## Marine Pollution Research Titles

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Volume 32: January - December 2005:
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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


(2230) BATES, W.R. Environmental factors affecting reproduction and development in ascidians and other protochordates. Canadian Journal of Zoology, 83(1), 51-61, 2005. [Review; including avoidance of DNA damage caused by UV; environmental stress]


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(2293) RUTHERFORD, L.D., JR.; THUESEN, E.V. Metabolic performance and survival of medusae in estuarine hypoxia. Marine Ecology Progress Series, 294, 189-200, 2005. [Eutrophication]


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(2314) AHERNS, M.J.; MORRISEY, D.J. Biological effects of unburnt coal in the marine environment. Oceanography and Marine Biology. Annual Review, 43, 69-122, 2005. [PAHs; Cd; Cr; Cu; Hg; Ni; Pb; Zn; nutrients]


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(2319) ARIESE, F.; BEYER, J.; JONSSON, G.; VISA, C.P.; KRAHN, M.M. Review of analytical methods for determining metabolites of polycyclic aromatic compounds (PACs) in fish bile. ICES Techniques in Marine Environmental Sciences, 39, 41p., 2005. [PAHs; l-hydroxypyrene; 1-hydroxyphenanthrene; 1-hydroxynaphthalene; 3-hydroxybenzo(a)pyrene]


(2328) GOANVEC, C. Contribution à l'étude des effets physiologiques d'une contamination par les hydrocarbures chez le turbot (Scophthalmus maximus): importance des modes d'intoxication. 127p. Brest, France: University de Bretagne Occidentale, 2004. (Oil spills; PAHs) [Thesis]


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Seruto, C.; Sapozhnikova, Y.; Schlenk, D. Evaluation of the relationships between biochemical endpoints of PAH exposure and physiological endpoints of reproduction in male California halibut (Paralichthys californicus) exposed to sediments from a natural oil seep. Marine Environmental Research, 60(4), 454-465, 2005. [16 PAH; cytochrome P450 1A; CYP1A; FACs; gonadal somatic indices; plasma steroids]


Section 3: Metals

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(2360) Bezverbnaya, I.P.; Buzoleva, L.S.; Khristoforova, N.K. Metal-resistant heterotrophic bacteria in coastal waters of Primorye. [In Russian with English summary]. Biologiya Morya, 31(2), 89-93, 2005. [Cd; Co; Cu; Ni; Pb; Zn; antibiotic resistance]


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(2377) IVANOVA, E.P., (ET AL). Distribution of saprophytic bacteria in the atomic submarine accident zone in Chazhma Bay, Sea of Japan. [In Russian with English summary]. Biologiya Morya, 31(2), 82-88, 2005. [Co 60; Cd; Co; Cu; Fe; Mn; Ni; Pb; Zn]

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(2379) KAVUN, V.Y.; SHULKIN, V.M. Trace metals variations of the bivalve Crenomytilus grayanus during a field transplant experiment. [In Russian with English summary]. Biologiya Morya, 31(2), 123-128, 2005. [Cd; Cu; Fe; Mn; Pb; Zn]


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(2400) RATH, P.; PANDA, U.C.; BHATTA, D.; SAHOO, B.N. Environmental quantification of heavy metals in the sediments of the Brahmani and Nandira rivers, Orissa. Journal of the Geological Society of India, 65(4), 487-492, 2005. [Fly ash; power plants; industrial wastes; Al; Fe; Ti; Mn; Cu; Ni; Co; Pb; Zn; Cr; Cd; Hg]


(2403) ROSSO, P.H.; PUSHNIK, J.C.; LAY, M.; USTIN, S.L. Reflectance properties and physiological responses of Salicornia virginica to heavy metal and petroleum contamination. Environmental Pollution, 137(2), 241-252, 2005. [Cd; V; petroleum Escravos; petroleum Alba]


(2407) SHADE, C.W.; HUDDSON, R.J.M. Determination of MeHg in environmental sample matrices using Hg - thiourea complex ion chromatography with on-line cold vapor generation and atomic fluorescence spectrometric detection. Environmental Science and Technology, 39(13), 4974-4982, 2005. [DOLT-2; DORM-2; estuarine sediment]


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(2410) STERN, G.A.; MACDONALD, R.W. Biogeographic provinces of total and methyl mercury in zooplankton and fish from the Beaufort and Chukchi Seas: results from the SHEBA drift. Environmental Science and Technology, 39(13), 4707-4713, 2005. [Hg]

