GEF: Regionally Based Assessment of Persistent Toxic Substances

Bibliography for a Selected Number of Persistent Toxic Substances

UNEP Chemicals
September 2000

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Table of Contents

<table>
<thead>
<tr>
<th>Page</th>
<th>Introduction</th>
<th>3</th>
</tr>
</thead>
<tbody>
<tr>
<td>2</td>
<td>Aldrin/dieldrin</td>
<td>5</td>
</tr>
<tr>
<td>3</td>
<td>Chlordane</td>
<td>17</td>
</tr>
<tr>
<td>4</td>
<td>DDT</td>
<td>27</td>
</tr>
<tr>
<td>5</td>
<td>Endrin</td>
<td>39</td>
</tr>
<tr>
<td>6</td>
<td>Hexachlorobenzene</td>
<td>41</td>
</tr>
<tr>
<td>7</td>
<td>Mirex</td>
<td>51</td>
</tr>
<tr>
<td>8</td>
<td>Toxaphene</td>
<td>57</td>
</tr>
<tr>
<td>9</td>
<td>Heptachlor</td>
<td>69</td>
</tr>
<tr>
<td>10</td>
<td>Polychlorinated biphenyls</td>
<td>75</td>
</tr>
<tr>
<td>11</td>
<td>PCDDs and PCDFs</td>
<td>87</td>
</tr>
<tr>
<td>12</td>
<td>Organotins</td>
<td>107</td>
</tr>
<tr>
<td>13</td>
<td>Organic Mercury</td>
<td>123</td>
</tr>
<tr>
<td>14</td>
<td>Polycyclic Organic Hydrocarbons</td>
<td>139</td>
</tr>
<tr>
<td>15</td>
<td>Polybrominated Hydrocarbons</td>
<td>159</td>
</tr>
<tr>
<td>16</td>
<td>Hexachlorocyclohexanes</td>
<td>169</td>
</tr>
<tr>
<td>17</td>
<td>Lindane</td>
<td>183</td>
</tr>
</tbody>
</table>

September, 2000
1 INTRODUCTION

This bibliography is intended to support the activities within the GEF Regionally Based Assessment of Persistent Toxic Substances. A literature search in bibliographic databases has been made for Aldrin/Dieldrin, Chlordane, DDT, Endrin, Hexachlorobenzene, Mirex, Toxaphene, Heptachlor, Polychlorinated Biphenyls, PCDDs/PCDFs, Organotins, Organomercury, Polycyclic Aromatic Hydrocarbons, Polybrominated Hydrocarbons, Hexachlorocyclohexanes and Lindane.

A first screening was made in the bibliographic databases Biosis, Enviroline, Pollution Abstracts, Aquatic Sciences and Fisheries Abstracts, CAB Abstracts, Environmental Bibliography, Pollution Abstracts and Toxline with subfile Riskline. Because of the great amount of references some limitations had to be made. The most relevant information was found in Biosis, Enviroline and Riskline. The three databases complement each other and not too many duplicates were found. While Toxline contains much information on animal experiments, most of the ecotoxicological information was also found in Biosis, and Toxline was therefore excluded.

Another way to limit the amount of hits was to search for the chemical name in the title. In addition, in Biosis the concept codes "Public Health – Environmental Health", "Toxicology – Environmental and Industrial Toxicology" and "Pollution assessment control and Management" was used. Also in Biosis Document Type "Literature Review" and "Book" were searched for. Depending on the number of hits the search was limited over time with a preference for the most recent information.

References for the individual substances begin with book references and review articles, followed by other articles. The references are not sorted in chronological order.

Many studies in the literature concern several of the individual substances. Therefore the same reference will be found in different chapters.

Collecting lists of bibliographic references over DialogWeb means that .htm-files has to be converted into Word textfiles. The references, especially the source-fields, appear differently depending on the origin of the database, and on the layout from different organisations and journals.

The references have been electronically extracted from the data bases. While efforts have been made to check the accuracy, UNEP disclaims any responsibility for possible inaccuracies or omissions.

