## Marine Pollution Research Titles

### CONTENTS

<table>
<thead>
<tr>
<th>Category</th>
<th>Page</th>
</tr>
</thead>
<tbody>
<tr>
<td>General</td>
<td>1</td>
</tr>
<tr>
<td>Petroleum Hydrocarbons</td>
<td>6</td>
</tr>
<tr>
<td>Metals</td>
<td>10</td>
</tr>
<tr>
<td>Radioactivity</td>
<td>15</td>
</tr>
<tr>
<td>Other Chemicals</td>
<td>16</td>
</tr>
<tr>
<td>Biological Wastes</td>
<td>23</td>
</tr>
<tr>
<td>Heat</td>
<td>25</td>
</tr>
<tr>
<td>Solids</td>
<td>26</td>
</tr>
<tr>
<td>Physical Disturbance</td>
<td>27</td>
</tr>
<tr>
<td>Non-indigenous Species</td>
<td>29</td>
</tr>
</tbody>
</table>

Please note that this publication is for users within your institution only and should not be made available to anyone outside the authorised site. Anyone interested in subscribing to Marine Pollution Research Titles can visit our web pages for more information or contact us at the address on page IV.

### Subscription

**Volume 35: January - December 2008:**

£120 Available online
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

National Marine Biological Library
Marine Biological Association
Citadel Hill Laboratory
Plymouth PL1 2PB,
Devon,
United Kingdom.

Telephone: 01752 633266
Fax: 01752 633102
Email: nmbl@mba.ac.uk
Web: http://www.mba.ac.uk/nmbl/
Section 1: General


(1661) Hassell, K.L.; Coutin, P.C.; Nugegoda, D. Hypoxia, low salinity and lowered temperature reduce embryo survival and hatch rates in black bream Acanthopagrus butcheri (Munro, 1949). Journal of Fish Biology, 72(7), 1623-1636, 2008. [Climate change]


(1676) LARSON, F.; SUNDBACK, K. Role of microphytobenthos in recovery of functions in a shallow-water sediment system after hypoxic events. Marine Ecology Progress Series, 357, 1-16, 2008.


(1682) MICHELI, F.; BISHOP, M.J.; PETERSON, C.H.; RIVERA, J. Alteration of seagrass species composition and function over two decades. Ecological Monographs, 78(2), 225-244, 2008. [Eutrophication; habitat quality; climate change; nutrients]

(1683) MITCHELL, S.B.; BURGESS, H.M.; POPE, D.J.; THEODORIDOU, A. Field studies of velocity, salinity and suspended solids concentration in a shallow tidal channel near tidal flap gates. Estuarine, Coastal and Shelf Science, 78(2), 385-395, 2008. [Pagham Harbour]


(1695) ROBERTS, B.K.; CONNELL, S.D. Detecting benthic responses to human-induced change: effectiveness of alternate taxonomic classification and indices. Marine Ecology Progress Series, 358, 75-84, 2008. [Nutrient enrichment; over-harvesting]


Section 2: Petroleum Hydrocarbons

(1707) ABRAHAMSON, A.; BRANDT, I.; BRUNSTROM, B.; SUNDT, R.C.; JORGENSEN, E.H. Monitoring contaminants from oil production at sea by measuring gill EROD activity in Atlantic cod (Gadus morhua). Environmental Pollution, 153(1), 169-175, 2008. [North Se crude oil; PAHs; benzo(a)pyrene; produced water; alkylphenols]


(1739) NEMIROVSKAYA, I.A. Petroleum hydrocarbons in ocean. [In Russian]. Priroda, (3), 17-27, 2008. [PAHs; oil spills]

(1740) NEMIROVSKAYA, I.A.; BREHOVSKIKH, B.F. Genesis of hydrocarbons in the suspended matter and bottom sediments of the Northern Shelf of the Caspian Sea. [In Russian with English summary]. Okeanologiya, 48(1), 48-58, 2008. [PAHs; aliphatic hydrocarbons]


(1745) ROMEO, M. Integrated Biomarker Responses (IBR). Index as a useful tool for environmental assessment evaluated using transplanted mussels in the NW Mediterranean. MAP Technical Report Series, (166), 23-40, 2007. [Cd; Cu; Zn; PAH; PCB; AChE; GST; TBAR; CAT; metallothionein]


(1748) STEPANYAN, O.V. Influence of crude oil on basic functional parameters of macroalgae from the Barents Sea. [In Russian with English summary]. Biologiya Morya, 34(2), 144-147, 2008.


