Marine Pollution Research Titles

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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


(2334) BJORGESAETER, A.; GRAY, J.S. Setting sediment quality guidelines: a simple yet effective method. Marine Pollution Bulletin, 57(6-12), 221-235, 2008. [Ba; Cd; Cu; Pb; Zn; total hydrocarbon]


(2336) CHAINHO, P.; CHAVES, M.L.; COSTA, J.L.; COSTA, M.J.; DAUER, D.M. Use of multimetric indices to classify estuaries with different hydromorphological characteristics and different levels of human pressure. Marine Pollution Bulletin, 56(6), 1128-1137, 2008. [Arsenic; Cd; Cr; Cu; Hg; Ni; Pb; Zn; nutrients; dissolved oxygen; natural stress]


(2343) DAUVIN, J.-C. The main characteristics, problems, and prospects for Western European coastal seas. Marine Pollution Bulletin, 57(1-5), 22-40, 2008. [English Channel; Atlantic Ocean; Seine; Loire; Gironde]


(2374) MCKENZIE, D.J.; LUND, I.; PEDERSEN, P.B. Essential fatty acids influence metabolic rate and tolerance of hypoxia in Dover sole (Solea solea) larvae and juveniles. Marine Biology, 154(6), 1041-1051, 2008.


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(2389) WONG, W.H.; GAO, Q.-F.; CHEUNG, S.G.; SHIN, P.K.S. Field observations on correlation of fatty acid profiles between suspended particulate matter and green-lipped mussels in subtropical waters of Hong Kong. Marine Pollution Bulletin, 57(6-12), 662-671, 2008. [Eutrophication; pollution gradient; organic enrichment; domestic sewage]


Section 2: Petroleum Hydrocarbons


(2394) ANDERSON, L.E.; MELVILLE, F.; JOLLEY, D. An assessment of an oil spill in Gladstone, Australia - impacts on intertidal areas at one month post-spill. Marine Pollution Bulletin, 57(6-12), 607-615, 2008. [PAHs; Al; Cu; Ga; Ni; V; Ag; arsenic; Cd; Co; Cr; Fe; Hg; Mn; Mo; Pb; Se]

(2395) BARROS, F.; HATJE, V.; FIGUEIREDO, M.B.; MAGALHAES, W.F.; DOREA, H.S.; EMIDIO, E.S. The structure of the benthic macrofaunal assemblages and sediments characteristics of the Paraguacu estuarine system, NE, Brazil. Estuarine, Coastal and Shelf Science, 78(4), 753-762, 2008. [Ba; Cd; Co; Cr; Cu; Mn; Ni; Pb; Zn; PAHs; nutrients]


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(2414) KUEH, C.S.W.; LAM, J.Y.C. Monitoring of toxic substances in the Hong Kong marine environment. Marine Pollution Bulletin, 57(6-12), 744-757, 2008. [DDTs; HCHs; TBT; phenol; nonylphenol; PBDEs; nonylphenol ethoxylates; PCBs; PAHs; methyl mercury; fluoride; arsenic; Ba; Be; Cd; Cu; Hg; Ag; Se; Ti; Sn; Zn; dioxins; furans]

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pesticides in green-lipped mussels (Perna viridis): do mussels "integrate" biomarker responses?
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(2445) ARAL, H.; VECCHIO-SADUS, A. Toxicity of lithium to humans and the environment - a literature review. Ecotoxicology and Environmental Safety, 70(3), 349-356, 2008.  [Li]


(2447) BARROS, F.; HATJE, V.; FIGUEIREDO, M.B.; MAGALHAES, W.F.; DOREA, H.S.; EMIDIO, E.S. The structure of the benthic macrofaunal assemblages and sediments characteristics of the Paraguacu estuarine system, NE, Brazil. Estuarine, Coastal and Shelf Science, 78(4), 753-762, 2008.  [Ba; Cd; Co; Cr; Cu; Mn; Ni; Pb; Zn; PAHs; nutrients]


(2449) BJORGESAETER, A.; GRAY, J.S. Setting sediment quality guidelines: a simple yet effective method. Marine Pollution Bulletin, 57(6-12), 221-235, 2008.  [Ba; Cd; Cu; Pb; Zn; total hydrocarbon]

