run-off into a coral reef from urbanised areas. *Water, Air, and Soil Pollution*, 211(1-4), 211-218, 2010.
- (3577) TEDESCO, S.; DOYLE, H.; BLASCO, J.; REDMOND, G.; SHEEHAN, D. Oxidative stress and toxicity of gold nanoparticles in *Mytilus edulis*. *Aquatic Toxicology*, 100(2), 178-186, 2010. [Au]
- (3578) TROBAJO, R.; SULLIVAN, M.J. Applied diatom studies in estuaries and shallow coastal environments. In: Smol, J.P.; Stoermer, E.F., (editors). *The diatoms. Applications for the environmental and earth sciences*. 2nd edition. p.309-323. Cambridge University Press, 2010. [Eutrophication; nutrients; pollution]
- (3579) TURNER, A.; RICE, L. Toxicity of tire wear particle leachate to the marine macroalga, *Ulva lactuca*. *Environmental Pollution*, 158(12), 3650-3654, 2010. [Zn]
- (3580) WESLEY, S.G.; RAJ, Y.L.; VARUGHESE, K.G. Biomonitoring of heavy metals in marine algae off Kudankulam, Gulf of Mannar, India. *Journal of the Marine Biological Association of India*, 51(1), 37-43, 2009. [Cd; Co; Cr; Cu; Fe; Mn; Ni; Pb; Zn; baseline data]
- (3581) YOUNSI, M.; DAAS, T.; DAAS, O.; SCAPS, P. Polychaetes of commercial interest from the Mediterranean East Coast of Algeria. *Mediterranean Marine Science*, 11(1), 185-188, 2010. [Harvesting methods; bleach; Mn]
- (3582) ZHENG, S.; CHEN, B.; WANG, Z.; QIU, X.; YU, X.; FREESTONE, D.; LIU, Z.; HUANG, H.; YU, W.; XU, X. Reproductive toxic effects of sublethal cadmium on the marine polychaete *Perinereis nuntia*. *Ecotoxicology and Environmental Safety*, 73(6), 1196-1201, 2010. [Cd; vitellogenin]

Section 4: Radioactivity

- (3583) CARVALHO, F.P.; OLIVEIRA, J.M.; ALBERTO, G.; VIVES I BATLLE, J. Allometric relationships of ^{210}Po and ^{210}Pb in mussels and their application to environmental monitoring. *Marine Pollution Bulletin*, 60(10), 1734-1742, 2010.
- (3584) FIGUEROA, F.L.; ISRAEL, A.; NEORI, A.; MARTINEZ, B.; MALTA, E.J.; PUT, A.; INKEN, S.; MARQUARDT, R.; ABDALA, R.; KORBEE, N. Effect of nutrient supply on photosynthesis and pigmentation to short-term stress (UV radiation) in *Gracilaria conferta* (Rhodophyta). *Marine Pollution Bulletin*, 60(10), 1768-1778, 2010. [Fishpond effluent]
- (3585) HEDOUIN, L.; METIAN, M.; LACQUE-LABARTHE, T.; FICHEZ, R.; TEYSSIE, J.-L.; BUSTAMANTE, P.; WARNAU, M. Influence of food on the assimilation of selected metals in tropical bivalves from the New Caledonia lagoon: qualitative and quantitative aspects. *Marine Pollution Bulletin*, 61(7-12), 568-575, 2010. [Co; Mn; Zn; ^{57}Co ; ^{54}Mn ; ^{65}Zn]
- (3586) HEDOUIN, L.; METIAN, M.; TEYSSIE, J.-L.; FICHEZ, R.; WARNAU, M. Delineation of heavy metal contamination pathways (seawater, food and sediment) in tropical oysters from New Caledonia using radiotracer techniques. *Marine Pollution Bulletin*, 61(7-12), 542-553, 2010. [Ag; Cd; Co; Cr; Zn; ^{110}mAg ; ^{109}Cd ; ^{57}Co ; ^{51}Cr ; ^{65}Zn]
- (3587) HELDAL, H.E.; SJOTUN, K. Technetium-99 (^{99}Tc) in annual growth segments of knotted wrack (*Ascophyllum nodosum*). *Science of the Total Environment*, 408(22), 5575-5582, 2010.
- (3588) KUGURU, B.; ACHITUV, Y.; GRUBER, D.F.; TCHERNOV, D. Photoacclimation mechanisms of corallimorpharians on coral reefs: photosynthetic parameters of zooxanthellae and host cellular responses to variation in irradiance. *Journal of Experimental Marine Biology and Ecology*, 394(1/2), 53-62, 2010. [UV]
- (3589) METIAN, M.; HEDOUIN, L.; ELTAYEB, M.M.; LACQUE-LABARTHE, T.; TEYSSIE, J.-L.; MUGNIER, C.; BUSTAMANTE, P.; WARNAU, M. Metal and metalloid bioaccumulation in the Pacific blue shrimp *Litopenaeus stylirostris* (Stimpson) from New Caledonia: laboratory and field studies. *Marine Pollution Bulletin*, 61(7-12), 576-584, 2010. [Ag; arsenic; Cd; Co; Cr; Cu; Mn; Ni; Zn; ^{110}mAg ; ^{109}Cd ; ^{57}Co ; ^{51}Cr ; ^{65}Zn]
- (3590) SNOEIJIS, P.; WECKSTROM, K. Diatoms and environmental change in large brackish-water ecosystems. In: Smol, J.P.; Stoermer, E.F., (editors). *The diatoms. Applications for the environmental and earth sciences*. 2nd edition. p.287-308. Cambridge University Press, 2010. [Eutrophication; metals; radionuclides; nutrients; climate change; alien species]
- (3591) STRUMINSKA-PARULSKA, D.I.; SKWARZEC, B. Plutonium isotopes ^{238}Pu , $^{239}+^{240}\text{Pu}$, ^{241}Pu and $^{240}\text{Pu}/^{239}\text{Pu}$ atomic ratios in the southern Baltic Sea ecosystem. *Oceanologia*, 52(3), 499-512, 2010. [Chernobyl]

Section 5: Other Chemicals

- (3592) AM, C.I.; NEUMANN, R.; SHIN, P.K.S.; AU, D.W.T.; QIAN, P.Y.; WU, R.S.S. Polybrominated diphenylethers (PBDEs) alter larval settlement of marine benthic polychaetes. *Environmental Science and Technology*, 44(18), 7130-7137, 2010.
- (3593) ANDERSON B.S.; PHILLIPS, B.M.; HUNT, J.W.; CLARK, S.L.; VOORHEES, J.P.; TJEERDEMA, R.S.; CASTELINE, J.; STEWART, M.; CRANE, D.; MEKEBRI, A. Evaluation of methods to determine causes of sediment toxicity in San Diego Bay, California, USA. *Ecotoxicology and Environmental Safety*, 73(4), 534-540, 2010. [Cu; bifenthrin; cyfluthrin; cypermethrin; L-cyhalothrin; permethrin; chlordane; oxadiazon; DDT; endosulfan; methoxychlor; PAH; PCB]
- (3594) BOSKER, T.; MUNKITTRICK, K.R.; MACLATCHY, D.L. Challenges and opportunities with the use of biomarkers to predict reproductive impairment in fishes exposed to endocrine disrupting substances. *Aquatic Toxicology*, 100(1), 9-16, 2010.
- (3595) BOUWMAN, L.; HARRISON, J.; SEITZINGER, S.; MAYORGA, E. Linking watersheds to coastal marine ecosystems; global nutrient river export trajectories 1970-2050. *LOICZ Inprint*, 2, 5-13, 2010. [NEWS; eutrophication]
- (3596) BRAUNE, B.M.; MALLORY, M.L.; BUTT, C.M.; MABURY, S.A.; MUIR, D.C.G. Persistent halogenated organic contaminants and mercury in northern fulmars (*Fulmarus glacialis*) from the Canadian Arctic. *Environmental Pollution*, 158(12), 3513-3519, 2010. [Hg; PCBs; PCDDs; PCDFs; HCB; HCHs; chlordanes; p,p'-DDE; dieldrin; mirex; PFCs; PFCAs]
- (3597) BROWNE, E.; KELLEY, M.; ZHOU, G.-D.; HE, L.Y.; MCDONALD, T.; WANG, S.; DUNCAN, B.; MEADOR, J.; DONNELLY, K.; GALLAGHER, E. In situ biomonitoring of juvenile Chinook salmon (*Onchorhynchus tshawytscha*) using biomarkers of chemical exposures and effects in a partially remediated urbanized waterway of the Puget Sound, WA. *Environmental Research*, 110(7), 675-683, 2010. [PAHs; PCBs]
- (3598) CARINI, S.A.; MCCARTHY, M.J.; GARDNER, W.S. An isotope dilution method to measure nitrification rates in the northern Gulf of Mexico and other eutrophic waters. *Continental Shelf Research*, 30(17), 1795-1801, 2010. [Eutrophication; nutrients]
- (3599) CASTRO-JIMENEZ, J., (ET AL). Atmospheric occurrence and deposition of polychlorinated dibenzo-p-dioxins and dibenzofurans (PCDD/Fs) in the open Mediterranean Sea. *Environmental Science and Technology*, 44(14), 5456-5463, 2010. [PCDDs; PCDFs]
- (3600) CHOI, J.Y.; YANG, D.B.; HONG, G.H. Bioaccumulation of polychlorinated biphenyls (PCBs) and organochlorine pesticides in Manila clams (*Ruditapes philippinarum*) collected from the mid-western coast of Korea. [In Korean with English summary]. *Ocean and Polar Research*, 32(3), 237-245, 2010. [DDTs; HCHs]
- (3601) CHOI, J.Y.; YANG, D.B.; LEE, S.-G.; BANG, J.H.; HONG, G.H.; SHIN, K.H. Organophosphorous pesticide distribution in seawater from Asan Bay, Korea in 2008. [In Korean with English summary]. *Ocean and Polar Research*, 32(3), 203-212, 2010. [29 compounds; azinphos ethyl; DDVP; demeton-O; diazinon; IBP; malathion]
- (3602) CHOY, E.S.; KIMPE, L.E.; MALLORY, M.L.; SMOL, J.P.; BLAIS, J.M. Contamination of an arctic terrestrial food web with marine-derived persistent organic pollutants transported by breeding seabirds. *Environmental Pollution*, 158(11), 3431-3438, 2010. [DDTs; PCBs; PCB-153]
- (3603) COOPER, S.; GAISER, E.; WACHNICKA, A. Estuarine paleoenvironmental reconstructions using diatoms. In: Smol, J.P.; Stoermer, E.F., (editors). *The diatoms. Applications for the environmental and earth sciences*. 2nd edition. p.324-345. Cambridge University Press, 2010. [Eutrophication; nutrient enrichment; storm disturbance; sea level rise]