It should be noted that the literature in this field is growing rapidly. This bibliography should therefore only be seen as a starting point for further studies on specific issues related to persistent toxic substances.
2 ALDRIN/DIELDRIN

Author: Stevenson Donald E(a); Walborg Earl F Jr; North D Warner; Sielken Robert L Jr; Ross C E; Wright Alan S; Xu Yong; Kamendulis Lisa M; Klaunig James E
Author Address: (a)Dermigen, Inc., Smithville, TX, USA
Journal: Toxicology Letters (Shannon) 109 ( 3 ); p 123-186 Oct. 5, 1999
Document Type: Literature Review

Evaluation of the genetic toxicity of the insecticide dieldrin.
Author: Diaz-Barriga S(a); Madrigal E; Martinez L; Salazar I(a)
Author Address: (a)Cytogenetic Lab, FES-CUAUTITLAN, UNAM, C. Izcalli, Edo. de Mex, 54740, Mexico
Journal: Environmental and Molecular Mutagenesis. 35 ( Suppl. 31 ); p 20 2000
Conference/Meeting: Thirty-First Annual Meeting of the Environmental Mutagen Society. New Orleans, Louisiana, USA April 08-13, 2000
Sponsor: Environmental Mutagen Society

Fish tissue residue-based toxicity reference values for chlordane, DDT, dieldrin, endrin, hexachlorobenzene, mercury, and PCBS for piscivorous wildlife.
Author: Henry Tala R(a); Bradbury Steven P(a)
Author Address: (a)Mid-Continent Ecology Division, U. S. Environmental Protection Agency, 6201 Congdon Blvd., Duluth, USA
Journal: Abstracts of Papers American Chemical Society 218 ( 1-2 ); p AGRO 122 1999
Conference/Meeting: 218th National Meeting of the American Chemical Society, Parts 1 and 2 New Orleans, Louisiana, USA August 22-26, 1999
Sponsor: American Chemical Society

Atmospheric concentrations of atrazine, trans-nonachlor, and dieldrin at Sleeping Bear Dunes, Michigan.
Book Title: 40th Conference of the International Association for Great Lakes Research
Author: Hillery B R; Basu I; Hites R A
Book Author/Editor: Anonymous
Author Address: Sch. Public Environ. Aff., Dep. Chem., Indiana Univ., Bloomington, IN 47405, USA
p 59 1997
Book Publisher: University of Buffalo, Great Lakes Center, Buffalo State College, 1300 Elmweed Avenue, Buffalo, New York 14222, USA
Conference/Meeting: 40th Conference of the International Association for Great Lakes Research Buffalo, New York, USA June 1-5, 1997
Sponsor: International Association for Great Lakes Research
The photodegradative mechanism of aldrin in natural waters.
Book Title: 41st Conference of the International Association for Great Lakes Research
Author: Frayer M J; Burns S E
Book Author/Editor: INTERNATIONAL ASSOCIATION FOR GREAT LAKES RESEARCH
Author Address: Chem. Dep., Western Michigan Univ., Kalamazoo, MI 49008, USA
p 142 1998
Book Publisher: International Association for Great Lakes Research, Ann Arbor, Michigan, USA
Conference/Meeting: Meeting Hamilton, Ontario, Canada May 18-22, 1998
Sponsor: International Association for Great Lakes Research

Detection of dieldrin by enzyme-linked immunosorbent assay in some dairy products.
Book Title: ACS Symposium Series: Immunoassays for residue analysis: Food safety
Author: Morsy Mohamed A; Ibrahim Azza A; Hewedi Mahmoud M
Book Author/Editor: Beier R C; Stanker L H: Eds
Author Address: Dep. Dairy Technol., Fac. Agric. at Fayoum, Cairo Univ., Cairo, Egypt
Book Publisher: American Chemical Society, Marketing Division, Room 205, 1155 16th St. N.W., Washington, DC 20036, USA
Conference/Meeting: Symposium at the 209th National Meeting of the American Chemical Society Anaheim, California, USA April 2-7, 1995

Dieldrin and other cyclodiene pesticides in wildlife.
Book Title: Environmental contaminants in wildlife: Interpreting tissue concentrations
Author: Peakall David B
Book Author/Editor: Beyer W N; Heinz G H; Redmon-Norwood A W: Eds
p 73-97 1996
Book Publisher: CRC Press, Inc., Boca Raton, Florida, USA
CRC Press, London, England, UK
Document Type: Book

Toxicological profile for Aldrin/Dieldrin
Anonymous
Source: Agency for Toxic Substances and Disease Registry U.S. Public Health Service; ATSDR/TP-92/01; 1993; 180 p

Health effects assessment for Dieldrin
EPA working group
Source: Environmental Protection Agency; EPA/600/8-88/030; 1987; 52 p

