Marine Pollution Research Titles

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Volume 33: January - December 2006:
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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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Marine Biological Association
Citadel Hill Laboratory
Plymouth PL1 2PB,
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United Kingdom.

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Fax: 01752 633102
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Web http://www.mba.ac.uk/nmbl/
Section 1: General


(3733) CHAPMAN, M.G.; CLYNICK, B.G. Experiments testing the use of waste material in estuaries as habitat for subtidal organisms. Journal of Experimental Marine Biology and Ecology, 338(2), 164-178, 2006. [Colonisation; restoration]


LEONARD, D.R.P.; CLARKE, R.; SOMERFIELD, P.J.; WARWICK, R.M. The application of an indicator based on taxonomic distinctness for UK marine biodiversity assessments. Journal of Environmental Management, 78(1), 52-62, 2006. [Fal; Clyde; Exe; Scillies; Liverpool Bay; Tees; Harlyn Bay; St Erth Pits]


MOUFADDAL, W. Use of satellite imagery as environmental impact assessment tool: a case study from the NW Egyptian Red Sea Coastal Zone. Environmental Monitoring and Assessment, 107(1-3), 427-452, 2005.


NOVELLI, A.A.; LOSSO, C.; LIBRAlALATO, G.; TAGLIAPIETRA, D.; PANTANI, C.; GHIRARDINI, A.V. Is the 1:4 elutriation ratio reliable? Ecotoxicological comparison of four different sediment:water proportions. Ecotoxicology and Environmental Safety, 65(3), 306-313, 2006. [Arsenic; Cd; Cr; Cu; Hg; Ni; Pb; Zn; PCBs; HCB; PAHs; PCDDs; PCDFs]


(3771) UNITED NATIONS ENVIRONMENT PROGRAMME. People and reefs. Successes and challenges in the management of coral reef marine protected areas. UNEP Regional Seas Reports and Studies, (176), 100p., 2004.

(3772) WEBER, M. Accreditation as a regulatory option for Antarctic bioprospecting. Polar Record, 42(223), 349-357, 2006.


(3775) YUKSEK, A.; OKUS, E.; YILMAZ, I.N.; ASLAN-YILMAZ, A.; TAS, S. Changes in biodiversity of the extremely polluted Golden Horn Estuary following the improvements in water quality. Marine Pollution Bulletin, 52(10), 1209-1218, 2006. [Rehabilitation; nutrients; water clarity; faecal coliforms; hydrogen sulphide]
Section 2: Petroleum Hydrocarbons


(3779) DAHLEN, D.; HUNT, C.; EMSBO-MATTINGLY, S.; KEAY, K. Are toxic contaminants accumulating in Massachusetts coastal sediments following startup of the Massachusetts Bay outfall: a comprehensive comparison of baseline and post-diversion periods. Marine Pollution Bulletin, 52(11), 1372-1388, 2006. [Ag; Pb; PAH; PCB; Al; Cd; Cr; Cu; Fe; Hg; Ni; Zn; DDT; LAB; chlordane; dieldrin; sewage; wastewater discharge]

(3780) DASSENAKIS, M.; BOTSOU, F.; PARASKEVOPOULOU, V.; CHIKVILADZE, C.; KACHISAVILI, K. Transport of pollutants in two estuarine systems on the coast of Georgia. Chemistry and Ecology, 22(5), 379-393, 2006. [Nutrients; oil; Cu; Pb; Zn]


(3784) HOARAU, P.; DAMIENS, G.; ROMEO, M.; GNASSIA-BARELLI, M.; BEBIANNO, M.J. Cloning and expression of a GST-Pi gene in Mytilus galloprovincialis. Attempt to use the GST-pi transcript as a biomarker of pollution. Comparative Biochemistry and Physiology C, 143(2), 196-203, 2006. [Cd; benzo(a)pyrene]


