

ISSN 1742-7614 (online)

Marine Pollution Research Titles

Vol. 37 No. 1 January 2010

Marine Pollution Research Titles

CONTENTS

General	1
Petroleum Hydrocarbons	8
Metals	10
Radioactivity	14
Other Chemicals	15
Biological Wastes	24
Heat	26
Solids	27
Physical Disturbance	29
Non-indigenous Species	32

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

(0001) AFLI, A.; CHAKROUN, R.; AYARI, R.; AISSA, P. Seasonal and spatial variability of the community and trophic structure of the benthic macrofauna within Tunisian lagoonal and marine coastal areas (southwestern Mediterranean). *Journal of Coastal Research*, 25(6), 1198-1209, 2009. [Anthropogenic impact]

(0002) AIKMAN, F., III; VINCENT, M.; PATCHEN, R. Development and evolution of operational forecast systems for the coastal and estuarine environment in NOAA's National Ocean Service. In: Spaulding, M.L., (editor). *Estuarine and coastal modeling. Proceedings of the Tenth International Conference, November 5-7, 2007 Newport, Rhode Island, sponsored by University of Rhode Island.* p.671-684. Virginia: American Society of Civil Engineers, 2008.

(0003) ALBERTSON, S.; FOX, B.; MERIWETHER, F.; NEWTON, J. A dye, current meter, and modeling study in South Puget Sound - a highly refluxed semi-enclosed estuary. In: Spaulding, M.L., (editor). *Estuarine and coastal modeling. Proceedings of the Tenth International Conference, November 5-7, 2007 Newport, Rhode Island, sponsored by University of Rhode Island.* p.1035-1052. Virginia: American Society of Civil Engineers, 2008. [Wastewater treatment plant effluent; shellfisheries]

(0004) AMBROGI, A.O.; FORNI, G.; SILVESTRI, C. The Mediterranean intercalibration exercise on soft-bottom benthic invertebrates with special emphasis on the Italian situation. *Marine Ecology*, 30(4), 495-504, 2009. [Water Framework Directive]

(0005) AREGA, F.; ARMSTRONG, S.; BADR, A.W. Hydrodynamic and environmental impact of Edisto Beach Causeway on the Scott Creek estuary, South Carolina. In: Spaulding, M.L., (editor). *Estuarine and coastal modeling. Proceedings of the Tenth International Conference, November 5-7, 2007 Newport, Rhode Island, sponsored by University of Rhode Island.* p.186-202. Virginia: American Society of Civil Engineers, 2008.

(0006) ASMAH, R.; DANKWA, H.; BINEY, C.A.; AMANKWAH, C.C. Trends analysis relating to pollution in Sakumo Lagoon, Ghana. *African Journal of Aquatic Science*, 33(1), 87-93, 2008.

(0007) ASNAGHI, V.; CHIANTORE, M.; BERLOLOTTO, R.-M.; PARRAVICINI, V.; CATTANEO-VIETTI, R.; GAINO, F.; MORETTO, P.; PRIVITERA, D.; MANGIALAJO, L. Implementation of the European Water Framework Directive: natural variability associated with the CARLIT method on the rocky shores of the Ligurian Sea (Italy). *Marine Ecology*, 30(4), 505-513, 2009.

(0008) BACCI, T.; TRABUCCO, B.; MARZIALETTI, S.; MARUSSO, V.; LOMIRI, S.; VANI, D.; LAMBERTI, C.V. Taxonomic sufficiency in two case studies: where does it work better? *Marine Ecology*, 30(Issue s1), 13-19, 2009. [Anthropogenic impact; off-shore gas platform; fishing activity]

(0009) BELOGUROVA, L.S.; ZVYAGINTSEV, A.YU. Dynamics of meio- and macrofauna in fouling of experimental plates under conditions of chronic anthropogenic pollution (Golden Horn Bay, Japan Sea). [In Russian with English summary]. *Izvestiya TINRO*, 144, 331-350, 2006.

(0010) BENFER, N.P.; KING, B.A.; LEMCKERT, C.J.; ZIGIC, S. Modelling the effect of flow structures on canal system residence time. In: Spaulding, M.L., (editor). *Estuarine and coastal modeling. Proceedings of the Tenth International Conference, November 5-7, 2007 Newport, Rhode Island, sponsored by University of Rhode Island.* p.607-617. Virginia: American Society of Civil Engineers, 2008.

(0011) BEVILACQUA, S.; FRASCHETTI, S.; MUSCO, L.; TERLIZZI, A. Taxonomic sufficiency in the detection of natural and human-induced changes in marine assemblages: a comparison of habitats and taxonomic groups. *Marine Pollution Bulletin*, 58(12), 1850-1851, 2009. [Molluscs; polychaetes]

(0012) BIN, C.; HAO, H.; WEIWEI, Y.; SENLIN, Z.; JINKENG, W.; JINLONG, J. Marine biodiversity conservation based on integrated coastal zone management (ICZM) - a case study in Quanzhou Bay, Fujian, China. *Ocean and Coastal Management*, 52(12), 612-619, 2009.

(0013) BOERO, F. Recent innovations in marine biology. *Marine Ecology*, 30(Issue s1), 1-12, 2009. [Anthropogenic pressure]

(0014) BOUDOURESQUE, C.F.; BERNARD, G.; PERGENT, G.; SHILI, A.; VERLAQUE, M. Regression of Mediterranean seagrasses caused by natural processes and anthropogenic disturbances and stress: a critical review. *Botanica Marina*, 52(5), 395-418, 2009. [Review; coastal development; industrial and urban pollution; trawling; mooring; fish farming; dredging; sand extraction; dumping; laying underwater pipes and cables; explosives; brine discharges; introduced species; climate change]

(0015) BROCK, J.C.; PURKIS, S.J. The emerging role of lidar remote sensing in coastal research and resource management. *Journal of Coastal Research*, Special Issue No.53, 1-5, 2009.

(0016) CHANG, M.-L.; DORING, P.; WAN, Y.; QIU, C.; SUN, D. Integrated modeling in South Florida coastal area. In: Spaulding, M.L., (editor). *Estuarine and coastal modeling. Proceedings of the Tenth International Conference, November 5-7, 2007 Newport, Rhode Island, sponsored by University of Rhode Island.* p.95-105. Virginia: American Society of Civil Engineers, 2008. [Water quality]

(0017) CUPIDO, R.; COCITO, S.; BARSANTI, M.; SGORBINI, S.; PEIRANO, A.; SANTANGELO, G. Unexpected long-term population dynamics in a canopy-forming gorgonian coral following mass mortality. *Marine Ecology Progress Series*, 394, 195-200, 2009. [Climate change; recovery; restoration]

(0018) DAI, M.; TURNER, A., (EDITORS). Special Issue. 10th International Estuarine Biogeochemistry Symposium - "Estuaries in a Changing World". *Marine Chemistry*, 117(1-4), 1-96, 2009.

(0019) DEFEO, O.; HORTA, S.; CARRANZA, A.; LERCARI, D.; DE ALAVA, A.; GOMEZ, J.; MARTINEZ, G.; LOZOYA, J.P.; CELENTANO, E. *Hacia un Manejo Ecosistemico de Pesquerias. Areas Marinas Protegidas en Uruguay.* 122p. Montevideo: Direccion Nacional de Recursos Acuaticos, 2009. [Including urbanization, tourism; pollution]

(0020) DIKOU, A., (ET AL). Ecological assessment to detect imminent change in coral reefs of Admiral Cockburn Land and Sea National Park, Turks and Caicos Islands. *Marine Ecology*, 30(4), 425-436, 2009.

(0021) DUCLAUD, B.R.; BOWEN, J.D. Using turbulence model results to quantify oxygen reaeration in an estuary dissolved oxygen model. In: Spaulding, M.L., (editor). *Estuarine and coastal modeling. Proceedings of the Tenth International Conference, November 5-7, 2007 Newport, Rhode Island, sponsored by University of Rhode Island.* p.633-650. Virginia: American Society of Civil Engineers, 2008. [Water quality]

(0022) FACCA, C.; SFRISO, A. Phytoplankton in a transitional ecosystem of the Northern Adriatic Sea and its putative role as an indicator for water quality assessment. *Marine Ecology*, 30(4), 462-479, 2009.

(0023) FALACE, A.; CURIEL, D.; SFRISO, A. Study of the macrophyte assemblages and application of phytobenthic indices to assess the Ecological Status of the Marano-Grado Lagoon (Italy). *Marine Ecology*, 30(4), 480-494, 2009.

- (0024) FIELD, I.C.; MEEKAN, M.G.; BUCKWORTH, R.C.; BRADSHAW, C.J.A. Susceptibility of sharks, rays and chimaeras to global extinction. *Advances in Marine Biology*, 56, 275-363, 2009. [Threats; fisheries; pollution; beach meshing; alien species; review]
- (0025) FORREST, B.M.; KEELE, N.B.; HOPKINS, G.A.; WEBB, S.C.; CLEMENT, D.M. Bivalve aquaculture in estuaries: review and synthesis of oyster cultivation effects. *Aquaculture*, 298(1/2), 1-15, 2009.
- (0026) FOSTER, G.; WALKER, B.K.; RIEGL, B.M. Interpretation of single-beam acoustic backscatter using lidar-derived topographic complexity and benthic habitat classifications in a coral reef environment. *Journal of Coastal Research*, Special Issue No.53, 16-26, 2009.
- (0027) GNYUBKIN, V.F. An early warning system for aquatic environment state monitoring based on an analysis of mussel valve movements. [In Russian with English summary]. *Biologiya Morya*, 35(5), 378-383, 2009.
- (0028) GOGINA, M.; GLOCKZIN, M.; ZETTLER, M.L. Distribution of benthic macrofaunal communities in the western Baltic Sea with regard to near-bottom environmental parameters. 1. Causal analysis. *Journal of Marine Systems*, 79(1/2), 112-123, 2010.
- (0029) HILLS, J.; CARLISLE, M.; LE TISSIER, M.; MUIR, D.; ROBINSON, C. Landscape-scale analysis of ecosystem risk and returns: a new tool for ICZM. *Marine Policy*, 33(6), 887-900, 2009. [Case studies; northwest Europe; Durham heritage coast; South Uist; Baile Sear]
- (0030) HUNT, M.J. Essential considerations for development of estuarine ecological modeling tools. In: Spaulding, M.L., (editor). *Estuarine and coastal modeling. Proceedings of the Tenth International Conference, November 5-7, 2007 Newport, Rhode Island, sponsored by University of Rhode Island.* p.203-222. Virginia: American Society of Civil Engineers, 2008. [Vallisneria americana]
- (0031) JALALI, M.A.; AMIRI, B.M. Threatened fishes of the world: *Salmo trutta caspius* (Kessler, 1877) (Salmoniforms: Salmonidae). *Environmental Biology of Fishes*, 86(3), 375-376, 2009.
- (0032) JONES, D.; FRID, C.L.J. Altering intertidal sediment topography: effects on biodiversity and ecosystem functioning. *Marine Ecology*, 30(Issue s1), 83-96, 2009. [Dee estuary]
- (0033) KELLEWAY, J.; WILLIAMS, R.J.; LAEGDSGAARD, P. Mapping, assessment and monitoring of saltmarshes. In: Saintilan, N., (editor). *Australian saltmarsh ecology.* p.211-229. Collingwood, Australia: CIRO Publishing, 2009. [Urbanisation]
- (0034) LAEGDSGAARD, P.; KELLEWAY, J.; WILLIAMS, R.J.; HARTY, C. Protection and management of coastal saltmarsh. In: Saintilan, N., (editor). *Australian saltmarsh ecology.* p.179-210. Collingwood, Australia: CSIRO Publishing, 2009.
- (0035) LI, Y.; BRUSH, M.J.; WANG, H.V.; ANDERSON, I.C.; SISSON, G.M. Effects of benthic microalgae on eutrophication processes -- a laboratory experiment and the model simulation. In: Spaulding, M.L., (editor). *Estuarine and coastal modeling. Proceedings of the Tenth International Conference, November 5-7, 2007 Newport, Rhode Island, sponsored by University of Rhode Island.* p.590-606. Virginia: American Society of Civil Engineers, 2008. [Nutrients]
- (0036) LI, Y.; CHEN, Y.; OLSON, D.; YU, N.; CHEN, L. Evaluating ecosystem structure and functioning of the East China Sea Shelf ecosystem, China. *Hydrobiologia*, 636, 331-351, 2009.
- (0037) LLORET, J.; MARIN, A. The role of benthic macrophytes and their associated macroinvertebrate community in coastal lagoon resistance to eutrophication. *Marine Pollution Bulletin*, 58(12), 1827-1834, 2009.