Health effects assessment for Aldrin
EPA working group
Source: Environmental Protection Agency; EPA/600/8-88/015; 1987; 39 p
Dieldrin (group 3)
Anonymous
Source: IARC Monographs on the evaluation of the carcinogenic risk of chemicals to humans; Suppl. 7; 1987; 196-7

Dieldrin
Anonymous
Source: ACGIH. Documentation of the threshold limit values and biological exposure indices; 6th ed; 1991; 455-7

Aldrin
Anonymous
Source: ACGIH. Documentation of the threshold limit values and biological exposure indices; 6th ed; 1991; 33-4

Dieldrin
Anonymous
Source: Canadian water quality guidelines; 1987

Aldrin/dieldrin
Anonymous
Source: Canadian Water Quality Guidelines; 1991

Aldrin/dieldrin
Anonymous
Source: Agency for Toxic Substances and Disease Registry U.S. Public Health Service.; ATSDR/TP-88/01; 1989; 104 p
Language: ENGLISH

Aldrin and dieldrin
WHO working group
Source: Environmental Health Criteria(91); 1989; 335 p

Dieldrin
Anonymous
Source: Toxikologisch-arbeitsmedizinische Begrundung von MAK-Werten (Maximale Arbeitsplatzkonzentrationen); 1970; 4 p
Language: GERMAN

Ambient water quality criteria for aldrin/dieldrin
Epa Working Group
Source: Environmental protection agency; EPA 440/5-80-019; 1980

Aldrin
Anonymous
Source: IARC monographs on the Evaluation of the Carcinogenic risk of chemicals to humans; 5; 1974; 25-38
Dieldrin
Anonymous
Source: IARC monographs on the Evaluation of the Carcinogenic risk of chemicals to humans; 5; 1974; 125-56

Levels of organochlorines (DDT, PCBs, toxaphene, chlordane, dieldrin, and HCHs) in blubber of South African fur seals (Arctocephalus pusillus pusillus) from Cape Cross/Namibia.
Author: Vetter Walter(a); Weichbrodt Marion; Scholz Elke; Luckas Bernd; Oelschlaeger Herbert
Author Address: (a)Friedrich-Schiller-Universitaet Jena, Institut fuer Ernahrungswissenschaften, Dornburger Str. 25, D-07743, Jena, Germany

In vitro effect of dieldrin on Leydig cell morphology and steroidogenic function.
Author: Ronco A M(a); Marcus D; Villena F; Suwalsky M
Author Address: (a)Unidad Biol. Reproduccion, INTA, Univ. Chile, Jose Pedro Alessandro 5540 Santiago, Chile

Bioconcentration and bioaccumulation of DDTS and dieldrin near a pesticide superfund site in San Francisco Bay.
Author: Young D R(a); Ozretich R J(a); Echols S F; Frazier J D
Author Address: (a)U.S. EPA, Western Ecol. Div., Newport, OR 97365, USA
Conference/Meeting: 217th National Meeting of the American Chemical Society Anaheim, California, USA March 21-25, 1999
Sponsor: American Chemical Society

Effects of dieldrin on life stages of the African catfish, Clarias gariepinsus (Burchell).
Author: Lamai S L(a); Warner G F; Walker C H
Author Address: (a)Sch. Animal Microbial Sciences, Univ. Reading, Whiteknights, P.O. Box 228, Reading RG6 6AJ, UK

The effects of pesticides chlordane, dieldrin and endosulfan on the growth of human breast cancer cell lines MCF-7 and SK-BR-3.
Author: Hsu Ji-H-Tay; Ying Chingwen(a); Lan Hsin-Chieh
Author Address: (a)Dep. Microbiol., Soochow Univ. Taipei, Taipei, Taiwan

Prenatal exposure to organochlorine pesticide dieldrin: Effects on postnatal expression of GABAA receptors and behavior in the rat.
Author: Johns J M(a); Liu J; Bhasin N; Grayson D R; Devaud L L(a); Moy S; Lubin D; Lauder J M
Author Address: (a)Dep. Psychiatry, Univ. N.C., Chapel Hill, NC, USA
Conference/Meeting: 28th Annual Meeting of the Society for Neuroscience, Part 1 Los Angeles, California, USA November 7-12, 1998
Sponsor: Society for Neuroscience

