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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

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Section 1: General


(3396) EL-KOMI, M.M. Macrobenthos monitoring in the Gulf of Suez, Egypt. Acta Oceanologica Sinica, 27(2), 55-80, 2008.  [Cd; Cu; Hg; Pb; Zn; nutrients]


(3413) KOHLER, A.; ELLESAT, K. Nuclear changes in blood, early liver anomalies and hepatocellular cancers in flounder (Platichthys flesus L.) as prognostic indicator for a higher cancer risk? Marine Environmental Research, 66(1), 149-150, 2008. [Contaminant gradient; North Sea]


(3416) LI, Y.; HUANG, L.; CHEN, J.; ZHOU, M.; TAN, Y. Water quality and phytoplankton blooms in the Pearl River Estuary. In: Wolanski, E., (editor). The environment in Asia Pacific harbours. p.139-145. Dordrecht, The Netherlands: Springer, 2006. [Arsenic; Cd; Cr; Cu; Hg; Ni; Pb; Se; Zn; oil and grease; nutrients; HAB; pollutant load]


(3437) STARK, J.S. Patterns of higher taxon colonisation and development in sessile marine benthic assemblages at Casey Station, Antarctica, and their use in environmental monitoring. Marine Ecology Progress Series, 365, 77-89, 2008. [Anthropogenic impact; sewage outfall; waste disposal site]


Section 2: Petroleum Hydrocarbons


(3458) BOCCHETTI, R.; FATTORINI, D.; PISANELLI, B.; MACCHIA, S.; OLIVIERO, L.; PILATO, F.; PELLEGRINI, D.; REGOLI, F. Contaminant accumulation and biomarker responses in caged mussels, Mytilus galloprovincialis, to evaluate bioavailability and toxicological effects of remobilized chemicals during dredging and disposal operations in harbour areas. Aquatic Toxicology, 89(4), 257-266, 2008. [Cd; Hg; Pb; Zn; PAHs]


(3460) BROEG, K.; KAISER, W.; BAHNS, S.; KOEHLER, A. The liver of wrasse - morphology and function as a mirror of point source chemical impact. Marine Environmental Research, 66(1), 191-192, 2008. [Cu; PAHs; formaldehyde]

(3461) CALABRETTA, C.J.; OVIATT, C.A. The response of benthic macrofauna to anthropogenic stress in Narragansett Bay, Rhode Island: a review of human stressors and assessment of community conditions. Marine Pollution Bulletin, 56(10), 1680-1695, 2008. [Hypoxia; Ag; arsenic; Cd; Cr; Cu; Hg; Ni; Pb; Zn; PAH; DDT; PCB]


(3463) CAMUS, L.; OLSEN, G.H. Embryo aberrations in sea ice amphipod Gammarus wilkitzkii exposed to water soluble fraction of oil. Marine Environmental Research, 66(1), 221-222, 2008. [WSF; PAH]


(3465) CIVIC, T., (ET AL). Integrated approach to sediment pollution: a case study in the Gulf of Trieste. Marine Pollution Bulletin, 56(9), 1650-1657, 2008. [Ag; Al; Cd; Co; Cr; Cu; Fe; Hg; Ni; Pb; V; Zn;acenaphthene;acenaphthylene;fluoranthene;naphthalene;fluorene;phenanthrene;pyrene;chrysene;PAHs;HCHs;PCBs]


(3468) EINSPORN, S.; KOEHLER, A. Immuno-localisations (GSSP) of subcellular accumulation sites of phenanthrene, aroclor 1254 and lead (Pb) in relation to cytopathologies in the gills and digestive gland of the mussel Mytilus edulis. Marine Environmental Research, 66(1), 185-186, 2008. [PAH; PCB]
3469) FAKSNESS, L.-G.; BRANDVIK, P.J.; SYDNES, L.K. Composition of the water accommodated fractions as a function of exposure times and temperatures. Marine Pollution Bulletin, 56(10), 1746-1754, 2008. [Oil spills; PAH; petroleum hydrocarbons; WAF; 9 different oils]

3470) FLEMMING, A.T.; WEINSTEIN, J.E.; LEWITUS, A.J. Survey of PAH in low density residential stormwater ponds in coastal South Carolina: false dark mussels (Mytilopsis leucophaeata) as potential biomonitor. Marine Pollution Bulletin, 56(9), 1598-1608, 2008. [Anthracene; benzo(a)pyrene; benzo(b)fluoranthene; acenaphthylene; acenaphthene; fluorene; phenanthrene; fluoranthene; pyrene; benzo(a)anthracene; chrysene; benzo(k)fluoranthene; benzo(a,h)anthracene; benzo(g,h,i)perylene; indeno(1,2,3,c,d)pyrene; naphthalene]