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(3797) ROBERTS, A.P.; ORIS, J.T.; STUBBLEFIELD, W.A. Gene expression in caged juvenile Coho Salmon (Oncorhynchus kisutch) exposed to the waters of Prince William Sound, Alaska. Marine Pollution Bulletin, 52(11), 1527-1532, 2006. [Oil spill; PAH; CYP1A; Exxon Valdez]


Section 3: Metals

(3805) ALLA, A.; MOUNEYRAC, C.; DUROU, C.; MOUKRIM, A.; PELLERIN, J. Tolerance and biomarkers as useful tools for assessing environmental quality in the Oued Souss estuary (Bay of Agadir, Morocco). Comparative Biochemistry and Physiology C, 143(1), 23-29, 2006. [Cu; Zn; AChE; GST; catalase; TBARS]

(3806) ALVAREZ-IGLESIAS, P.; RUBIO, B.; PEREZ-ARLUECA, M. Reliability of subtidal sediments as "geochemical recorders" of pollution input: San Simon Bay (Ria de Vigo, NW Spain). Estuarine, Coastal and Shelf Science, 70(3), 507-521, 2006. [Ba; Co; Cr; Cu; Mn; Ni; Pb; Rb; Sr; V; Zn; sewage]


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(3810) CARVALHO, S.; GASPAR, M.B.; MOURA, A.; VALE, C.; ANTUNES, P.; GIL, O.; CANCELA DA FONSECA, L.; FALCAO, M. The use of the marine biotic index AMBI in the assessment of the ecological status of the Obidos lagoon (Portugal). Marine Pollution Bulletin, 52(11), 1414-1424, 2006. [Arsenic; Cd; Cr; Cu; Hg; Mn; Ni; Pb; Zn; DDT; dieldrin; PCB]

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(3819) FULLADOSA, E.; DEANE, E.; NG, A.H.Y.; EOO, N.Y.S.; MURAT, J.C.; VILLAESCUSA, I. Stress proteins induced by exposure to sublethal levels of heavy metals in sea bream (Sparus sarba) blood cells. Toxicology in Vitro, 20(1), 96-100, 2006. [Cd; Cr; Pb]

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(3838) LERA, S.; PELLEGRINI, D. Evaluation of the fertilization capability of Paracentrotus lividus sea urchin stored gametes by the exposure to different aqueous matrices. Environmental Monitoring and Assessment, 119(1-3), 1-13, 2006. [Cu]

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(3843) MELVILLE, F.; PULKOWNIK, A. Investigation of mangrove macroalgae as bioindicators of estuarine contamination. Marine Pollution Bulletin, 52(10), 1260-1269, 2006. [Cd; Cr; Cu; Ni; Pb; Zn; nutrients; turbidity]


(3845) MIRALLES, J.; VERON, A.J.; RADAKOVITCH, O.; DESCHAMPS, P.; TREMBLAY, T.; HAMELIN, B. Atmospheric lead fallout over the last century recorded in Gulf of Lions sediments (Mediterranean Sea). Marine Pollution Bulletin, 52(11), 1364-1371, 2006. [Pb]


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(3849) NOVELLI, A.A.; LOSSO, C.; LIBRALATO, G.; TAGLIAPIETRA, D.; PANTANI, C.; GHIRARDINI, A.V. Is the 1:4 elutriation ratio reliable? Ecotoxicological comparison of four different sediment:water proportions. Ecotoxicology and Environmental Safety, 65(3), 306-313, 2006. [Arsenic; Cd; Cr; Cu; Hg; Ni; Pb; Zn; PCBs; HCB; PAHs; PCDDs; PCDFs]

(3850) PALMER, A.S.; SNAPE, I.; STARK, J.S.; JOHNSTONE, G.J.; TOWNSEND, A.T. Baseline metal concentrations in Paramoera walkeri from East Antarctica. Marine Pollution Bulletin, 52(11), 1441-1449, 2006. [Cd; Cu; Fe; Mn; Ni; Pb; Zn]