- (0038) LUDWIG, M. Chesapeake Bay. Thirty years on and still dying. *Sherkin Comment*, (48), p.19, 2009. [Nutrient pollution]
- (0039) MARQUES, J.C.; BASSET, A.; BREY, T.; ELLIOTT, M. The ecological sustainability trigon - a proposed conceptual framework for creating and testing management scenarios. *Marine Pollution Bulletin*, 58(12), 1773-1779, 2009.
- (0040) MASCARO, O.; OLIVA, S.; PEREZ, M.; ROMERO, J. Spatial variability in ecological attributes of the seagrass *Cymodocea nodosa*. *Botanica Marina*, 52(5), 429-438, 2009. [Natural variability]
- (0041) MOLLER, T.; KOTTA, J.; MARTIN, G. Effect of observation method on the perception of community structure and water quality in a brackish water ecosystem. *Marine Ecology*, 30(Issue s1), 105-112, 2009.
- (0042) MOORAKI, N.; SARI, A.E.; SOLTANI, M.; VALINASSAB, T. Spatial distribution and assemblage structure of macrobenthos in a tidal creek in relation to industrial activities. *International Journal of Environmental Science and Technology*, 6(4), 651-662, 2009. [Cd; Hg; Ni; Pb]
- (0043) MOUNEYRAC, C.; PERREIN-ETTAJANI, H.; AMIARD-TRIQUET, C. Influence of anthropogenic stress on fitness and behaviour of a key-species of estuarine ecosystems, the ragworm *Nereis diversicolor*. *Environmental Pollution*, 158(1), 121-128, 2010. [Pollution gradient; Loire; Seine; Goyen; Bay of Bourgneuf]
- (0044) MUTLU, E.; CINAR, M.E.; ERGEV, M.B. Distribution of soft-bottom polychaetes of the Levantine coast of Turkey, eastern Mediterranean Sea. *Journal of Marine Systems*, 79(1/2), 23-35, 2010.
- (0045) NAUMOV, A.D.; KHALAMAN, V.V.; FOKIN, M.V. Long-term dynamics of abundance of some intertidal polychaetes in two inlets of Kandalaksha Bay (White Sea). [In Russian with English summary]. *Biologiya Morya*, 35(5), 337-343, 2009. [Climate change]
- (0046) O'BRIEN, J.; BERROW, S.; MCGRATH, D.; EVANS, P. Cetaceans in Irish waters: a review of recent research. *Biology and Environment: Proceedings of the Royal Irish Academy*, 109B(2), 63-88, 2009. [Surveys; strandings; threats; health; behaviour; climate change]
- (0047) OLIVEIRA, A.; RODRIGUES, M.; FORTUNATO, A.B.; BERTIN, X. Numerical analysis of the impact of morphodynamics on the water quality of a coastal lagoon. In: Spaulding, M.L., (editor). *Estuarine and coastal modeling. Proceedings of the Tenth International Conference, November 5-7, 2007 Newport, Rhode Island, sponsored by University of Rhode Island*. p.651-670. Virginia: American Society of Civil Engineers, 2008. [Faecal contamination plumes]
- (0048) PAULINO, S.; SAM-BENTO, F.; CHURRO, C.; ALVERCA, E.; DIAS, E.; VALERIO, E.; PEREIRA, P. The Estela Sousa e Silva Algal Culture Collection: a resource of biological and toxicological interest. *Hydrobiologia*, 636, 489-492, 2009.
- (0049) PELLETIER, N.; TYEDMERS, P.; SONESSON, U.; SCHOLZ, A.; ZIEGLER, F.; FLYSJO, A.; KRUSE, S.; CANCINO, B.; SILVERMAN, H. Not all salmon are created equal: life cycle assessment (LCA) of global salmon farming systems. *Environmental Science and Technology*, 43(23), 8730-8736, 2009. [Energy use; biotic resource use; greenhouse gas; acidification; eutrophication; UK; Norway; Canada; Chile]
- (0050) PERTOLDI, C.; SONNE, C.; DIETZ, R.; SCHMIDT, N.M.; LOESCHCKE, V. Craniometric characteristics of polar bear skulls from two periods with contrasting levels of industrial pollution and sea ice extent. *Journal of Zoology*, 279(4), 321-328, 2009. [Climate change]

- (0051) QIAN, S.S.; CRAIG, J.K.; BAUSTIAN, M.M.; RABALAIS, N.N. A Bayesian hierarchical modeling approach for analyzing observational data from marine ecological studies. *Marine Pollution Bulletin*, 58(12), 1916-1921, 2009. [Hypoxia]
- (0052) RIMET, F. Benthic diatom assemblages and their correspondence with ecoregional classifications: case study of rivers in north-eastern France. *Hydrobiologia*, 636, 137-151, 2009. [Meuse basin; Moselle basin; Sarre basin; water quality]
- (0053) RODRIGUES, M.; OLIVEIRA, A.; QUEIROGA, H.; ZHANG, Y.J.; FORTUNATO, A.B.; BAPTISTA, A.M. Integrating a circulation model and an ecological model to simulate the dynamics of zooplankton. In: Spaulding, M.L., (editor). *Estuarine and coastal modeling. Proceedings of the Tenth International Conference, November 5-7, 2007 Newport, Rhode Island, sponsored by University of Rhode Island.* p.427-446. Virginia: American Society of Civil Engineers, 2008. [Anthropogenic impact; nutrients; faecal organic matter]
- (0054) ROSA, R.; SEIBEL, B.A. Synergistic effects of climate-related variables suggest future physiological impairment in a top oceanic predator. *Proceedings of the National Academy of Sciences, USA*, 105(52), 20776-20780, 2008. [CO₂; pH; ocean acidification; hypoxia jumbo squid]
- (0055) ROTHENBERGER, M.B.; BURKHOLDER, J.M.; WENTWORTH, T.R. Use of long-term data and multivariate ordination techniques to identify environmental factors governing estuarine phytoplankton species dynamics. *Limnology and Oceanography*, 54(6), 2107-2127, 2009. [Eutrophication; nutrients]
- (0056) SANDBERG, J.; HOWSAM, P. Diffuse pollution from on-site wastewater treatment plants - legal controls, with particular reference to Sweden. *Journal of Water Law*, 19(5), 195-199, 2008.
- (0057) SHAN, H.; YEH, G.-T.; HU, G.; WU, T.-S. On the framework of an integrated 3D surface, subsurface, and overland hydrodynamic model for flow and transport. In: Spaulding, M.L., (editor). *Estuarine and coastal modeling. Proceedings of the Tenth International Conference, November 5-7, 2007 Newport, Rhode Island, sponsored by University of Rhode Island.* p.223-242. Virginia: American Society of Civil Engineers, 2008.
- (0058) SKOGEN, M.D.; EKNES, M.; ASPLIN, L.C.; SANDVIK, A.D. Modelling the environmental effects of fish farming in a Norwegian fjord. *Aquaculture*, 298(1/2), 70-75, 2009. [Eutrophication; nutrients; particulate matter]
- (0059) SOTKA, E.E.; FORBEY, J.; HORN, M.; POORE, A.G.B.; RAUBENHEIMER, D.; WHALEN, K.E. The emerging role of pharmacology in understanding consumer-prey interactions in marine and freshwater systems. *Integrative and Comparative Biology*, 49(3), 291-313, 2009. [Including impact of pollution; UV; temperature; pH]
- (0060) TATARANNI, M.; LARDICCI, C. Performance of some biotic indices in the real variable world: a case study at different spatial scales in North-Western Mediterranean Sea. *Environmental Pollution*, 158(1), 26-34, 2010. [Anthropogenic impact]
- (0061) TOLHURST, T.J. Weak diurnal changes in the biochemical properties and benthic macrofauna of urbanised mangrove forests and mudflats. *Hydrobiologia*, 636, 101-117, 2009.
- (0062) TRONO, A.; MOSSA, M.; ELLIOTT, M. Puglia and Salento. The coastline and wetlands of Puglia and the Salento peninsula in southern Italy. *ECSA Bulletin*, (53), 46-54, 2009. [Including anthropogenic impact]
- (0063) VAN DER HEIDE, T.; PEETERS, E.T.H.M.; HERMUS, D.C.R.; VAN KATWIJK, M.M.; ROELOFS, J.G.M.; SMOLDERS, A.J.P. Predicting habitat suitability in temperate seagrass ecosystems. *Limnology and Oceanography*, 54(6), 2018-2024, 2009.

(0064) VENKATESH, G.; BRATTEBO, H. Changes in material flows, treatment efficiencies and shifting of environmental loads in the wastewater treatment sector. Part I: case study of the Netherlands. *Environmental Technology*, 30(11), 1111-1129, 2009.

(0065) VENKATESH, G.; BRATTEBO, H. Changes in material flows, treatment efficiencies and shifting of environmental loads in the wastewater treatment sector. Part II: case study of Norway. *Environmental Technology*, 30(11), 1131-1143, 2009.

(0066) WAGLER, H.; BERGHANN, R.; VORGBERG, R. The fishery for whiteweed, *Sertularia cupressina* (Cnidaria, Hydrozoa), in the Wadden Sea, Germany: history and anthropogenic effects. *ICES Journal of Marine Science*, 66(10), 2116-2120, 2009. [Eutrophication; dam construction; coastal engineering]

(0067) WANG, C.-Z. Environment quality evaluation for the abalone culture coastal areas of Putian using the method of discomfort index. [In Chinese with English summary]. *Journal of Shanghai Ocean University*, 18(6), 728-733, 2009. [Cd; Cu; Hg; Pb; Zn; nutrients; pH; oil]

(0068) WANG, C.; LI, X.; LAI, Z.; TAN, X.; PANG, S.; YANG, W. Seasonal variations of *Aulacoseira granulata* population abundance in the Pearl River Estuary. *Estuarine, Coastal and Shelf Science*, 85(4), 585-592, 2009. [Eutrophication; nutrients]

(0069) WANG, P.; LINKER, L.; BATIUK, R.; LUNG, W.-S. Tracer simulation to analyze channel effect on particle transport in the Chesapeake estuary. In: Spaulding, M.L., (editor). *Estuarine and coastal modeling. Proceedings of the Tenth International Conference, November 5-7, 2007 Newport, Rhode Island, sponsored by University of Rhode Island.* p.744-763. Virginia: American Society of Civil Engineers, 2008.

(0070) YANG, Z.; KHANGAONKAR, T. Modeling the hydrodynamics of Puget Sound using a three-dimensional unstructured finite volume coastal ocean model. In: Spaulding, M.L., (editor). *Estuarine and coastal modeling. Proceedings of the Tenth International Conference, November 5-7, 2007 Newport, Rhode Island, sponsored by University of Rhode Island.* p.1-17. Virginia: American Society of Civil Engineers, 2008. [Restoration]

(0071) YEH, G.-T.; SHAN, H.; HU, G.; WU, T.-S. An integrated model of hydrodynamics and water quality transport. In: Spaulding, M.L., (editor). *Estuarine and coastal modeling. Proceedings of the Tenth International Conference, November 5-7, 2007 Newport, Rhode Island, sponsored by University of Rhode Island.* p.507-542. Virginia: American Society of Civil Engineers, 2008. [Nutrients]

(0072) ZHANG, H.; LI, S. Effects of physical and biochemical processes on the dissolved oxygen budget for the Pearl River Estuary during summer. *Journal of Marine Systems*, 79(1/2), 65-88, 2010. [Hypoxia]

(0073) ZHOU, J.; LIU, Y.; CHEN, J.; YU, F. Uncertainty analysis on aquatic environmental impacts of urban land use change. *Frontiers of Environmental Science and Engineering in China*, 2(4), 494-504, 2008.

(0074) ZHURAVEL, E.; MARKINA, Z.; AIZDAICHER, N. Growth and physiological state of the microalgae *Phaeodactylum tricornutum* Bohlin (Bacillariophyta) in the water taken from Peter the Great Bay. *Ocean Science Journal*, 44(3), 173-179, 2009. [Nutrients; organic pollution; water quality]

(0075) ZOU, R.; BAI, S.; PARKER, A. Hydrodynamic and eutrophication modeling for a tidal marsh impacted estuarine system using EFDC. In: Spaulding, M.L., (editor). Estuarine and coastal modeling. Proceedings of the Tenth International Conference, November 5-7, 2007 Newport, Rhode Island, sponsored by University of Rhode Island. p.561-589. Virginia: American Society of Civil Engineers, 2008. [Nutrients; inorganic nitrogen; organic nitrogen; organic carbon; dissolved oxygen]

Section 2: Petroleum Hydrocarbons

- (0076) ALMEIDA, C.M.R.; DIAS, A.C.; MUCHA, A.P.; BORDALO, A.A.; VASCONELOS, M.T.S.D. Study of the influence of different organic pollutants on Cu accumulation by *Halimione portulacoides*. *Estuarine, Coastal and Shelf Science*, 85(4), 627-632, 2009. [DDE; monobutyltin; Triton X-100; PAHs]
- (0077) ALVAREZ, L.A.; EXTON, D.A.; TIMMIS, K.N.; SUGGETT, D.J.; MCGENITY, T.J. Characterization of marine isoprene-degrading communities. *Environmental Microbiology*, 11(12), 3280-3291, 2009. [Colne estuary; oil spills; algal production]
- (0078) APRAIZ, I.; CAJARAVILLE, M.P.; CRISTOBAL, S. Peroxisomal proteomics: biomonitoring in mussels after the Prestige's oil spill. *Marine Pollution Bulletin*, 58(12), 1815-1826, 2009.
- (0079) BANNI, M.; BOURAOUI, Z.; CLERANDEAU, C.; NARBONNE, J.F.; BOUSSETTA, H. Mixture toxicity assessment of cadmium and benzo[a]pyrene in the sea worm *Hediste diversicolor*. *Chemosphere*, 77(7), 902-906, 2009. [Cd; PAH]
- (0080) BAUSSANT, T., (ET AL). Enzymatic and cellular responses in relation to body burden of PAHs in bivalve molluscs: a case study with chronic levels of North Sea and Barents Sea dispersed oil. *Marine Pollution Bulletin*, 58(12), 1796-1807, 2009.
- (0081) BIN, C.; HAO, H.; WEIWEI, Y.; SENLIN, Z.; JINKENG, W.; JINLONG, J. Marine biodiversity conservation based on integrated coastal zone management (ICZM) - a case study in Quanzhou Bay, Fujian, China. *Ocean and Coastal Management*, 52(12), 612-619, 2009.
- (0082) DELL'ANNO, A.; BEOLCHINI, F.; GABELLINI, M.; ROCCHETTI, L.; PUSCEDDU, A.; DANOVARO, R. Bioremediation of petroleum hydrocarbons in anoxic marine sediments: consequences on the speciation of heavy metals. *Marine Pollution Bulletin*, 58(12), 1808-1814, 2009. [Cr; Cu; Ni; Pb; Zn]
- (0083) DIPIPPO, J.L.; NESBO, C.L.; DAHLE, H.; DOOLITTLE, W.F.; BIRKLAND, N.-K.; NOLL, K.M. *Kosmotoga olearia* gen. nov., sp. nov., a thermophilic, anaerobic heterotroph isolated from an oil production fluid. *International Journal of Systematic and Evolutionary Microbiology*, 59(12), 2991-3000, 2009. [Troll B oil platform, North Sea]
- (0084) ECHEVESTE, P.; AGUSTI, S.; DACHS, J. Cell size dependent toxicity thresholds of polycyclic aromatic hydrocarbons to natural and cultured phytoplankton populations. *Environmental Pollution*, 158(1), 299-307, 2010. [PAHs; phenanthrene; pyrene]
- (0085) GRUEIRO-NOCHE, G.; ANDRADE, J.M.; MUNIATEGUI-LORENZO, S.; LOPEZ-MAHIA, P.; PRADA-RODRIGUEZ, D. 3-way pattern-recognition of PAHs from Galicia (NW Spain) seawater samples after the Prestige's wreck. *Environmental Pollution*, 158(1), 207-214, 2010.
- (0086) GUITART, C.; GARCIA-FLOR, N.; MIQUEL, J.C.; FOWLER, S.W.; ALBAIGES, J. Effect of the accumulation of polycyclic aromatic hydrocarbons in the sea surface microlayer on their coastal air-sea exchanges. *Journal of Marine Systems*, 79(1/2), 210-217, 2010. [PAHs]
- (0087) KOELMANS, A.A.; KAAG, K.; SNEEKES, A.; PEETERS, E.T.H.M. Triple domain in situ sorption modeling of organochlorine pesticides, polychlorobiphenyls, polyaromatic hydrocarbons, polychlorinated dibenzo-p-dioxins, and polychlorinated dibenzofurans in aquatic sediments. *Environmental Science and Technology*, 43(23), 8847-8853, 2009. [DDE; PAH; PCB; PCDD; PCDF]
- (0088) KORAN, K.M.; VENOSA, A.D.; LUEDEKER, C.C.; DUNNIGAN, K.; SORIAL, G.A. Development and testing of a new protocol for evaluating the effectiveness of oil spill surface washing agents. *Marine Pollution Bulletin*, 58(12), 1903-1908, 2009. [Surfactants; SWA]