3471) FOSSI, M.C.; CASINI, S.; BUCALOSSI, D.; MARSILI, L. First detection of CYP1A1 and CYP2B induction in Mediterranean cetacean skin biopsies and cultured fibroblasts by Western blot analysis. Marine Environmental Research, 66(1), 3-6, 2008. [Organochlorines; PAHs; PBDEs]


3475) LEE, R.F.; NIENCHESKI, L.F.H.; BRINKLEY, K. DNA strand breaks in grass shrimp embryos exposed to highway runoff sediments and sediments with coal fly ash. Marine Environmental Research, 66(1), 164-165, 2008. [PAHs; Se; V]

3476) LI, Y.; HUANG, L.; CHEN, J.; ZHOU, M.; TAN, Y. Water quality and phytoplankton blooms in the Pearl River Estuary. In: Chen, J., (editor). The environment in Asia Pacific harbours. p.139-145. Dordrecht, The Netherlands: Springer, 2006. [Arsenic; Cd; Cr; Hg; Ni; Pb; Se; Zn; oil and grease; nutrients; HAB; pollutant load]


RICHARDSON, B.J.; DE LUCA ABBOTT, S.B.; MCCLELLAN, K.E.; ZHENG, G.J.; LAM, P.K.S. The use of permeability reference compounds in biofouled semi-permeable membrane devices (SPMDs): a laboratory-based investigation. Marine Pollution Bulletin, 56(9), 1663-1667, 2008. [Aldrin; p,p'-DDT; alpha-HCH; dieldrin; anthracene; fluoranthene; pyrene; PCB-8; PCB-66; PCB-156; PCB-206; benzo(a)pyrene]

SARKAR, A.; GAITONDE, D.C.S.; SARKAR, A.; VASHISTHA, D.; D'SILVA, C.; DALAL, S.G. Evaluation of impairment of DNA integrity in marine gastropods (Cronia contracta) as a biomarker of genotoxic contaminants in coastal water around Goa, West coast of India. Ecotoxicology and Environmental Safety, 71(2), 473-482, 2008. [Cd; Cu; Fe; Mn; Pb; PAH]

SCHIPPER, C.A.; DUBBELDAM, M.; FEIST, S.W.; RIETJENS, I.M.C.M.; MURK, A.T. Cultivation of the heart urchin Echinocardium cordatum and validation of its use in marine toxicity testing for environmental risk assessment. Journal of Experimental Marine Biology and Ecology, 364(1), 11-18, 2008. [Contaminated sediment; arsenic; Cd; Cr; Cu; Hg; Ni; Pb; Zn; DDTs; HCB; PAHs; PCBs; TBT; mineral oil]

TAM, N.F.Y. Pollution studies on mangroves in Hong Kong and mainland China. In: Wolanski, E., (editor). The environment in Asia Pacific harbours. p.147-163. Dordrecht, The Netherlands: Springer, 2006. [Cd; Cr; Cu; Ni; Pb; Zn; nutrients; livestock wastewater; DDTs; PCBs; PAHs; wastewater treatment]

TANG, Y.; FANG, Z.; YU, S. Heavy metals, polycyclic aromatic hydrocarbons and organochlorine pesticides in the surface sediments of mangrove swamps from coastal sites along the Leizhou Peninsula, South China. Acta Oceanologica Sinica, 27(1), 42-53, 2008. [Arsenic; Cd; Cr; Cu; Hg; Ni; Pb; Zn; PAHs; wastewater treatment]

VALAVANIDIS, A.; VLACHOGIANNI, TH.; TRIANTAFILLAKI, S.; DASSEMENIS, M.; ANDROUTSOS, F.; SCOULOS, M. Polycyclic aromatic hydrocarbons in surface seawater and in indigenous mussels (Mytilus galloprovincialis) from coastal areas of the Saronikos Gulf (Greece). Estuarine, Coastal and Shelf Science, 79(4), 733-739, 2008. [PAHs]


WANG, L.; ZHENG, B.; MENG, W. Photo-induced toxicity of four polycyclic aromatic hydrocarbons, singly and in combination, to the marine diatom Phaeodactylum tricornutum. Ecotoxicology and Environmental Safety, 71(2), 465-472, 2008. [PAHs; UV; anthracene; fluoranthene; phenanthrene; pyrene]

Section 3: Metals


(3492) ADEBOWALE, K.O.; AGUNBIADE, F.O.; OLU-OLOWALBI, B.I. Fuzzy comprehensive assessment of metal contamination of water and sediments in Ondo Estuary, Nigeria. Chemistry and Ecology, 24(4), 269-283, 2008. [Arsenic; Cd; Cr; Cu; Fe; Mn; Ni; Pb; V; Zn; crude oil exploration]


