Marine Pollution
Research Titles

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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


(5497) AZOVSKY, A.I.; MAZEI, YU.A. Structure of subtidal and interdial ciliate communities of the Pechora shoal (the Barents Sea). [In Russian with English summary]. Okeanologiya, 47(1), 69-77, 2007. [Low pollution level indicated; subtidal; interstitial]


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(5507) DONNER, S.D.; SCAVIA, D. How climate controls the flux of nitrogen by the Mississippi River and the development of hypoxia in the Gulf of Mexico. Limnology and Oceanography, 52(2), 856-861, 2007. [Nutrients; agricultural input]


(5534) RINKEVICH, B. Separating the wheat from the chaff: the interplay of science and environmental management decision through a critical examination of the literature. Journal of Experimental Marine Biology and Ecology, 344(2), 229-237, 2007. [Eilat; coral reef degradation; fish farming]


(5542) SUNDARESHWAR, P.V., (ET AL). Environmental monitoring network for India. Science, 316(5822), 204-205, 2007. [FLUXNET; INDOFLUX]


Section 2: Petroleum Hydrocarbons


(5561) CLAISSE, D.; LE MOIGNE, M.; DURAND, G.; BELIAEFF, B. Ligne de base: les contaminants chimiques dans les huîtres et les moules du littoral français. Travaux du Reseau National d'Observation de la Qualite du Milieu Marin, 2006, 27-51, 2006. [Ag; Cd; Cr; Cu; Hg; Ni; Pb; V; Zn; DDT; lindane; CB 153; fluoranthene]

(5562) DOGAN, E.; BURAK, S. Ship-originated pollution in the Istanbul Strait (Bosphorus) and Marmara Sea. Journal of Coastal Research, 23(2), 388-394, 2007. [Oil; review]

(5563) FASHUK, D.YA.; AVDEEVA, T.M.; EGOROVA, A.P.; PETRENKO, O.A. Hydrochemical consequences of gas extraction on the North-west Shelf of the Black Sea. [In Russian with English summary]. Izvestiya Rossiijskoj Akademii nauk. Seriya geograficheskaya/Proceedings of the Russian Academy of Sciences. Geographical Series, (1), 101-111, 2006. [Cd; Cr; Cu; Hg; Pb; oil]

(5564) FOWLER, S.W.; VILLENEUVE, J.-P.; WYSE, E.; JUPP, B.; DE MORA, S. Temporal survey of petroleum hydrocarbons, organochlorinated compounds and heavy metals in benthic marine organisms from Dhofar, southern Oman. Marine Pollution Bulletin, 54(3), 357-367, 2007. [pp'-DDE; HCB; PCBs; Aroclor 1254; Cd; Cu; Pb; V]


(5569) JAMES, A.; CLAISSE, D.; MARCHAND, M. Les normes de qualite environnementale (NQE), outils d’évaluation du bon etat chimique. Travaux du Reseau National d’Observation de la Qualite du Milieu Marin, 2006, 20-26, 2006. [PAHs; pesticides; TBT; Cd; Hg; Ni; Pb]


(5571) KINDER, A.; SIERTS-HERRMANN, A.; BISELLI, S.; HEINZEL, N.; HUHNERFUSS, H.; KAMMANN, U.; REINEKE, N.; THEOBALD, N.; STEINHART, H. Expression of heat shock protein 70 in a permanent cell line (EPC) exposed to sediment extracts from the North Sea and the Baltic Sea. Marine Environmental Research, 63(5), 506-515, 2007. [Hsp 70; 3-methyl quinoline; phenanthrene; 9,10-phenanthrene quinone; pyrene; fluoranthene; 4-bromophenol; tris(2-chloroethyl)phosphate; 2-methylthiobenzothiazole; dieldrin; benzantrone; carbazole]


Section 3: Metals

(5589) AMIARD, J.-C.; GEFFARD, A.; AMIARD-TRIQUET, C.; CROUZET, C. Relationship between the lability of sediment-bound metals (Cd, Cu, Zn) and their bioaccumulation in benthic invertebrates. Estuarine, Coastal and Shelf Science, 72(3), 511-521, 2007. [Sampling sites include Restronguet Creek; Seine Estuary; Boulogne Harbour; Bay of Biscay]


(5592) BOWLES, F.; ENGLISH, P. 19. Sediment quality and benthic invertebrates in Holes Bay. In: Humphreys, J.; May, V., (editors). The ecology of Poole Harbour. p.223-229. The Netherlands: Elsevier, 2005. (Proceedings in Marine Science 7) [Al; arsenic; Cd; Cr; Cu; Fe; Hg; Mn; Ni; Pb; Zn]

(5593) BREKHOVSKIKH, V.F.; OSTROVSKAYA, E.V.; KATUNIN, D.N.; VOLKOVA, Z.V. The effect of the Volga River water flow on the northern Caspian Sea coastal water. [In Russian with English summary]. Meteorologiya i Gidrologiya, (2), 88-97, 2006. [Cu; Zn; Fe; Mn; Ni; Pb; Co]

