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**Bioavailability, accumulation and effects of heavy metals in sediments with special reference to United Kingdom estuaries: a review**

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1119	Limited Arsenic Dispersion in Sea Water, Sediments, and Biota Near a Continuous Source. <b>1975</b> , 32, 1275-1281		43
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1117	Relationships between the Partitioning of Trace Metals in Sediments and Their Accumulation in the Tissues of the Freshwater Mollusc <i>Elliptio complanata</i> in a Mining Area. <b>1984</b> , 41, 1463-1472		224
1116	Aquatic insects and trace metals: bioavailability, bioaccumulation, and toxicity. <b>1992</b> , 22, 327-69		277
1115	The distribution of heavy metals (Cu, Zn, Cd, Pb) in the fine fraction of surface sediments of the North Sea. <b>1992</b> , 29, 323-331		39
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632	Trace metal bioaccumulation by soft-bottom polychaetes (Annelida) of Sundarban Mangrove Wetland, India and their potential use as contamination indicator. <b>2010</b> , 85, 492-6		21
631	Johor strait as a hotspot for trace elements contamination in peninsular Malaysia. <b>2010</b> , 84, 568-73		28
630	Geochemical studies on the contamination and dispersion of trace metals in intertidal sediments around a military air weapons shooting range. <b>2010</b> , 10, 1142-1158		10
629	Distribution of Trace Elements in Sediments and Biota of Songkhla Lake, Southern Thailand. <b>2010</b> , 206, 155-174		51
628	Monitoring waste metal pollution at Ganga estuary via the East Calcutta Wetland areas. <b>2010</b> , 170, 23-31		10
627	Accumulation of total trace metals due to rapid urbanization in microtidal zone of Pallikaranai marsh, South of Chennai, India. <b>2010</b> , 170, 609-29		24
626	Bioaccumulation of cadmium bound to humic acid by the bivalve <i>Meretrix meretrix</i> linnaeus from solute and particulate pathways. <b>2010</b> , 22, 198-203		6
625	Contaminants in fine sediments and their consequences for biota of the Severn Estuary. <i>Marine Pollution Bulletin</i> , <b>2010</b> , 61, 68-82	6.7	36
624	Sedimentation and chronology of heavy metal pollution in Oslo harbor, Norway. <i>Marine Pollution Bulletin</i> , <b>2010</b> , 60, 1512-22	6.7	46
623	Exposure of birds to radionuclides and other contaminants in Special Protection Areas (SPAs) in North-West England. <b>2010</b> , 408, 2567-75		3
622	Bioaccumulation and depuration of metals in blue crabs ( <i>Callinectes sapidus</i> Rathbun) from a contaminated and clean estuary. <i>Environmental Pollution</i> , <b>2010</b> , 158, 361-8	9.3	38
621	Metal toxicity in a sediment-dwelling polychaete: threshold body concentrations or overwhelming accumulation rates?. <i>Environmental Pollution</i> , <b>2010</b> , 158, 3071-6	9.3	58
620	Bioconcentration of perfluorinated compounds in blackrock fish, <i>Sebastes schlegeli</i> , at different salinity levels. <b>2010</b> , 29, 2529-35		32
619	Bioavailability of a natural lead-contaminated invertebrate diet to zebrafish. <b>2010</b> , 29, 708-14		14
618	Ecological, groundwater, and human health risk assessment in a mining region of Nicaragua. <b>2010</b> , 30, 916-33		15
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616	The study of heavy metals (zinc, lead, cadmium, and chromium) in sediments sampled from Gorgan coast (Iran), spring 2008. <b>2010</b> , 92, 67-69	7
615	The possibility on estimation of concentration of heavy metals in coastal waters from remote sensing data. <b>2010</b> ,	4
614	Evaluation on Potential Ecological Risk of Heavy Metal Pollution in Sediment of Urban Sewage River. <b>2010</b> ,	3
613	The status of heavy metal levels in a Ramsar site, Kuala Gula bird sanctuary: the impact of the anthropogenic inputs. <b>2010</b> , 92, 1953-1963	3
612	Speciation of Fe, Mn and Zn in surficial sediments from the Egyptian Red Sea coasts. <b>2010</b> , 22, 257-269	19
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610	Biodynamic modelling of the accumulation of Ag, Cd and Zn by the deposit-feeding polychaete <i>Nereis diversicolor</i> : inter-population variability and a generalised predictive model. <b>2010</b> , 69, 363-73	18
609	Heavy metals in <i>Macoma balthica</i> and extractable metals in sediments from the southern Baltic Sea. <b>2010</b> , 73, 152-63	29
608	Measurements of genotoxic potential of cadmium in different tissues of fresh water climbing perch <i>Anabas testudineus</i> (Bloch), using the comet assay. <b>2010</b> , 30, 80-4	12
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605	Dissolved silver in European estuarine and coastal waters. <b>2010</b> , 44, 4204-16	60
604	Bioaccumulation of arsenic from water and sediment by a deposit-feeding polychaete ( <i>Arenicola marina</i> ): a biodynamic modelling approach. <b>2010</b> , 98, 34-43	61
603	Trophic transfer of aluminium through an aquatic grazer-omnivore food chain. <b>2010</b> , 99, 93-9	14
602	Molluscs. <b>2010</b> , 143-397	3
601	Birds. <b>2010</b> , 253-361	3
600	Heavy metals (Zn, Pb, Cd and Cr) in fish, water and sediments sampled form Southern Caspian Sea, Iran. <b>2010</b> , 26, 649-56	47
599	Geochemical and statistical approach for evaluation of heavy metal pollution in core sediments in southeast coast of India. <b>2010</b> , 7, 291-306	122