- (3604) CURADO, G.; RUBIO-CASAL, A.E.; FIGUEROA, E.; CASTILLO, J.M. Germination and establishment of the invasive cordgrass *Spartina densiflora* in acidic and metal polluted sediments of the Tinto River. *Marine Pollution Bulletin*, 60(10), 1842-1848, 2010. [Mine pollution; pH; Al; arsenic; Cd; Cr; Cu; Fe; Ni; Pb; Zn]
- (3605) DAMON-RANDALL, K., (ET AL). Atlantic sturgeon research techniques. NOAA Technical Memorandum, (NMFS-NE-215), vi, 64p., 2010. [Including contaminant sampling] Available at: <http://www.nefsc.noaa.gov/nefsc/publications/tm/tm215/>.
- (3606) DEBORDE, J.; ANSCHUTZ, P.; GUERIN, F.; POIRIER, D.; MARTY, D.; BOUCHER, G.; THOUZEAU, G.; CANTON, M.; ABRIL, G. Methane sources, sinks and fluxes in a temperate tidal lagoon: the Arcachon lagoon (SW France). *Estuarine, Coastal and Shelf Science*, 89(4), 256-266, 2010.
- (3607) DONALDSON, S.G., (ET AL). Environmental contaminants and human health in the Canadian Arctic. *Science of the Total Environment*, 408(22), 5165-5234, 2010. [Review; fish; marine mammals; seafood]
- (3608) DROGE, S.T.J.; HERMENS, J.L.M. Alcohol ethoxylate mixtures in marine sediment: competition for adsorption sites affects the sorption behaviour of individual homologues. *Environmental Pollution*, 158(10), 3116-3122, 2010. [Nonionic surfactants; AEs]
- (3609) DUAN, S.; BIANCHI, T.S.; SANTSCHI, P.H.; AMON, R.M.W. Effects of tributary inputs on nutrient export from the Mississippi and Atchafalaya Rivers to the Gulf of Mexico. *Marine and Freshwater Research*, 61(9), 1029-1038, 2010. [Nutrient loading]
- (3610) EEK, E.; CORNELISSEN, G.; BREEDVELD, G.D. Field measurement of diffusional mass transfer of HOCs at the sediment-water interface. *Environmental Science and Technology*, 44(17), 6752-6759, 2010. [PAHs; PCBs; pyrene; PCB-52; capping]
- (3611) FERREIRA, M.; CAETANO, M.; ANTUNES, P.; COSTA, J.; GIL, O.; BANDARRA, N.; POUSAO-FERREIRA, P.; VALE, C.; REIS-HENRIQUES, M.A. Assessment of contaminants and biomarkers of exposure in wild and farmed seabass. *Ecotoxicology and Environmental Safety*, 73(4), 579-588, 2010. [DDTs; PCBs; PAHs; arsenic; Cd; Cu; Pb; PCB7]
- (3612) FICHEZ, R.; CHIFFLET, S.; DOUILLET, P.; GERARD, P.; GUTIERREZ, F.; JOUON, A.; OUILLO, S.; GRENZ, C. Biogeochemical typology and temporal variability of lagoon waters in a coral reef ecosystem subject to terrigenous and anthropogenic inputs (New Caledonia). *Marine Pollution Bulletin*, 61(7-12), 309-322, 2010. [Eutrophication; nutrients; particulate organic matter]
- (3613) FIGUEROA, F.L.; ISRAEL, A.; NEORI, A.; MARTINEZ, B.; MALTA, E.J.; PUT, A.; INKEN, S.; MARQUARDT, R.; ABDALA, R.; KORBEE, N. Effect of nutrient supply on photosynthesis and pigmentation to short-term stress (UV radiation) in *Gracilaria conferta* (Rhodophyta). *Marine Pollution Bulletin*, 60(10), 1768-1778, 2010. [Fishpond effluent]
- (3614) FIORINI, S.; GATTUSO, J.-P.; VAN RIJSWIJK, P.; MIDDELBURG, J. Coccolithophores lipid and carbon isotope composition and their variability related to changes in seawater carbonate chemistry. *Journal of Experimental Marine Biology and Ecology*, 394(1/2), 74-85, 2010. [CO₂]
- (3615) FITCH, J.E.; CROWE, T.P. Effective methods for assessing ecological quality in intertidal soft-sediment habitats. *Marine Pollution Bulletin*, 60(10), 1726-1733, 2010. [Nutrient enrichment; organic enrichment; west coast of Ireland; Mweenish; Casla; Rusheen; Mutton Island; Oranmore; Tawin; Finavara; Tarbert; Barrow; Tralee]
- (3616) GAULKE, A.K.; WETZ, M.S.; PAERL, H.W. Picophytoplankton: a major contributor to planktonic biomass and primary production in a eutrophic, river-dominated estuary. *Estuarine, Coastal and Shelf Science*, 90(1), 45-54, 2010. [Eutrophication; nutrient loading]