- (0089) LI, Y.; XIONG, Y. Identification and quantification of mixed sources of oil spills based on distributions and isotope profiles of long-chain n-alkanes. *Marine Pollution Bulletin*, 58(12), 1868-1873, 2009.
- (0090) LIN, C.Y., (ET AL). Characterization of the metabolic actions of crude versus dispersed oil in salmon smolts via NMR-based metabolomics. *Aquatic Toxicology*, 95(3), 230-238, 2009. [Corexit 9500]
- (0091) LIU, A.-X.; LANG, Y.-H.; XUE, L.-D.; LIAO, S.-L.; ZHOU, H. Probabilistic ecological risk assessment and source apportionment of polycyclic aromatic hydrocarbons in surface sediments from Yellow Sea. *Bulletin of Environmental Contamination and Toxicology*, 83(5), 681-687, 2009. [PAHs]
- (0092) MARTINS, C.C.; BICEGO, M.C.; ROSE, N.L.; TANIGUCHI, S.; LOURENCO, R.A.; FIGUEIRA, R.C.L.; MAHIQUES, M.M.; MONTONE, R.C. Historical record of polycyclic aromatic hydrocarbons (PAHs) and spheroidal carbonaceous particles (SCPs) in marine sediment cores from Admiralty Bay, King George Island, Antarctica. *Environmental Pollution*, 158(1), 192-200, 2010. [Fly-ash; anthropogenic impact]
- (0093) MCDONALD, B.G.; MCPHERSON, C.A.; DEWYNTER, R.; KICKHAM, P.; BROWN, C. Incorporation of 28-d *Leptocheirus plumulosus* toxicity data in a sediment weight-of-evidence framework. *Ecotoxicology and Environmental Safety*, 73(1), 51-55, 2010. [Contaminated sediment; arsenic; Cd; Cr; Cu; Hg; Pb; Zn; PAHs; total organic carbon]
- (0094) O'HARA, P.D.; DAVIDSON, P.; BURGER, A.E. Aerial surveillance and oil spill impacts based on beached bird survey data collected in southern British Columbia. *Marine Ornithology*, 37(1), 61-65, 2009.
- (0095) PENELA-ARENAZ, M.; BELLAS, J.; VAZQUEZ, E. Effects of the Prestige oil spill on the biota of NW Spain: 5 years of learning. *Advances in Marine Biology*, 56, 365-396, 2009. [Review]
- (0096) PEREIRA, M.G.; WALKER, L.A.; WRIGHT, J.; BEST, J.; SHORE, R.F. Concentrations of polycyclic aromatic hydrocarbons (PAHs) in the eggs of predatory birds in Britain. *Environmental Science and Technology*, 43(23), 9010-9015, 2009. [Gannets from Ailsa Craig and Bass Rock; golden eagles from the Hebrides and Highlands]
- (0097) ROBINSON, B.H. E-waste: an assessment of global production and environmental impacts. *Science of the Total Environment*, 408(2), 183-191, 2009. [Review]
- (0098) SCHIPPER, C.A., (ET AL). A retrospective analysis to explore the applicability of fish biomarkers and sediment bioassays along contaminated salinity transects. *ICES Journal of Marine Science*, 66(10), 2089-2105, 2009. [Arsenic; Cd; Cr; Cu; Hg; Ni; Pb; Zn; PAHs; PCBs; organo-chlorine pesticides; Rotterdam; Amsterdam]
- (0099) WANG, C.-Z. Environment quality evaluation for the abalone culture coastal areas of Putian using the method of discomfort index. [In Chinese with English summary]. *Journal of Shanghai Ocean University*, 18(6), 728-733, 2009. [Cd; Cu; Hg; Pb; Zn; nutrients; pH; oil]

Section 3: Metals

(0100) ABI-GHANEM, C.; CHIFFOLEAU, J.F.; BERMOND, A.; NAKHLE, K.; KHALAF, G.; BORSCHNECK, D.; COSSA, D. Lead and its isotopes in the sediment of three sites on the Lebanese coast: identification of contamination sources and mobility. *Applied Geochemistry*, 24(10), 1990-1999, 2009. [Pb]

(0101) ALMEIDA, C.M.R.; DIAS, A.C.; MUCHA, A.P.; BORDALO, A.A.; VASCONELOS, M.T.S.D. Study of the influence of different organic pollutants on Cu accumulation by *Halimione portulacoides*. *Estuarine, Coastal and Shelf Science*, 85(4), 627-632, 2009. [DDE; monobutyltin; Triton X-100; PAHs]

(0102) ANDERSON, O.R.J.; PHILLIPS, R.A.; SHORE, R.F.; MCGILL, R.A.R.; MCDONALD, R.A.; BEARHOP, S. Element patterns in albatrosses and petrels: influence of trophic position, foraging range, and prey type. *Environmental Pollution*, 158(1), 98-107, 2010. [22 essential and non-essential elements]

(0103) AWAL, M.A.; HALE, W.H.G.; STERN, B. Trace element concentrations in mangrove sediments in the Sundarbans, Bangladesh. *Marine Pollution Bulletin*, 58(12), 1944-1948, 2009. [Al; As; B; Ba; Bi; Cd; Co; Cr; Cu; Fe; Hg; Mn; Mo; Ni; Pb; Rb; Sb; Sc; Se; Sn; Sr; Ti; V; Y; Zn]

(0104) BAKER, M.R.; SCHINDLER, D.E.; HOLTGRIEVE, G.W.; ST. LOUIS, V.L. Bioaccumulation and transport of contaminants: migrating sockeye salmon as vectors of mercury. *Environmental Science and Technology*, 43(23), 8840-8846, 2009. [Hg]

(0105) BANNI, M.; BOURAOUI, Z.; CLERANDEAU, C.; NARBONNE, J.F.; BOUSSETTA, H. Mixture toxicity assessment of cadmium and benzo[a]pyrene in the sea worm *Hediste diversicolor*. *Chemosphere*, 77(7), 902-906, 2009. [Cd; PAH]

(0106) BARAJ, B.; NIENCHESKI, L.F.; WINDOM, H.; HERMANS, L. Trace metal concentration in liver, kidney and heart in South American fur seal (*Arctocephalus australis*) from Southern Brazil. *Marine Pollution Bulletin*, 58(12), 1948-1952, 2009. [Ag; Cd; Cr; Cu; Fe; Hg; Mn; Ni; Pb; Zn]

(0107) BELTRAME, M.O.; DE MARCO, S.G.; MARCOVECCHIO, J.E. Effects of zinc on molting and body weight of the estuarine crab *Neohelice granulata* (Brachyura: Varunidae). *Science of the Total Environment*, 408(3), 531-536, 2010. [Zn]

(0108) BIN, C.; HAO, H.; WEIWEI, Y.; SENLIN, Z.; JINKENG, W.; JINLONG, J. Marine biodiversity conservation based on integrated coastal zone management (ICZM) - a case study in Quanzhou Bay, Fujian, China. *Ocean and Coastal Management*, 52(12), 612-619, 2009.

(0109) BROOKENS, T.J.; O'HARA, T.M.; TAYLOR, R.J.; BRATTON, G.R.; HARVEY, J.T. Corrigendum to "Total mercury body burden in Pacific harbor seal, *Phoca vitulina richardii*, pups from central California" [*Marine Pollution Bulletin* 56 (2008) 27-41]. *Marine Pollution Bulletin*, 58(12), p.1953, 2009. [Hg]

(0110) CARILLI, J.E.; PROUTY, N.G.; HUGHEN, K.A.; NORRIS, R.D. Century-scale records of land-based activities recorded in Mesoamerican coral cores. *Marine Pollution Bulletin*, 58(12), 1835-1842, 2009. [Runoff; sedimentation; Ba; Cr; Cu; Mn; Pb; Sb; Zn]

(0111) CASTELLE, S.; SCHAFFER, J.; BLANC, G.; DABRIN, A.; LANCELEUR, L.; MASSON, M. Gaseous mercury at the air-water interface of a highly turbid estuary (Gironde Estuary, France). *Marine Chemistry*, 117(1-4), 42-51, 2009. [Hg]

- (0112) COUCEIRO, F.; RAUEN, W.; MILLWARD, G.E.; LIN, B.; TURNER, A.; FALCONER, R. Transport and reactivity of nickel in estuarine sediments: results from a high capacity flume. *Marine Chemistry*, 117(1-4), 71-76, 2009. [Ni; Mersey estuary sediment]
- (0113) DAILIANIS, S.; PATETSINI, E.; KALOYIANNI, M. The role of signalling molecules on actin glutathionylation and protein carbonylation induced by cadmium in haemocytes of mussel *Mytilus galloprovincialis* (Lmk). *Journal of Experimental Biology*, 212(22), 3612-3620, 2009. [Cd]
- (0114) DANG, F.; WANG, W.-X. Assessment of tissue-specific accumulation and effects of cadmium in a marine fish fed contaminated commercially produced diet. *Aquatic Toxicology*, 95(3), 248-255, 2009. [Cd]
- (0115) DELL'ANNO, A.; BEOLCHINI, F.; GABELLINI, M.; ROCCHETTI, L.; PUSCEDDU, A.; DANOVARO, R. Bioremediation of petroleum hydrocarbons in anoxic marine sediments: consequences on the speciation of heavy metals. *Marine Pollution Bulletin*, 58(12), 1808-1814, 2009. [Cr; Cu; Ni; Pb; Zn]
- (0116) DUARTE, B.; ALMEIDA, P.R.; CACADOR, I. *Spartina maritima* (cordgrass) rhizosediment extracellular enzymatic activity and its role in organic matter decomposition processes and metal speciation. *Marine Ecology*, 30(Issue s1), 65-73, 2009. [Cd; Co; Cr; Cu; Ni; Pb; Zn]
- (0117) EAGLES-SMITH, C.A.; ACKERMAN, J.T. Rapid changes in small fish mercury concentrations in estuarine wetlands: implications for wildlife risk and monitoring programs. *Environmental Science and Technology*, 43(22), 8658-8664, 2009. [Hg]
- (0118) ESSUMANG, D.K. Bioaccumulation of platinum group metals in dolphins, *Stenella* sp., caught off Ghana. *African Journal of Aquatic Science*, 33(3), 255-259, 2008. [Pd; Pt; Rh; human health risk]
- (0119) GABR, H.R.; ALFY, S.E. Study on bacteriological and heavy metal contamination and its potential risk in fish farms in the Suez Canal Area, Egypt. *World Aquaculture*, 40(3), 16-21, 2009. [Ag; arsenic; Cd; Cr; Cu; Hg; Pb; Sn; faecal bacteria]
- (0120) GAO, Y.; LESVEN, L.; GILLAN, D.; SABBE, K.; BILLON, G.; DE GALAN, S.; ELSKENS, M.; BAEYENS, W.; LEERMAKERS, M. Geochemical behavior of trace elements in sub-tidal marine sediments of the Belgian coast. *Marine Chemistry*, 117(1-4), 88-96, 2009. [Arsenic; Co; Cr; Cu; Fe; Mn; Ni; Pb]
- (0121) GOTO, D.; WALLACE, W.G. Biodiversity loss in benthic macroinfaunal communities and its consequence for organic mercury trophic availability to benthivorous predators in the lower Hudson River estuary, USA. *Marine Pollution Bulletin*, 58(12), 1909-1915, 2009. [Hg]
- (0122) HORTON, T.W.; BLUM, J.D.; XIE, Z.; HREN, M.; CHAMBERLAIN, C.P. Stable isotope food-web analysis and mercury biomagnification in polar bears (*Ursus maritimus*). *Polar Research*, 28(3), 443-454, 2009. [Hg]
- (0123) LIU, Y.; TAM, N.F.Y.; YANG, J.X.; PI, N.; WONG, M.H.; YE, Z.H. Mixed heavy metals tolerance and radial oxygen loss in mangrove seedlings. *Marine Pollution Bulletin*, 58(12), 1843-1849, 2009. [Cu; Pb; Zn]
- (0124) LUOMA, S.N.; PRESSER, T.S. Emerging opportunities in management of selenium contamination. *Environmental Science and Technology*, 43(22), 8483-8487, 2009. [Se]
- (0125) MARI, X.; MIGON, C.; NICOLAS, E. Reactivity of transparent exopolymeric particles: a key parameter of trace metal cycling in the lagoon of Noumea, New Caledonia. *Marine Pollution Bulletin*, 58(12), 1874-1879, 2009. [Cr; Ni; Zn; residence time]