598	The study of heavy metals (lead, cadmium, and chromium) in three species of most consumed fish sampled from Gorgan coast (Iran), 2008. <b>2010</b> , 92, 71-73		7
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585	Rapid macrofaunal colonization of water-based drill cuttings on different sediments. <i>Marine Pollution Bulletin</i> , <b>2011</b> , 62, 2145-56	6.7	15
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583	Fate of metals in coastal sediments of a Mediterranean flood-dominated system: An approach based on total and labile fractions. <b>2011</b> , 92, 486-495		46
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548	Accumulation and toxicity of copper oxide nanoparticles in the digestive gland of <i>Mytilus galloprovincialis</i> . <b>2012</b> , 118-119, 72-79	143
547	Dietary toxicity of field-contaminated invertebrates to marine fish: effects of metal doses and subcellular metal distribution. <b>2012</b> , 120-121, 1-10	20
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531	Geochemical evidence of terrigenous influence in sediments of Buckingham canal, Ennore, Southeast coast of India. <b>2012</b> , 66, 489-503		9
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525	Expanding the ecotoxicological toolbox: the inclusion of polychaete reproductive endpoints. <b>2012</b> , 75, 10-22		42
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520	Trace metals in an urbanized estuarine sea turtle food web in San Diego Bay, CA. <b>2012</b> , 417-418, 108-16		24
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518	The relationships between fish heavy metal concentrations and fish size in the upper and middle reach of Yangtze River. <b>2012</b> , 13, 1699-1707		54
517	Heavy metal content in sediments along the Calore river: relationships with physical-chemical characteristics. <b>2012</b> , 95 Suppl, S9-14		90
516	Bioaccumulation and effects of metals bound to sediments collected from Gulf of Cádiz (SW Spain) using the polychaete <i>Arenicola marina</i> . <b>2012</b> , 62, 22-8		2
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513	Bioaccumulation surveillance in Milford Haven Waterway. <b>2012</b> , 184, 289-311		27
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511	Metal contamination increases the sensitivity of larvae but not gametes to ocean acidification in the polychaete <i>Pomatoceros lamarckii</i> (Quatrefages). <b>2013</b> , 160, 2089-2101		45
510	Characterization of heavy-metal contamination in surface sediments of the Minho river estuary by way of factor analysis. <b>2013</b> , 64, 617-31		22
509	The accumulation of metal (Co, Cr, Cu, Mn and Zn) in freshwater <i>Ulva</i> (Chlorophyta) and its habitat. <b>2013</b> , 22, 558-73		19