(3495) BOCCHETTI, R.; FATTORINI, D.; PISANELLI, B.; MACCHIA, S.; OLIVIERO, L.; PILATO, F.; PELLEGRINI, D.; REGOLI, F. Contaminant accumulation and biomarker responses in caged mussels, Mytilus galloprovincialis, to evaluate bioavailability and toxicological effects of remobilized chemicals during dredging and disposal operations in harbour areas. Aquatic Toxicology, 89(4), 257-266, 2008. [Cd; Hg; Pb; Zn; PAHs]


(3497) BRANDENBERGER, J.M.; CRECELIUS, E.A.; LOUCHOUARN, P. Historical inputs and natural recovery rates for heavy metals and organic biomarkers in Puget Sound during the 20th century. Environmental Science and Technology, 42(18), 6786-6790, 2008. [Arsenic; Cu; Pb]

(3498) BROEG, K.; KAISER, W.; BAHNS, S.; KOEHLER, A. The liver of wrasse - morphology and function as a mirror of point source chemical impact. Marine Environmental Research, 66(1), 191-192, 2008. [Cu; PAHs; formaldehyde]

(3499) CALABRETTA, C.J.; OVIATT, C.A. The response of benthic macrofauna to anthropogenic stress in Narragansett Bay, Rhode Island: a review of human stressors and assessment of community conditions. Marine Pollution Bulletin, 56(10), 1680-1695, 2008. [Hypoxia; Ag; arsenic; Cd; Cr; Cu; Hg; Ni; Pb; Zn; PAH; DDT; PCB]


(3501) CIBIC, T., (ET AL). Integrated approach to sediment pollution: a case study in the Gulf of Trieste. Marine Pollution Bulletin, 56(9), 1650-1657, 2008. [Ag; Al; Cd; Co; Cr; Cu; Fe; Hg; Ni; Pb; V; Zn;acenaphthene;acenaphthylene;fluoranthene;naphthalene;fluorene;phenanthrene;pyrene;chrysene;PAHs;HCHs;PCBs]

(3502) DE CARVALHO, C.E.V.; DI BENEDITTO, P.M.; SOUZA, C.M.M.; RAMOS, R.M.A.; REZENDE, C.E. Heavy metal distribution in two cetacean species from Rio de Janeiro State, south-eastern Brazil. Journal of the Marine Biological Association of the United Kingdom, 88(6), 1117-1120, 2008. [Cd; Hg; Zn]

(3503) DELGADILLO-HINOJOSA, F.; ZIRINO, A.; NASCI, C. Copper complexation capacity in surface waters of the Venice Lagoon. Marine Environmental Research, 66(4), 404-411, 2008. [Cu]

(3505) EDINGER, E.N.; AZMY, K.; DIEGOR, W.; SIREGAR, P.R. Heavy metal contamination from gold mining recorded in Porites lobata skeletons, Buyat-Ratototok district, North Sulawesi, Indonesia. Marine Pollution Bulletin, 56(9), 1553-1569, 2008. [Arsenic; Co; Cr; Cu; Mn; Ni; Pb; Sb; Ti; V; Zn]

(3506) EINSPORN, S.; KOEHLER, A. Immuno-localisations (GSSP) of subcellular accumulation sites of phenanthrene, aroclor 1254 and lead (Pb) in relation to cytopathologies in the gills and digestive gland of the mussel Mytilus edulis. Marine Environmental Research, 66(1), 185-186, 2008. [PAH; PCB]

(3507) EL-KOMI, M.M. Macrobenthos monitoring in the Gulf of Suez, Egypt. Acta Oceanologica Sinica, 27(2), 55-80, 2008. [Cd; Cu; Hg; Pb; Zn; nutrients]

(3508) ENDO, T.; HISAMICHI, Y.; HARAGUCHI, K.; KATO, Y.; OHTA, C.; KOGA, N. Hg, Zn and Cu levels in the muscle and liver of tiger sharks (Galeocerdo cuvier) from the coast of Ishigaki Island, Japan: relationship between metal concentrations and body length. Marine Pollution Bulletin, 56(10), 1774-1780, 2008. [Including Cd and Fe]


(3512) FRIAS-ESPERICUETA, M.G.; ABAD-ROSALES, S.; NEVAREZ-VELAZQUEZ, A.C.; OSUNA-LOPEZ, I.; PÆEZ-OSUNA, F.; LOZANO-OLVERA, R.; VOLTOLINA, D. Histological effects of a combination of heavy metals on Pacific white shrimp Litopenaeus vannamei juveniles. Aquatic Toxicology, 89(3), 152-157, 2008. [Cd; Cu; Fe; Hg; Mn; Pb; Zn]