September, 2000
Dieldrin and picrotoxinin modulation of GABAA receptor single channels.
**Author:** Ikeda Tomoko; Nagata Keiichi; Shono Toshio; Narahashi Toshio(a)
**Author Address:** (a)Dep. Molecular Pharmacol. Biological Chem., Northwestern Univ. Med. Sch., Chicago, IL 60611-3008, USA

Experimental design approach for the optimization of supercritical fluid extraction of pyralene and aldrin in soil matrix.
**Author:** Zaragoza R; Barna L(a); Blanchard J M
**Author Address:** (a)INSA Lyon, Lab. Anal. Environ. Procedes Syst. Ind., 20 av. A. Einstein, F-69621 Villeurbanne Ced, France

Effects of aldrin on membrane fluidity and its implications for the mechanisms of toxicity.
**Author:** Demetrio Raquel S; Antunes-Madeira Mario Do Carmo; Madeira Vitor M C(a)
**Author Address:** (a)Centro Neurociencies, Dep. Zool., 3000 Coimbra, Portugal
**Journal:** Medical Science Research 26 (8): p 556-561 Aug., 1998

Testosterone and inhibin B secretion by human fetal testicular explants are suppressed by in vitro exposure to the environmental toxicant dieldrin.
**Author:** Brown E(a); Abramovich D R(a); Wallace H M; Johnston P W; Riley S C; Groome N P; Fowler P A(a)
**Author Address:** (a)Dep. Obstet. and Gynaecol., Univ. Aberdeen AB25 2ZD, UK
**Conference/Meeting:** Annual Conference of the Society for the Study of Fertility Glasgow, Scotland July 1998
**Sponsor:** Society for the Study of Fertility

Residues of the organochlorine compounds lindane, heptachlor, aldrin, pp'DDE, pp'DDD y pp'DDT were determined in leaves of two species of mangrove (Rhizophora mangle and Avicennia germinans) from the Cienaga Grande de Santa Marta.
**Author:** Espinosa Luisa F(a); Campos Nestor H; Ramirez Gustavo(a)
**Author Address:** (a)INVEMAR, Apartado 1016, Santa Marta, Colombia

Toxicity of dieldrin to rainbow trout, and its uptake by various tissues.
**Author:** Kawar N S; Atallah Z; Dagher S M
**Author Address:** Fac. Agric. Food Sci., American Univ. Beirut, Beirut, Lebanon
**Journal:** Abstracts of Papers American Chemical Society 216 (1-3): p AGRO 88 1998
**Conference/Meeting:** 216th National Meeting of the American Chemical Society Boston, Massachusetts, USA August 23-27, 1998
**Sponsor:** American Chemical Society
Relationship between deer mouse population parameters and dieldrin contamination in the Rocky Mountain Arsenal National Wildlife Refuge.
Author: Allen Daniel L; Otis David L(a)
Author Address: (a)U.S. Geological Survey, Biological Resources Div., South Carolina Cooperative Fish Wildlife Res., USA

Sequestration of DDT dieldrin in soil: Disappearance of acute toxicity but not the compounds.
Author: Robertson Boakai K; Alexander Martin(a)
Author Address: (a)Inst. Comparative Environ. Toxicology, Dep. Soil, Crop Atomspheric Sci., Cornell Univ., Ithaca, , USA

Effect of aldrin on fatty acid composition of triglycerides in wasp, Polistes hebracus.
Author: Zaheer Khalid(a)
Author Address: (a)Dep. Biol. Sci., Quaid-i-Azam Univ., Islamabad, Pakistan

Dieldrin in fish and shellfish from the Mersey Estuary and Liverpool Bay.
Author: Leah R T; Johnson M S; Connor L; Levene C

Dieldrin uptake from a contaminated Haplustox by glasshouse-grown plants.
Author: Bhattacharya Rina; Douglas Lyle A
Author Address: Dep. Agric. Resource Manage., Univ. Melbourne, Parkville, VIC 3052, Australia

Midgut pathology of aldrin, monocrotophos, and carbaryl in the freshwater crab, Paratelphusa masoniana (Henderson).
Author: Kaushik N; Kumar S(a)
Author Address: (a)Dep. Zool., D.S.B. Campus, Kumaon Univ., Nainital, UP 263 002, India