- (3617) GREBEL, J.E.; PIGNATELLO, J.J.; MITCH, W.A. Effect of halide ions and carbonates on organic contaminant degradation by hydroxyl radical-based advanced oxidation processes in saline waters. *Environmental Science and Technology*, 44(17), 6822-6828, 2010. [Phenols; cyclohexanol; 17 beta-estradiol]
- (3618) GREN, I.-M. Resilience value of constructed coastal wetlands for combating eutrophication. *Ocean and Coastal Management*, 53(7), 358-365, 2010. [Baltic Sea; nutrient loads]
- (3619) HALL, A.J.; GULLAND, F.M.D.; HAMMOND, J.A.; SCHWACKE, L.H. Epidemiology, disease, and health assessment. In: Boyd, I.L.; Bowen, W.D.; Iverson, S.J., (editors). *Marine mammal ecology and conservation. A handbook of techniques*. p.144-164. Oxford University Press, 2010. [PCBs]
- (3620) HARDISON, A.K.; CANUEL, E.A.; ANDERSON, I.C.; VEUGER, B. Fate of macroalgae in benthic systems: carbon and nitrogen cycling within the microbial community. *Marine Ecology Progress Series*, 414, 41-55, 2010. [Eutrophication; nutrient loading]
- (3621) HASELMAIR, A.; STACHOWITSCH, M.; ZUSCHIN, M.; RIEDEL, B. Behaviour and mortality of benthic crustaceans in response to experimentally induced hypoxia and anoxia in situ. *Marine Ecology Progress Series*, 414, 195-208, 2010. [Eutrophication; hydrogen sulphide]
- (3622) HEWITT, J.E.; THRUSH, S.F. Empirical evidence of an approaching alternate state produced by intrinsic community dynamics, climatic variability and management actions. *Marine Ecology Progress Series*, 413, 267-276, 2010. [Sewage disposal; nutrients; climate change]
- (3623) HJORTH, M.; HANSEN, J.H.; CAMUS, L. Short-term effects of sucralose on *Calanus finmarchicus* and *Calanus glacialis* in Disko Bay, Greenland. *Chemistry and Ecology*, 26(5), 385-393, 2010. [Non-calorie sweetener]
- (3624) HONG, S.H.; KANNAN, N.; JIN, Y.; WON, J.H.; HAN, G.M.; SHIM, W.J. Temporal trend, spatial distribution, and terrestrial sources of PBDEs and PCBs in Masan Bay, Korea. *Marine Pollution Bulletin*, 60(10), 1836-1841, 2010.
- (3625) HOPKINSON, B.M.; XU, Y.; SHI, D.; MCGINN, P.J.; MOREL, F.M.M. The effect of CO₂ on the photosynthetic physiology of phytoplankton in the Gulf of Alaska. *Limnology and Oceanography*, 55(5), 2011-2024, 2010. [Ocean acidification; pH]
- (3626) ILYINA, T.; HUNZIKER, R.W. Scenarios of temporal and spatial evolution of hexabromocyclododecane in the North Sea. *Environmental Science and Technology*, 44(12), 4622-4628, 2010. [HBCD]
- (3627) IRIBARREN, D.; VAZQUEZ-ROWE, I.; HOSPIDO, A.; MOREIRA, M.T.; FEIJOO, G. Estimation of the carbon footprint of the Galician fishing activity (NW Spain). *Science of the Total Environment*, 408(22), 5284-5294, 2010.
- (3628) JASPERS, V.L.B.; DIETZ, R.; SONNE, C.; LETCHER, R.J.; EENS, M.; NEELS, H.; BORN, E.W.; COVACI, A. A screening of persistent organohalogenated contaminants in hair of East Greenland polar bears. *Science of the Total Environment*, 408(22), 5613-5618, 2010. [PCBs; trans-nonachlor; oxychlordan; HCB; HCH]
- (3629) JENSEN, B.A.; REDDY, C.M.; NELSON, R.K.; HAHN, M.E. Developing tools for risk assessment in protected species: relative potencies inferred from competitive binding of halogenated aromatic hydrocarbons to aryl hydrocarbon receptors from beluga (*Delphinapterus leucas*) and mouse. *Aquatic Toxicology*, 100(3), 238-245, 2010. [TCDD; TCDF; PCBs]
- (3630) JI, K.; KHO, Y.; PARK, C.; PAEK, D.; RYU, P.; PAEK, D.; KIM, M.; KIM, P.; CHOI, K. Influence of water and food consumption on inadvertent antibiotics intake among general population. *Environmental Research*, 110(7), 641-649, 2010. [Trimethoprim; including raw fish]

- (3631) KADAR, E.; SIMMANCE, F.; MARTIN, O.; VOULVOULIS, N.; WIDDICOMBE, S.; MITOV, S.; LEAD, J.R.; READMAN, J.W. The influence of engineered Fe₂O₃ nanoparticles and soluble (FeCl₃) iron on the developmental toxicity caused by CO₂-induced seawater acidification. *Environmental Pollution*, 158(12), 3490-3497, 2010. [Ocean acidification; pH; Fe]
- (3632) KANG, J.-C.; JEE, J.-H.; KOO, J.-G.; KEUM, Y.-H.; JO, S.-G.; PARK, K.H. Anti-oxidative status and hepatic enzymes following acute administration of diethyl phthalate in olive flounder *Paralichthys olivaceus*, a marine culture fish. *Ecotoxicology and Environmental Safety*, 73(6), 1449-1455, 2010.
- (3633) KLJAKOVIC-GASPIC, Z.; HERCEG-ROMANIC, S.; KOZUL, D.; VEZA, J. Biomonitoring of organochlorine compounds and trace metals along the Eastern Adriatic coast (Croatia) using *Mytilus galloprovincialis*. *Marine Pollution Bulletin*, 60(10), 1879-1889, 2010. [Cd; Cr; Cu; Hg; Pb; Zn; 17 PCBs; DDTs; HCHs; HCB]
- (3634) KOCAK, E.; YETILMEZSOY, K.; GONULLU, M.T.; PETEK, M. A statistical evaluation of the potential genotoxic activity in the surface waters of the Golden Horn Estuary. *Marine Pollution Bulletin*, 60(10), 1708-1717, 2010. [Water quality; Al; Cd; Cr; Cu; Fe; Mn; Pb; Zn; nutrients]
- (3635) KUHN, W.; PATSCH, J.; THOMAS, H.; BORGES, A.V.; SCHIETTECATTE, L.-S.; BOZEC, Y.; PROWE, A.E.F. Nitrogen and carbon cycling in the North Sea and exchange with the North Atlantic - a model study, Part II: carbon budget and fluxes. *Continental Shelf Research*, 30(16), 1701-1716, 2010. [Nutrients]
- (3636) LAW, R.J.; BARRY, J.; BERSUDER, P.; BARBER, J.L.; DEAVILLE, R.; REID, R.J.; JEPSON, P.D. Levels and trends of brominated diphenyl ethers in blubber of harbor porpoises (*Phocoena phocoena*) from the U.K., 1992-2008. *Environmental Science and Technology*, 44(12), 4447-4451, 2010. [PBDEs]
- (3637) LLORET, J. Human health benefits supplied by Mediterranean marine biodiversity. *Marine Pollution Bulletin*, 60(10), 1640-1646, 2010. [Review; seafood; marine drugs; anthropogenic threats]
- (3638) LOSSO, C.; NOVELLI, A.A.; DE SALVADOR, D.; GHETTI, P.F.; GHIRARDINI, A.V. Integration of biological responses from a suite of bioassays for the Venice Lagoon (Italy) through sediment toxicity index - Part A: development and comparison of two methodological approaches. *Environmental Pollution*, 158(12), 3655-3662, 2010. [Arsenic; Cd; Cr; Cu; Hg; Ni; Pb; Zn; chlorinated pesticides; PAHs; PCBs; HCB]
- (3639) MADUREIRA, T.V.; BARREIRO, J.C.; ROCHA, M.J.; ROCHA, E.; CASS, Q.B.; TIRITAN, M.E. Spatiotemporal distribution of pharmaceuticals in the Douro River estuary (Portugal). *Science of the Total Environment*, 408(22), 5513-5520, 2010. [Carbamazepine; diazepam; fenofibric acid; propranolol; sulfamethoxazole; trimethoprim]
- (3640) MAI, W.-J.; YAN, Y.-L.; WANG, L.; ZHENG, Y.; XIN, Y.; WANG, W.-N. Acute acidic exposure induces p53-mediated oxidative stress and DNA damage in tilapia (*Oreochromis niloticus*) blood cells. *Aquatic Toxicology*, 100(3), 271-281, 2010. [Brackishwater tests; pH]
- (3641) MARTINS, C.C.; BICEGO, M.C.; MAHIQUES, M.M.; FIGUEIRA, R.C.L.; TESSLER, M.G.; MONTONE, R.C. Depositional history of sedimentary linear alkylbenzenes (LABs) in a large South American industrial coastal area (Santos Estuary, Southeastern Brazil). *Environmental Pollution*, 158(11), 3355-3364, 2010.
- (3642) MCKELVEY, W.; CHANG, M.; ARNASON, J.; JEFFERY, N.; KRICHEFF, J.; KASS, D. Mercury and polychlorinated biphenyls in Asian market fish: a response to results from mercury biomonitoring in New York City. *Environmental Research*, 110(7), 650-657, 2010. [Hg; PCBs; seafood]