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(5596) CACCIA, V.G.; MILLERO, F.J. Distribution of yttrium and rare earths in Florida Bay sediments. Marine Chemistry, 104(3/4), 171-185, 2007. [Phosphogypsum; phosphate fertilizers; Y; La; Ce; Pr; Nd; Sm; Eu; Gd; Tb; Dy; Ho; Er; Tm; Yb; Lu]


(5598) CLAISSE, D.; LE MOIGNE, M.; DURAND, G.; BELIAEFF, B. Ligne de base: les contaminants chimiques dans les huîtres et les moules du littoral francais. Travaux du Reseau National d’Observation de la Qualite du Milieu Marin, 2006, 27-51, 2006. [Ag; Cd; Cr; Cu; Hg; Ni; Pb; V; Zn; DDT; lindane; CB 153; fluoranthene]


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(5608) FOWLER, S.W.; VILLENEUVE, J.-P.; WYSE, E.; JUPP, B.; DE MORA, S. Temporal survey of petroleum hydrocarbons, organochlorinated compounds and heavy metals in benthic marine organisms from Dhofar, southern Oman. Marine Pollution Bulletin, 54(3), 357-367, 2007. [pp'-DDE; HCB; PCBs; Aroclor 1254; Cd; Cu; Pb; V]


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Trace metal distribution in sediments of the Pearl River Estuary and the surrounding coastal area, South China. Environmental Pollution, 147(2), 311-323, 2007. [Al; Cd; Co; Cr; Cu; Mn; Ni; Pb; V; Zn; hotspots]

Les normes de qualité environnementale (NQE), outils d'évaluation du bon état chimique. Travaux du Réseau National d'Observation de la Qualité du Milieu Marin, 2006, 20-26, 2006. [PAHs; pesticides; TBT; Cd; Hg; Ni; Pb]

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XU, Y.; JIANG, T.; LENG, K. Sanitary quality of farmed oyster from Shenzhen seaboard (I). Assessment on heavy metals. [In Chinese with English summary]. Marine Environmental Science/Haiyang Huanjing Kexue, 24(1), 24-27, 2005. [Arsenic; Cd; Cr; Cu; Hg; Pb; Zn]

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ZHONG, A.-P.; GUO, S.-H.; LI, F.-M.; LI, G.; JIANG, K.-X. Impact of anions on the heavy metals release from marine sediments. Journal of Environmental Sciences, 18(6), 1216-1220, 2006. [Cd; Cu; Pb; Zn]
Section 4: Radioactivity


Section 5: Other Chemicals


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(5670) DONNER, S.D.; SCAVIA, D. How climate controls the flux of nitrogen by the Mississippi River and the development of hypoxia in the Gulf of Mexico. Limnology and Oceanography, 52(2), 856-861, 2007. [Nutrients; agricultural input]


(5676) FOWLER, S.W.; VILLENEUVE, J.-P.; WYSE, E.; JUPP, B.; DE MORA, S. Temporal survey of petroleum hydrocarbons, organochlorinated compounds and heavy metals in benthic marine organisms from Dhofar, southern Oman. Marine Pollution Bulletin, 54(3), 357-367, 2007. [pp'-DDE; HCB; PCBs; Aroclor 1254; Cd; Cu; Pb; V]


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(5680) HAGLUND, P.; SPORRING, S.; WIBERG, K.; BJORKLUND, E. Shape-selective extraction of PCBs and dioxins from fish and fish oil using in-cell carbon fractionation pressurized liquid extraction. Analytical Chemistry, 79(7), 2945-2951, 2007. [PCDDs; PCDFs]


(5683) JAMES, A.; CLAISSE, D.; MARCHAND, M. Les normes de qualite environnementale (NQE), outils d’évaluation du bon etat chimique. Travaux du Reseau National d’Observation de la Qualite du Milieu Marin, 2006, 20-26, 2006. [PAHs; pesticides; TBT; Cd; Hg; Ni; Pb]


(5689) KINDER, A.; SIERTS-HERRMANN, A.; BISELLI, S.; HEINZEL, N.; HUHNERFUSS, H.; KAMMANN, U.; REINEKE, N.; THEOBALD, N.; STEINHART, H. Expression of heat shock protein 70 in a permanent cell line (EPC) exposed to sediment extracts from the North Sea and the Baltic Sea. Marine Environmental Research, 63(5), 506-515, 2007. [Hsp 70; 3-methyl quinoline; phenanthrene; 9,10-phenanthrene quinone; pyrene; fluoranthene; 4-bromophenol; tris(2-chloroethyl)phosphate; 2-methylthiobenzothiazole; dieldrin; benzanthrone; carbazole]


(5692) KOHLMEIER, C.; EBENHOH, W. Modelling the ecosystem dynamics and nutrient cycling of the Spiekeroog back barrier system with a coupled Euler-Lagrange model on the base of ERSEM. Ecological Modelling, 202(3/4), 297-310, 2007. [Spiekeroog, German Bight; nutrient loading]