Dieldrin in sheep.
Author: Croker K P(a)
Author Address: (a)Animal Research and Development Serv., Agric. Western Australia, Locked Bag 4, Bentley Delivery , Australia
ISSN: 0005-0423
Document Type: Letter
Interactions between endosulfan and dieldrin on estrogen-mediated processes in vitro and in vivo.
Author: Wade Michael G; Desaulniers Daniel; Leingartner Karen; Foster Warren G(a)
Author Address: (a)Reproductive Toxicol. Sect., Environmental Health Cent., Postal Locator No. 0803D, Tunney's Past, Canada

Stress proteins HSP60 and HSP70 in three species of amphipods exposed to cadmium, diazinon, dieldrin and fluoranthene.
Author: Werner Ingeborg(a); Nagel Ronald
Author Address: (a)Aquatic Toxicology Lab., VM-APC, Univ. Calif., Davis, CA 95616, USA

Mortality of workers exposed to dieldrin and aldrin: A retrospective cohort study.
Author: De Jong Geert(a); Swaen Gerard M H; Slangen Joseph J M
Author Address: (a)International BV, PO Box 16, 2501 AN Den Haag, Netherlands

Absorption by sheep of dieldrin from contaminated soil.
Author: Paton M W(a); Petterson D S
Author Address: (a)Avon Districts Agriculture Centre Western Australia, Box 483, Northam, WA 6401, Australia

Effect of sedimentary organic matter composition on the partitioning and bioavailability of Dieldrin to the oligochaete Lumbriculus variegatus.
Author: Standley L J
Author Address: Stroud Water Res. Cent., Acad. Nat. Sci., Avondale, PA 19311, USA

Developmental regulation of GABA-A receptor expression by the neurotoxin dieldrin.
Author: Lauder J M(a); Liu J(a); Brannen K C; Devaud L; Grayson D R; Morrow A L
Author Address: (a)Dep. Cell Biol. Anatomy, Univ. North Carolina, Chapel Hill, NC, USA
Conference/Meeting: Joint Meeting of the Teratology Society Thirty-seventh Annual Meeting and Tenth International Conference of the Organization of Teratology Information Services Palm Beach, Florida, USA June 21-26, 1997

Quantification by ELISA of aldrin/dieldrin in River Nile water and tap water samples collected in Egypt.
Author: Ragab A A(a); Ibrahim A M A; Smith C J
Author Address: (a)Dep. Biochemistry, Faculty Agriculture, Cairo Univ., Cairo, Egypt

PCB congeners, DDE, dieldrin and mercury in eggs from an expanding colony of cormorants (Phalacrocorax carbo).
Author: Mason C F(a); Ekins G; Ratford J R
Author Address: (a)Dep. Biol. Chem. Sci., Univ. Essex, Colchester CO4 3SQ Essex, UK
Changes in dieldrin and p,p'-DDE residues following cooking of channel catfish.
Author: Khanna Nitin; Santerre Charles R(a); Xu Dehai; Huang Yao-Wen
Author Address: (a)Silliker Lab. Ohio Inc., 1224 Kinnear Rd., Suite 114, Columbia, OH 43212, USA

Indirect competitive ELISA for the quantitative and qualitative analysis of aldrin/dieldrin in Egyptian milk samples from different farm animal species.
Author: Ragab A A(a); Abdel-Latif M S(a); Ibrahim A M A; Smith C J
Author Address: (a)Dep. Biochem., Fac. Agric., Cairo Univ., Giza, Egypt

Absorption of dietary dieldrin by striped bass.
Author: Santerre C R(a); Blazer V S; Khanna N; Reinert R E; Barrows F T
Author Address: (a)Silliker Lab. Ohio Inc., 1224 Kinnear Rd., Columbus, OH 43212, USA

Author: Bhikane A U; Ali Mir Salabat; Salunke V M; Usturge S M

Effect of aldrin on carbohydrate, protein, and ionic metabolism of a freshwater catfish, Heteropneustes fossilis.
Author: Singh N N(a); Das V K; Singh S

Susceptibility of DDT, Dieldrin, and the development of malathion resistance in Anopheles culicifacies (Diptera: Culicidae) in Ambala district of Haryana, India.
Author: Sharma R S; Sharma S N; Sharma R S
Author Address: Natl. Malaria Eradication Programme, 22, Sham Nath Marg, Delhi-110054, India

Dieldrin pretreatment alters (14C)dieldrin and (3H)7,12-dimethylbenz(a)anthracene uptake in rainbow trout liver slices.
Author: Gilroy Duncan J; Miranda Cristobal L; Siddens Lisbeth K; Zhang Quan; Buhler Donald R; Curtis Lawrence R(a)
Author Address: (a)Dep. Environmental Health, P.O. Box 70682, East Tennessee State Univ., Johnson City, TN 37614-06, USA
Accumulation and elimination of aldrin in the oyster Crassostrea rhizophorae in Cienaga Grande de Santa Marta (Caribbean of Colombia).