(1750) SZAVA-KOVATS, R.C. Grain-size normalization as a tool to assess contamination in marine sediments: is the 63 um fraction fine enough? Marine Pollution Bulletin, 56(4), 629-632, 2008. [PAH; Zn]


(1755) ZORITA, I.; CAJARAVILLE, M.P. Results of the BEEP monitoring programme along the NW Mediterranean Sea using biomarkers in sentinel mussels and red mullets. MAP Technical Report Series, (166), 49-61, 2007. [Acyl-CoA oxidase; gonad index; metallothioneins; lysosomal membrane stability]
Section 3: Metals

(1756) AGUSA, T.; TAKAGI, K.; KUBOTA, R.; ANAN, Y.; IWATA, H.; TANABE, S. Specific accumulation of arsenic compounds in green turtles (Chelonia mydas) and hawksbill turtles (Eretmochelys imbricata) from Ishgaki Island, Japan. Environmental Pollution, 153(1), 127-136, 2008. [Monomethylarsonic acid; dimethyl arsinic acid; tetramethylarsine oxide; tetramethylarsonium ion; arslenobetaine; arslenocholine]


(1758) BAINES, S.B.; FISHER, N.S. Modeling the effect of temperature on bioaccumulation of metals by a marine bioindicator organism, Mytilus edulis. Environmental Science and Technology, 42(9), 3277-3282, 2008. [Ag; Am; Cd; Co; Se; Zn]


(1760) BEIRAS, R.; BELLAS, J. Inhibition of embryo development of the Mytilus galloprovincialis marine mussel by organic pollutants; assessment of risk for its extensive culture in the Galician Rias. Aquaculture, 277(3/4), 208-212, 2008. [Chlorpyrifos; lindane; SDS; TBT]


(1763) BUREAU DU COLOMBIER, S.; BAREILLE, G.; BOLLIE, V.; LAMBERT, P.; BARDONNET, A. Micro-pollutant content in Anguilla anguilla glass eels and relationship with migratory behaviour. Vie et Milieu, 57(4), 223-227, 2007. [Ba; Cd; Co; Cu; Mn; Ni; Pb; St; V; Zn]


(1766) COZZI, S.; REISENHOFER, E.; DI MONTE, L.; CANTONI, C.; ADAMI, G. Effect of environmental forcing on the fate of nutrients, dissolved organic matter and heavy metals released by a coastal wastewater pipeline. Chemistry and Ecology, 24(2), 87-107, 2008. [Cd; Cu; Pb; Zn; nutrients loads; nitrogen; urea; sewage]

(1767) CULLAJ, A.; LAZO, P.; DUKA, S. Heavy metals and metallothionein levels in mussel samples from the Albanian seacoast. MAP Technical Report Series, (166), 141-151, 2007. [Cd; Cr; Cu; Fe; Hg; Ni; Pb; Zn; Mn]

(1768) DU LAING, G.; DE VOS, R.; VANDECASTEELE, B.; LESAGE, E.; TACK, F.M.G.; VERLOO, M.G. Effect of salinity on heavy metal mobility and availability in intertidal sediments of the Scheldt estuary. Estuarine, Coastal and Shelf Science, 77(4), 589-602, 2008. [Cd; Cu; Ni; Pb]
100 years of sediment history of heavy metals in Daya Bay, China. Water, Air, and Soil Pollution, 190(1-4), 343-351, 2008. [Arsenic; Cd; Co; Cr; Cu; Fe; Mn; Pb; Zn]

Multiple experimental approaches of immunotoxic effects of mercury chloride in the blue mussel, Mytilus edulis, through in vivo, in tubo and in vitro exposures. Environmental Pollution, 153(2), 416-423, 2008. [Hg]

Heavy metals in sinking particles and bottom sediments from the eastern Turkish coast of the Black Sea. Estuarine, Coastal and Shelf Science, 78(2), 396-402, 2008. [Arsenic; Cd; Co; Cr; Cu; Fe; Mn; Ni; Pb; Sb; Zn]

Chemical speciation of 12 metals in surface sediments from the northern South China Sea under natural grain size. Marine Pollution Bulletin, 56(4), 786-792, 2008. [Ba; Cd; Co; Cu; Mn; Mo; Ni; Pb; Sc; Sr; U; Zn]

Zinc sulfate and atrazine toxicity to the marine harpacticoid copepod Robertsonia propinqua. New Zealand Journal of Marine and Freshwater Research, 42(1), 93-98, 2008. [Zn]

A possible approach for setting a mercury risk-based action level based on tribal fish ingestion rates. Environmental Research, 107(1), 60-68, 2008. [Hg]

Cu and Zn concentration gradients created by dilution of pH neutral metal-spiked marine sediment: a comparison of sediment geochemistry with direct methods of metal addition. Environmental Science and Technology, 42(8), 2912-2918, 2008.