(3513) GONZALEZ-REY, M.; SERAFIM, A.; COMPANY, R.; GÓMEZ, T.; BEBIANNO, M.J. Detoxification mechanisms in shrimp: comparative approach between hydrothermal vent fields and estuarine environments. Marine Environmental Research, 66(1), 35-37, 2008. [Metallothionein; Ag; Cd; Cu; Fe; Mn; Zn]

(3514) HEDOuin, L.; BUSTAMANTE, P.; FICHEZ, R.; WARNAU, M. The tropical brown alga Lobophora variegata as a bioindicator of mining contamination in the New Caledonia lagoon: a field transplantation study. Marine Environmental Research, 66(4), 438-444, 2008. [Ag; arsenic; Cd; Co; Cr; Cu; Mn; Ni; Zn]

(3515) HUANG, X.; KE, C.; WANG, W.-X. Bioaccumulation of silver, cadmium and mercury in the abalone Haliotis diversicolor from water and food sources. Aquaculture, 283(1-4), 194-202, 2008. [Ag; Cd; Hg]

(3516) IRABIEN, M.J.; CEARRETA, A.; LEORRI, E.; GÓMEZ, J.; VIGURI, J. A 130 year record of pollution in the Suances estuary (southern Bay of Biscay): implications for environmental management. Marine Pollution Bulletin, 56(10), 1719-1727, 2008. [Al; arsenic; Cd; Cr; Cu; Ni; Pb; Zn; mineral exploitation; chlor-alkali industry; foraminifera]


(3522) LEE, K.-W.; RAISUDDIN, S.; RHEE, J.-S.; HWANG, D.-S.; YU, I.T.; LEE, Y.-M.; PARK, H.G.; LEE, J.-S. Expression of glutathione S-transferase (GST) genes in the marine copepod Tigriopus japonicus exposed to trace metals. Aquatic Toxicology, 89(3), 158-168, 2008. [Arsenic; Ag; Cd; Cu]

(3523) LEE, R.F.; NIENCHESKI, L.F.H.; BRINKLEY, K. DNA strand breaks in grass shrimp embryos exposed to highway runoff sediments with coal fly ash. Marine Environmental Research, 66(1), 164-165, 2008. [PAHs; Se; V]


(3525) LI, Y.; HUANG, L.; CHEN, J.; ZHOU, M.; TAN, Y. Water quality and phytoplankton blooms in the Pearl River Estuary. In: Wolanski, E., (editor). The environment in Asia Pacific harbours. p.139-145. Dordrecht, The Netherlands: Springer, 2006. [Arsenic; Cd; Cr; Cu; Hg; Ni; Pb; Se; Zn; oil and grease; nutrients; HAB; pollutant load]


(3528) MALEA, P.; BOUBONARI, T.; KEVREKIDIS, T. Iron, zinc, copper, lead and cadmium contents in Ruppia maritima from a Mediterranean coastal lagoon: monthly variation and distribution in different plant fractions. Botanica Marina, 51(4), 320-330, 2008. [Cd; Cu; Fe; Pb; Zn]

(3529) MAN, A.K.Y.; WOO, N.Y.S. Upregulation of metallothionein and glucose-6-phosphate dehydrogenase expression in silver sea bream, Sparus sarba exposed to sublethal levels of cadmium. Aquatic Toxicology, 89(4), 214-221, 2008. [Cd]


(3531) MATHEWS, T.; FISHER, N.S. Trophic transfer of seven trace metals in a four-step marine food chain. Marine Ecology Progress Series, 367, 23-33, 2008. [Am; Cd; Co; Cs; Mn; Se; Zn]


(3534) PAN, K.; WANG, W.-W. Allometry of cadmium and zinc concentrations and bioaccumulations in the scallop Chlamys nobilis. Marine Ecology Progress Series, 365, 115-126, 2008. [Cd; Zn]

(3535) PAPA, M.; CASORIA, P.; GUIDA, M. Determination of heavy metal in seawater and macroalgae of shorelines of Naples and Ischia Island, Italy. Chemistry and Ecology, 24(Suppl.1), 27-37, 2008. [Cd; Cu; Pb]

(3536) RANALDI, M.M.; GAGNON, M.M. Trace metal incorporation in otoliths of black bream (Acanthopagrus butcheri Munro), an indicator of exposure to metal contamination. Water, Air, and Soil Pollution, 194(1-4), 31-43, 2008. [Al; arsenic; Ba; Ca; Cd; Cu; Fe; Hg; Mn; Pb; Se; Sn; Sr; Zn]


