

## SUBJECT INDEX - VOLUME 69

Air	
asbestos during plaster removal	712
contaminant binding to porphyrin complexes	41
pollution in Haryana, India	690
SO <sub>2</sub> derivative micronuclei formation, mouse	257
Aluminum	201
	147
glutathione transferase in mussel	147
Argemone Oil	704
effect on rat brain	734
Arsenic	
in groundwater, Bangladesh	538
leaching in soil	808
toxicity to aquatic organisms	421
Asbestos	
glovebag containment system	843
in air during plaster removal	712
Azadirachtin	–
fate in a small forest lake	250
Azinphosmethyl	200
	271
ATPase & malondialdehyde in liver	211
Benzene	
response-surface analysis, yeast toxicity	278
Benzofuran	2,0
reduction in chloranil	459
	439
Bioassay	E00
amphibian larvae more sensitive than fish	562
aquatic macrophytes for pollution	82
binding energies of porphyrin complexes	41
chemical ratios & groundwater contamination	793
differentiating metal & ammonia toxicity	576
EC <sub>50</sub> of 17 pesticides to <i>Myriophyllum</i>	601
effect of relevant oil levels, mink	593
extraction methods for pyrethroids	123
field application of biomarker for copper oxychloride	117
for pesticide toxicity with <i>Drosophila</i>	35
metabolic enzymes for pentachlorophenate	570
	393
sand crab for metal pollution	393
Biomarker	4.4
contaminant binding to porphyrin complexes	41
Bioremediation	
Cd removal by cyanobacteria	632
coffeeweed Pb extraction of soil	624
degradation of aromatic & asphaltenic fractions	835
effluent with maize cob carbon	195
isoxaben in soil	779
micoorganisms & PAHs	66
oxfluorfen degradation	203
photo-fenton reagent for wastewater	430

phytoremediation of Cd, Cr, Cu, Ni, Zn	74
Cadmium	
accumulation in vole fetus	829
effect on teleost digestive enzymes	302
genetics & response of barley	219
	586
fenitrothion interaction in a spider & a fly	649
in aquatic plants, India	
induced apoptosis in glial cells	335
phytoremediation	74
removal by cyanobacteria	632
seasonal variation in plant leaves	320
toxicity of +2 to teleost	294
Cartap	000
urea & fish growth	908
Cerium	707
growth of wheat	727
Cesium	047
134CS transfer to fruiting bodies	817
Chloranil	450
dioxins & benzofuran reduction	459
Chlorothalonil	
persistence in soil	181
Chlorpyrifos	
persistence in soil	181
Chromium	
leaching in soil	808
phytoremediation	74
+ 3 & + 6 toxicity to cyanobacteria	286
toxicity of +6 to teleost	294
Cigarette	
smoking, secondary smoke & birth weight	855
Copper	
copper sulfate & copper-treated net toxicity to haddock	378
effect on lipid peroxidation & glutathione	885
leaching in soil	808
phytoremediation	74
tolerance of Chlamydomonas	546
toxicity of +2 to teleost	294
toxicity to sand crab	393
Copper Oxychloride	
exposure biomarker	117
toxicity to tadpole	415
Copper Sulfate	
toxicity to juvenile haddock	378
Cyfluthrin	010
residues on cotton	54
Cypermethrin	34
distribution in rabbit	749
effect on fish hematology	364
enection named attorogy	304