(1782) KAKUSCHKE, A.; VALENTINE-THON, E.; GRIESEL, S.; ROSENBERGER, T.; MUNDRY, R.; SIEBERT, U.; PRANGE, A. Blood metal levels and metal-influenced immune functions of harbour seals in captivity. Marine Pollution Bulletin, 56(4), 764-769, 2008. [Al; arsenic; Be; Ca; Cd; Co; Cr; Cu; Fe; K; Mn; Mo; Ni; Pb; Pd; Pt; Rb; Se; Sn; Sr; Zn]


(1784) KARADJOVA, I.B.; SLAVEYKOVA, V.I.; TSALEV, D.L. The biouptake and toxicity of arsenic species on the green microalga Chlorella salina in seawater. Aquatic Toxicology, 87(4), 264-271, 2008. [As(III); As(V); monomethylarsonate; dimethylarsinate]


(1787) MAANAN, M. Heavy metal concentrations in marine molluscs from the Moroccan coastal region. Environmental Pollution, 153(1), 176-183, 2008. [Cd; Cr; Cu; Hg; Mn; Ni; Pb; Zn]


(1790) MERRITT, K.A.; AMIRBAHMAN, A. Methylmercury cycling in estuarine sediment pore waters (Penobscot River estuary, Maine, USA. Limnology and Oceanography, 53(3), 1064-1075, 2008. [Hg]

(1791) MURATA, S.; TAKAHASHI, S.; AGUSA, T.; THOMAS, N.J.; KANNAN, K.; TANABE, S. Contamination status and accumulation profiles of organotins in sea otters (Enhydra lutris) found dead along the coasts of California, Washington, Alaska (USA), and Kamchatka (Russia). Marine Pollution Bulletin, 56(4), 641-649, 2008. [Total butyltin; TBT; monobutyltin; dibutyltin; diphenyltin; triphenyltin; monoocytltin; diocytltin; trioctyltin]


(1796) REBOREDA, R.; CACADOR, I.; PEDRO, S.; ALMEIDA, P.R. Mobility of metals in salt marsh sediments colonised by Spartina maritima (Tagus estuary, Portugal). Hydrobiologia, 606, 129-137, 2008. [Cd; Co; Cu; Pb; Zn]

(1797) ROMEO, M. Integrated Biomarker Responses (IBR). Index as a useful tool for environmental assessment evaluated using transplanted mussels in the NW Mediterranean. MAP Technical Report Series, (166), 23-40, 2007. [Cd; Cu; Zn; PAH; PCB; AChE; GST; TBAR; CAT; metallothioein]


(1800) SUN, F.-H.; ZHOU, Q.-X. Oxidative stress biomarkers of the polychaete Nereis diversicolor exposed to cadmium and petroleum hydrocarbons. Ecotoxicology and Environmental Safety, 70(1), 106-114, 2008. [Cd]

(1801) SZAVA-KOVATS, R.C. Grain-size normalization as a tool to assess contamination in marine sediments: is the 63 um fraction fine enough? Marine Pollution Bulletin, 56(4), 629-632, 2008. [PAH; Zn]

(1802) TSUKUDA, M.; YAMAGUCHI, H.; TAKAHASHI, T.; TSUTSUMI, H. Impact of high concentrations of manganese on the survival of short neck clam Ruditapes philippinarum juveniles in sandy tidal flat sediment in Ariake Bay, Kyushu, Japan. Plankton and Benthos Research, 3(1), 1-9, 2008. [Mn]

(1803) VALENTI, D.; TRANCHINA, L.; BRAI, M.; CARUSO, A.; COSENTINO, C.; SPAGNOLO, B. Environmental metal pollution considered as noise: effects on the spatial distribution of benthic foraminifera in two coastal marine areas of Sicily (Southern Italy). Ecological Modelling, 213(3/4), 449-462, 2008. [Cr; Cu; Hg; Pb; Zn]

(1805) VIGNATI, D.A.L.; BURDINO, E.; CONGIU, A.M.; CICALA, F.; PARDOS, M.; NIEDDU, G.F.; UGAZIO, G. Quality evaluation of sediments from 24 tributaries of the Po River, Italy. Water, Air, and Soil Pollution, 190(1-4), 129-141, 2008. [Cd; Cu; Hg; Pb; Zn; sediment toxicity]