(3538) SANTIAGO, E.C.; AFRICA, C.R. Trace metal concentrations in the aquatic environment of Albay Gulf in the Philippines after a reported mine tailings spill. Marine Pollution Bulletin, 56(9), 1657-1663, 2008. [Arsenic; Cd; Cu; Hg; Pb]

(3539) SARKAR, A.; GAITONDE, D.C.S.; SARKAR, A.; VASHISTHA, D.; D’SILVA, C.; DALAL, S.G. Evaluation of impairment of DNA integrity in marine gastropods (Cronia contracta) as a biomarker of genotoxic contaminants in coastal water around Goa, West coast of India. Ecotoxicology and Environmental Safety, 71(2), 473-482, 2008. [Cd; Cu; Fe; Mn; Pb; PAH]

(3540) SCHIPPER, C.A.; DUBBELDAM, M.; FEIST, S.W.; RIETJENS, I.M.C.M.; MURK, A.T. Cultivation of the heart urchin Echinocardium cordatum and validation of its use in marine toxicity testing for environmental risk assessment. Journal of Experimental Marine Biology and Ecology, 364(1), 11-18, 2008. [Contaminated sediment; arsenic; Cd; Cr; Cu; Hg; Ni; Pb; Zn; DDTs; HCB; PAHs; PCBs; TBT; mineral oil]

(3541) SFRISO, A.; ARGESE, E.; BETTIOL, C.; FACCA, C. Tapes philippinarum seed exposure to metals in polluted areas of the Venice lagoon. Estuarine, Coastal and Shelf Science, 79(4), 581-590, 2008. [Arsenic; Cd; Cr; Cu; Fe; Hg; Mn; Ni; Pb; V; Zn]


(3544) STRONG, J.A.; SERVICE, M. Historical chronologies of sedimentation and heavy-metal contamination in Strangford Lough, Northern Ireland. Biology and Environment, 108B(2), 109-126, 2008. [Arsenic; Cd; Cr; Cu; Hg; Ni; Pb; Zn]
(3545) TAM, N.F.Y. Pollution studies on mangroves in Hong Kong and mainland China. In: Wolanski, E., (editor). The environment in Asia Pacific harbours. p.147-163. Dordrecht, The Netherlands: Springer, 2006. [Cd; Cr; Cu; Ni; Pb; Zn; nutrients; livestock wastewater; DDTs; PCBs; PAHs; wastewater treatment]

(3546) TANG, Y.; FANG, Z.; YU, S. Heavy metals, polycyclic aromatic hydrocarbons and organochlorine pesticides in the surface sediments of mangrove swamps from coastal sites along the Leizhou Peninsula, South China. Acta Oceanologica Sinica, 27(1), 42-53, 2008. [Arsenic; Cd; Cr; Cu; Hg; Ni; Pb; Zn; PAHs; DDTs; HCHs]


(3549) YIGITERHAM, O.; MURRAY, J.W. Trace metal composition of particulate matter of the Danube River and Turkish rivers draining into the Black Sea. Marine Chemistry, 111(1/2), 63-76, 2008. [Ag; Al; Ba; Cd; Co; Cr; Cu; Fe; Mn; Mo; Pb; Ti; U; V; Zn]

Section 4: Radioactivity


(3556) WANG, L.; ZHENG, B.; MENG, W. Photo-induced toxicity of four polycyclic aromatic hydrocarbons, singly and in combination, to the marine diatom Phaeodactylum tricornutum. Ecotoxicology and Environmental Safety, 71(2), 465-472, 2008. [PAHs; UV; anthracene; fluoranthene; phenanthrene; pyrene]


Section 5: Other Chemicals

(3559) ADAMS, J.; HOUDE, M.; MUIR, D.; SPEAKMAN, T.; BOSSART, G.; FAIR, P. Land use and the spatial distribution of perfluoroalkyl compounds as measured in the plasma of bottlenose dolphins (Tursiops truncatus). Marine Environmental Research, 66(4), 430-437, 2008. [Perfluorooctane sulfonate (PFOS); perfluorodecanoic acid (PFDA); perfluoroundecanoic acid (PFUnA); PFCs]


(3565) BROEG, K.; KAISER, W.; BAHNS, S.; KOEHLER, A. The liver of wrasse - morphology and function as a mirror of point source chemical impact. Marine Environmental Research, 66(1), 191-192, 2008. [Cu; PAHs; formaldehyde]

(3566) BRUN, F.G.; OLIVE, I.; MALTA, E.-J.; VERGARA, J.J.; HERNANDEZ, I.; PEREZ-LLORENS, J.L. Increased vulnerability of Zostera noltii to stress caused by low light and elevated ammonium levels under phosphate deficiency. Marine Ecology Progress Series, 365, 67-75, 2008. [Eutrophication; nutrients]