- (3643) MCKINNEY, R.A.; OCZKOWSKI, A.J.; PREZIOSO, J.; HYDE, K.J.W. Spatial variability of nitrogen isotope ratios of particulate material from Northwest Atlantic continental shelf waters. *Estuarine, Coastal and Shelf Science*, 89(4), 287-293, 2010. [Nutrients]
- (3644) MOLLER, A.; AHRENS, L.; SURM, R.; WESTGERVELD, J.; VAN DER WIELEN, F.; EBINGHAUS, R.; DE VOOGT, P. Distribution and sources of polyfluoroalkyl substances (PFAS) in the River Rhine watershed. *Environmental Pollution*, 158(10), 3243-3250, 2010. [40 compounds; PFOS; PFOA; PFBS; PFBA]
- (3645) MORGAN, E.J.; LOHMANN, R. Dietary uptake from historically contaminated sediments as a source of PCBs to migratory fish and invertebrates in an urban estuary. *Environmental Science and Technology*, 44(14), 5444-5449, 2010.
- (3646) MUNSCHY, C.; HEAS-MOISAN, K.; TIXIER, C.; PACEPAVICIUS, G.; ALAEE, M. Dietary exposure of juvenile common sole (*Solea solea* L.) to polybrominated diphenyl ethers (PBDEs): Part 2. Formation, bioaccumulation and elimination of hydroxylated metabolites. *Environmental Pollution*, 158(12), 3527-3533, 2010.
- (3647) MURPHY, S., (ET AL). Assessing the effect of persistent organic pollutants on reproductive activity in common dolphins and harbour porpoises. *Journal of Northwest Atlantic Fishery Science*, 42, 153-173, 2009-2010. [DDE; HBCD; PCB; PBDEs]
- (3648) NEWSOME, S.D.; PARK, J.-S.; HENRY, B.W.; HOLDEN, A.; FOGEL, M.L.; LINTHICUM, J.; CHU, V.; HOOPER, K. Polybrominated diphenyl ether (PBDE) levels in peregrine falcon (*Falco peregrinus*) eggs from California correlate with diet and human population density. *Environmental Science and Technology*, 44(13), 5248-5258, 2010.
- (3649) NIZZETTO, L., (ET AL). Past, present, and future controls on levels of persistent organic pollutants in the global environment. *Environmental Science and Technology*, 44(17), 6526-6531, 2010.
- (3650) NIZZETTO, L.; LOHMANN, R.; GIOIA, R.; DACHS, J.; JONES, K.C. Atlantic Ocean surface waters buffer declining atmospheric concentrations of persistent organic pollutants. *Environmental Science and Technology*, 44(18), 6978-6984, 2010. [PCBs; PCDDs; PCDFs]
- (3651) O'CONNELL, S.G.; ARENDT, M.; SEGARS, A.; KIMMEL, T.; BRAUN-MCNEILL, J.; AVENS, L.; SCHROEDER, B.; NGAI, L.; KUCKLICK, J.R.; KELLER, J.M. Temporal and spatial trends of perfluorinated compounds in juvenile loggerhead sea turtles (*Caretta caretta*) along the east coast of the United States. *Environmental Science and Technology*, 44(13), 5202-5209, 2010. [PFCs; 13 compounds]
- (3652) PEREIRA, P.; DE PABLO, H.; CARVALHO, S.; VALE, C.; PACHECO, M. Daily availability of nutrients and metals in a eutrophic meso-tidal coastal lagoon (Obidos lagoon, Portugal). *Marine Pollution Bulletin*, 60(10), 1868-1872, 2010. [Al; Fe; Mn; Pb; eutrophication]
- (3653) POLDER, A.; SAVINOVA, T.N.; TKACHEV, A.; LOKEN, K.B.; ODLAND, J.O.; SKAARE, J.U. Levels and patterns of Persistent Organic Pollutants (POPS) in selected food items from Northwest Russia (1998-2002) and implications for dietary exposure. *Science of the Total Environment*, 408(22), 5352-5361, 2010. [Including fish; seafood; chlordanes; DDTs; HCB; HCHs; PCBs; mirex]
- (3654) RAMOS E SILVA, C.A.; DAVALOS, P.B.; STERNBERG, L. DA S.L.; SOARES DE SOUZA, F.E.; SPYRIDES, M.H.C.; LUCIO, P.S. The influence of shrimp farms organic waste management on chemical water quality. *Estuarine, Coastal and Shelf Science*, 90(1), 55-60, 2010. [Nutrient enrichment]
- (3655) RIGOS, G.; BITCHAVA, K.; NENGAS, I. Antibacterial drugs in products originating from aquaculture: assessing the risks to public welfare. *Mediterranean Marine Science*, 11(1), 33-41, 2010. [Antibiotic resistance]

- (3656) RIOS, A.F.; VAZQUEZ-RODRIGUEZ, M.; PADIN, X.A.; PEREZ, F.F. Anthropogenic carbon dioxide in the South Atlantic western basin. *Journal of Marine Systems*, 83(1/2), 38-44, 2010. [CO₂]
- (3657) ROCHELLE-NEWALL, E.J.; MARI, X.; PRINGAULT, O. Sticking properties of transparent exopolymeric particles (TEP) during aging and biodegradation. *Journal of Plankton Research*, 32(10), 1433-1442, 2010. [Pristine site compared with polluted site; organic and inorganic nutrients]
- (3658) RUUS, A.; GREEN, N.W.; MAAGE, A.; AMUNDSEN, C.E.; SCHOYEN, M.; SKEI, J. Post World War II orcharding creates present day DDT-problems in The Sorfjord (Western Norway) - a case study. *Marine Pollution Bulletin*, 60(10), 1856-1861, 2010.
- (3659) SANDERSON, H., (ET AL). Environmental hazards of sea-dumped chemical weapons. *Environmental Science and Technology*, 44(12), 4389-4394, 2010. [Bornholm Basin]
- (3660) SHEN, P.-P.; TAN, Y.-H.; HUANG, L.-M.; ZHANG, J.-L.; YIN, J.-Q. Occurrence of brackish water phytoplankton species at a closed coral reef in Nansha Islands, South China Sea. *Marine Pollution Bulletin*, 60(10), 1718-1725, 2010. [Nutrient enrichment]
- (3661) SNOEIJIS, P.; WECKSTROM, K. Diatoms and environmental change in large brackish-water ecosystems. In: Smol, J.P.; Stoermer, E.F., (editors). *The diatoms. Applications for the environmental and earth sciences*. 2nd edition. p.287-308. Cambridge University Press, 2010. [Eutrophication; metals; radionuclides; nutrients; climate change; alien species]
- (3662) STEWART, S.C.; DICK, J.T.A.; LAMING, P.R.; GERHARDT, A. Assessment of the multispecies freshwater biomonitor (MFB) in a marine context: the green crab (*Carcinus maenas*) as an early warning indicator. *Journal of Environmental Monitoring*, 12(8), 1566-1574, 2010. [Ammonia]
- (3663) SUZUKI, K., (ET AL). Neurobehavioral effects of prenatal exposure to methylmercury and PCBs, and seafood intake: neonatal behavioral assessment scale results of Tohoku study of child development. *Environmental Research*, 110(7), 699-704, 2010. [Hg]
- (3664) THOMAS, Y.; COURTIES, C.; EL HELWE, Y.; HERBLAND, A.; LEMONNIER, H. Spatial and temporal extension of eutrophication associated with shrimp farm wastewater discharges in the New Caledonia lagoon. *Marine Pollution Bulletin*, 61(7-12), 387-398, 2010. [Nutrients enrichment; organic matter]
- (3665) TORRETON, J.-P.; ROCHELLE-NEWALL, E.; PRINGAULT, O.; JACQUET, S.; FAURE, V.; BRIAND, E. Variability of primary and bacterial production in a coral reef lagoon (New Caledonia). *Marine Pollution Bulletin*, 61(7-12), 335-348, 2010. [Pristine site compared with bay subject to urban impacts: nutrients]
- (3666) TROBAJO, R.; SULLIVAN, M.J. Applied diatom studies in estuaries and shallow coastal environments. In: Smol, J.P.; Stoermer, E.F., (editors). *The diatoms. Applications for the environmental and earth sciences*. 2nd edition. p.309-323. Cambridge University Press, 2010. [Eutrophication; nutrients; pollution]
- (3667) TURNER, A.; RICE, L. Toxicity of tire wear particle leachate to the marine macroalga, *Ulva lactuca*. *Environmental Pollution*, 158(12), 3650-3654, 2010. [Zn]
- (3668) UKWE, C.N.; IBE, C.A. A regional collaborative approach in transboundary pollution management in the guinea current region of western Africa. *Ocean and Coastal Management*, 53(9), 493-506, 2010. [Review; domestic sewage; DDTs; PCB; oil and gas production; industrial pollution; agricultural pollution]
- (3669) VIZCAINO, P.; PISTOCCHI, A. A GIS model-based assessment of the environmental distribution of gamma-hexachlorocyclohexane in European soils and waters. *Environmental Pollution*, 158(10), 3017-3027, 2010. [Review; lindane; HCH]