Diazinon agricultural watercourses, B.C., Canada	59
persistence in tomatoes Dicofol	479
testes toxicity, rat	741
Dioxin reduction in chloranil	459
Edosulfan effect on newt pheromone detection & glands	609
Effluent	009
alkaline pretreatment of sludge Estrogen	869
anti activity of tire extract	863
Exposure air pollution in Haryana, India	690
amines in cooked foods	682
asbestos glovebag containment system	843
chemical ratios & groundwater contamination	793
chemical transfer from carpet corn processing & fumonisin content	436 471
Cu, Fe, Zn in pekmez, Turkey	330
dental impression material cytotoxicity	350
Hg exposure in Rio Branco City, Brazil	314
lead isotopes in white paint PAH in suspended particulates, Brazil	617 173
pesticides in farmers' homes, NY, USA	155
pesticides in greenhouses	342
pesticides in infant formula, India	667
pesticides in peaches, Greece	674 855
secondary smoke & birth weight textiles for hand & body protection	164
Fenamiphos	
persistence in soil Fenitrothion	181
Cd interaction in a spider & a fly Flumetsulam	586
persistence & mobility in soil	785
Fumonisin	474
processing effect in corn	471
Heavy Metal Al + glutathione transferase in mussel	147
algicidal structure activity of organotin compounds	756
As, Cr, Cu leaching in soil	808
As in groundwater, Bangladesh	538
Cd accumulation to vole fetus Cd & genetic response of barley	829 219
Cd, Cr, Cu toxicity to teleost	219
Cd, Cu, Pb in <i>Artemisia</i> spp, Canada	644

Cd, Cu, Pb, Zn in aquatic plants, India	649
Cd effect on teleost digestive enzymes	302
Cd induced apoptosis in glial cells	335
Cd removal by cyanobacteria	632
Cd seasonal variation in plant leaves	320
coffeeweed Pb extraction of soil	624
Cr +3 & +6 toxicity to cyanobacteria	286
Cu effect on lipid peroxidation & glutathione	885
	330
Cu, Fe, Zn in pekmez, Turkey	
Cu oxychloride toxicity to tadpole	415
Cu tolerance of Chlamydomonas	546
differentiating metal & ammonia toxicity	576
effect on beetle population	243
Hg in bullfrogs, Nevada, USA	210
Hg & sevin, <i>Galeus melastomus</i> liver	516
Hg in shipyard worker blood & hair	8
Hg in soil & cassava, Ghana	228
in bone & liver of human neonates	1
in Cuvier's beaked whale	662
in fish, pristine rainforest, Peru	523
in human hair, Mersin, Turkey	15
in molluscs, Poland	509
in rice & pulse, Samta Village, Bangladesh	323
in soil & cassava, Ghana	638
•	530
in seafood process water	
in spinner dolphins, California	408
Pb & ATPase in <i>Pimephales</i> gill	384
Pb in bird liver, Canada	309
Pb isotopic characterization	501
Pb plus humic acid & duckweed growth	655
tolerance of alderfly & pH	370
Herbicide	
adsorption of paraquat onto bleaching earth	189
flumetsulam persistence in soil	785
toxicity to Myriophyllum aquaticum	601
water solubility & Chlamydomonas response	554
HMX	
toxicity to soil microbes	97
Human	<b>.</b>
age & serum organochlorines	22
amines in cooked foods	682
asbestos in air during plaster removal	712
	436
chemical transfer from carpet	
dental impression material cytotoxicity	350
Hg exposure Rio Branco City, Brazil	314
heavy metals in hair, Mersin, Turkey	15
heavy metals in neonatal bone & liver	1
PCB risk reduction for children	847
pesticide exposure in greenhouses	342
pesticides in drinking water, Jaipur, India	49
pesticides in farmers' homes, NY, USA	155

pesticides in infant formula, India secondary smoke & birth weight, Turkey textiles for hand & body protection	667 855 164
Humic Acid	101
Pb & duckweed growth	655
Irgarol 1051	606
fate & toxicity in a microcosm	696
Isoxaben biodegradation in soil	779
Lanthanum	
growth of wheat	727
Lead ATPaga in <i>Bimanhalaa</i> gill	384
ATPase in <i>Pimephales</i> gill	30 <del>4</del> 8
blood & hair, shipyard workers Sabah, Malaysia coffeeweed extraction of contaminated soil	624
in <i>Artemisia</i> spp, Canada	644
in aquatic plants, India	649
in bird liver, Canada	309
isotopes in white paint	617
isotopic characterization	501
plus humic acid & duckweed growth	655
Malathion	
persistence in tomatoes	479
Mercuric Chloride	000
selenium dioxide & bacterial growth	900
Mercury	24.4
human exposure Rio Branco City, Brazil	314 210
in bullfrogs, Nevada, USA in surface soil & cassava, Ghana	228
speciation & liver content, Galeus Melastomus	516
Methamidophos	310
movement & persistence in agroeco system	444
persistence in tomatoes	479
Model	
134CS & 85SR transfer model	817
Monocrotophos	
inhibition of fish plasma cholinesterase	356
Nickel	<b>-</b> .
phytoremediation	74
Octahydro, tetranitrotetrazocine	
toxicity to soil microbes	97
Oil	
bunker A & bunker C toxicity to copepod	104
degradation of aromatic & asphaltenic fractions	835
effects of relevant levels of weathered oil in mink	593