(3568) CALABRETTA, C.J.; OVIATT, C.A. The response of benthic macrofauna to anthropogenic stress in Narragansett Bay, Rhode Island: a review of human stressors and assessment of community conditions. Marine Pollution Bulletin, 56(10), 1680-1695, 2008. [Hypoxia; Ag; arsenic; Cd; Cr; Cu; Hg; Ni; Pb; Zn; PAH; DDT; PCB]


CIBIC, T., (ET AL). Integrated approach to sediment pollution: a case study in the Gulf of Trieste. Marine Pollution Bulletin, 56(9), 1650-1657, 2008. [Ag; Al; Cd; Co; Cr; Cu; Fe; Hg; Ni; Pb; V; Zn; acenaphthene; acenaphthylene; fluoranthene; naphthalene; fluorene; phenanthrene; pyrene; chrysene; PAHs; HCHs; PCBs]


CULLEN, J.J.; BOYD, P.W. Predicting and verifying the intended and unintended consequences of large-scale ocean iron fertilization. Marine Ecology Progress Series, 364, 295-301, 2008. [Hypoxia; CO2; N2O]


DE LAFONTAINE, Y.; DESPATIE, S.-P.; WILEY, C. Effectiveness and potential toxicological impact of the PERACLEAN (R) Ocean ballast water treatment technology. Ecotoxicology and Environmental Safety, 71(2), 355-369, 2008. [Peracetic acid; hydrogen peroxide; degradation rate]


DENMAN, K.L. Climate change, ocean processes and ocean iron fertilization. Marine Ecology Progress Series, 364, 219-225, 2008. [CO2 removal]


EGANHOUSE, R.P.; PONTOLILLO, J. Susceptibility of synthetic long-chain alkylbenzenes to degradation in reducing marine sediments. Environmental Science and Technology, 42(17), 6361-6368, 2008. [LAB; TAB; phenylidodecanes]

(3587) EINSPORN, S.; KOEHLER, A. Immuno-localisations (GSSP) of subcellular accumulation sites of phenanthrene, aroclor 1254 and lead (Pb) in relation to cytopathologies in the gills and digestive gland of the mussel Mytilus edulis. Marine Environmental Research, 66(1), 185-186, 2008. [PAH; PCB]


(3589) EL-KOMI, M.M. Macrobenthos monitoring in the Gulf of Suez, Egypt. Acta Oceanologica Sinica, 27(2), 55-80, 2008. [Cd; Cu; Hg; Pb; Zn; nutrients]


(3592) FOSSI, M.C.; CASINI, S.; BUCALOSSI, D.; MARSILI, L. First detection of CYP1A1 and CYP2B induction in Mediterranean cetacean skin biopsies and cultured fibroblasts by Western blot analysis. Marine Environmental Research, 66(1), 3-6, 2008. [Organochlorines; PAHs; PBDEs]


(3600) HUESELMANN, M.H. Ocean fertilization and other climate change mitigation strategies: an overview. Marine Ecology Progress Series, 364, 243-250, 2008. [Carbon sequestration; CO2 disposal]


(3603) KAJIWARA, N.; KAMIKAWA, S.; AMANO, M.; HAYANO, A.; YAMADA, T.K.; MIYAZAKI, N.; TANABE, S. Polybrominated diphenyl ethers (PBDEs) and organochlorines in melon-headed whales, Peponocephala electra, mass stranded along the Japanese coasts: maternal transfer and temporal trend. Environmental Pollution, 156(1), 106-114, 2008. [Chlordanes; DDTs; HCB; HCHs; heptachlor epoxide; PCBs; tris(4-chlorophenyl)methane (TCPMe); tris(4-chlorophenyl)methanol (TCPMOM)]


(3608) LARA-MARTIN, P.A.; GOMEZ-PARRA, A.; GONZALEZ-MAZO, E. Sources, transport and reactivity of anionic and non-ionic surfactants in several aquatic ecosystems in SW Spain: a comparative study. Environmental Pollution, 156(1), 36-45, 2008. [Linear alkylbenzene sulfonates (LAS); alkyl ethoxysulfates (AES); nonylphenol ethoxylates (NPEOS); alcohol ethoxylates (AEOs)]

(3609) LAW, C.S. Predicting and monitoring the effects of large-scale ocean iron fertilization on marine trace gas emissions. Marine Ecology Progress Series, 364, 283-288, 2008. [CO2; N2O]


(3611) LEINEN, M. Building relationships between scientists and business in ocean iron fertilization. Marine Ecology Progress Series, 364, 251-256, 2008. [CO2 removal]


(3613) LI, Y.; HUANG, L.; CHEN, J.; ZHOU, M.; TAN, Y. Water quality and phytoplankton blooms in the Pearl River Estuary. In: Wolanski, E., (editor). The environment in Asia Pacific harbours. p.139-145. Dordrecht, The Netherlands: Springer, 2006. [Arsenic; Cd; Cr; Cu; Hg; Ni; Pb; Se; Zn; oil and grease; nutrients; HAB; pollutant load]


(3616) LUCKENBACH, T.; ALTENBURGER, R.; EPEL, D. Teasing apart activities of different types of ABC efflux pumps in bivalve gills using the concepts of independent action and concentration addition. Marine Environmental Research, 66(1), 75-76, 2008.