(3851) PEKEY, H. The distribution and sources of heavy metals in Izmit Bay surface sediments affected by a polluted stream. Marine Pollution Bulletin, 52(10), 1197-1208, 2006. [Al; arsenic; Cd; Co; Cr; Cu; Fe; Mg; Mn; Ni; Pb; Sn; Zn; GIS]

(3852) PEREIRA, E.; ABREU, S.N.; COELHO, J.P.; LOPES, C.B.; PARDAL, M.A.; VALE, C.; DUARTE, A.C. Seasonal fluctuations of tissue mercury contents in the European shore crab Carcinus maenas from low and high contamination areas (Ria de Aveiro, Portugal). Marine Pollution Bulletin, 52(11), 1450-1457, 2006. [Hg; organic mercury]


(3858) WANG, Y.; LIANG, L.; SHI, J.; JIANG, G. Study on the contamination of heavy metals and their correlations in mollusks collected from coastal sites along the Chinese Bohai Sea. Environment International, 31(8), 1103-1113, 2005. [As; Cd; Co; Cr; Cu; Fe; Hg; Mn; Ni; Pb; Se; Zn]

(3859) WATANABE, T.; YUYAMA, I.; YASUMURA, S. Toxicological effects of biocides on symbiotic and aposymbiotic juveniles of the hermatypic coral Acropora tenuis. Journal of Experimental Marine Biology and Ecology, 339(2), 177-188, 2006. [Dichlorvos (DDVP); diuron (DCMU); TBT]


(3862) YANG, R.-Q.; ZHOU, Q.-F.; JIANG, G.-B. Butyltin accumulation in the marine clam Mya arenaria: an evaluation of its suitability for monitoring butyltin pollution. Chemosphere, 63(1), 1-8, 2006. [TBT; Sn]


Section 4: Radioactivity


Section 5: Other Chemicals

(3873) ALLA, A.; MOUNEYRAC, C.; DEROU, C.; MOUKRIM, A.; PELLERIN, J. Tolerance and biomarkers as useful tools for assessing environmental quality in the Oued Souss estuary (Bay of Agadir, Morocco). Comparative Biochemistry and Physiology C, 143(1), 23-29, 2006. [Cu; Zn; AChE; GST; catalase; TBARS]


(3879) BOUTHIR, F.Z.; CHAFIK, A.; BENBRAHIM, S.; SOUABI, S.; EL MERDHY, H.; MESSOUDI, A.; SIFEDDINE, M. Qualité physico-chimique des eaux cotieres du littoral de la Wilaya du grand Casablanca (ocean Atlantique marocain) utilisant la moule Mytilus galloprovincialis comme indicateur de la contamination metallique. Marine Life, 14(1/2), 59-70, 2004. [Cd; Cr; Cu; Hg; Pb; nutrients]


(3883) CARVALHO, S.; GASPAR, M.B.; MOURA, A.; VALE, C.; ANTUNES, P.; GIL, O.; CANCELA DA FONSECA, L.; FALCAO, M. The use of the marine biotic index AMBI in the assessment of the ecological status of the Obidos lagoon (Portugal). Marine Pollution Bulletin, 52(11), 1414-1424, 2006. [Arsenic; Cd; Cr; Cu; Hg; Mn; Ni; Pb; Zn; DDT; dieldrin; PCB]

(3884) CHANG, S.-M.; DOONG, R.-A. Concentration and fate of persistent organochlorine pesticides in estuarine sediments using headspace solid-phase microextraction. Chemosphere, 62(11), 1869-1878, 2006. [Aldrin; DDTs; HCHs; dieldrin; endrin; aldrin; endosulfan]