**Author:** Gomez M Luz Carine(a); Campos C Nestor Hernando; Ramirez Gustavo(a)

**Author Address:** (a)Inst. Inv. Mar., INVEMAR, A.A. 1016, Santa Marta, Colombia

**Journal:** Revista de Biologia Tropical 43 (1-3): p 161-172 1995

**Language:** Spanish; Non-English

---

Comparative effects of carbosulfan and aldrin on the protection of eucalyptus seedlings against soil termites.

**Author:** Resende Valdir F(a); Zanuncio Jose C; Guedes Raul N C; Noguerira Paula De B

**Author Address:** (a)Dep. Biologia Animal, Univ. Federal Vicosa, 36571-000 Vicosa, MG, Brazil


**Language:** Portuguese; Non-English

---

Sublethal physiological effects on catfish, Heteropneustes fossilis (Bloch) during longterm exposure to aldrin and subsequent recovery.

**Author:** Singh Narendra N(a); Srivastava Anil K

**Author Address:** (a)Dep. Zool., Kamla Nehru Inst. Phys. Social Sci., Sultanpur-228 118, India

**Journal:** Proceedings of the National Academy of Sciences India Section B (Biological Sciences) 65 (1): p 33-38 1995

---

Cattle poisoning by a mixture of endosulfan, dieldrin, DDT and DDE.

**Author:** Smith R A; Tramontin R R


**Journal:** Veterinary and Human Toxicology 37 (5): p 470-471 1995

---

Actions of the insecticide fipronil, on dieldrin-sensitive and-resistant GABA receptors of Drosophila melanogaster.

**Author:** Hosie Alastair M; Baylis Howard A; Buckingham Steven D; Sattelle David B(a)

**Author Address:** (a)Babraham Inst. Lab. Mol. Signalling, Dep. Zool., Downing St., Cambridge CB2 3EJ, UK


---

Accumulation and dissipation of dieldrin in mature wethers in the south-west of Western Australia.

**Author:** Albertsen T O(a); Casey R H(a); Croker K P

**Author Address:** (a)Western Australian Dep. Agric., Bunbury, WA 6230, Australia

**Journal:** Australian Journal of Experimental Agriculture 35 (3): p 331-338 1995

---

The effect of dieldrin on Clostridium perfringens phosphatidylcholine phospholipase C activity.

**Author:** Fonovich De Schroeder Teresa M; Pechen De D'Angelo Ana M

**Author Address:** LIBIQUIMA, Fac. Ingenieria, Univ. Nac. del Comahue, Buenos Aires 1400, 8300 Neuquen, Argentina

**Journal:** Pesticide Biochemistry and Physiology 51 (3): p 170-177 1995
Development of an indirect competitive ELISA for aldrin/dieldrin in human milk samples collected in Egypt.
Author: Ibrahim Azza M A; Ragab A A; Hewedi M M; Smith C J (a)
Author Address: (a) Cortecs Diagnostics Ltd., Techbase 1, Newtech Square, Deeside Industrial Park, Clwyd CH5 2NT, UK

The effects of dieldrin on the sperm ultrastructure of the earthworm Eudrilus eugeniae (Oligochaeta).
Author: Reinecke Sophie A; Reinecke Adriaan J (a); Froneman Moya L
Author Address: (a) Dep. Zool., Univ. Stellenbosch, Stellenbosch 7600, South Africa

Dieldrin and dopamine neuron toxicity.
Author: Sanchez-Ramos Juan; Song S; Facca A; Basit A
Author Address: Miami, FL, USA

Hyperglycemia due to aldrin toxicity in goat.
Author: Jain Archana; Dixit N K; Dhanotiya R S

Check studies with Hyalella azteca and Chironomus tentans in support of the development of a sediment quality criterion for dieldrin.
Author: Hoke Robert A (a); Kosian Patricia A; Ankley Gerald T; Cotter Anne M; Vandermeiden Frances M; Phipps Gary L; Durhan Elizabeth J
Author Address: (a) Sci. Applications International Corp., 411 Hackensack Ave., Hackensack, NJ 07601, USA