- (0126) MCDONALD, B.G.; MCPHERSON, C.A.; DEWYNTER, R.; KICKHAM, P.; BROWN, C. Incorporation of 28-d *Leptocheirus plumulosus* toxicity data in a sediment weight-of-evidence framework. *Ecotoxicology and Environmental Safety*, 73(1), 51-55, 2010. [Contaminated sediment; arsenic; Cd; Cr; Cu; Hg; Pb; Zn; PAHs; total organic carbon]
- (0127) MENZIE, C.A., (ET AL). Importance of considering the framework principles in risk assessment for metals. *Environmental Science and Technology*, 43(22), 8478-8482, 2009.
- (0128) MOORAKI, N.; SARI, A.E.; SOLTANI, M.; VALINASSAB, T. Spatial distribution and assemblage structure of macrobenthos in a tidal creek in relation to industrial activities. *International Journal of Environmental Science and Technology*, 6(4), 651-662, 2009. [Cd; Hg; Ni; Pb]
- (0129) MORELLI, E.; FERRARA, R.; BELLINI, B.; DINI, F.; DI GIUSEPPE, G.; FANTOZZI, L. Changes in the non-protein thiol pool and production of dissolved gaseous mercury in the marine diatom *Thalassiosira weissflogii* under mercury exposure. *Science of the Total Environment*, 408(2), 286-293, 2009. [Hg]
- (0130) OCHOA-VALENZUELA, L.E.; GOMEZ-ALVAREZ, A.; GARCIA-RICO, L.; VILLALBA-ATONDO, A.I. Distribution of heavy metals in surface sediments of the Bacochibampo Bay, Sonora, Mexico. *Chemical Speciation and Bioavailability*, 21(4), 211-218, 2009. [Al; Cd; Cr; Cu; Fe; Mn; Pb]
- (0131) ROACH, A.C.; WILSON, S.P. Ecological impacts of tributyltin on estuarine communities in the Hastings River, NSW Australia. *Marine Pollution Bulletin*, 58(12), 1780-1786, 2009. [TBT; imposex]
- (0132) ROBINSON, B.H. E-waste: an assessment of global production and environmental impacts. *Science of the Total Environment*, 408(2), 183-191, 2009. [Review]
- (0133) ROSALES-HOZ, L.; CARRANZA-EDWARDS, A.; SANVICENTE-ANORVE, L.; ALATORRE-MENDIETA, M.A.; RIVERA-RAMIREZ, F. Distribution of dissolved trace metals around the Sacrificos Coral Reef Island, in the Southwestern Gulf of Mexico. *Bulletin of Environmental Contamination and Toxicology*, 83(5), 713-719, 2009. [Cu; Ni; Pb; V]
- (0134) SANTOS, D.M.; ARAUJO, I.P.; MACHADO, E.C.; CARVALHO-FILHO, M.A.S.; FERNANDEZ, M.A.; MARCHI, M.R.R.; GODOI, A.F.L. Organotin compounds in the Paranagua Estuarine Complex, Parana, Brazil: evaluation of biological effects, surface sediment, and suspended particulate matter. *Marine Pollution Bulletin*, 58(12), 1926-1931, 2009. [Imposex; monobutyltin; dibutyltin; TBT; monophenyltin; diphenyltin; triphenyltin]
- (0135) SANTOS-ECHEANDIA, J.; PREGO, R.; COBELO-GARCIA, A.; MILLWARD, G.E. Porewater geochemistry in a Galician Ria (NW Iberian Peninsula): implications for benthic fluxes of dissolved trace elements (Co, Cu, Ni, Pb, V, Zn). *Marine Chemistry*, 117(1-4), 77-87, 2009.
- (0136) SCHIPPER, C.A., (ET AL). A retrospective analysis to explore the applicability of fish biomarkers and sediment bioassays along contaminated salinity transects. *ICES Journal of Marine Science*, 66(10), 2089-2105, 2009. [Arsenic; Cd; Cr; Cu; Hg; Ni; Pb; Zn; PAHs; PCBs; organochlorine pesticides; Rotterdam; Amsterdam]
- (0137) TOWNSEND, A.T.; SNAPE, I.; PALMER, A.S.; SEEN, A.J. Lead isotopic signatures in Antarctic marine sediment cores: a comparison between 1 M HCl partial extraction and HF total digestion pre-treatments for discerning anthropogenic inputs. *Science of the Total Environment*, 408(2), 382-389, 2009. [Pb]

(0138) TRANCHIDA, G.; BELLANCA, A.; ANGELONE, M.; BONANNO, A.; LANGONE, L.; MAZZOLA, S.; NERI, R.; PATTI, B. Chronological records of metal deposition in sediments from the Strait of Sicily, central Mediterranean: assessing natural fluxes and anthropogenic alteration. *Journal of Marine Systems*, 79(1/2), 157-172, 2010. [Arsenic; Cd; Co; Cr; Cu; Hg; Mn; Ni; Pb; Sb; V; Zn]

(0139) VENKATESH, G.; BRATTEBO, H. Changes in material flows, treatment efficiencies and shifting of environmental loads in the wastewater treatment sector. Part I: case study of the Netherlands. *Environmental Technology*, 30(11), 1111-1129, 2009.

(0140) VENKATESH, G.; BRATTEBO, H. Changes in material flows, treatment efficiencies and shifting of environmental loads in the wastewater treatment sector. Part II: case study of Norway. *Environmental Technology*, 30(11), 1131-1143, 2009.

(0141) WALLENSTEIN, F.M.; TORRAO, D.F.; NETO, A.I.; WILKINSON, M.; RODRIGUES, A.S. Effect of exposure time on the bioaccumulation of Cd, Mg, Mn and Zn in *Cystoseira abies-marina* samples subject to shallow water hydrothermal activity in Sao Miguel (Azores). *Marine Ecology*, 30(Issue s1), 118-122, 2009.

(0142) WANG, C.-Z. Environment quality evaluation for the abalone culture coastal areas of Putian using the method of discomfort index. [In Chinese with English summary]. *Journal of Shanghai Ocean University*, 18(6), 728-733, 2009. [Cd; Cu; Hg; Pb; Zn; nutrients; pH; oil]

(0143) WANG, D.; WILHELMY, S.A.S. Vanadium speciation and cycling in coastal waters. *Marine Chemistry*, 117(1-4), 52-58, 2009.

(0144) ZHONG, H.; WANG, W.-X. Controls of dissolved organic matter and chloride on mercury uptake by a marine diatom. *Environmental Science and Technology*, 43(23), 8998-9003, 2009. [Hg; methylmercury]

Section 4: Radioactivity

(0145) GAO, K.; RUAN, Z.; VILLAFANE, V.E.; GATTUSO, J.-P.; HELBLING, E.W. Ocean acidification exacerbates the effect of UV radiation on the calcifying phytoplankter *Emiliana huxleyi*. *Limnology and Oceanography*, 54(6), 1855-1862, 2009. [CO₂]

(0146) HERNANDEZ, E.A.; FERREYRA, G.A.; RUBERTO, L.A.M.; MAC CORMACK, W.P. The water column as an attenuating factor of the UVR effects on bacteria from a coastal Antarctic marine environment. *Polar Research*, 28(3), 390-398, 2009. [UV-A; UV-B]

(0147) OH, J.-S.; WARWICK, P.E.; CROUDACE, I.W. Spatial distribution of ²⁴¹Am, ¹³⁷Cs, ²³⁸Pu, ^{239,240}Pu and ²⁴¹Pu over 17 year periods in the Ravenglass saltmarsh, Cumbria, UK. *Applied Radiation and Isotopes*, 67(7/8), 1484-1492, 2009.

Section 5: Other Chemicals

- (0148) ALMEIDA, C.M.R.; DIAS, A.C.; MUCHA, A.P.; BORDALO, A.A.; VASCONELOS, M.T.S.D. Study of the influence of different organic pollutants on Cu accumulation by *Halimione portulacoides*. *Estuarine, Coastal and Shelf Science*, 85(4), 627-632, 2009. [DDE; monobutyltin; Triton X-100; PAHs]
- (0149) ANDERSSON, A.J.; KUFFNER, I.B.; MACKENZIE, F.T; JOKIEL, P.L.; RODGERS, K.S.; TAN, A. Net loss of CaCO₃ from coral reef communities due to human induced seawater acidification. *Biogeosciences Discussions*, 6(1), 2163-2182, 2009. [Ocean acidification; pH; CO₂]
- (0150) ANTHONY, K.R.N.; KLINE, D.I.; DIAZ-PULIDO, G.; DOVE, S.; HOEGH-GULDBERG, O. Ocean acidification causes bleaching and productivity loss in coral reef builders. *Proceedings of the National Academy of Sciences, USA*, 105(45), 17442-17446, 2008. [CO₂; pH]
- (0151) AOKI, J.; NAGAE, M.; TAKAO, Y.; HARA, A.; LEE, Y.-D.; YEO, I.-K.; LIM, B.-S.; PARK, C.-B.; SOYANO, K. Survey of contamination of estrogenic chemicals in Japanese and Korean coastal waters using the wild grey mullet (*Mugil cephalus*). *Science of the Total Environment*, 408(3), 660-665, 2010. [Endocrine disruptors; vitellogenin]
- (0152) ARNOLD, K.E.; FINDLAY, H.S.; SPICER, J.I.; DANIELS, C.L.; BOOTHROYD, D. Effect of CO₂-related acidification on aspects of the larval development of the European lobster, *Homarus gammarus* (L.). *Biogeosciences*, 6(8), 1747-1754, 2009. [Ocean acidification]
- (0153) ARNOLD, K.E.; FINDLAY, H.S.; SPICER, J.I.; DANIELS, C.L.; BOOTHROYD, D. Effect of CO₂-related acidification on aspects of the larval development of the European lobster, *Homarus gammarus* (L.). *Biogeosciences Discussions*, 6(2), 3087-3107, 2009. [Ocean acidification; pH]
- (0154) ARTHUR, K.E.; PAUL, V.J.; PAERL, H.W.; O'NEIL, J.M.; JOYNER, J.; MEICKLE, T. Effects of nutrient enrichment of the cyanobacterium *Lyngbya* sp. on growth, secondary metabolite concentration and feeding by the specialist grazer *Stylocheilus striatus*. *Marine Ecology Progress Series*, 394, 101-110, 2009. [HAB]
- (0155) BELLERBY, R.G.J.; SCHULZ, K.G.; RIEBESELL, U.; NEILL, C.; NONDAL, G.; HEEGAARD, E.; JOHANNESSEN, T.; BROWN, K.R. Marine ecosystem community carbon and nutrient uptake stoichiometry under varying ocean acidification during the PeECE III experiment. *Biogeosciences*, 5(6), 1517-1527, 2008. [CO₂; pH]
- (0156) BLAIR, J.D.; IKONOMOU, M.G.; KELLY, B.C.; SURRIDGE, B.; GOBAS, F.A.P.C. Ultra-trace determination of phthalate ester metabolites in seawater, sediments, and biota from an urbanized marine inlet by LC/ESI-MS/MS. *Environmental Science and Technology*, 43(16), 6262-6268, 2009.
- (0157) BODIGUEL, X.; LOIZEAU, V.; LE GUELLEC, A.-M.; ROUPSARD, F.; PHILIPPON, X.; MELLON-DUVAL, C. Influence of sex, maturity and reproduction on PCB and p,p'DDE concentrations and repartitions in the European hake (*Merluccius merluccius*, L.) from the Gulf of Lions (N.W. Mediterranean). *Science of the Total Environment*, 408(2), 304-311, 2009.
- (0158) BOUDOURESQUE, C.F.; BERNARD, G.; PERGENT, G.; SHILI, A.; VERLAQUE, M. Regression of Mediterranean seagrasses caused by natural processes and anthropogenic disturbances and stress: a critical review. *Botanica Marina*, 52(5), 395-418, 2009. [Review; coastal development; industrial and urban pollution; trawling; mooring; fish farming; dredging; sand extraction; dumping; laying underwater pipes and cables; explosives; brine discharges; introduced species; climate change]

- (0159) BOYAROVA, M.D.; LUKYANOVA, O.N. Chlorinated hydrocarbons in marine organisms of Posyet Bay (Japan Sea). [In Russian with English summary]. *Izvestiya TINRO*, 145, 271-278, 2006. [DDTs; HCHs]
- (0160) BREITBARTH, E., (ET AL). Iron biogeochemistry across marine systems at changing times - conclusions from the workshop held in Gothenburg, Sweden (14-16 May 2008). *Biogeosciences Discussions*, 6(4), 6635-6694, 2009. [Ocean acidification; pH; Fe]
- (0161) CAO, L.; CALDEIRA, K. Atmospheric CO₂ stabilization and ocean acidification. *Geophysical Research Letters*, 35, L19609, 2008. [pH]
- (0162) CAPIELLO, A.; FAMIGLINI, G.; PALMA, P.; TERMOPOLI, V.; TRUFELLI, H.; DI MENTO, R.; MANNOZZI, M. LC-ESI-MS determination of diethylene glycol pollution in sea water samples collected around gas extraction platform plants. *Talanta*, 80(1), 257-262, 2009.
- (0163) CHING, B.; CHEW, S.F.; WONG, W.P.; IP, Y.K. Environmental ammonia exposure induces oxidative stress in gills and brain of *Boleophthalmus boddarti* (mudskipper). *Aquatic Toxicology*, 95(3), 203-212, 2009.
- (0164) DE NOOIJER, L.J.; TOYOFUKU, T.; KITAZATO, H. Foraminifera promote calcification by elevating their intracellular pH. *Proceedings of the National Academy of Sciences, USA*, 106(36), 15374-15378, 2009. [Ocean acidification]
- (0165) DELGADO, G.; GLAZER, R.; WETZEL, D. The effects of mosquito control pesticides on competent queen conch (*Strombus gigas*) larvae. *Proceedings of the Gulf and Caribbean Fisheries Institute*, (60), p.637, 2008. [Naled; permethrin]
- (0166) DICKHUT, R.M.; DESHPANDE, A.D.; CINCINELLI, A.; COCHRAN, M.A.; CORSOLINI, S.; BRILL, R.W.; SECOR, D.H.; GRAVES, J.E. Atlantic bluefin tuna (*Thunnus thynnus*) population dynamics delineated by organochlorine tracers. *Environmental Science and Technology*, 43(22), 8522-8527, 2009. [Trans-Atlantic migrations; nonachlor/PCB ratio]
- (0167) DIKOU, A. Skeletal linear extension rates of the foliose scleractinian coral *Merulina ampliata* (Ellis & Solander, 1786) in a turbid environment. *Marine Ecology*, 30(4), 405-415, 2009. [Sediment load; nutrient load; suspended particulate matter; dredging; reclamation]
- (0168) DUPONT, S.; THORNDYKE, M.C. Impact of CO₂-driven ocean acidification on invertebrates early life-history - what we know, what we need to know and what we can do. *Biogeosciences Discussions*, 6(2), 3109-3131, 2009. [pH; review]
- (0169) ELLIS, R.P.; BERSEY, J.; RUNDLE, S.D.; HALL-SPENCER, J.M.; SPICER, J.I. Subtle but significant effects of CO₂ acidified seawater on embryos of the intertidal snail, *Littorina obtusata*. *Aquatic Biology*, 5(1), 41-48, 2009. [Ocean acidification; pH]
- (0170) FARRELL, A.P.; ELIASON, E.J.; SANDBLOM, E.; CLARK, T.D. Fish cardiorespiratory physiology in an era of climate change. *Canadian Journal of Zoology*, 87(10), 835-851, 2009. [Review]
- (0171) FIGUEIREDO DA SILVA, J.; DUCK, R.W.; CATARINO, J.B. Nutrient retention in the sediments and the submerged aquatic vegetation of the coastal lagoon of the Ria de Aveiro, Portugal. *Journal of Sea Research*, 62(4), 276-285, 2009.
- (0172) FORREST, B.M.; KEELE, N.B.; HOPKINS, G.A.; WEBB, S.C.; CLEMENT, D.M. Bivalve aquaculture in estuaries: review and synthesis of oyster cultivation effects. *Aquaculture*, 298(1/2), 1-15, 2009.