- (3670) WANG, F.; MACDONALD, R.W.; STERN, G.A.; OUTRIDGE, P.M. When noise becomes the signal: chemical contamination of aquatic ecosystems under a changing climate. *Marine Pollution Bulletin*, 60(10), 1633-1635, 2010.
- (3671) WANG, J.; PANT, H.K. Phosphorus sorption characteristics of the Bronx River bed sediments. *Chemical Speciation and Bioavailability*, 22(3), 171-181, 2010. [Nutrients; water quality]
- (3672) WANG, Z.-H.; YANG, Y.-F.; YUE, W.-J.; KANG, W.; LIANG, W.-J.; LI, W.-J. The growth behavior of three marine phytoplankton species in the presence of commercial cypermethrin. *Ecotoxicology and Environmental Safety*, 73(6), 1408-1414, 2010.
- (3673) WEIJS, L.; YANG, R.S.H.; COVACI, A.; DAS, K.; BLUST, R. Physiologically based pharmacokinetic (PBPK) models for lifetime exposure to PCB 153 in male and female harbor porpoises (*Phocoena phocoena*): model development and evaluation. *Environmental Science and Technology*, 44(18), 7023-7030, 2010.
- (3674) YAO, P.; YU, Z.; DENG, C.; LIU, S.; ZHEN, Y. Spatial-temporal distribution of phytoplankton pigments in relation to nutrient status in Jiaozhou Bay, China. *Estuarine, Coastal and Shelf Science*, 89(3), 234-244, 2010.
- (3675) YOGUI, G.T.; SANTOS, M.C.O.; BERTOZZI, C.P.; MONTONE, R.C. Levels of persistent organic pollutants and residual pattern of DDTs in small cetaceans from the coast of Sao Paulo, Brazil. *Marine Pollution Bulletin*, 60(10), 1862-1867, 2010. [DDTs; HCHs; chlordanes; HCB; mirex; PCBs]
- (3676) YORDY, J.E.; WELLS, R.S.; BALMER, B.C.; SCHWACKE, L.H.; ROWLES, T.K.; KUCKLICK, J.R. Partitioning of persistent organic pollutants between blubber and blood of wild bottlenose dolphins: implications for biomonitoring and health. *Environmental Science and Technology*, 44(12), 4789-4795, 2010. [PBDEs; PCBs; chlordanes; DDTs; HCB; mirex; organochlorine pesticides]
- (3677) YOUNSI, M.; DAAS, T.; DAAS, O.; SCAPS, P. Polychaetes of commercial interest from the Mediterranean East Coast of Algeria. *Mediterranean Marine Science*, 11(1), 185-188, 2010. [Harvesting methods; bleach; Mn]
- (3678) YUAN, B.; LIU, Y.; SHAO, M.; LU, S.; STREETS, D.G. Biomass burning contributions to ambient VOCs species at a receptor site in the Pearl River Delta (PRD), China. *Environmental Science and Technology*, 44(12), 4577-4582, 2010.
- (3679) ZARFL, C.; MATTHIES, M. Are marine plastic particles transport vectors for organic pollutants to the Arctic? *Marine Pollution Bulletin*, 60(10), 1810-1814, 2010. [DDE; nonylphenol; PAH; PBDE; PCB]

Section 6: Biological Wastes

- (3680) BAKER, D.M.; JORDAN-DAHLGREN, E.; MALDONADO, M.A.; HARVELL, C.D. Sea fan corals provide a stable isotope baseline for assessing sewage pollution in the Mexican Caribbean. *Limnology and Oceanography*, 55(5), 2139-2149, 2010.
- (3681) BOUWMAN, L.; HARRISON, J.; SEITZINGER, S.; MAYORGA, E. Linking watersheds to coastal marine ecosystems; global nutrient river export trajectories 1970-2050. *LOICZ Inprint*, 2, 5-13, 2010. [NEWS; eutrophication]
- (3682) COSTA, T.L.; O'HARA, T.D.; KEOUGH, M.J. Measures of taxonomic distinctness do not reliably assess anthropogenic impacts on intertidal mollusc communities. *Marine Ecology Progress Series*, 413, 81-93, 2010. [Sewage discharge; trampling]
- (3683) EDGAR, G.J.; DAVEY, A.; SHEPHERD, C. Application of biotic and abiotic indicators for detecting benthic impacts of marine salmonid farming among coastal regions of Tasmania. *Aquaculture*, 307(3-4), 212-218, 2010. [Organic enrichment; introduced species]
- (3684) FICHEZ, R.; CHIFFLET, S.; DOUILLET, P.; GERARD, P.; GUTIERREZ, F.; JOUON, A.; OUILLO, S.; GRENZ, C. Biogeochemical typology and temporal variability of lagoon waters in a coral reef ecosystem subject to terrigenous and anthropogenic inputs (New Caledonia). *Marine Pollution Bulletin*, 61(7-12), 309-322, 2010. [Eutrophication; nutrients; particulate organic matter]
- (3685) FIGUEROA, F.L.; ISRAEL, A.; NEORI, A.; MARTINEZ, B.; MALTA, E.J.; PUT, A.; INKEN, S.; MARQUARDT, R.; ABDALA, R.; KORBEE, N. Effect of nutrient supply on photosynthesis and pigmentation to short-term stress (UV radiation) in *Gracilaria conferta* (Rhodophyta). *Marine Pollution Bulletin*, 60(10), 1768-1778, 2010. [Fishpond effluent]
- (3686) FITCH, J.E.; CROWE, T.P. Effective methods for assessing ecological quality in intertidal soft-sediment habitats. *Marine Pollution Bulletin*, 60(10), 1726-1733, 2010. [Nutrient enrichment; organic enrichment; west coast of Ireland; Mweenish; Casla; Rusheen; Mutton Island; Oranmore; Tawin; Finavara; Tarbert; Barrow; Tralee]
- (3687) FONTANA, L.F.; FILHO, J.G.M.; NETTO, A.D.P.; SABADINI-SANTOS, E.; DE FIGUEIREDO, A.G., JR.; CRAPEZ, M.A.C. Geomicrobiology of cores from Surui Mangrove - Guanabara Bay - Brazil. *Marine Pollution Bulletin*, 60(10), 1674-1681, 2010. [Eutrophication]
- (3688) FOSTER, M.S.; SCHIEL, D.R. Loss of predators and the collapse of southern California kelp forests (?): alternatives, explanations and generalizations. *Journal of Experimental Marine Biology and Ecology*, 393(1/2), 59-70, 2010. [Water quality; sewage; sedimentation]
- (3689) HEISTERKAMP, I.M.; SCHRAMM, A.; DE BEER, D.; STIEF, P. Nitrous oxide production associated with coastal marine invertebrates. *Marine Ecology Progress Series*, 415, 1-9, 2010. [German Wadden Sea; Aarhus Bay; aquaculture]
- (3690) HEWITT, J.E.; THRUSH, S.F. Empirical evidence of an approaching alternate state produced by intrinsic community dynamics, climatic variability and management actions. *Marine Ecology Progress Series*, 413, 267-276, 2010. [Sewage disposal; nutrients; climate change]
- (3691) IRIBARREN, D.; VAZQUEZ-ROWE, I.; HOSPIDO, A.; MOREIRA, M.T.; FEIJOO, G. Estimation of the carbon footprint of the Galician fishing activity (NW Spain). *Science of the Total Environment*, 408(22), 5284-5294, 2010.
- (3692) LIMA, E.; LEGEY, L.F.L. Water quality restoration in Rio de Janeiro: from a piecemeal to a systems approach. *Journal of Environment and Development*, 19(3), 375-396, 2010.