human age & serum content human fat, Minsk, Republic of Belarus PCB effect on ecdysteroid gene experession pesticides in Connecticut, USA birds pesticides in peaches, Greece pesticides in water & sediment, Inner Annatolia, Turkey rat testes toxicity of dicofol tuna, Mediterranean Sea  Oxyfluorfen degradation by Azotobacter chroococcum	22 30 763 452 674 236 741 800
PAH	
degradation by microorganisms	66
in molluscs, Mexican Pacific in Northern Persian Gulf	486 704
in suspended particulates, Niteroi, Brazil	173
Parathion	.,,
degradation of methyl parathion in apples	771
PCB	700
effect on ecdysteroid gene expression risk reduction for children	763 847
tuna, Mediterranean Sea	800
Paraquat	
adsorption onto bleaching earth	189
Pendimethalin	404
persistence in soil Pentachlorophenate	181
metabolic enzymes as biochemical markers	570
Progesterone	
anti activity of tire extracts	863
Pyrene	40.4
in fish	494
Sediment	
mining spill impact, Spain	129
Selenium	400
aquatic ecosystems, Chile Selenium Dioxide	139
mercuric chloride & bacterial growth	900
Sludge	
alkaline pretreatment	869
Strontium  85CD transfer to fruiting hading	047
<sup>85</sup> SR transfer to fruiting bodies Structure-Activity	817
biodegradability of substituted benzenes	111
response-surface analysis, benzene derivatives	278
Sulfur Dioxide	<b>.</b>
bone marrow micronuclei formation, mouse Surfactant	257
toxicity to macrobes, India	265

Tin	
algicidal structure-activity of organatin	756
Trichlorophenol	
degradation by River sediment	463
Urea	
cartap & fish growth	908
Wastewater	
microcosm effects of wastewater	401
Water	
As toxicity to aquatic organisms	421
bunker A & bunker C toxicity to copepod	104
chemical ratios & groundwater contamination	793
diazinon in agricultural watercourses	59
differentiating metal & ammonia toxicity	576
extraction methods for pyrethroids	123
fish super oxide dismutase & lipid peroxidation, Nigeria	892
heavy metals in Cuvier's beaked whale	662
heavy metals in molluscs, Poland	509
heavy metals in pristine rainforest fish, Peru	523
heavy metals in seafood process water	530
heavy metals in spinner dolphins, California	408
herbicide water solubility & Chlamydomonas response	554
hydroxypyrene in fish	494
Irgarol 1051 fate in microcosm	696
macrophytes as biomonitors for pollution microcosm effects of metal plating wastewater	82 401
mining spill impact, Spain	129
mussel shell deformites, Malaysia	877
organochlorine pesticides, Turkey	236
PAHs in molluscs, Mexican Pacific	486 486
PAHs in northern Persian Gulf	704
PCB & organochlorine compounds in tuna	800
pH & metal tolerance of alderfly	370
pesticide residues, Jaipur, India	49
Se in aquatic ecosystems, Chile	139
Surfactant toxicity to macrobes	265
toxicity of pulp industry discharge, Turkey	719
trichlorephenol degradation by river sediment	463
wastewater remediation with photo-fenton reagent	430
Zinc	
in soil & cassava, Ghana	638
phytoremediation	74