- (0173) GACIA, E.; COSTALAGO, D.; PRADO, P.; PIORNO, D.; TOMAS, F. Mesograzers in *Posidonia oceanica* meadows: an update of data on gastropod-epiphyte-seagrass interactions. *Botanica Marina*, 52(5), 439-447, 2009. [Eutrophication; nutrient enrichment]
- (0174) GAO, K.; RUAN, Z.; VILLAFANE, V.E.; GATTUSO, J.-P.; HELBLING, E.W. Ocean acidification exacerbates the effect of UV radiation on the calcifying phytoplankter *Emiliana huxleyi*. *Limnology and Oceanography*, 54(6), 1855-1862, 2009. [CO₂]
- (0175) GERMIRLI BABUNA, F.; CAMUR, S.; ALATON, I.A.; OKAY, O.; ISKENDER, G. The application of ozonation for the detoxification and biodegradability improvement of a textile auxiliary: naphthalene sulphonic acid. *Desalination*, 249(2), 682-686, 2009.
- (0176) GHEDIRA, J.; JEBALI, J.; BOURAOUI, Z.; BANNI, M.; CHOUBA, L.; BOUSSETTA, H. Acute effects of chlorpyrifos-ethyl and secondary treated effluents on acetylcholinesterase and butyrylcholinesterase activities in *Carcinus maenas*. *Journal of Environmental Sciences*, 21(10), 1467-1472, 2009.
- (0177) GRECO, L.; SERRANO, R.; BLANES, M.A.; SERRANO, E.; CAPRI, E. Bioaccumulation markers and biochemical responses in European sea bass (*Dicentrarchus labrax*) raised under different environmental conditions. *Ecotoxicology and Environmental Safety*, 73(1), 38-45, 2010. [PCB congeners; DDTs; HCB; heptachlor; metoxychlor; mirex]
- (0178) HALL, A.J.; THOMAS, G.O.; MCCONNELL, B.J. Exposure to persistent organic pollutants and first-year survival probability in gray seal pups. *Environmental Science and Technology*, 43(16), 6364-6369, 2009. [Born at the Isle of May; PCBs; PBDEs; DDTs; HCHs; chlordanes; HCB]
- (0179) HALLORAN, P.R.; HALL, I.R.; COLMENERO-HIDALGO, E.; RICKABY, R.E.M. Evidence for a multi-species coccolith volume change over the past two centuries: understanding a potential ocean acidification response. *Biogeosciences*, 5(6), 1651-1655, 2008. [CO₂; pH]
- (0180) HARVEY, L.D.D. Mitigating the atmospheric CO₂ increase and ocean acidification by adding limestone powder to upwelling regions. *Journal of Geophysical Research*, 113, C04028, 2008. [pH]
- (0181) HAVENHAND, J.N.; BUTTLER, F.-R.; THORNDYKE, M.C.; WILLIAMSON, J.E. Near-future levels of ocean acidification reduce fertilization success in a sea urchin. *Current Biology*, 18(15), p.R651, 2008. [CO₂; pH]
- (0182) HERZKE, D.; NYGARD, T.; BERGER, U.; HUBER S.; ROV, N. Perfluorinated and other persistent halogenated organic compounds in European shag (*Phalacrocorax aristotelis*) and common eider (*Somateria mollissima*) from Norway: a suburban to remote pollutant gradient. *Science of the Total Environment*, 408(2), 340-348, 2009. [PCB congeners; DDTs; PBDEs; HCHs; HCB; heptachlor; heptachlor epoxide; chlordanes; toxaphenes; PFCs]
- (0183) HESTER, K.C.; PELTZER, E.T.; KIRKWOOD, W.J.; BREWER, P.G. Unanticipated consequences of ocean acidification: a noisier ocean at lower pH. *Geophysical Research Letters*, 35, L19601, 2008. [CO₂; pH; decrease in ocean sound absorption]
- (0184) JENSSEN, B.M.; AARNES, J.B.; MURVOLL, K.-M.; HERZKE, D.; NYGARD, T. Fluctuating wing asymmetry and hepatic concentrations of persistent organic pollutants are associated in European shag (*Phalacrocorax aristotelis*) chicks. *Science of the Total Environment*, 408(3), 578-585, 2010. [Chlordanes; DDTs; HCB; HCHs; PBDEs; PCB congeners; toxaphene; Parlar 26; Parlar 50]
- (0185) KLECKA, G.M.; STAPLES, C.A.; CLARK, K.E.; VAN DER HOEVEN, N.; THOMAS, D.E.; HENTGES, S.G. Exposure analysis of bisphenol A in surface water systems in North America and Europe. *Environmental Science and Technology*, 43(16), 6145-6150, 2009.

- (0186) KOELMANS, A.A.; KAAG, K.; SNEEKES, A.; PEETERS, E.T.H.M. Triple domain in situ sorption modeling of organochlorine pesticides, polychlorobiphenyls, polyaromatic hydrocarbons, polychlorinated dibenzo-p-dioxins, and polychlorinated dibenzofurans in aquatic sediments. *Environmental Science and Technology*, 43(23), 8847-8853, 2009. [DDE; PAH; PCB; PCDD; PCDF]
- (0187) KORAN, K.M.; VENOSA, A.D.; LUEDEKER, C.C.; DUNNIGAN, K.; SORIAL, G.A. Development and testing of a new protocol for evaluating the effectiveness of oil spill surface washing agents. *Marine Pollution Bulletin*, 58(12), 1903-1908, 2009. [Surfactants; SWA]
- (0188) LAIKA, H.E.; GOYET, C.; VOUVE, F.; POISON, A.; TOURATIER, F. Interannual properties of the CO₂ system in the Southern Ocean south of Australia. *Antarctic Science*, 21(6), 663-680, 2009.
- (0189) LENTON, A.; CODRON, F.; BOPP, L.; METZL, N.; CADULE, P.; TAGLIABUE, A.; LE SOMMER, J. Stratospheric ozone depletion reduces ocean carbon uptake and enhances ocean acidification. *Geophysical Research Letters*, 36, L12606, 2009. [CO₂; pH]
- (0190) LI, Y.; BRUSH, M.J.; WANG, H.V.; ANDERSON, I.C.; SISSON, G.M. Effects of benthic microalgae on eutrophication processes -- a laboratory experiment and the model simulation. In: Spaulding, M.L., (editor). *Estuarine and coastal modeling. Proceedings of the Tenth International Conference, November 5-7, 2007 Newport, Rhode Island, sponsored by University of Rhode Island.* p.590-606. Virginia: American Society of Civil Engineers, 2008. [Nutrients]
- (0191) LIN, C.Y., (ET AL). Characterization of the metabolic actions of crude versus dispersed oil in salmon smolts via NMR-based metabolomics. *Aquatic Toxicology*, 95(3), 230-238, 2009. [Corexit 9500]
- (0192) LIU, X.; YU, Z.; SONG, X.; CAO, X. The nitrogen isotopic composition of dissolved nitrate in the Yangtze River (Changjiang) estuary, China. *Estuarine, Coastal and Shelf Science*, 85(4), 641-650, 2009. [Nutrients]
- (0193) LUBICK, N. Contaminants reveal tuna's origins. *Environmental Science and Technology*, 43(22), p.8477, 2009. [PCB153; PCB187; chlordanes]
- (0194) MANZELLO, D.P.; KLEYPAS, J.A.; JOAN, A.; BUDD, D.A.; EAKIN, C.M.; GLYNN, P.W.; LANGDON, C. Poorly cemented coral reefs of the eastern tropical Pacific: possible insights into reef development in a high-CO₂ world. *Proceedings of the National Academy of Sciences, USA*, 105(30), 10450-10455, 2008. [Ocean acidification; pH]
- (0195) MARTIN, S.; GATTUSO, J.-P. Response of Mediterranean coralline algae to ocean acidification and elevated temperature. *Global Change Biology*, 15(8), 2089-2100, 2009.
- (0196) MARTIN, S.; RODOLFO-METALPA, R.; RANSOME, E.; ROWLEY, S.; BUIA, M.-C.; GATTUSO, J.-P.; HALL-SPENCER, J. Effects of naturally acidified seawater on seagrass calcareous epibionts. *Biology Letters*, 4(6), 689-692, 2008. [CO₂; pH; ocean acidification]
- (0197) MATTHEWS, H.D.; CAO, L.; CALDEIRA, K. Sensitivity of ocean acidification to geoengineered climate stabilization. *Geophysical Research Letters*, 36, L10706, 2009. [CO₂; pH]
- (0198) MCNEIL, B.I.; MATEAR, R.J. Southern Ocean acidification: a tipping point at 450-ppm atmospheric CO₂. *Proceedings of the National Academy of Sciences, USA*, 105(48), 18860-18864, 2008. [pH]
- (0199) MEAD, R.N.; MORGAN, J.B.; AVERY, G.B., JR.; KIEBER, R.J.; KIRK, A.M.; SKRABAL, S.A.; WILLEY, J.D. Occurrence of the artificial sweetener sucralose in coastal and marine waters of the United States. *Marine Chemistry*, 116(1-4), 13-17, 2009. [Splenda (R)]

- (0200) MOEL, H.; GANSSEN, G.M.; PEETERS, F.J.; JUNG, S.J.; BRUMMER, G.J.; KROON, D.; ZEEBE, R.E. Planktic foraminiferal shell thinning in the Arabian Sea due to anthropogenic ocean acidification? *Biogeosciences Discussions*, 6(1), 1811-1835, 2009. [CO₂; pH]
- (0201) MOORE, M.T.; KROGER, R.; LOCKE, M.A.; CULLUM, R.F.; STEINRIEDE, R.W., JR.; TESTA, S., III; LIZOTTE, R.E., JR.; BRYANT, C.T.; COOPER, C.M. Nutrient mitigation capacity in Mississippi Delta, USA drainage ditches. *Environmental Pollution*, 158(1), 175-184, 2010. [Nutrient loads; phytoremediation; sediment load; runoff]
- (0202) MOY, A.D.; HOWARD, W.R.; BRAY, S.G.; TRULL, T.W. Reduced calcification in modern Southern Ocean planktonic foraminifera. *Nature Geoscience*, 2(4), 276-280, 2009. [CO₂; pH; ocean acidification]
- (0203) MUNDAY, P.L.; DIXSON, D.L.; DONELSON, J.M.; JONES, G.P.; PRATCHETT, M.S.; DEVITSINA, G.V.; DOVING, K.B. Ocean acidification impairs olfactory discrimination and homing ability of a marine fish. *Proceedings of the National Academy of Sciences*, 106(6), 1848-1852, 2009. [CO₂; pH]
- (0204) MUNDAY, P.L.; DONELSON, J.M.; ENDO, G.G.K. Effects of ocean acidification on the early life history of a tropical marine fish. *Proceedings of the Royal Society of London, Series B*, 276(1671), 3275-3283, 2009. [CO₂; pH]
- (0205) O'BRIEN, J.; BERROW, S.; MCGRATH, D.; EVANS, P. Cetaceans in Irish waters: a review of recent research. *Biology and Environment: Proceedings of the Royal Irish Academy*, 109B(2), 63-88, 2009. [Surveys; strandings; threats; health; behaviour; climate change]
- (0206) OLSSON, R. Ocean acidification - the other CO₂ problem. *Acid News*, 1, 18-19, 2009. [pH]
- (0207) PARK, J.-S., (ET AL). Time-trends and congener profiles of PBDEs and PCBs in California peregrine falcons (*Falco peregrinus*). *Environmental Science and Technology*, 43(23), 8744-8751, 2009.
- (0208) PARKS, N. Is regulation on ocean acidification on the horizon? *Environmental Science and Technology*, 43(16), 6118-6119, 2009. [CO₂; pH]
- (0209) PELLETIER, N.; TYEDMERS, P.; SONESSON, U.; SCHOLZ, A.; ZIEGLER, F.; FLYSJO, A.; KRUSE, S.; CANCINO, B.; SILVERMAN, H. Not all salmon are created equal: life cycle assessment (LCA) of global salmon farming systems. *Environmental Science and Technology*, 43(23), 8730-8736, 2009. [Energy use; biotic resource use; greenhouse gas; acidification; eutrophication; UK; Norway; Canada; Chile]
- (0210) POLLUMAE, A.; KOTTA, J.; LEISK, U. Scale-dependent effects of nutrient loads and climatic conditions on benthic and pelagic communities in the Gulf of Finland. *Marine Ecology*, 30(Issue s1), 20-32, 2009. [Eutrophication]
- (0211) POLOCZANSKA, E.S.; LIMPUS, C.J.; HAYS, G.C. Vulnerability of marine turtles to climate change. *Advances in Marine Biology*, 56, 151-211, 2009. [Ocean acidification; CO₂; pH; review]
- (0212) REID, P.C.; FISCHER, A.C.; LEWIS-BROWN, E.; MERIDITH, M.P.; SPARROW, M.; ANDERSSON, A.J.; ANTIA, A.; BATES, N.R.; BATHMANN, U.; BEAUGRAND G.; BRIX, H.; DYE, S.; EDWARDS, M.; FUREVIK, T.; GANGSTO, R.; HATUN, H.; HOPCROFT, R.R.; KENDALL, M.; KASTEN, S.; KEELING, R.; LE QUERE, C.; MACKENZIE, F.T.; MALIN, G.; MAURITZEN, C.; OLAFSSON, J.; PAULL, C.; RIGNOT, E.; SHIMADA, K.; VOGT, M.; WALLACE, C.; WANG, Z.; WASHINGTON, R. Impacts of the oceans on climate change. *Advances in Marine Biology*, 56, 1-150, 2009. [CO₂; ocean acidification; pH; review]