- (3693) LOONEY E.E.; SUTHERLAND, K.P.; LIPP, E.K. Effects of temperature, nutrients, organic matter and coral mucus on the survival of the coral pathogen, *Serratia marcescens* PDL100. *Environmental Microbiology*, 12(9), 2479-2485, 2010. [Enteric bacterium]
- (3694) LOVE, D.C.; SILVERMAN, A.; NELSON, K.L. Human virus and bacteriophage inactivation in clear water by simulated sunlight compared to bacteriophage inactivation at a southern California beach. *Environmental Science and Technology*, 44(18), 6965-6970, 2010.
- (3695) MCKINNEY, R.A.; OCZKOWSKI, A.J.; PREZIOSO, J.; HYDE, K.J.W. Spatial variability of nitrogen isotope ratios of particulate material from Northwest Atlantic continental shelf waters. *Estuarine, Coastal and Shelf Science*, 89(4), 287-293, 2010. [Nutrients]
- (3696) MILLER, T.W.; OMORI, K.; HAMAOKA, H.; SHIBATA, J.-Y.; HIDEJIRO, O. Tracing anthropogenic inputs to production in the Seto Inland Sea, Japan - a stable isotope approach. *Marine Pollution Bulletin*, 60(10), 1803-1809, 2010. [Eutrophication; particulate organic matter (POM)]
- (3697) RAMOS E SILVA, C.A.; DAVALOS, P.B.; STERNBERG, L. DA S.L.; SOARES DE SOUZA, F.E.; SPYRIDES, M.H.C.; LUCIO, P.S. The influence of shrimp farms organic waste management on chemical water quality. *Estuarine, Coastal and Shelf Science*, 90(1), 55-60, 2010. [Nutrient enrichment]
- (3698) ROCHELLE-NEWALL, E.J.; MARI, X.; PRINGAULT, O. Sticking properties of transparent exopolymeric particles (TEP) during aging and biodegradation. *Journal of Plankton Research*, 32(10), 1433-1442, 2010. [Pristine site compared with polluted site; organic and inorganic nutrients]
- (3699) SAMPAIO, L.; RODRIGUES, A.M.; QUINTINO, V. Carbon and nitrogen stable isotopes in coastal benthic populations under multiple organic enrichment sources. *Marine Pollution Bulletin*, 60(10), 1790-1802, 2010. [Sewage]
- (3700) THOMAS, Y.; COURTIES, C.; EL HELWE, Y.; HERBLAND, A.; LEMONNIER, H. Spatial and temporal extension of eutrophication associated with shrimp farm wastewater discharges in the New Caledonia lagoon. *Marine Pollution Bulletin*, 61(7-12), 387-398, 2010. [Nutrients enrichment; organic matter]
- (3701) UKWE, C.N.; IBE, C.A. A regional collaborative approach in transboundary pollution management in the guinea current region of western Africa. *Ocean and Coastal Management*, 53(9), 493-506, 2010. [Review; domestic sewage; DDTs; PCB; oil and gas production; industrial pollution; agricultural pollution]
- (3702) WHITMAN, R.L., (ET AL). Relationship and variation of qPCR and culturable enterococci estimates in ambient surface waters are predictable. *Environmental Science and Technology*, 44(13), 5049-5054, 2010. [Faecal indicator bacteria]

Section 7: Heat

(3703) BLAKE, R.E.; DUFFY, J.E. Grazer diversity affects resistance to multiple stressors in an experimental seagrass ecosystem. *Oikos*, 119(10), 1625-1635, 2010. [Temperature stress; freshwater inputs]

(3704) COTTIN, D.; SHILLITO, B.; CHERTEMPS, T.; THATJE, S.; LEGER, N.; RAVAUX, J. Comparison of heat-shock responses between the hydrothermal vent shrimp *Rimicaris exoculata* and the related coastal shrimp *Palaemonetes varians*. *Journal of Experimental Marine Biology and Ecology*, 393(1/2), 9-16, 2010. [Heat stress]

(3705) NEWTON, J.R.; SMITH-KEUNE, C.; JERRY, D.R. Thermal tolerance varies in tropical and sub-tropical populations of barramundi (*Lates calcarifer*) consistent with local adaptation. *Aquaculture*, 308 (Supplement 1), S128-S132, 2010.

(3706) SAKAMOTO, K.; MIYAZAKI, A.; TANIGUCHI, N. Thermal tolerance traits of redfin velvetfish *Paracentropogon rubripinnis* evaluated using their caudal fin cells. *Aquaculture*, 308 (Supplement 1), S124-S127, 2010.

(3707) STUDER, A.; THIELTGES, D.W.; POULIN, R. Parasites and global warming: net effects of temperature on an intertidal host-parasite system. *Marine Ecology Progress Series*, 415, 11-22, 2010. [Climate change]

(3708) VISUDTIPHOLE, V.; WATTHANASUROROT, A.; KLINBUNGA, S.; MENASVETA, P.; KIRTIKARA, K. Molecular characterization of Calreticulin: a biomarker for temperature stress responses of the giant tiger shrimp *Penaeus monodon*. *Aquaculture*, 308 (Supplement 1), S100-S108, 2010.

(3709) WILLETT, C.S. Potential fitness trade-offs for thermal tolerance in the intertidal copepod *Tigriopus californicus*. *Evolution*, 64(9), 2521-2534, 2010. [Thermal stress]

Section 8: Solids

- (3710) ABLE, K.W.; DOBARRO, J.; MUZENI-CORINO, A.M. An evaluation of boat basin dredging effects: response of fishes and crabs in a New Jersey estuary. *North American Journal of Fisheries Management*, 30(4), 1001-1015, 2010. [Short-term effects were negligible]
- (3711) CANESI, L.; FABBRI, R.; GALLO, G.; VALLOTTO, D.; MARCOMINI, A.; POJANO, G. Biomarkers in *Mytilus galloprovincialis* exposed to suspensions of selected nanoparticles (Nano carbon black, C60 fullerene, Nano-TiO₂, Nano-SiO₂). *Aquatic Toxicology*, 100(2), 168-177, 2010.
- (3712) CORDEIRO, C.A.M.M.; COSTA, T.M. Evaluation of solid residues removed from a mangrove swamp in the Sao Vicente Estuary, SP, Brazil. *Marine Pollution Bulletin*, 60(10), 1762-1767, 2010. [Plastics; wood; debris; glass]
- (3713) DUMAS, P.; PRINTEMPS, J.; MANGEAS, M.; LUNEAU, G. Developing erosion models for integrated coastal zone management: a case study of The New Caledonia west coast. *Marine Pollution Bulletin*, 61(7-12), 519-529, 2010. [Mining; industry; forest fires; sediment input]
- (3714) FOSTER, M.S.; SCHIEL, D.R. Loss of predators and the collapse of southern California kelp forests (?): alternatives, explanations and generalizations. *Journal of Experimental Marine Biology and Ecology*, 393(1/2), 59-70, 2010. [Water quality; sewage; sedimentation]
- (3715) HOGG, M.M.; TENDAL, O.S.; CONWAY, K.W.; POMPONI, S.A.; VAN SOEST, R.W.M.; GUTT, J.; KRAUTTER, M.; ROBERTS, J.M. Deep-sea sponge grounds: reservoirs of biodiversity. 84p. Cambridge, UK: UNEP-WCMC, 2010. (UNEP-WCMC Biodiversity Series No.32) [Anthropogenic threats; waste disposal; dumping; mining; cable and pipeline placement; hydrocarbon exploitation; trawling; climate change]
Available at: http://www.unep-wcmc.org/resources/publications/UNEP_WCMC_bio_series/32.aspx.
- (3716) KADAR, E.; SIMMANCE, F.; MARTIN, O.; VOULVOULIS, N.; WIDDICOMBE, S.; MITOV, S.; LEAD, J.R.; READMAN, J.W. The influence of engineered Fe₂O₃ nanoparticles and soluble (FeCl₃) iron on the developmental toxicity caused by CO₂-induced seawater acidification. *Environmental Pollution*, 158(12), 3490-3497, 2010. [Ocean acidification; pH; Fe]
- (3717) MORET-FERGUSON, S.; LAW, K.L.; PROSKUROWSKI, G.; MURPHY, E.K.; PEACOCK, E.E.; REDDY, C.M. The size, mass, and composition of plastic debris in the western North Atlantic Ocean. *Marine Pollution Bulletin*, 60(10), 1873-1878, 2010.
- (3718) OUIILLON, S., (ET AL). Circulation and suspended sediment transport in a coral reef lagoon: the south-west lagoon of New Caledonia. *Marine Pollution Bulletin*, 61(7-12), 269-296, 2010. [Mining; soil erosion; residence time; modelling]
- (3719) PALMER S.E.; PERRY, C.T.; SMITHERS, S.G.; GULLIVER, P. Internal structure and accretionary history of a nearshore, turbid-zone coral reef: Paluma Shoals, central Great Barrier Reef, Australia. *Marine Geology*, 276(1-4), 14-29, 2010. [Turbidity; sedimentation]
- (3720) PETOSA, A.R.; JAISI, D.P.; QUEVEDO, I.R.; ELIMELECH, M.; TUFENKJI, N. Aggregation and deposition of engineered nanomaterials in aquatic environments: role of physicochemical interactions. *Environmental Science and Technology*, 44(17), 6532-6549, 2010. [Review]
- (3721) PROUTY, N.G.; FIELD, M.E.; STOCK, J.D.; JUPITER, S.D.; MCCULLOCH, M. Coral Ba/Ca records of sediment input to the fringing reef of the southshore of Moloka'i, Hawai'i over the last several decades. *Marine Pollution Bulletin*, 60(10), 1822-1835, 2010. [Sediment loading; landuse change]
- (3722) SCHLENK, D.; NIKINMAA, M., (EDITORS). Special Issue. Aquatic toxicology of nanomaterials. *Aquatic Toxicology*, 100(2), 139-228, 2010.