(1806) YAMADA, H. Behaviour, occurrence, and aquatic toxicity of new antifouling biocides and preliminary assessment of risk to aquatic ecosystems. Bulletin of Fisheries Research Agency, (21), 31-45, 2007. [Review; chlorothalonil; dichlofluanid; diuron; Sea Nine 211; TCMTB; zinc pyrithione; zineb; PK; copper pyrithione; Irgarol 1051; TBT; M1]


(1808) ZORITA, I.; CAJARAVILLE, M.P. Results of the BEEP monitoring programme along the NW Mediterranean Sea using biomarkers in sentinel mussels and red mullets. MAP Technical Report Series, (166), 49-61, 2007. [Acyl-CoA oxidase; gonad index; metallothioneins; lysosomal membrane stability]
Section 4: Radioactivity


Section 5: Other chemicals

(1815) AGUSA, T.; TAKAGI, K.; KUBOTA, R.; ANAN, Y.; IWATA, H.; TANABE, S. Specific accumulation of arsenic compounds in green turtles (Chelonia mydas) and hawksbill turtles (Eretmochelys imbricata) from Ishgaki island, Japan. Environmental Pollution, 153(1), 127-136, 2008. [Monomethylarsonic acid; dimethyl arsinic acid; tetramethylarsine oxide; tetramethylarsonium ion; arsenobetaine; arsеноcholine]

(1816) BEIRAS, R.; BELLAS, J. Inhibition of embryo development of the Mytilus galloprovincialis marine mussel by organic pollutants; assessment of risk for its extensive culture in the Galician Rias. Aquaculture, 277(3/4), 208-212, 2008. [Chlorpyrifos; lindane; SDS; TBT]


(1818) BENTZEN, T.W.; FOLLMANN, E.H.; AMSTRUP, S.C.; YORK, G.S.; WOOLLER, M.J.; MUIR, D.C.G.; O’HARA, T.M. Dietary biomagnification of organochlorine contaminants in Alaskan polar bears. Canadian Journal of Zoology, 86(3), 177-191, 2008. [PCBs; PCB153; PCB180; PCB194; chlordane; oxychlordane; DDTs; HCHs]


COZZI, S.; REISENHOFER, E.; DI MONTE, L.; CANTONI, C.; ADAMI, G. Effect of environmental forcing on the fate of nutrients, dissolved organic matter and heavy metals released by a coastal wastewater pipeline. Chemistry and Ecology, 24(2), 87-107, 2008. [Cd; Cu; Pb; Zn; nutrients loads; nitrogen; urea; sewage]


(1855) LAW, R.J.; BERSUDER, P.; MEAD, L.K.; JEPSON, P.D. PFOS and PFOA in the livers of harbour porpoises (Phocoena phocoena) stranded or bycaught around the UK. Marine Pollution Bulletin, 56(4), 792-797, 2008.


(1858) LEONEL, J.; KANNAN, K.; TAO, L.; FILLMANN, G.; MONTONE, R.C. A baseline study of perfluorochemicals in Franciscana dolphin and Subantarctic fur seal from coastal waters of Southern Brazil. Marine Pollution Bulletin, 56(4), 778-781, 2008. [PFCs; PFOS; PFOA; PFHS; PFDS; PFOSA; PFHpA; PFNA; PFUnDA; PFDA; PFDoDA]

(1859) LESTON, S.; LILLEBO, A.I.; PARDAL, M.A. The response of primary producer assemblages to mitigation measures to reduce eutrophication in a temperate estuary. Estuarine, Coastal and Shelf Science, 77(4), 688-696, 2008. [Nutrients]

(1860) LLORET, J.; MARIN, A.; MARIN-GUIRAO, L. Is coastal lagoon eutrophication likely to be aggravated by global climate change? Estuarine, Coastal and Shelf Science, 78(2), 403-412, 2008. [Nutrient uptake]


(1862) MICHELI, F.; BISHOP, M.J.; PETERSON, C.H.; RIVERA, J. Alteration of seagrass species composition and function over two decades. Ecological Monographs, 78(2), 225-244, 2008. [Eutrophication; habitat quality; climate change; nutrients]


(1865) MURATA, S.; TAKAHASHI, S.; AGUSA, T.; THOMAS, N.J.; KANNAN, K.; TANABE, S. Contamination status and accumulation profiles of organotins in sea otters (Enhydra lutris) found dead along the coasts of California, Washington, Alaska (USA), and Kamchatka (Russia). Marine Pollution Bulletin, 56(4), 641-649, 2008. [Total butyltin; TBT; monobutyltin; dibutyltin; diphenyltin; triphenyltin; monooctyltin; dioctyltin; trioctyltin]