508	Plant-Based Remediation Processes. <b>2013</b> ,		6
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500	Spatial variability of metal bioaccumulation in estuarine killifish ( <i>Fundulus heteroclitus</i> ) at the Callahan mine superfund site, Brooksville, ME. <b>2013</b> , 65, 765-78		3
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494	Potential impacts of discharges from seawater reverse osmosis on Taiwan marine environment. <b>2013</b> , 322, 84-93		10
493	Effect of Drying Process on Heavy Metals Fractionation of Contaminated Sludge for Land Application. <b>2013</b> , 22, 457-468		8
492	Contamination levels and spatial distributions of heavy metals and PAHs in surface sediment of Imam Khomeini Port, Persian Gulf, Iran. <i>Marine Pollution Bulletin</i> , <b>2013</b> , 71, 336-45	6.7	78
491	Ecotoxicological impact assessment of some heavy metals and their distribution in some fractions of mangrove sediments from Red Sea, Egypt. <b>2013</b> , 185, 393-404		31

490	Gold Nanomaterials Based Absorption and Fluorescence Detection of Mercury, Lead, and Copper. <b>2013</b> , 39-62		1
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488	Distribution of heavy metals in the sediments of agricultural fields adjacent to urban areas in Central Taiwan. <b>2013</b> , 11, 343-351		13
487	Separation and flame atomic absorption spectrometric determination of total chromium and chromium (III) in phosphate rock used for production of fertilizer. <b>2013</b> , 116, 482-7		24
486	Validating the use of embryonic fish otoliths as recorders of sublethal exposure to copper in estuarine sediments. <i>Environmental Pollution</i> , <b>2013</b> , 178, 441-6	9.3	12
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484	Selenium in sediments and biota from estuaries of southwest England. <i>Marine Pollution Bulletin</i> , <b>2013</b> , 73, 192-8	6.7	11
483	Ocean acidification increases the toxicity of contaminated sediments. <b>2013</b> , 19, 340-51		92
482	Use of Wetland Plants in Bioaccumulation of Heavy Metals. <b>2013</b> , 117-139		6
481	Effect of nanoparticle stabilization and physicochemical properties on exposure outcome: acute toxicity of silver nanoparticle preparations in zebrafish ( <i>Danio rerio</i> ). <b>2013</b> , 47, 3883-92		50
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479	Bacterial response to dynamic metal concentrations in the surface sediments of a solar saltern (Goa, India). <b>2013</b> , 185, 3625-36		16
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477	Anthropogenic impacts on reduced inorganic sulfur and heavy metals in coastal surface sediments, north Yellow Sea. <b>2013</b> , 68, 1367-1374		16
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475	Rapid assessments of metal bioavailability in marine sediments using coelomic fluid of sipunculan worms. <b>2013</b> , 47, 7499-505		28
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473	Land use changes and metal mobility: multi-approach study on tidal marsh restoration in a contaminated estuary. <b>2013</b> , 449, 174-83		11

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469	Adsorption-Desorption of Lead and Tin in Soils. <b>2013</b> , 178, 425-435	6
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467	Acid Volatile Sulfide (AVS) and Simultaneously Extracted Metals (SEM) in Surface Sediments of Chaohu Lake, Anhui Province, China. <b>2013</b> , 779-780, 1213-1219	
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334	Plants Used for Biomonitoring and Phytoremediation of Trace Elements in Soil and Water. <b>2016</b> , 361-384		16
333	Metal speciation and pollution assessment of Cd and Pb in intertidal sediments of Donghai Island, China. <b>2016</b> , 6, 37-48		10
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313	Spatial distribution and seasonal variations of heavy metal contamination in surface waters of Liaohe River, Northeast China. <b>2017</b> , 27, 52-62		14
312	Micro-spatial variation of elemental distribution in estuarine sediment and their accumulation in mangroves of Indian Sundarban. <b>2017</b> , 189, 221		23
311	Assessment of human health risk from heavy metals levels in water and tissues of two trout species ( <i>Oncorhynchus mykiss</i> and <i>Salmo coruhensis</i> ) from the Fırtına and Gözeysu Rivers in Turkey. <b>2017</b> , 36, 306-312		16

310	Removal or storage of environmental pollutants and alternative fuel sources with inorganic adsorbents via host-guest encapsulation. <b>2017</b> , 5, 10746-10771			33
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306	Decline of trace metal pollution in the bottom sediments of the Barcelona City continental shelf (NW Mediterranean). <b>2017</b> , 579, 755-767			20
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304	Comparison of three sequential extraction procedures for arsenic fractionation in highly polluted sites. <b>2017</b> , 178, 402-410			55
303	The use of meiofauna in freshwater sediment assessments: Structural and functional responses of meiobenthic communities to metal and organics contamination. <b>2017</b> , 78, 512-525			8
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