(3620) MCDONAGH, B.; SHEEHAN, D. Effects of oxidative stress on protein thiols and disulphides in Mytilus edulis revealed by proteomics: actin and protein disulphide isomerase are redox targets. Marine Environmental Research, 66(1), 193-195, 2008. [Menadione; Cork Harbour]


(3623) MOSIER, A.C.; FRANCIS, C.A. Relative abundance and diversity of ammonia-oxidizing archaea and bacteria in the San Francisco Bay estuary. Environmental Microbiology, 10(11), 3002-3016, 2008. [Eutrophication; nutrients]

(3624) NAKADA, N.; KIRI, K.; SHINOHARA, H.; HARADA, A.; KURODA, K.; TAKIZAWA, S.; TAKADA, H. Evaluation of pharmaceuticals and personal care products as water-soluble molecular markers of sewage. Environmental Science and Technology, 42(17), 6347-6353, 2008. [Crotamiton; naproxen; ibuprofen; triclosan; mefenamic acid; ketoprofen; thymol; carbamazepine]


(3627) NUNES, B.; GAIO, A.R.; CARVALHO, F.; GUILHERMINO, L. Behaviour and biomarkers of oxidative stress in Gambusia holbrooki after acute exposure to widely used pharmaceuticals and a detergent. Ecotoxicology and Environmental Safety, 71(2), 341-354, 2008. [Diazepam; clofibrate; clofibric acid; SDS]
ORBACH, M.K. Cultural context of ocean fertilization. Marine Ecology Progress Series, 364, 235-242, 2008. [CO2; carbon sequestration]


QUAKENBUSH, L.T.; CITTA, J.J. Perfluorinated contaminants in ringed, bearded, spotted, and ribbon seals form the Alaskan Bering and Chukchi Seas. Marine Pollution Bulletin, 56(10), 1809-1814, 2008. [PFCs; perfluorooctane sulfonate (PFOS); perfluorononanoic acid (PFNA); perfluorodecanesulfonate (PFDS); perfluoroundecanoic acid (PFUnDA)]

REMPLE, M.A.; WANG, Y.; ARMSTRONG, J.; SCHLENK, D. Uptake of estradiol from sediment by hornyhead turbot (Pleuronichthys verticalis) and effects on oxidative DNA damage in male gonads. Marine Environmental Research, 66(1), 111-112, 2008. [E2; vitellogenin]


RICHARDSON, B.J.; DE LUCA ABBOTT, S.B.; MCCLELLAN, K.E.; ZHENG, G.J.; LAM, P.K.S. The use of permeability reference compounds in biofouled semi-permeable membrane devices (SPMDs): a laboratory-based investigation. Marine Pollution Bulletin, 56(9),1663-1667, 2008. [Aldrin; p,p'-DDT; alpha-HCH; dieldrin; anthracene; fluoranthene; pyrene; PCB-8; PCB-66; PCB-156; PCB-206; benzo(a)pyrene]

SCHIPPER, C.A.; DUBBELDAM, M.; FEIST, S.W.; RIETJENS, I.M.C.M.; MURK, A.T. Cultivation of the heart urchin Echinocardium cordatum and validation of its use in marine toxicity testing for environmental risk assessment. Journal of Experimental Marine Biology and Ecology, 364(1), 11-18, 2008. [Contaminated sediment; arsenic; Cd; Cr; Cu; Hg; Ni; Pb; Zn; DDTs; HCB; PAHs; PCBs; TBT; mineral oil]

SCHNITZLER, J.G.; KOUTRAKIS, E.; SIEBERT, U.; THOME, J.P.; DAS, K. Effects of persistent organic pollutants on the thyroid function of the European sea bass (Dicentrarchus labrax) from the Aegean sea, is it an endocrine disruption? Marine Pollution Bulletin, 56(10), 1755-1764, 2008. [DDD; DDE; DDT; PCB congeners; wild cf cultured specimens]