(1868) NEMIROVSKAYA, I.A.; BREHOVSKIKH, B.F. Genesis of hydrocarbons in the suspended matter and bottom sediments of the Northern Shelf of the Caspian Sea. [In Russian with English summary]. Okeanologiya, 48(1), 48-58, 2008. [PAHs; aliphatic hydrocarbons]

(1869) OLIVEIRA RIBEIRO, C.A.; VOLLAIRE, Y.; COULET, E.; ROCHE, H. Bioaccumulation of polychlorinated biphenyls in the eel (Anguilla anguilla) at the Camargue Nature Reserve - France. Environmental Pollution, 153(2), 424-431, 2008. [PCBs]


(1872) PIERCE, G.J., (ET AL). Bioaccumulation of persistent organic pollutants in female common dolphins (Delphinus delphis) and harbour porpoises (Phocoena phocoena) from western European seas: geographical trends, causal factors and effects on reproduction and mortality. Environmental Pollution, 153(2), 401-415, 2008. [PCBs; PBDEs; HBCDs]


(1875) ROMEO, M. Integrated Biomarker Responses (IBR). Index as a useful tool for environmental assessment evaluated using transplanted mussels in the NW Mediterranean. MAP Technical Report Series, (166), 23-40, 2007. [Cd; Cu; Zn; PAH; PCB; AChE; GST; TBAR; CAT; metallothioein]


(1886) YAMADA, H. Behaviour, occurrence, and aquatic toxicity of new antifouling biocides and preliminary assessment of risk to aquatic ecosytems. Bulletin of Fisheries Research Agency, (21), 31-45, 2007. [Review; chlorothalonil; dichlofluanid; diuron; Sea Nine 211; TCMTB; zinc pyrithione; zineb; PK; copper pyrithione; Irgarol 1051; TBT; M1]


(1890) ZORITA, I.; CAJARAVILLE, M.P. Results of the BEEP monitoring programme along the NW Mediterranean Sea using biomarkers in sentinel mussels and red mullets. MAP Technical Report Series, (166), 49-61, 2007. [Acyl-CoA oxidase; gonad index; metallothioneins; lysosomal membrane stability]
Section 6: Biological Wastes


(1894) COLLADO, L.; INZA, I.; GUARRO, J.; FIGUERAS, M.J. Presence of Arcobacter spp. in environmental waters correlates with high levels of fecal pollution. Environmental Microbiology, 10(6), 1635-1640, 2008.

(1895) COZZI, S.; REISENHOFER, E.; DI MONTE, L.; CANTONI, C.; ADAMI, G. Effect of environmental forcing on the fate of nutrients, dissolved organic matter and heavy metals released by a coastal wastewater pipeline. Chemistry and Ecology, 24(2), 87-107, 2008. [Cd; Cu; Pb; Zn; nutrients loads; nitrogen; urea; sewage]

(1896) DORE, B. Opportunities for risk virus management in shellfisheries. Marine Environment and Health Series, (33), 14-18, 2008. [Sewage contamination]

(1897) GAMITO, S. Three main stressors acting on the Ria Formosa lagoonal system (Southern Portugal): physical stress, organic matter pollution and the land-ocean gradient. Estuarine, Coastal and Shelf Science, 77(4), 710-720, 2008. [Sewage; nutrients; eutrophication]

(1898) HENSON, M. The Sea-Fisheries Protection Authority and the microbiological monitoring of shellfish production areas in Ireland. Marine Environment and Health Series, (33), 4-7, 2008.


Section 7: Heat

(1907) BAINES, S.B.; FISHER, N.S. Modeling the effect of temperature on bioaccumulation of metals by a marine bioindicator organism, Mytilus edulis. Environmental Science and Technology, 42(9), 3277-3282, 2008. [Ag; Am; Cd; Co; Se; Zn]


Section 8: Solids


Section 9: Physical Disturbance


(1922) GREENWOOD, M.F.D. Fish mortality by impingement on the cooling-water intake screens of Britain’s largest direct-cooled power station. Marine Pollution Bulletin, 56(4), 723-739, 2008.  [Forth estuary]


Section 10: Non-indigenous Species


(1947) GOMEZ, F. Phytoplankton invasions: comments on the validity of categorizing the non-indigenous dinoflagellates and diatoms in European Seas. Marine Pollution Bulletin, 56(4), 620-628, 2008. [North Sea; North Atlantic; Arctic; Baltic; Mediterranean; Black Sea]

(1948) HITCHCOCK, G. Climbing perch (Anabas testudineus) (Perciformes: Anabantidae) on Saibai Island, northwest Torres Strait: first Australian record of this exotic pest fish. Memoirs of the Queensland Museum, 52(2), 207-211, 2008. [Tolerant of very turbid and brackish water conditions]