(3723) TEDESCO, S.; DOYLE, H.; BLASCO, J.; REDMOND, G.; SHEEHAN, D. Oxidative stress and toxicity of gold nanoparticles in *Mytilus edulis*. *Aquatic Toxicology*, 100(2), 178-186, 2010. [Au]

(3724) WEI, L.; THAKKAR, M.; CHEN, Y.; NTIM, S.A.; MITRA, S.; ZHANG, X. Cytotoxicity effects of water dispersible oxidized multiwalled carbon nanotubes on marine alga, *Dunaliella tertiolecta*. *Aquatic Toxicology*, 100(2), 194-201, 2010.

(3725) YOUNG, M.; ADAMS, N.J. Plastic debris and seabird presence in the Hauraki Gulf, New Zealand. *New Zealand Journal of Marine and Freshwater Research*, 44(3), 167-175, 2010.

(3726) ZARFL, C.; MATTHIES, M. Are marine plastic particles transport vectors for organic pollutants to the Arctic? *Marine Pollution Bulletin*, 60(10), 1810-1814, 2010. [DDE; nonylphenol; PAH; PBDE; PCB]

Section 9: Physical Disturbance

- (3727) ABLE, K.W.; DOBARRO, J.; MUZENI-CORINO, A.M. An evaluation of boat basin dredging effects: response of fishes and crabs in a New Jersey estuary. *North American Journal of Fisheries Management*, 30(4), 1001-1015, 2010. [Short-term effects were negligible]
- (3728) BERTOCCI, I.; ARENAS, F.; MATIAS, M.; VASELLI, S.; ARAUJO, R.; ABREU, H.; PEREIRA, R.; VIEIRA, R.; SOUSA-PINTO, I. Canopy-forming species mediate the effects of disturbance on macroalgal assemblages on Portuguese rocky shores. *Marine Ecology Progress Series*, 414, 107-116, 2010. [Multiple stressors]
- (3729) CAPASSO, E.; JENKINS, S.R.; FROST, M.; HINZ, H. Investigation of benthic community change over a century-wide scale in the western English Channel. *Journal of the Marine Biological Association of the United Kingdom*, 90(6), 1161-1172, 2010. [West of Eddystone Reef]
- (3730) CLUA, E.; BURAY, N.; LEGENDRE, P.; MOURIER, J.; PLANES, S. Behavioural response of sicklefin lemon sharks *Negaprion acutidens* to underwater feeding for ecotourism purposes. *Marine Ecology Progress Series*, 414, 257-266, 2010.
- (3731) COSTA, T.L.; O'HARA, T.D.; KEOUGH, M.J. Measures of taxonomic distinctness do not reliably assess anthropogenic impacts on intertidal mollusc communities. *Marine Ecology Progress Series*, 413, 81-93, 2010. [Sewage discharge; trampling]
- (3732) FOLEY, N.S.; VAN RENSBURG, T.M.; ARMSTRONG, C.W. The ecological and economic value of cold-water coral ecosystems. *Ocean and Coastal Management*, 53(7), 313-326, 2010. [Review; including anthropogenic disturbances; trawling]
- (3733) HOGG, M.M.; TENDAL, O.S.; CONWAY, K.W.; POMPONI, S.A.; VAN SOEST, R.W.M.; GUTT, J.; KRAUTTER, M.; ROBERTS, J.M. Deep-sea sponge grounds: reservoirs of biodiversity. 84p. Cambridge, UK: UNEP-WCMC, 2010. (UNEP-WCMC Biodiversity Series No.32) [Anthropogenic threats; waste disposal; dumping; mining; cable and pipeline placement; hydrocarbon exploitation; trawling; climate change]
Available at: http://www.unep-wcmc.org/resources/publications/UNEP_WCMC_bio_series/32.aspx.
- (3734) LE BOT, S.; LAFITE, R.; FOURNIER, M.; BALTZER, A.; DESPREZ, M. Morphological and sedimentary impacts and recovery on a mixed sandy to pebbly seabed exposed to marine aggregate extraction (Eastern English Channel, France). *Estuarine, Coastal and Shelf Science*, 89(3), 221-233, 2010. [Normandy]
- (3735) LUNDQUIST, C.J.; THRUSH, S.F.; COCO, G.; HEWITT, J.E. Interactions between disturbance and dispersal reduce persistence thresholds in a benthic community. *Marine Ecology Progress Series*, 413, 217-228, 2010.
- (3736) PILLAY, D.; BRANCH, G.M.; GRIFFITHS, C.L.; WILLIAMS, C.; PRINSLOO, A. Ecosystem change in a South African marine reserve (1960-2009): role of seagrass loss and anthropogenic disturbance. *Marine Ecology Progress Series*, 415, 35-48, 2010. [Dredging; eutrophication; trampling; bait collecting; habitat loss]
- (3737) POONIAN, C.; DAVIS, P.Z.R.; MCNAUGHTON, C.K. Impacts of recreational divers on Palauan coral reefs and options for management. *Pacific Science*, 64(4), 557-565, 2010.
- (3738) SEMENIUK, C.A.D.; HAIDER, W.; COOPER, A.; ROTHLEY, K.D. A linked model of animal ecology and human behavior for the management of wildlife tourism. *Ecological Modelling*, 221(22), 2699-2713, 2010. [Stingray]

(3739) WESLAWSKI, J.M.; URBANSKI, J.; KRYLA-STASZEWSKA, L.; ANDRULEWICZ, E.; LINKOWSKI, T.; KUZEBSKI, E.; MEISSNER, W.; OTREMBA, Z.; PIWOWARCZYK, J. The different uses of sea space in Polish Marine Areas: is conflict inevitable? *Oceanologia*, 52(3), 513-530, 2010. [Fishing exploitation; sand and gravel extraction; gas extraction; recreation; navigation routes]

(3740) WORK, P.A.; SAPP, A.L.; SCOTT, D.W.; DODD, M.G. Influence of small vessel operation and propulsion system on loggerhead sea turtle injuries. *Journal of Experimental Marine Biology and Ecology*, 393(1/2), 168-175, 2010.