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(3900) HANDLER, N.B.; PAYTAN, A.; HIGGINS, C.P.; LUTHY, R.G.; BOEHM, A.B. Human development is linked to multiple water body impairments along the California coast. Estuaries and Coasts, 29(5), 860-870, 2006. [Faecal indicator bacteria; nutrients; particulate organic matter; coliforms; eutrophication]


(3905) HIRIART-BAER, V.; AUDET, C.; PELLERIN, J. Investigations on health of anadromous Arctic char (Salvelinus alpinus) from the Eastern Canadian Arctic ecosystem. Journal de Recherche Oceanographique, 30(1/2), 1-11, 2005. [Chlordanes; DDTs; HCB; HCH; mirex; PCBs; Cd; Hg; Pb; Se]


(3916) KAMMANN, U, (ET AL). Bioassay-directed fractionation of organic extracts of marine surface sediments from the North and Baltic Sea - Part II: results of the biotest battery and development of a biotest index. Journal of Soils and Sediments, 5(4), 225-232, 2005. \[PAHs; PCBs\]

(3917) KELLER, J.M.; KUCKLICK, J.R.; STAMPER, M.A.; HARMS, C.A.; MCCLELLAN-GREEN, P.D. Associations between organochlorine contaminant concentrations and clinical health parameters in loggerhead sea turtles from North Carolina, USA. Environmental Health Perspectives, 112(10), 1074-1079, 2004. \[DDTs; chlordanes; dieldrin; mirex; PCBs\]


(3923) LEE, Y.S. Factors affecting outbreaks of high-density Cnocludinium polykrikoides red tides in the coastal seawaters around Yeosu and Tongyeong, Korea. Marine Pollution Bulletin, 52(10), 1249-1259, 2006. \[Rainfall; nutrients; nitrate\]


(3925) LEWIS, J.B. Biology and ecology of the hydrocoral Millepora on coral reefs. Advances in Marine Biology, 50, 1-55, 2006. \[Including effects of natural and anthropogenic disturbances\]


LYSSIMACHOU, A.; JENSSEN, B.M.; ARUKWE, A. Brain cytochrome P450 aromatase gene isoforms and activity levels in Atlantic salmon after waterborne exposure to nominal environmental concentrations of the pharmaceutical ethynylestradiol and antifoulant tributyltin. Toxicological Sciences, 91(1), 82-92, 2006. [EE2; TBT]


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RIGOS, G.; TROISI, G.M. Antibacterial agents in Mediterranean finfish farming: a synopsis of drug pharmacokinetics in important euryhaline fish species and possible environmental implications. Reviews in Fish Biology and Fisheries, 15(1/2), 53-73, 2005. [Tetracyclines; quinolones; penicillin; chloramphenicol; oxolinic acid; flumequine]


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YAMAUCHI, M.; KIM, E.-Y.; IWATA, H.; SHIMA, Y.; TANABE, S. Toxic effects of 2,3,7,8-tetrachlorodibenzo-p-dioxin (TCDD) in developing red seabream (Pagrus major) embryo: an association of morphological deformities with AHR1, AHR2 and CYP1A expressions. Aquatic Toxicology, 80(2), 166-179, 2006.

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YUKSEK, A.; OKUS, E.; YILMAZ, I.N.; ASLAN-YILMAZ, A.; TAS, S. Changes in biodiversity of the extremely polluted Golden Horn Estuary following the improvements in water quality. Marine Pollution Bulletin, 52(10), 1209-1218, 2006. [Rehabilitation; nutrients; water clarity; faecal coliforms; hydrogensulphide]

Section 6: Biological Wastes

(3975) ALVAREZ-IGLESIAS, P.; RUBIO, B.; PEREZ-ARLUCEA, M. Reliability of subtidal sediments as "geochemical recorders" of pollution input: San Simon Bay (Ria de Vigo, NW Spain). Estuarine, Coastal and Shelf Science, 70(3), 507-521, 2006. [Ba; Co; Cr; Cu; Mn; Ni; Pb; Rb; Sr; V; Zn; sewage]

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