Uptake of organochlorines (Chlorobiphenyls, Dieldrin: Total PCB and DDT) in Bottlenose dolphins (Tursiops truncatus) from Cardigan Bay, West Wales.
Author: Law R J; Allchin C R; Morris R J
Author Address: Ministry Agric., Fisheries Food, Fisheries Lab., Remembrance Ave., Burnham-on Crouch, Essex CM0 8HA, UK

Enzyme-Linked Immunosorbent Assay (ELISA) for the Determination of Dieldrin and Atrazine Residues in Environmental Samples
Maqbool, Uzma, Nuclear Institute for Agriculture and Biology, Faisalabad, Pakistan; Qureshi, M. Jamil; Haq, Anwarul; Iqbal, M. Zafar
Australian Centre for Int Agric Res/et al Seeking Agric Produce Free of Pesticide Residues Int Workshop, Yogyakarta, Indonesia p241(13)
Feb 17-19, 98
Effects of Dieldrin on life Stages of the African Catfish, Clarias gariepinus (Burchell)
Lamai, S. L., University of Reading, United Kingdom; Warner, G. F.; Walker, C. H.
Ecotoxicol Environ Saf v42, n1, p22(8)
Jan 99

Relationship Between Deer Mouse Population Parameters and Dieldrin Contamination in the Rocky Mountain Arsenal National Wildlife Refuge
Allen, Daniel L.; Otis, David L., USGS, Clemson, SC
Can J Zoolog v76, n2, p243(8)
Feb 98

Modulation of 7,12-Dimethylbenz(a)anthracene Disposition and Hepatocarcinogensis by Dieldrin and Chlordecone in Rainbow Trout
Donohoe, Regina M., Oregon State University, Corvallis; Zhang, Quan; Siddens, Lisbeth K.; Hendricks, Jerry D.; Curtis, Lawrence R.
J Toxicol Environ Health v54, n3, p227(16)
Jun 12, 98

Sequestration of DDT and Dieldrin in Soil: Disappearance of Acute Toxicity but not the Compounds
Robertson, Boakai K., Cornell University, Ithaca, NY; Alexander, Martin
Environ Toxicol Chem v17, n6, p1034(5)
Jun 98

Dieldrin in Fish and Shellfish from the Mersey Estuary and Liverpool Bay
Leah, R. T., University of Liverpool, UK; Johnson, M. S.; Connor, L.; Levene, C.
Bull Environ Contam Toxicol v60, n5, p802(7)
May 98

Midgut Pathology of Aldrin, Monocrotophos, and Carbaryl in the Freshwater Crab, Paratelphusa masoniana (Henderson)
Kaushik, N.; Kumar, S., Kumaon University, Nainital, India
Bull Environ Contam Toxicol v60, n3, p480(7)
Mar 98

Stress Proteins HSP60 and HSP70 in Three Species of Amphipods Exposed to Cadmium, Diazinon, Dieldrin and Fluoranthene
Werner, Ingeborg, (University of California, Davis); Nagel, Roland, (Technische Universitat Dresden, Germany)
Environ Toxicol Chem v16, n11, p2393(11)
Nov 97

Dieldrin and Chlordane Residue in Agriculture Fields
Nagami, H., Nara Prefectural Institute of Science and Technology, Kashiwagi, Japan
Bull Environ Contam Toxicol v59, n3, p383(6)
Sep 97
PCB Congeners, DDE, Dieldrin and Mercury in Eggs from an Expanding Colony of Cormorants (Phalacrocorax carbo)
Mason, C. F., University of Essex, Colchester, UK; Ekins, G.; Ratford, J. R.
Chemosphere v34, n8, p1845(5)
Apr 97

Absorption of Dietary Dieldrin by Striped Bass
Santerre, C R., Silliker Laboratories of Ohio Inc, Columbus; Blazer, V. S.; Khanna, N.; Reinert, R. E.; Barrows, F. T.
Bull Environ Contam Toxicol v58, n2, p334(7)
Feb 97

Effect of Aldrin on Carbohydrate, Protein, and Ionic Metabolism of a Freshwater Catfish, Heteropneustes fossilis
Singh, N. N.; Kamla Nehru Institute of Physical and Social Sciences, Sultanpur, India; Das, V. K.; Singh, S.
Bull Environ Contam Toxicol v57, n2, p204(7)
Aug 96