(5694) LANGSTON, W.J.; BURT, G.R.; CHESMAN, B.S. Feminisation of male clams Scrobicularia plana from estuaries in Southwest UK and its induction by endocrine-disrupting chemicals. Marine Ecology Progress Series, 333, 173-184, 2007. [Intersex; Erme; Fal; Lynher; Plym; Tamar; Hamble; Itchen; Test; Severn; Bristol Channel; Southampton Water; Rhymney; Penarth; Barry Island; Dalton’s Point; 17beta-oestradiol(e2); 17alpha-ethinylestraadiol(ee2); octylphenol; nonylphenol]


(5697) LEWIS, A.C., (ET AL). Chemical composition observed over the mid-Atlantic and the detection of pollution signatures far from source regions. Journal of Geophysical Research, 112(D10), 2007. [VOCs; sulphate]

(5698) LI, J.; JI-DONG, G. Biochemical cooperation between Klebsiella oxytoca Sc and Methyllobacterium mesophilium Sr for complete degradation of dimethyl isophthalate. Water, Air and Soil Pollution: Focus, 6(5/6), 569-574, 2006.


(5706) MENG X.-Z.; ZENG, E.Y.; YU L.-P.; MAI, B.-X.; LUO, X.-J.; RAN, Y. Persistent halogenated hydrocarbons in consumer fish of China: regional and global implications for human exposure. Environmental Science and Technology, 41(6), 1821-1827, 2007. [DDTs; HCHs; PCBs; PBDEs; aldrin; dieldrin; endrin; endosulfan; endosulfan sulphate; heptachlor; heptachlor epoxide; endrin aldehyde; methoxychlor]


(5710) NANCHARAIYAH, Y.V.; RAJADURAI, M.; VENUGOPALAN, V.P. Single cell level microalgal ecotoxicity assessment by confocal microscopy and digital image analysis. Environmental Science and Technology, 41(7), 2617-2621, 2007. [Cocconeis scutellum; chlorine; sodium hypochlorite; TRO]


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(5715) PANE, E.F.; BARRY, J.P. Extracellular acid-base regulation during short-term hypercapnia is effective in a shallow-water crab, but ineffective in a deep-sea crab. Marine Ecology Progress Series, 334, 1-9, 2007. [Anthropogenic CO2; sequestration; acidification]


(5717) PELTONEN, H.; KILJUNEN, M.; KIVIRANTA, H.; VUORINEN P.J.; VERTA, M.; KARJALAINEN, J. Predicting effects of exploitation rate on weight-at-age, population dynamics and bioaccumulation of PCDD/Fs and PCBs in herring (Clupea harengus L.) in the Northern Baltic Sea. Environmental Science and Technology, 41(6), 1849-1855, 2007. [PCDFs]

(5718) POINT, D., (ET AL). Biological control of trace metal and organometal benthic fluxes in a eutrophic lagoon (Thau Lagoon, Mediterranean Sea, France). Estuarine, Coastal and Shelf Science, 72(3), 457-471, 2007. [Cd; Co; Cu; Mn; Pb; U; Hg; monomethylmercury; monobutyltin; dibutyltin; TBT]

(5719) POULIN, P.; PELLETIER, E.; SAINT-LOUIS, R. Seasonal variability of denitrification efficiency in northern salt marshes: an example from the St. Lawrence Estuary. Marine Environmental Research, 63(5), 490-505, 2007. [Eutrophication; nutrients]


(5722) RADACH, G.; PATSCH, J. Variability of continental riverine freshwater and nutrient inputs into the North Sea for the years 1977-2000 and its consequences for the assessment of eutrophication. Estuaries and Coasts, 30(1), 66-81, 2007. [From Belgium; The Netherlands and Germany]


Section 6: Biological Wastes


(5745) BOWLES, F.; ENGLISH, P. 19. Sediment quality and benthic invertebrates in Holes Bay. In: Humphreys, J.; May, V., (editors). The ecology of Poole Harbour. p.223-229. The Netherlands: Elsevier, 2005. (Proceedings in Marine Science 7) [Al; arsenic; Cd; Cr; Cu; Fe; Hg; Mn; Ni; Pb; Zn]


LYONS, D.; DORE, B. Shellfish microbiology - implementation of the hygiene regulations and good practice guide. Marine Environment and Health Series, (27), 4-7, 2007. [E. coli]


Section 7: Heat


Section 8: Solids


(5785) VALDES-LOZANO, D.S.; CHUMACERO, M.; REAL, E. Sediment oxygen consumption in a developed coastal lagoon of the Mexican Caribbean. Indian Journal of Marine Sciences, 35(3), 227-234, 2006. [BOD; anthropogenic activity; nutrients; organic matter; tourism; urban developments]
Section 9: Physical Disturbance


Section 10: Non-indigenous Species