Section 10: Non-indigenous Species

- (3741) AKCA, N.; BILECENOGLU, M. Northernmost occurrence of *Hemiramphus far* (Actinopterygii: Hemiramphidae) in the Aegean Sea. *Mediterranean Marine Science*, 11(1), 173-175, 2010.
- (3742) BACCI, T.; MARUSSO, V.; TRABUCCO, B.; MAGALETTI, E. First record of *Synalpheus tumidomanus africanus* (Crosnier & Forest, 1965) (Caridea, Alpheidae) in Italian waters. *Crustaceana*, 83(7), 821-827, 2010.
- (3743) BEN-SHLOMO, R.; REEM, E.; DOUEK, J.; RINKEVICH, B. Population genetics of the invasive ascidian *Botryllus schlosseri* from South American coasts. *Marine Ecology Progress Series*, 412, 85-92, 2010.
- (3744) BENINGER, P.G.; VALDIZAN, A.; DECOTTIGNIES, P.; COGNIE, B. Corrigendum to "Field reproductive dynamics of the invasive slipper limpet, *Crepidula fornicata*". [*J. Exp. Mar. Biol. Ecol.* 390 (2010) 179-187]. *Journal of Experimental Marine Biology and Ecology*, 393(1/2), 193-194, 2010.
- (3745) BOX, A.; SUREDA, A.; TAULER, P.; TERRADOS, J.; MARBA, N.; PONS, A.; DEUDERO, S. Seasonality of caulerpenyne content in native *Caulerpa prolifera* and invasive *C. taxifolia* and *C. racemosa* var. *cylindracea* in the western Mediterranean Sea. *Botanica Marina*, 53(4), 367-375, 2010.
- (3746) BRIGGS, J.C. Marine biology: the role of accommodation in shaping marine biodiversity. *Marine Biology*, 157(10), 2117-2126, 2010. [Invasions; Suez Canal; Wadden Sea]
- (3747) CACABELOS, E.; OLABARRIA, C.; INCERA, M.; TRONCOSO, J.S. Do grazers prefer invasive seaweeds? *Journal of Experimental Marine Biology and Ecology*, 393(1/2), 182-187, 2010. [*Sargassum muticum*]
- (3748) CHEBBI, N.; MASTROTOTARO, F.; MISSAOUI, H. Spatial distribution of ascidians in two Tunisian lagoons of the Mediterranean Sea. *Cahiers de Biologie Marine*, 51(2), 117-127, 2010. [Environmental degradation]
- (3749) CRAIG, M.T. Pattern versus process: broadening the view of marine invasive species. *Marine Biology*, 157(10), 2127-2128, 2010.
- (3750) CURADO, G.; RUBIO-CASAL, A.E.; FIGUEROA, E.; CASTILLO, J.M. Germination and establishment of the invasive cordgrass *Spartina densiflora* in acidic and metal polluted sediments of the Tinto River. *Marine Pollution Bulletin*, 60(10), 1842-1848, 2010. [Mine pollution; pH; Al; arsenic; Cd; Cr; Cu; Fe; Ni; Pb; Zn]
- (3751) DENITTO, F.; PASTORE, M.; BELMONTE, G. Occurrence of the Guinean species *Herbstia nitida* Manning & Holthuis, 1981 (Decapoda, Brachyura) in a Mediterranean submarine cave and a comparison with the congeneric *H. condyliata* (Fabricius, 1787). *Crustaceana*, 83(8), 1017-1024, 2010.
- (3752) EDGAR, G.J.; DAVEY, A.; SHEPHERD, C. Application of biotic and abiotic indicators for detecting benthic impacts of marine salmonid farming among coastal regions of Tasmania. *Aquaculture*, 307(3-4), 212-218, 2010. [Organic enrichment; introduced species]
- (3753) HAZELTON, E.L.G.; KNIGHT, T.J.; THEODOSE, T.A. Glutamine synthetase partitioning in native and introduced salt marsh grasses. *Marine Ecology Progress Series*, 414, 57-64, 2010.
- (3754) HISCOCK, K. Rocky shores of Lundy, sixty years on: the records of L.A. Harvey and initial comparisons. *Journal of the Lundy Field Society*, 1, 7-20, 2008.

(3755) HOFMANN, L.C.; NETTLETON, J.C.; NEEFUS, C.D.; MATHIESON, A.C. Cryptic diversity of *Ulva* (Ulvales, Chlorophyta) in the Great Bay Estuarine System (Atlantic USA): introduced and indigenous distromatic species. *European Journal of Phycology*, 45(3), 230-239, 2010.

(3756) KOUKOUSIOURA, O.; DIMIZA, M.D.; TRIANTAPHYLLOU, M.V. Alien foraminifers from Greek coastal areas (Aegean Sea, Eastern Mediterranean). *Mediterranean Marine Science*, 11(1), 155-172, 2010.

(3757) MUNGUIA, P.; OSMAN, R.W.; HAMILTON, J.; WHITLATCH, R.B.; ZAJAC, R.N. Modeling of priority effects and species dominance in Long Island Sound benthic communities. *Marine Ecology Progress Series*, 413, 229-240, 2010. [Invasive species; climate change]

(3758) OLENINA, I.; WASMUND, N.; HAJDU, S.; JURGENSONE, I.; GROMISZ, S.; KOWNACKA, J.; TOMING, K.; VAICIUTE, D.; OLENIN, S. Assessing impacts of invasive phytoplankton: the Baltic Sea case. *Marine Pollution Bulletin*, 60(10), 1691-1700, 2010.

(3759) OSMAN, R.W.; MUNGUIA, P.; WHITLATCH, R.B.; ZAJAC, R.N.; HAMILTON, J. Thresholds and multiple community states in marine fouling communities: integrating natural history with management strategies. *Marine Ecology Progress Series*, 413, 277-289, 2010. [Invasive species; climate change]

(3760) PANCUCCI-PAPADOPOULOU, M.A.; CORSINI-FOKA, M.; NALETAKI, M. *Macrophthalmus graeffei* A. Milne Edwards, 1873 (Crustacea: Brachyura: Macrophthalmidae): a new Indo-Pacific guest off Rhodes Island (SE Aegean Sea, Greece). *Mediterranean Marine Science*, 11(1), 195-200, 2010.

(3761) PAUL-PONT, I.; DE MONTAUDOUIN, X.; GONZALEZ, P.; JUDE, F.; RAYMOND, N.; PAILLARD, C.; BAUDRIMONT, M. Interactive effects of metal contamination and pathogenic organisms on the introduced marine bivalve *Ruditapes philippinarum* in European populations. *Environmental Pollution*, 158(11), 3401-3410, 2010. [Cd; metallothionein]

(3762) QIN, H.; CHU, T.; XU, W.; LEI, G.; CHEN, Z.; QUAN, W.; CHEN, J.; WU, J. Effects of invasive cordgrass on crab distributions and diets in a Chinese salt marsh. *Marine Ecology Progress Series*, 415, 177-187, 2010.

(3763) SAIZ-SALINAS, J.I.; AMOUROUX, J.-M. First record of the genus *Arhynchite* (Echiura) in the Mediterranean Sea. *Vie et Milieu*, 60(1), 47-51, 2010. [Possibly introduced species]

(3764) SIMONINI, R.; GRANDI, V.; MASSAMBRA-N'SIALA, G.; PIA MARTINO, M.; CASTELLI, A.; PREVEDELLI, D. Diversity, habitat affinities and diet of *Ophryotrocha* species (Polychaeta, Dorvilleidae) living in Mediterranean harbour habitats. *Vie et Milieu*, 60(1), 27-38, 2010. [Boat traffic; climate; fouling assemblages]

(3765) SNOEIJIS, P.; WECKSTROM, K. Diatoms and environmental change in large brackish-water ecosystems. In: Smol, J.P.; Stoermer, E.F., (editors). *The diatoms. Applications for the environmental and earth sciences*. 2nd edition. p.287-308. Cambridge University Press, 2010. [Eutrophication; metals; radionuclides; nutrients; climate change; alien species]

(3766) SOUSA, R. *Corbicula fluminea* as ecosystem engineer: functional importance. *Bulletin of the Malacological Society of London*, (55), 8-9, 2010.

(3767) SUTHERLAND, W.J., (ET AL). The identification of priority policy options for UK nature conservation. *Journal of Applied Ecology*, 47(5), 955-965, 2010. [Review]

(3768) TARIS, N.; COMTET, T.; STOLBA, R.; LASBLEIZ, R.; PECHENIK, J.A.; VIARD, F. Experimental induction of larval metamorphosis by a naturally-produced halogenated compound (dibromomethane) in the invasive mollusc *Crepidula fornicata* (L.). *Journal of Experimental Marine Biology and Ecology*, 393(1/2), 71-77, 2010.

- (3769) TSIAMIS, K.; BELLOU, N. *Apoglossum gregarium* (Delesseriaceae, Rhodophyta) from Greece: a new record for the eastern Mediterranean Sea. *Botanica Marina*, 53(4), 313-317, 2010.
- (3770) TSIAMIS, K.; MONTESANTO, B.; PANAYOTIDIS, P.; KATSAROS, C.; VERLAQUE, M. Updated records and range expansion of alien marine macrophytes in Greece (2009). *Mediterranean Marine Science*, 11(1), 61-79, 2010.
- (3771) YOKOYAMA, H.; DAGLI, E.; CINAR, M.E. First record of *Paraprionospio coora* Wilson, 1990 (Polychaeta: Spionidae) from the Mediterranean Sea. *Mediterranean Marine Science*, 11(1), 133-141, 2010. [Alien status not yet demonstrated]
- (3772) ZABIN, C.J.; OBERNOLTE, R.; MACKIE, J.A.; GENTRY, J.; HARRIS, L.; GELLER, J. A non-native bryozoan creates novel substrate on the mudflats in San Francisco Bay. *Marine Ecology Progress Series*, 412, 129-139, 2010. [Bryoliths; numerous invasive species identified]
- (3773) ZENETOS, A.; OVALIS, P.; CEVIKER, D. On some Indo-Pacific boring endolithic *Bivalvia* species introduced into the Mediterranean Sea with their host - spread of *Sphenia rueppelli* A. Adams, 1850. *Mediterranean Marine Science*, 11(1), 201-207, 2010.