(3641) SUTTERLIN, H.; ALEXY, R.; KUMMERER, K. The toxicity of the quaternary ammonium compound benzalkonium chloride alone and in mixtures with other anionic compounds to bacteria in test systems with Vibrio fischeri and Pseudomonas putida. Ecotoxicology and Environmental Safety, 71(2), 498-505, 2008. [Linear alkylbenzene sulfonate (LAS); naphthalene sulfonic acid (NSA); sodium dodecylsulfonate (SDS); benzene sulfonic acid (BSA)]

(3642) TAM, N.F.Y. Pollution studies on mangroves in Hong Kong and mainland China. In: Wolanski, E., (editor). The environment in Asia Pacific harbours. p.147-163. Dordrecht, The Netherlands: Springer, 2006. [Cd; Cr; Cu; Ni; Pb; Zn; nutrients; livestock wastewater; DDTs; PCBs; PAHs; wastewater treatment]

(3643) TANG, Y.; FANG, Z.; YU, S. Heavy metals, polycyclic aromatic hydrocarbons and organochlorine pesticides in the surface sediments of mangrove swamps from coastal sites along the Leizhou Peninsula, South China. Acta Oceanologica Sinica, 27(1), 42-53, 2008. [Arsenic; Cd; Cr; Cu; Hg; Ni; Pb; Zn; PAHs; DDTs; PCBs; HCHs]


(3649) WANG, Z.; YAN, W.; CHI, J.; ZHANG, G. Spatial and vertical distribution of organochlorine pesticides in sediments from Daya Bay, South China. Marine Pollution Bulletin, 56(9), 1578-1585, 2008. [Aldrin; chlordanes; DDTs; HCHs; dieldrin; endrin; endosulfan; heptachlor; heptachlor epoxide; methoxychlor]


Section 6: Biological Wastes


(3658) HARGRAVE, B.T.; DOUCETTE, L.I.; CRANFORD, P.J.; LAW, B.A.; MILLIGAN, T.G. Influence of mussel aquaculture on sediment organic enrichment in a nutrient-rich coastal embayment. Marine Ecology Progress Series, 365, 137-149, 2008. [Biodeposition; hypoxia; sulphides]


(3670) TAM, N.F.Y. Pollution studies on mangroves in Hong Kong and mainland China. In: Wolanski, E., (editor). The environment in Asia Pacific harbours. p.147-163. Dordrecht, The Netherlands: Springer, 2006. [Cd; Cr; Cu; Ni; Pb; Zn; nutrients; livestock wastewater; DDTs; PCBs; PAHs; wastewater treatment]


Section 7: Heat


Section 8: Solids


(3689) BOCCHETTI, R.; FATTORINI, D.; PISANELLI, B.; MACCHIA, S.; OLIVIERO, L.; PILATO, F.; PELLEGRINI, D.; REGOLI, F. Contaminant accumulation and biomarker responses in caged mussels, Mytilus galloprovincialis, to evaluate bioavailability and toxicological effects of remobilized chemicals during dredging and disposal operations in harbour areas. Aquatic Toxicology, 89(4), 257-266, 2008. [Cd; Hg; Pb; Zn; PAHs]


(3692) DU FOUR, I.; VAN LANCKER, V. Changes of sedimentological patterns and morphological features due to the disposal of dredge spoil and the regeneration after cessation of the disposal activities. Marine Geology, 255(1/2), 15-29, 2008. [Belgian coast]


(3702) SANDERS, M.B; SEBIRE, M.; STURVE, J.; CHRISTIAN, P.; KATSIADAKI, I.; LYONS, B.P.; SHEAHAN, D.; WEEKS, J.M.; FEIST, S.W. Exposure of sticklebacks (Gasterosteus aculeatus) to cadmium sulfide nanoparticles: biological effects and the importance of experimental design. Marine Environmental Research, 66(1), 161-163, 2008. [Cd]


Section 9: Physical Disturbance


(3722) SCHLACHER, T.A.; MORRISON, J.M. Beach disturbance caused by off-road vehicles (ORVs) on sandy shores: relationship with traffic volumes and a new method to quantify impacts using image-based data acquisition and analysis. Marine Pollution Bulletin, 56(9), 1646-1649, 2008.


Section 10: Non-indigenous Species


(3737) DE LAFONTAINE, Y.; DESPATIE, S.-P.; WILEY, C. Effectiveness and potential toxicological impact of the PERACLEAN (R) Ocean ballast water treatment technology. Ecotoxicology and Environmental Safety, 71(2), 355-369, 2008. [Peracetic acid; hydrogen peroxide; degradation rate]


(3739) GERTZEN, E.; FAMILIAR, O.; LEUNG, B. Quantifying invasion pathways: fish introductions from the aquarium trade. Canadian Journal of Fisheries and Aquatic Sciences, 65(7), 1265-1273, 2008. [St. Lawrence Seaway]