- (0213) RIDGWELL, A.; SCHMIDT, D.N.; TURLEY, C.; BROWNLEE, C.; MALDONADO, M.T.; TORTELL, P.; YOUNG, J.R. From laboratory manipulations to earth system models: predicting pelagic calcification and its consequences. *Biogeosciences Discussions*, 6(2), 3455-3480, 2009. [Ocean acidification; CO₂; pH]
- (0214) ROACH, A.C.; WILSON, S.P. Ecological impacts of tributyltin on estuarine communities in the Hastings River, NSW Australia. *Marine Pollution Bulletin*, 58(12), 1780-1786, 2009. [TBT; imposex]
- (0215) ROBERTS, D.; HOWARD, W.R.; MOY, A.D.; ROBERTS, J.L.; TRULL, T.W.; BRAY, S.G.; HOPCROFT, R.R. Interannual variability of pteropod shell weights in the high-CO₂ Southern Ocean. *Biogeosciences Discussions*, 5(6), 4453-4480, 2008. [Ocean acidification; pH]
- (0216) ROBINSON, B.H. E-waste: an assessment of global production and environmental impacts. *Science of the Total Environment*, 408(2), 183-191, 2009. [Review]
- (0217) RODER, C.; CORTES, J.; JIMENEZ, C.; LARA, R. Riverine input of particulate material and inorganic nutrients to a coastal reef ecosystem at the Caribbean coast of Costa Rica. *Marine Pollution Bulletin*, 58(12), 1937-1943, 2009. [Particulate matter; nutrients; sedimentation]
- (0218) RODRIGUES, M.; OLIVEIRA, A.; QUEIROGA, H.; ZHANG, Y.J.; FORTUNATO, A.B.; BAPTISTA, A.M. Integrating a circulation model and an ecological model to simulate the dynamics of zooplankton. In: Spaulding, M.L., (editor). *Estuarine and coastal modeling. Proceedings of the Tenth International Conference, November 5-7, 2007 Newport, Rhode Island, sponsored by University of Rhode Island.* p.427-446. Virginia: American Society of Civil Engineers, 2008. [Anthropogenic impact; nutrients; faecal organic matter]
- (0219) ROSA, R.; SEIBEL, B.A. Synergistic effects of climate-related variables suggest future physiological impairment in a top oceanic predator. *Proceedings of the National Academy of Sciences, USA*, 105(52), 20776-20780, 2008. [CO₂; pH; ocean acidification; hypoxia jumbo squid]
- (0220) ROTHENBERGER, M.B.; BURKHOLDER, J.M.; WENTWORTH, T.R. Use of long-term data and multivariate ordination techniques to identify environmental factors governing estuarine phytoplankton species dynamics. *Limnology and Oceanography*, 54(6), 2107-2127, 2009. [Eutrophication; nutrients]
- (0221) RUIZ, J.M.; MARIN-GUIRAO, L.; SANDOVAL-GIL, J.M. Responses of the Mediterranean seagrass *Posidonia oceanica* to in situ simulated salinity increase. *Botanica Marina*, 52(5), 459-470, 2009. [Desalination plant effluent; brine impact; hypersalinity]
- (0222) SANTOS, D.M.; ARAUJO, I.P.; MACHADO, E.C.; CARVALHO-FILHO, M.A.S.; FERNANDEZ, M.A.; MARCHI, M.R.R.; GODOI, A.F.L. Organotin compounds in the Paranagua Estuarine Complex, Parana, Brazil: evaluation of biological effects, surface sediment, and suspended particulate matter. *Marine Pollution Bulletin*, 58(12), 1926-1931, 2009. [Imposex; monobutyltin; dibutyltin; TBT; monophenyltin; diphenyltin; triphenyltin]
- (0223) SCHIPPER, C.A., (ET AL). A retrospective analysis to explore the applicability of fish biomarkers and sediment bioassays along contaminated salinity transects. *ICES Journal of Marine Science*, 66(10), 2089-2105, 2009. [Arsenic; Cd; Cr; Cu; Hg; Ni; Pb; Zn; PAHs; PCBs; organochlorine pesticides; Rotterdam; Amsterdam]
- (0224) SHADWICK, E.H.; PAPAKYRIAKOU, T.; PROWE, A.E.F.; LEONG, D.; MOORE, S.A.; THOMAS, H. Carbon cycling in the Arctic Archipelago: the export of Pacific carbon to the North Atlantic. *Biogeosciences Discussions*, 6(1), 971-994, 2009. [CO₂; ocean acidification]

- (0225) SHEIKH, M.A.; FUJIMURA, H.; MIYAGI, T.; UECHI, Y.; YOKOTA, T.; YASUMURA, S.; OOMORI, T. Detection and ecological threats of PSII herbicide diuron on coral reefs around the Ryukyu Archipelago, Japan. *Marine Pollution Bulletin*, 58(12), 1922-1926, 2009.
- (0226) SHI, D.; XU, Y.; MOREL, F.M.M. Effects of the pH/pCO₂ control method in the growth medium of phytoplankton. *Biogeosciences Discussions*, 6(1), 2415-2439, 2009. [Ocean acidification; CO₂]
- (0227) SILVERMAN, J.; LAZAR, B.; CAO, L.; CALDEIRA, K.; EREZ, J. Coral reefs may start dissolving when atmospheric CO₂ doubles. *Geophysical Research Letters*, 36, L05606, 2009. [Ocean acidification; pH]
- (0228) SKOGEN, M.D.; EKNES, M.; ASPLIN, L.C.; SANDVIK, A.D. Modelling the environmental effects of fish farming in a Norwegian fjord. *Aquaculture*, 298(1/2), 70-75, 2009. [Eutrophication; nutrients; particulate matter]
- (0229) SMOLARZ, K.; BERGER, A. Long-term toxicity of hexabromocyclododecane (HBCDD) to the benthic clam *Macoma balthica* (L.) from the Baltic Sea. *Aquatic Toxicology*, 95(3), 239-247, 2009.
- (0230) STEINACHER, M.; JOOS, F.; FROELICHER, T.L.; PLATTNER, G.-K.; DONEY, S.C. Imminent ocean acidification projected with the NCAR global coupled carbon cycle-climate model. *Biogeosciences Discussions*, 5(6), 4353-4393, 2008. [CO₂; pH]
- (0231) SUMNER, N.R.; GUITART, C.; FUENTES, G.; READMAN, J.W. Inputs and distributions of synthetic musk fragrances in an estuarine and coastal environment; a case study. *Environmental Pollution*, 158(1), 215-222, 2010. [Galaxolide (HHCB); Tonalide (AHTN); Celestolide (ADBI); Pantolide (AHMI); Pentadecanolide; Musk Xylene (MX); Musk Ketone (MK); Tamar estuary; Plymouth Sound; sewage treatment plant effluent]
- (0232) TALMAGE, S.C.; GOBLER, C.J. The effects of elevated carbon dioxide concentrations on the metamorphosis, size, and survival of larval hard clams (*Mercenaria mercenaria*), bay scallops (*Argopecten irradians*), and Eastern oysters (*Crassostrea virginica*). *Limnology and Oceanography*, 54(6), 2072-2080, 2009. [CO₂; ocean acidification]
- (0233) TOKSEN, E.; NEMLI, E.; CANKURT, M. The effect of Teflubenzuron on the control of *Lernanthropus kroyeri* (van Beneden, 1851) (Lernanthropidae) infestations in cultured sea bass, *Dicentrarchus labrax* (Linnaeus, 1758). *Bulletin of the European Association of Fish Pathologists*, 29(6), 205-209, 2009. [Treatment not effective against larval and mature stages; no adverse effects on host]
- (0234) TUNNICLIFFE, V.; DAVIES, K.T.A.; BUTTERFIELD, D.A.; EMBLEY, R.W.; ROSE, J.M.; CHADWICK, W.W., JR. Survival of mussels in extremely acidic waters in a submarine volcano. *Nature Geoscience*, 2(5), 344-348, 2009. [CO₂; pH; ocean acidification]
- (0235) TYRRELL, T.; SCHNEIDER, B.; CHARALAMPOPOULOU, A.; RIEBESELL, U. Coccolithophores and calcite saturation state in the Baltic and Black Seas. *Biogeosciences*, 5(2), 485-494, 2008. [Ocean acidification; CO₂]
- (0236) UCHIKAWA, J.; ZEEBE, R.E. Influence of terrestrial weathering on ocean acidification and the next glacial inception. *Geophysical Research Letters*, 35, L23608, 2008. [CO₂; pH]
- (0237) VAN DER HEIJDEN, S.A.; JONKER, M.T.O. Evaluation of liposome-water partitioning for predicting bioaccumulation potential of hydrophobic organic chemicals. *Environmental Science and Technology*, 43(23), 8854-8859, 2009.

- (0238) VENKATESH, G.; BRATTEBO, H. Changes in material flows, treatment efficiencies and shifting of environmental loads in the wastewater treatment sector. Part I: case study of the Netherlands. *Environmental Technology*, 30(11), 1111-1129, 2009.
- (0239) VENKATESH, G.; BRATTEBO, H. Changes in material flows, treatment efficiencies and shifting of environmental loads in the wastewater treatment sector. Part II: case study of Norway. *Environmental Technology*, 30(11), 1131-1143, 2009.
- (0240) VETTER, W.; HAASE-ASCHOFF, P.; ROSENFELDER, N.; KOMAROVA, T.; MUELLER, J.F. Determination of halogenated natural products in passive samplers deployed along the Great Barrier Reef, Queensland/Australia. *Environmental Science and Technology*, 43(16), 6131-6137, 2009. [Comparable with anthropogenic organohalogens]
- (0241) VIZZINI, S. Analysis of the trophic role of Mediterranean seagrasses in marine coastal ecosystems: a review. *Botanica Marina*, 52(5), 383-393, 2009. [Vectors of anthropogenic nutrients]
- (0242) WANG, C.; LI, X.; LAI, Z.; TAN, X.; PANG, S.; YANG, W. Seasonal variations of *Aulacoseira granulata* population abundance in the Pearl River Estuary. *Estuarine, Coastal and Shelf Science*, 85(4), 585-592, 2009. [Eutrophication; nutrients]
- (0243) WANG, J.; CHEN, Z.; WANG, D.; SUN, X.; XU, S. Evaluation of dissolved inorganic nitrogen eliminating capability of the sediment in the tidal wetland of the Yangtze Estuary. *Journal of Geographical Sciences*, 19(4), 447-460, 2009. [Nutrients]
- (0244) WANG, Y.; QI, S.; XING, X.; GONG, X.; YANG, J.; XU, M. Distribution and ecological risk evaluation of organochlorine pesticides in sediments from Xinghua Bay, China. *Journal of Earth Science*, 20(4), 763-770, 2009. [DDTs; HCH; lindane]
- (0245) WATSON, A.J., (ET AL). Tracking the variable North Atlantic sink for atmospheric CO₂. *Science*, 326(5958), 1391-1393, 2009.
- (0246) WEI, G.; MCCULLOCH, M.T.; MORTIMER, G.; DENG, W.; XIE, L. Evidence for ocean acidification in the Great Barrier Reef of Australia. *Geochimica et Cosmochimica Acta*, 73(8), 2332-2346, 2009. [CO₂; pH]
- (0247) WOOD, H.L.; SPICER, J.I.; WIDDICOMBE, S. Ocean acidification may increase calcification rates, but at a cost. *Proceedings of the Royal Society of London, Series B*, 275(1644), 1767-1773, 2008. [CO₂; pH]
- (0248) WOOD, H.L.; WIDDICOMBE, S.; SPICER, J.I. The influence of hypercapnia and macrofauna on sediment nutrient flux - will ocean acidification affect nutrient exchange? *Biogeosciences Discussions*, 6(1), 2387-2413, 2009. [CO₂; pH; *Amphiura filiformis*]
- (0249) YEH, G.-T.; SHAN, H.; HU, G.; WU, T.-S. An integrated model of hydrodynamics and water quality transport. In: Spaulding, M.L., (editor). *Estuarine and coastal modeling. Proceedings of the Tenth International Conference, November 5-7, 2007 Newport, Rhode Island, sponsored by University of Rhode Island. p.507-542. Virginia: American Society of Civil Engineers, 2008. [Nutrients]*
- (0250) YLITALO, G.M.; BAIRD, R.W.; YANAGIDA, G.K.; WEBSTER, D.L.; CHIVERS, S.J.; BOLTON, J.L.; SCHORR, G.S.; MCSWEENEY, D.J. High levels of persistent organic pollutants measured in blubber of island-associated false killer whales (*Pseudorca crassidens*) around the main Hawaiian Islands. *Marine Pollution Bulletin*, 58(12), 1932-1937, 2009. [Chlordanes; DDTs; PBDEs; PCBs]

(0251) YOSHIMURA, T.; NISHIOKA, J.; SUZUKI, K.; HATTORI, H.; KIYOSAWA, H.; WATANABE, Y.W. Impacts of elevated CO₂ on phytoplankton community composition and organic carbon dynamics in nutrient-depleted Okhotsk Sea surface waters. *Biogeosciences Discussions*, 6(2), 4143-4163, 2009. [Ocean acidification; pH]

(0252) ZONNEVELD, K.A.F.; CHEN, L.; MOBIUS, J.; MAHMOUD, M.S. Environmental significance of dinoflagellate cysts from the proximal part of the Po-river discharge plume (off southern Italy, Eastern Mediterranean). *Journal of Sea Research*, 62(4), 189-213, 2009. [Eutrophication]

(0253) ZOU, R.; BAI, S.; PARKER, A. Hydrodynamic and eutrophication modeling for a tidal marsh impacted estuarine system using EFDC. In: Spaulding, M.L., (editor). *Estuarine and coastal modeling. Proceedings of the Tenth International Conference, November 5-7, 2007 Newport, Rhode Island, sponsored by University of Rhode Island.* p.561-589. Virginia: American Society of Civil Engineers, 2008. [Nutrients; inorganic nitrogen; organic nitrogen; organic carbon; dissolved oxygen]

Section 6: Biological Wastes

(0254) ASMAH, R.; DANKWA, H.; BINEY, C.A.; AMANKWAH, C.C. Trends analysis relating to pollution in Sakumo Lagoon, Ghana. *African Journal of Aquatic Science*, 33(1), 87-93, 2008.