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(2413) ATKINSON, R.J.A.; TAYLOR, A.C. Aspects of the physiology, biology and ecology of thalassinidean shrimps in relation to their burrow environment. Oceanography and Marine Biology. Annual Review, 43, 173-210, 2005. [UK species; Calocaris macandreae; Jaxea nocturna; Callianassa subterranea; Upogebia stellata; U. deltaura]


(2415) BATES, W.R. Environmental factors affecting reproduction and development in ascidians and other protochordates. Canadian Journal of Zoology, 83(1), 51-61, 2005. [Review; including avoidance of DNA damage caused by UV; environmental stress]


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JICKELLS, T. External inputs as a contributor to eutrophication problems. Journal of Sea Research, 54(1), 58-69, 2005. [Review; nitrate; phosphorus; nutrients; atmospheric; groundwater; rivers]


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LEVER, M.A.; VALIELA, I. Response of microphytobenthic biomass to experimental nutrient enrichment and grazer exclusion at different land-derived nitrogen loads. Marine Ecology Progress Series, 294, 117-129, 2005. [Eutrophication; nitrogen load]


NAQVI, S.W.A.; BANGE, H.W.; GIBB, S.W.; GOYET, C.; HATTON, A.D.; UPSTILL-GODDARD, R.C. Biogeochemical ocean-atmosphere transfers in the Arabian Sea. Progress in Oceanography, 65(2-4), 116-144, 2005. [Human induced eutrophication; modified hydrography; anthropogenic; Co2]


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(2511) WEBB, D.; GAGNON, M.M.; ROSE, T.H. Interannual variability in fish biomarkers in a contaminated temperate urban estuary. Ecotoxicology and Environmental Safety, 62(1), 53-65, 2005. [ECOD; EROD; PAH; SDH; nutrients; MFO]


Section 6: Biological Wastes


(2521) BIESEN, G.V.; PARRISH, C.C. Long-chain monounsaturated fatty acids as biomarkers for the dispersal of organic waste from a fish enclosure. Marine Environmental Research, 60(3), 375-388, 2005. [Organic enrichment]


Section 7: Heat


(2540) HOISINGTON, G. IV.; LOWE, C.G. Abundance and distribution of the round stingray, Urobatis halleri, near a heated effluent outfall. Marine Environmental Research, 60(4), 437-453, 2005.


(2546) SHEPPARD, C.; RIOJA-NIETO, R. Sea surface temperature 1871-2099 in 38 cells in the Caribbean region. Marine Environmental Research, 60(3), 389-396, 2005. [Coral bleaching]


Section 8: Solids

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Section 9: Physical disturbance


(2567) FANINI, L.; CANTARINI, C.M.; SCAPINI, F. Relationships between the dynamics of two Talitrus saltator populations and the impact of activities linked to tourism. Oceanologia, 47(1), 93-112, 2005. [Trampling; mechanical beach cleaning]


(2570) HUMBORSTAD, O.-B. Impact assessment of bottom trawls and gillnets in Norwegian waters. 53p. Bergen, Norway: University of Bergen, Department of Biology, (Thesis)


(2572) LUSSEAU, D. Residency pattern of bottlenose dolphins Tursiops spp. in Milford Sound, New Zealand, is related to boat traffic. Marine Ecology Progress Series, 295, 265-272, 2005. [Tourism impact]


Section 10: Non-indigenous species


(2588) BROWN, J.J.; HILDRETH, R.; FORD, S.E. When the world is not your oyster. Science, 309(5732), p.244, 2005. [Proposed introduction of Crassostrea ariakensis]


(2591) CINAR, M.E. Polychaetes from the coast of northern Cyprus (eastern Mediterranean Sea), with two new records for the Mediterranean Sea. Cahiers de Biologie Marine, 46(2), 143-159, 2005. [Lessepsian]


KEPEL, A.A.; TSAREVA, L.A. The first occurrence of tropical crabs Portunus sanguinolentus (Herbst, 1783) and Plagusia depressa tuberculata Lamarck, 1818 in Peter the Great Bay, Sea of Japan. [In Russian with English summary]. Biologiya Morya, 31(2), 138-139, 2005. [Probably transported by drift rubbish]