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(2451) CAREGNATO, F.F.; KOLLER, C.E.; MACFARLANE, G.R.; MOREIRA, J.C.F. The glutathione antioxidant system as a biomarker suite for the assessment of heavy metal exposure and effect in the grey mangrove, Avicennia marina (Forsk.) Vierh. Marine Pollution Bulletin, 56(6), 1119-1127, 2008. [Cu; Pb; Zn]

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(2455) DAUVIN, J.-C. The main characteristics, problems, and prospects for Western European coastal seas. Marine Pollution Bulletin, 57(1-5), 22-40, 2008. [English Channel; Atlantic Ocean; Seine; Loire; Gironde]


(2457) DE, J.; RAMAIAH, N.; VARDANYAN, L. Detoxification of toxic heavy metals by marine bacteria highly resistant to mercury. Marine Biotechnology, 10(4), 471-477, 2008. [Cd; Hg; Pb]


(2459) DOONG, R.-A.; LEE, S.-H.; LEE, C.-C.; SUN, Y.-C.; WU, S.-C. Characterization and composition of heavy metals and persistent organic pollutants in water and estuarine sediments from Gao-ping River, Taiwan. Marine Pollution Bulletin, 57(6-12), 846-857, 2008. [Arsenic; Cd; Cr; Cu; Hg; Ni; Pb; Zn; DDTs; HCHs; cyclodienes; PCBs; aldrin; dieldrin; endrin; heptachlor; endosulfan; methoxychlor]

(2460) ENDO, T.; HISAMICHI, Y.; KIMURA, O.; HARAGUCHI, K.; BAKER, C.S. Contamination levels of mercury and cadmium in melon-headed whales (Peponocephala electra) from a mass stranding on the Japanese coast. Science of the Total Environment, 401(1-3), 73-80, 2008. [Cd; Hg; methyl mercury; Se]


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(2465) GUILHERME, S.; VALEGA, M.; PEREIRA, M.E.; SANTOS, M.A.; PACHECO, M. Erythrocytic nuclear abnormalities in wild and caged fish (Liza aurata) along an environmental mercury contamination gradient. Ecotoxicology and Environmental Safety, 70(3), 411-421, 2008. [Hg]


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(2468) HARINO, H. Studies on behavior of organotin compounds in aquatic environment. 172p. 1998. [Monobutyltin; dibutyltin; TBT; monophenyltin; diphenyltin; triphenyltin; tributyl phosphate; comparison with PCBs]


(2470) HINSBY, K.; CONDESSO DE MELO, M.T.; DAHL, M. European case studies supporting the derivation of natural background levels and groundwater threshold values for the protection of dependent ecosystems and human health. Science of the Total Environment, 401(1-3), 1-20, 2008. [Nutrients; arsenic]


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(2477) LACOUE-LABARTHE, T.; WARNAU, M.; OBERHANSLI, F.; TEYSSIE, J.-L.; JEFFREE, R.; BUSTAMANTE, P. First experiments on the maternal transfer of metals in the cuttlefish Sepia officinalis. Marine Pollution Bulletin, 57(6-12), 826-831, 2008. [Ag; Am; Cd; Co; Cs; Mn; Se; Zn; radionuclides]

(2478) LAFABRIE, C.; PERGENT-MARTINI, C.; PERGENT, G. First results on the study of metal contamination along the Corsican coastline using Posidonia oceanica. Marine Pollution Bulletin, 57(1-5), 155-159, 2008. [Cd; Co; Cr; Hg; Ni; Pb]

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(2482) LIU, C.; ZHANG, J.; CHESTER, R. Preliminary comparison of trace metals in coastal aerosols between Qingdao and Liverpool. Chinese Journal of Oceanology and Limnology, 26(2), 203-214, 2008. [Cd; Co; Cr; Cu; Ni; Pb; V; Zn; Al; Fe; Mn; Irish Sea coast]


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(2491) PETTERSEN, J.; HERTWICH, E.G. Critical review: life-cycle inventory procedures for long-term release of metals. Environmental Science and Technology, 42(13), 4639-4647, 2008. [Arsenic; Ba; Cd; Cr; Co; Cu; Ni; Pb; V; Zn; solid wastes; barite]