(0255) BARTOLINI, F.; PENHA-LOPES, G.; LIMBU, S.; PAULA, J.; CANNICCI, S. Behavioural responses of the mangrove fiddler crabs (*Uca annulipes* and *U. inversa*) to urban sewage loadings: results of a mesocosm approach. *Marine Pollution Bulletin*, 58(12), 1860-1867, 2009.

(0256) BIRCHENOUGH, S.N.R.; FRID, C.L.J. Macrobenthic succession following the cessation of sewage sludge disposal. *Journal of Sea Research*, 62(4), 258-267, 2009. [Tyne disposal site; organic waste; litter]

(0257) BOUDOURESQUE, C.F.; BERNARD, G.; PERGENT, G.; SHILI, A.; VERLAQUE, M. Regression of Mediterranean seagrasses caused by natural processes and anthropogenic disturbances and stress: a critical review. *Botanica Marina*, 52(5), 395-418, 2009. [Review; coastal development; industrial and urban pollution; trawling; mooring; fish farming; dredging; sand extraction; dumping; laying underwater pipes and cables; explosives; brine discharges; introduced species; climate change]

(0258) COLLIER, J.L.; BAKER, K.M.; BELL, S.L. Diversity of urea-degrading microorganisms in open-ocean and estuarine planktonic communities. *Environmental Microbiology*, 11(12), 3118-3131, 2009. [Anthropogenic eutrophication]

(0259) FORREST, B.M.; KEELE, N.B.; HOPKINS, G.A.; WEBB, S.C.; CLEMENT, D.M. Bivalve aquaculture in estuaries: review and synthesis of oyster cultivation effects. *Aquaculture*, 298(1/2), 1-15, 2009.

(0260) GABR, H.R.; ALFY, S.E. Study on bacteriological and heavy metal contamination and its potential risk in fish farms in the Suez Canal Area, Egypt. *World Aquaculture*, 40(3), 16-21, 2009. [Ag; arsenic; Cd; Cr; Cu; Hg; Pb; Sn; faecal bacteria]

(0261) HYAMS-KAPHZAN, O.; ALMOGI-LABIN, A.; BENJAMINI, C.; HERUT, B. Natural oligotrophy vs. pollution-induced eutrophy on the SE Mediterranean shallow shelf (Israel): environmental parameters and benthic foraminifera. *Marine Pollution Bulletin*, 58(12), 1888-1902, 2009. [Activated sludge; organic load; urbanization nutrients; anoxia]

(0262) OLIVEIRA, A.; RODRIGUES, M.; FORTUNATO, A.B.; BERTIN, X. Numerical analysis of the impact of morphodynamics on the water quality of a coastal lagoon. In: Spaulding, M.L., (editor). *Estuarine and coastal modeling. Proceedings of the Tenth International Conference, November 5-7, 2007 Newport, Rhode Island, sponsored by University of Rhode Island. p.651-670. Virginia: American Society of Civil Engineers, 2008. [Faecal contamination plumes]*

(0263) PELLETIER, N.; TYEDMERS, P.; SONESSON, U.; SCHOLZ, A.; ZIEGLER, F.; FLYSJO, A.; KRUSE, S.; CANCINO, B.; SILVERMAN, H. Not all salmon are created equal: life cycle assessment (LCA) of global salmon farming systems. *Environmental Science and Technology*, 43(23), 8730-8736, 2009. [Energy use; biotic resource use; greenhouse gas; acidification; eutrophication; UK; Norway; Canada; Chile]

(0264) PENHA-LOPES, G.; BARTOLINI, F.; LIMBU, S.; CANNICCI, S.; MGAYA, Y.; KRISTENSEN, E.; PAULA, J. Ecosystem engineering potential of the gastropod *Terebralia palustris* (Linnaeus, 1767) in mangrove wastewater wetlands - a controlled mesocosm experiment. *Environmental Pollution*, 158(1), 258-266, 2010. [Sewage; bioturbation]

- (0265) RADZIEJEWSKA, T.; FENSKE, C.; WAWRZYNIAK-WYDROWSKA, B.; RIEL, P.; WOZNICZKA, A.; GRUSZKA, P. The zebra mussel (*Dreissena polymorpha*) and the benthic community in a coastal Baltic lagoon: another example of enhancement? *Marine Ecology*, 30(Issue s1), 138-150, 2009. [Organic enrichment; *Gammarus tigrinus*; *Marenzelleria neglecta*]
- (0266) RUIZ, J.M.; PEREZ, M.; ROMERO, J.; TOMAS, F. The importance of herbivory in the decline of a seagrass (*Posidonia oceanica*) meadow near a fish farm: an experimental approach. *Botanica Marina*, 52(5), 449-458, 2009. [Organic effluent; nutrient loads]
- (0267) SARA, G.; ZENONE, A.; TOMASELLO, A. Growth of *Mytilus galloprovincialis* (mollusca, bivalvia) close to fish farms: a case of integrated multi-trophic aquaculture within the Tyrrhenian Sea. *Hydrobiologia*, 636, 129-136, 2009. [Organic enrichment]
- (0268) SISSON, G.M.; JIN, Z.; CURREY, L.; SHEN, J.; JIA, J.-J. Developing a cost-effective methodology to manage fecal coliform loading in shellfish harvesting areas of Upper Chesapeake Bay, Maryland. In: Spaulding, M.L., (editor). *Estuarine and coastal modeling. Proceedings of the Tenth International Conference, November 5-7, 2007 Newport, Rhode Island*, sponsored by University of Rhode Island. p.543-560. Virginia: American Society of Civil Engineers, 2008.
- (0269) SKOGEN, M.D.; EKNES, M.; ASPLIN, L.C.; SANDVIK, A.D. Modelling the environmental effects of fish farming in a Norwegian fjord. *Aquaculture*, 298(1/2), 70-75, 2009. [Eutrophication; nutrients; particulate matter]
- (0270) TOOTHMAN, B.R.; CAHOON, L.B.; MALLIN, M.A. Phosphorus and carbohydrate limitation of fecal coliform and fecal enterococcus within tidal creek sediments. *Hydrobiologia*, 636, 401-412, 2009.
- (0271) ZOU, R.; BAI, S.; PARKER, A. Hydrodynamic and eutrophication modeling for a tidal marsh impacted estuarine system using EFDC. In: Spaulding, M.L., (editor). *Estuarine and coastal modeling. Proceedings of the Tenth International Conference, November 5-7, 2007 Newport, Rhode Island*, sponsored by University of Rhode Island. p.561-589. Virginia: American Society of Civil Engineers, 2008. [Nutrients; inorganic nitrogen; organic nitrogen; organic carbon; dissolved oxygen]

Section 7: Heat

(0272) DIAZ-ALMELA, E.; MARBA, N.; MARTINEZ, R.; SANTIAGO, R.; DUARTE, C.M. Seasonal dynamics of *Posidonia oceanica* in Magalluf Bay (Mallorca, Spain): temperature effects on seagrass mortality. *Limnology and Oceanography*, 54(6), 2170-2182, 2009.

(0273) FARRELL, A.P.; ELIASON, E.J.; SANDBLOM, E.; CLARK, T.D. Fish cardiorespiratory physiology in an era of climate change. *Canadian Journal of Zoology*, 87(10), 835-851, 2009. [Review]

(0274) HILL, R.; ULSTRUP, K.E.; RALPH, P.J. Temperature induced changes in thylakoid membrane thermostability of cultured, freshly isolated, and expelled zooxanthellae from scleractinian corals. *Bulletin of Marine Science*, 85(3), 223-244, 2009.

(0275) MARTIN, S.; GATTUSO, J.-P. Response of Mediterranean coralline algae to ocean acidification and elevated temperature. *Global Change Biology*, 15(8), 2089-2100, 2009.

(0276) ROSA, R.; SEIBEL, B.A. Synergistic effects of climate-related variables suggest future physiological impairment in a top oceanic predator. *Proceedings of the National Academy of Sciences, USA*, 105(52), 20776-20780, 2008. [CO₂; pH; ocean acidification; hypoxia jumbo squid]

(0277) SILVERMAN, J.; LAZAR, B.; CAO, L.; CALDEIRA, K.; EREZ, J. Coral reefs may start dissolving when atmospheric CO₂ doubles. *Geophysical Research Letters*, 36, L05606, 2009. [Ocean acidification; pH]

(0278) SWANSON, C.; SUBBAYYA, S. Modeling of the thermal discharge from a power generating facility into a tidal-like hydropower controlled pool on the Connecticut River. In: Spaulding, M.L., (editor). *Estuarine and coastal modeling. Proceedings of the Tenth International Conference, November 5-7, 2007 Newport, Rhode Island, sponsored by University of Rhode Island.* p.978-998. Virginia: American Society of Civil Engineers, 2008.

Section 8: Solids

- (0279) AREGA, F.; ARMSTRONG, S.; BADR, A.W. Hydrodynamic and environmental impact of Edisto Beach Causeway on the Scott Creek estuary, South Carolina. In: Spaulding, M.L., (editor). Estuarine and coastal modeling. Proceedings of the Tenth International Conference, November 5-7, 2007 Newport, Rhode Island, sponsored by University of Rhode Island. p.186-202. Virginia: American Society of Civil Engineers, 2008.
- (0280) BIRCHENOUGH, S.N.R.; FRID, C.L.J. Macrobenthic succession following the cessation of sewage sludge disposal. *Journal of Sea Research*, 62(4), 258-267, 2009. [Tyne disposal site; organic waste; litter]
- (0281) BOUDOURESQUE, C.F.; BERNARD, G.; PERGENT, G.; SHILI, A.; VERLAQUE, M. Regression of Mediterranean seagrasses caused by natural processes and anthropogenic disturbances and stress: a critical review. *Botanica Marina*, 52(5), 395-418, 2009. [Review; coastal development; industrial and urban pollution; trawling; mooring; fish farming; dredging; sand extraction; dumping; laying underwater pipes and cables; explosives; brine discharges; introduced species; climate change]
- (0282) CARILLI, J.E.; PROUTY, N.G.; HUGHEN, K.A.; NORRIS, R.D. Century-scale records of land-based activities recorded in Mesoamerican coral cores. *Marine Pollution Bulletin*, 58(12), 1835-1842, 2009. [Runoff; sedimentation; Ba; Cr; Cu; Mn; Pb; Sb; Zn]
- (0283) DIKOU, A. Skeletal linear extension rates of the foliose scleractinian coral *Merulina ampliata* (Ellis & Solander, 1786) in a turbid environment. *Marine Ecology*, 30(4), 405-415, 2009. [Sediment load; nutrient load; suspended particulate matter; dredging; reclamation]
- (0284) FORREST, B.M.; KEELE, N.B.; HOPKINS, G.A.; WEBB, S.C.; CLEMENT, D.M. Bivalve aquaculture in estuaries: review and synthesis of oyster cultivation effects. *Aquaculture*, 298(1/2), 1-15, 2009.
- (0285) HERKUL, K.; KOTTA, J. Effects of eelgrass (*Zostera marina*) canopy removal and sediment addition on sediment characteristics and benthic communities in the Northern Baltic Sea. *Marine Ecology*, 30(Issue s1), 74-82, 2009.
- (0286) HYAMS-KAPHZAN, O.; ALMOGI-LABIN, A.; BENJAMINI, C.; HERUT, B. Natural oligotrophy vs. pollution-induced eutrophy on the SE Mediterranean shallow shelf (Israel): environmental parameters and benthic foraminifera. *Marine Pollution Bulletin*, 58(12), 1888-1902, 2009. [Activated sludge; organic load; urbanization nutrients; anoxia]
- (0287) INGER, R., (ET AL). Marine renewable energy: potential benefits to biodiversity? An urgent call for research. *Journal of Applied Ecology*, 46(6), 1145-1153, 2009. [Including possible negative impact; habitat loss; degradation; collision entanglement; noise; electromagnetic fields]
- (0288) JIANG, J.; FISSEL, D.B.; BORG, K. Sediment plume and deposition modeling of removal and installation of underwater electrical cables on Roberts Bank, Strait of Georgia, British Columbia, Canada. In: Spaulding, M.L., (editor). Estuarine and coastal modeling. Proceedings of the Tenth International Conference, November 5-7, 2007 Newport, Rhode Island, sponsored by University of Rhode Island. p.1019-1034. Virginia: American Society of Civil Engineers, 2008.
- (0289) LA PORTA, B.; TARGUSI, M.; LATTANZI, L.; LA VALLE, P.; PAGANELLI, D.; NICOLETTI, L. Relict sand dredging for beach nourishment in the central Tyrrhenian Sea (Italy): effects on benthic assemblages. *Marine Ecology*, 30(Issue s1), 97-104, 2009. [Recolonisation]

(0290) LAEGDSGAARD, P.; KELLEWAY, J.; WILLIAMS, R.J.; HARTY, C. Protection and management of coastal saltmarsh. In: Saintilan, N., (editor). Australian saltmarsh ecology. p.179-210. Collingwood, Australia: CSIRO Publishing, 2009.