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(2494) PREGO, R.; SANTOS-ECHEANDIA, J.; COBELO-GARCIA, A. Letter to the editor re: Villares et al., 2007; on the impact of the Prestige oil spill on the levels of vanadium and other trace elements along the coast of Galicia (NW Iberian Peninsula). Science of the Total Environment, 399(1-3), 216-218, 2008. [Cu; V]


(2496) RAMOND, J.-B.; BERTHE, T.; LAFITE, R.; DELOFFRE, J.; OUDDANE, B.; PETIT, F. Relationships between hydrosedimentary processes and occurrence of mercury-resistant bacteria (merA) gene in estuary mudflats (Seine, France). Marine Pollution Bulletin, 56(6), 1168-1176, 2008. [Hg; compared with Authie]

(2497) RANTAKOKKO, P.; TURUNEN, A.; VERKASALO, P.K.; KIVIRANTA, H.; MANNISTO, S.; VARTIAINEN, T. Blood levels of organotin compounds and their relation to fish consumption in Finland. Science of the Total Environment, 399(1-3), 90-95, 2008. [Monobutyltin; dibutyltin; TBT; monophenyltin; diphenyltin; triphenyltin; seafood]


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(2501) ROTHENBERG, S.E.; AMBROSE, R.F.; JAY, J.A. Mercury cycling in surface water, pore water and sediments of Mugu Lagoon, CA, USA. Environmental Pollution, 154(1), 32-45, 2008. [Hg; methymercury]
(2502) SCHINTU, M.; DURANTE, L.; MACCIONI, A.; MELONI, P.; DEGETTO, S.; CONTU, A. Measurement of environmental trace-metal levels in Mediterranean coastal areas with transplanted mussels and DGT techniques. Marine Pollution Bulletin, 57(6-12), 832-837, 2008. [Cd; Cu; Ni; Pb]


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(2506) STAVROS, H.-C.W.; BONDE, R.K.; FAIR, P.A. Concentrations of trace elements in blood and skin of Florida manatees (Trichechus manatus latirostris). Marine Pollution Bulletin, 56(6), 1221-1225, 2008. [Al; arsenic; Ba; Cd; Co; Cu; Fe; Hg; Li; Mn; Ni; Pb; Sb; Sc; Sn; Ti; U; V; Zn]

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Section 4: Radioactivity


(2519) LACOUE-LABARTHE, T.; WARNAU, M.; OBERHANSLI, F.; TEYSSIE, J.-L.; JEFFREE, R.; BUSTAMANTE, P. First experiments on the maternal transfer of metals in the cuttlefish Sepia officinalis. Marine Pollution Bulletin, 57(6-12), 826-831, 2008. [Ag; Am; Cd; Co; Cs; Mn; Se; Zn; radionuclides]


Section 5: Other Chemicals


(2528) BARROS, F.; HATJE, V.; FIGUEIREDO, M.B.; MAGALHAES, W.F.; DOREA, H.S.; EMIDIO, E.S. The structure of the benthic macrofaunal assemblages and sediments characteristics of the Paraguacu estuarine system, NE, Brazil. Estuarine, Coastal and Shelf Science, 78(4), 753-762, 2008. [Ba; Cd; Co; Cr; Cu; Mn; Ni; Pb; Zn; PAHs; nutrients]


(2530) BJORGESAETER, A.; GRAY, J.S. Setting sediment quality guidelines: a simple yet effective method. Marine Pollution Bulletin, 57(6-12), 221-235, 2008. [Ba; Cd; Cu; Pb; Zn; total hydrocarbon]


(2532) CHAINHO, P.; CHAVES, M.L.; COSTA, J.L.; COSTA, M.J.; DAUER, D.M. Use of multimetric indices to classify estuaries with different hydromorphological characteristics and different levels of human pressure. Marine Pollution Bulletin, 56(6), 1128-1137, 2008. [Arsenic; Cd; Cr; Cu; Hg; Ni; Pb; Zn; nutrients; dissolved oxygen; natural stress]


(2535) CONNELL, D.; YU, J. Use of exposure time and life expectancy in models for toxicity to aquatic organisms. Marine Pollution Bulletin, 57(6-12), 245-249, 2008. [Halogenated benzenes; chlorobenzenes; narcotics; persistent organic pollutants (POPs)]
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