(0291) LAVERY, P.S.; MCMAHON, K.; MULLIGAN, M.; TENNYSON, A. Interactive effects of timing, intensity and duration of experimental shading on *Amphibolis griffithii*. Marine Ecology Progress Series, 394, 21-33, 2009. [Dredging; sediment plumes]

(0292) MARTINS, C.C.; BICEGO, M.C.; ROSE, N.L.; TANIGUCHI, S.; LOURENCO, R.A.; FIGUEIRA, R.C.L.; MAHIQUES, M.M.; MONTONE, R.C. Historical record of polycyclic aromatic hydrocarbons (PAHs) and spheroidal carbonaceous particles (SCPs) in marine sediment cores from Admiralty Bay, King George Island, Antarctica. Environmental Pollution, 158(1), 192-200, 2010. [Fly-ash; anthropogenic impact]

(0293) ROBINSON, B.H. E-waste: an assessment of global production and environmental impacts. Science of the Total Environment, 408(2), 183-191, 2009. [Review]

(0294) RODER, C.; CORTES, J.; JIMENEZ, C.; LARA, R. Riverine input of particulate material and inorganic nutrients to a coastal reef ecosystem at the Caribbean coast of Costa Rica. Marine Pollution Bulletin, 58(12), 1937-1943, 2009. [Particulate matter; nutrients; sedimentation]

(0295) TRONO, A.; MOSSA, M.; ELLIOTT, M. Puglia and Salento. The coastline and wetlands of Puglia and the Salento peninsula in southern Italy. ECSA Bulletin, (53), 46-54, 2009. [Including anthropogenic impact]

Section 9: Physical Disturbance

- (0296) AREGA, F.; ARMSTRONG, S.; BADR, A.W. Hydrodynamic and environmental impact of Edisto Beach Causeway on the Scott Creek estuary, South Carolina. In: Spaulding, M.L., (editor). Estuarine and coastal modeling. Proceedings of the Tenth International Conference, November 5-7, 2007 Newport, Rhode Island, sponsored by University of Rhode Island. p.186-202. Virginia: American Society of Civil Engineers, 2008.
- (0297) BOUDOURESQUE, C.F.; BERNARD, G.; PERGENT, G.; SHILI, A.; VERLAQUE, M. Regression of Mediterranean seagrasses caused by natural processes and anthropogenic disturbances and stress: a critical review. *Botanica Marina*, 52(5), 395-418, 2009. [Review; coastal development; industrial and urban pollution; trawling; mooring; fish farming; dredging; sand extraction; dumping; laying underwater pipes and cables; explosives; brine discharges; introduced species; climate change]
- (0298) BRENNAN, M.L.; MAY, C.L.; DANMEIER, D.G.; CROOKS, S.; HALTINER, J.H. Numerical modeling of restoration alternatives in an erosional estuary. In: Spaulding, M.L., (editor). Estuarine and coastal modeling. Proceedings of the Tenth International Conference, November 5-7, 2007 Newport, Rhode Island, sponsored by University of Rhode Island. p.942-960. Virginia: American Society of Civil Engineers, 2008. [Land-use changes; jetty construction]
- (0299) CESAR, C.P.; FRID, C.L.J. Effects of experimental small-scale cockle (*Cerastoderma edule* L.) fishing on ecosystem function. *Marine Ecology*, 30(Issue s1), 123-137, 2009. [Warton Sands, Morecambe Bay; Thurstaston, Dee estuary]
- (0300) CODARIN, A.; WYSOCKI, L.E.; LADICH, F.; PICCIULIN, M. Effects of ambient and boat noise on hearing and communication in three fish species living in a marine protected area (Miramare, Italy). *Marine Pollution Bulletin*, 58(12), 1880-1887, 2009.
- (0301) FIELD, I.C.; MEEKAN, M.G.; BUCKWORTH, R.C.; BRADSHAW, C.J.A. Susceptibility of sharks, rays and chimaeras to global extinction. *Advances in Marine Biology*, 56, 275-363, 2009. [Threats; fisheries; pollution; beach meshing; alien species; review]
- (0302) GASPAR, M.B.; CARVALHO, S.; CONSTANTINO, R.; TATA-REGALA, J.; CURDIA, J.; MONTEIRO, C.C. Can we infer dredge fishing effort from macrobenthic community structure? *ICES Journal of Marine Science*, 66(10), 2121-2132, 2009.
- (0303) HERKUL, K.; KOTTA, J. Effects of eelgrass (*Zostera marina*) canopy removal and sediment addition on sediment characteristics and benthic communities in the Northern Baltic Sea. *Marine Ecology*, 30(Issue s1), 74-82, 2009.
- (0304) HESTER, K.C.; PELTZER, E.T.; KIRKWOOD, W.J.; BREWER, P.G. Unanticipated consequences of ocean acidification: a noisier ocean at lower pH. *Geophysical Research Letters*, 35, L19601, 2008. [CO₂; pH; decrease in ocean sound absorption]
- (0305) HILLS, J.; CARLISLE, M.; LE TISSIER, M.; MUIR, D.; ROBINSON, C. Landscape-scale analysis of ecosystem risk and returns: a new tool for ICZM. *Marine Policy*, 33(6), 887-900, 2009. [Case studies; northwest Europe; Durham heritage coast; South Uist; Baile Sear]
- (0306) HINTZEN, N.T.; PIET, G.J.; BRUNEL, T. Improved estimation of trawling tracks using cubic Hermite spline interpolation of position registration data. *Fisheries Research*, 101(1/2), 108-115, 2010.
- (0307) INGER, R., (ET AL). Marine renewable energy: potential benefits to biodiversity? An urgent call for research. *Journal of Applied Ecology*, 46(6), 1145-1153, 2009. [Including possible negative impact; habitat loss; degradation; collision entanglement; noise; electromagnetic fields]

- (0308) JONES, D.; FRID, C.L.J. Altering intertidal sediment topography: effects on biodiversity and ecosystem functioning. *Marine Ecology*, 30(Issue s1), 83-96, 2009. [Dee estuary]
- (0309) KOLDITZ, K.; DELLWIG, O.; BARKOWSKI, J.; BECK, M.; FREUND, H.; BRUMSACK, H.-J. Effects of de-embankment on pore water geochemistry of salt marsh sediments. *Journal of Coastal Research*, 25(6), 1222-1235, 2009. [Langeoog]
- (0310) KRAG, L.A.; HOLST, R.; MADSEN, N.; HANSEN, K.; FRANDBSEN, R.P. Selective haddock (*Melanogrammus aeglefinus*) trawling: avoiding cod (*Gadus morhua*) bycatch. *Fisheries Research*, 101(1/2), 20-26, 2010.
- (0311) LA PORTA, B.; TARGUSI, M.; LATTANZI, L.; LA VALLE, P.; PAGANELLI, D.; NICOLETTI, L. Relict sand dredging for beach nourishment in the central Tyrrhenian Sea (Italy): effects on benthic assemblages. *Marine Ecology*, 30(Issue s1), 97-104, 2009. [Recolonisation]
- (0312) LAEGDSGAARD, P.; KELLEWAY, J.; WILLIAMS, R.J.; HARTY, C. Protection and management of coastal saltmarsh. In: Saintilan, N., (editor). *Australian saltmarsh ecology*. p.179-210. Collingwood, Australia: CSIRO Publishing, 2009.
- (0313) LAVERY, P.S.; MCMAHON, K.; MULLIGAN, M.; TENNYSON, A. Interactive effects of timing, intensity and duration of experimental shading on *Amphibolis griffithii*. *Marine Ecology Progress Series*, 394, 21-33, 2009. [Dredging; sediment plumes]
- (0314) MADSEN, J.; TOMBRE, I.; EIDE, N.E. Effects of disturbance on geese in Svalbard: implications for regulating increasing tourism. *Polar Research*, 28(3), 376-389, 2009.
- (0315) MILLER, R.L.; MESELHE, E.A. Louisiana Chenier Plain regional hydrodynamic and salinity numerical model. In: Spaulding, M.L., (editor). *Estuarine and coastal modeling. Proceedings of the Tenth International Conference, November 5-7, 2007 Newport, Rhode Island, sponsored by University of Rhode Island*. p.407-426. Virginia: American Society of Civil Engineers, 2008. [Man-made changes]
- (0316) O'BRIEN, J.; BERROW, S.; MCGRATH, D.; EVANS, P. Cetaceans in Irish waters: a review of recent research. *Biology and Environment: Proceedings of the Royal Irish Academy*, 109B(2), 63-88, 2009. [Surveys; strandings; threats; health; behaviour; climate change]
- (0317) REISS, H.; GREENSTREET, S.P.R.; SIEBEN, K.; EHRICH, S.; PIWET, G.J.; QUIRIJNS, F.; ROBINSON, L.; WOLFF, W.J.; KRONCKE, I. Effects of fishing disturbance on benthic communities and secondary production within an intensively fished area. *Marine Ecology Progress Series*, 394, 201-213, 2009. [German Bight]
- (0318) SANCHEZ-LIZASO, J.L.; FERNANDEZ-TORQUEMADA, Y.; GONZALEZ-CORREA, J.M. Evaluation of the viability of *Posidonia oceanica* transplants associated with a marina expansion. *Botanica Marina*, 52(5), 471-476, 2009. [Restoration]
- (0319) SHAFFER, J.A.; BEIRNE, M.; RITCHIE, T.; PARADIS, R.; BARRY, D.; CRAIN, P. Fish habitat use response to anthropogenic induced changes of physical processes in the Elwha estuary, Washington, USA. *Hydrobiologia*, 636, 179-190, 2009. [Dam construction; dyking; sediment starvation]
- (0320) SYPITKOWSKI, E.; BOHLEN, C.; AMBROSE, W.G., JR. Estimating the frequency and extent of bloodworm digging in Maine from aerial photography. *Fisheries Research*, 101(1/2), 87-93, 2010. [Ecological impact]

(0321) TRONO, A.; MOSSA, M.; ELLIOTT, M. Puglia and Salento. The coastline and wetlands of Puglia and the Salento peninsula in southern Italy. ECSA Bulletin, (53), 46-54, 2009. [Including anthropogenic impact]

(0322) WAGLER, H.; BERGHANN, R.; VORGBERG, R. The fishery for whiteweed, *Sertularia cupressina* (Cnidaria, Hydrozoa), in the Wadden Sea, Germany: history and anthropogenic effects. ICES Journal of Marine Science, 66(10), 2116-2120, 2009. [Eutrophication; dam construction; coastal engineering]

Section 10: Non-indigenous Species

- (0323) ANDERSON, J.A.; EPIFANIO, C.E. Induction of metamorphosis in the Asian shore crab *Hemigrapsus sanguineus*: characterization of the cue associated with biofilm from adult habitat. *Journal of Experimental Marine Biology and Ecology*, 382(1), 34-39, 2009.
- (0324) BIN, C.; HAO, H.; WEIWEI, Y.; SENLIN, Z.; JINKENG, W.; JINLONG, J. Marine biodiversity conservation based on integrated coastal zone management (ICZM) - a case study in Quanzhou Bay, Fujian, China. *Ocean and Coastal Management*, 52(12), 612-619, 2009.
- (0325) BOERO, F. Recent innovations in marine biology. *Marine Ecology*, 30(Issue s1), 1-12, 2009. [Anthropogenic pressure]
- (0326) BOUDOURESQUE, C.F.; BERNARD, G.; PERGENT, G.; SHILI, A.; VERLAQUE, M. Regression of Mediterranean seagrasses caused by natural processes and anthropogenic disturbances and stress: a critical review. *Botanica Marina*, 52(5), 395-418, 2009. [Review; coastal development; industrial and urban pollution; trawling; mooring; fish farming; dredging; sand extraction; dumping; laying underwater pipes and cables; explosives; brine discharges; introduced species; climate change]
- (0327) CARDOSO, J.F.M.F.; WITTE, J.I.; VAN DER VEER, H.W. Reproductive investment of the American razor clam *Ensis americanus* in the Dutch Wadden Sea. *Journal of Sea Research*, 62(4), 295-298, 2009.
- (0328) EDGELL, T.C.; ROCHETTE, R. Prey-induced changes to a predator's behaviour and morphology: implications for shell-claw covariance in the northwest Atlantic. *Journal of Experimental Marine Biology and Ecology*, 382(1), 1-7, 2009. [*Carcinus maenas*]
- (0329) FIELD, I.C.; MEEKAN, M.G.; BUCKWORTH, R.C.; BRADSHAW, C.J.A. Susceptibility of sharks, rays and chimaeras to global extinction. *Advances in Marine Biology*, 56, 275-363, 2009. [Threats; fisheries; pollution; beach meshing; alien species; review]
- (0330) FORREST, B.M.; KEELE, N.B.; HOPKINS, G.A.; WEBB, S.C.; CLEMENT, D.M. Bivalve aquaculture in estuaries: review and synthesis of oyster cultivation effects. *Aquaculture*, 298(1/2), 1-15, 2009.
- (0331) GE, Z.-M.; ZHOU, X.; WANG, T.-H.; WANG, K.-Y.; PEI, E.; YUAN, X. Effects of vegetative cover changes on the carrying capacity of migratory shorebirds in a newly formed wetland, Yangtze River Estuary, China. *Zoological Studies*, 48(6), 769-779, 2009. [Including effects of invasion by *Spartina alterniflora*]
- (0332) GOROKHOVA, E.; LEHTINIEMI, M.; VIITASALO-FROSEN, S.; HADDOCK, S.H.D. Molecular evidence for the occurrence of ctenophore *Mertensia ovum* in the northern Baltic Sea and implications for the status of the *Mnemiopsis leidyi* invasion. *Limnology and Oceanography*, 54(6), 2025-2033, 2009.
- (0333) HAN, G.; MCKENZIE, C.; HE, M. Dispersive characteristics of ballast water exchanges off Newfoundland: a model-based study. In: Spaulding, M.L., (editor). *Estuarine and coastal modeling. Proceedings of the Tenth International Conference, November 5-7, 2007 Newport, Rhode Island, sponsored by University of Rhode Island.* p.999-1018. Virginia: American Society of Civil Engineers, 2008.
- (0334) KLEIN, J.C.; VERLAQUE, M. Macrophyte assemblage associated with an invasive species exhibiting temporal variability in its development pattern. *Hydrobiologia*, 636, 369-378, 2009. [*Caulerpa racemosa* var. *cylindracea*]

(0335) LAEGDSGAARD, P.; KELLEWAY, J.; WILLIAMS, R.J.; HARTY, C. Protection and management of coastal saltmarsh. In: Saintilan, N., (editor). Australian saltmarsh ecology. p.179-210. Collingwood, Australia: CSIRO Publishing, 2009.

(0336) MORRIS, J.A., JR.; AKINS, J.L. Feeding ecology of invasive lionfish (*Pterois volitans*) in the Bahamian archipelago. *Environmental Biology of Fishes*, 86(3), 389-398, 2009.

(0337) RADZIEJEWSKA, T.; FENSKE, C.; WAWRZYNIAK-WYDROWSKA, B.; RIEL, P.; WOZNICZKA, A.; GRUSZKA, P. The zebra mussel (*Dreissena polymorpha*) and the benthic community in a coastal Baltic lagoon: another example of enhancement? *Marine Ecology*, 30(Issue s1), 138-150, 2009. [Organic enrichment; *Gammarus tigrinus*; *Marenzelleria neglecta*]

(0338) ZVIAGINTSEV, A.YU.; GUK, YU.G. Estimation of ecological risks arising from bioinvasion in marine coastal ecosystems of Primorye Region (with sea fouling and ballast waters as an example). [In Russian with English summary]. *Izvestiya TINRO*, 145, 3-38, 2006.