Evaluation of Host Resistance and Non-Specific Cell Mediated Immune Responses in Mice Exposed to Sublethal Subchronic Doses of Aldrin
Bhatia, A.; Kaur, Jasdeep, Punjabi University, Patiala Punjab, India
Int J Environ Stud v47, n3-4, p225(6)
1995

Check Studies with Hyalella azteca and Chironomus tentans in Support of the Development of a Sediment Quality Criterion for Dieldrin
Hoke, Robert A., Science Applications International Corp, Hackensack, NJ; Kosian, Patricia A.; Ankley, Gerald T.; Cotter, Anne M.; Vandermeiden, Frances M.; Phipps, Gary L.; Durhan, Elizabeth J.
Environ Toxicol Chem v14, n3, p435(9)
Mar 95

Uptake of Organochlorines (Chlorobiphenyls, Dieldrin; Total PCB & DDT) in Bottlenose Dolphin (Tursiops truncatus) from Cardigan Bay, West Wales
Law, R. J., Ministry of Agriculture Fisheries and Food, Essex, UK; Allchin, C. R.; Morris, R. J.
Chemosphere v30, n3, p547(14)
Feb 95
3 CHLORDANE

Toxicological profile for Chlordane
Anonymous
Source: Agency for Toxic Substances and Disease Registry U.S. Public Health Service; ATSDR TP-93/03; 1994; 230 p

Health effects assessment for chlordane
EPA working group
Source: Environmental protection agency; EPA/600/8-89/089; 1988; 43 p

Chlordane/heptachlor (Group 3)
Anonymous
Source: IARC Monographs on the evaluation of the carcinogenic risk of chemicals to humans; Suppl. 7; 1987; 146-8

Chlordane
Anonymous
Source: ACGIH. Documentation of the threshold limit values and biological exposure indices; 6th ed; 1991; 244-6

Chlordane and heptachlor
IARC working group
Source: IARC Monographs on the evaluation of the carcinogenic risk of chemicals to humans; 53; 1991; 115-75

Chlordan
Anonymous
Source: Toxikologisch-arbeitsmedizinische Begrundung von MAK-Werten (Maximale Arbeitsplatz-Konzentrationen); 1970; 5 p
Language: GERMAN

Ambient water quality criteria for chlordane
Epa working group
Source: Environmental protection agency; EPA-440/5-80-027; 1980; 69 p

Chlordane
WHO Working Group
Source: Environmental Health Criteria; 34; 1984; 82 p

Chlordane
Anonymous
Source: IARC monographs on the Evaluation of the Carcinogenic risk of chemicals to humans; 20; 1979; 45-65
Impact of long-term weathering, mobility, and land use on chlordane residues in soil.
Author: Incorvia Mattina Mary Jane(a); Iannucci-Berger William; Dykas Laure; Pardus Jennifer
Author Address: (a)Department of Analytical Chemistry, Connecticut Agricultural Experiment Station, 123 Huntington Street, New Haven, CT, 06511, USA

Two organochlorine pesticides, toxaphene and chlordane, are antagonists for estrogen-related receptor alpha-1 orphan receptor.
Author: Yang Chun; Chen Shuian(a)
Author Address: (a)Division of Immunology, Beckman Research Institute of the City of Hope, Duarte, CA, 91010, USA

Chlordane poisoning of birds in New Jersey, USA.
Author: Stansley William(a); Roscoe Douglas E
Author Address: (a)Office of Fish and Wildlife Health and Forensics, New Jersey Division of Fish, Game and Wildlife, Lebanon, NJ, 08833, USA

Chiral patterns of soil-aged pesticides (technical chlordane, BHC, and DDT).
Author: Rice Clifford P(a); Klingebiel Ute(a); Poster Dianne
Author Address: (a)Environmental Chemistry Laboratory, Beltsville Agricultural Research Center, U.S. Department of , USA
Conference/Meeting: 218th National Meeting of the American Chemical Society, Parts 1 and 2 New Orleans, Louisiana, USA August 22-26, 1999
Sponsor: American Chemical Society

Enantiomeric ratios as source tracers of chlordane in ambient air.
Author: Falconer Renee L(a); Leone Andrea D(a); Bodnar Colleen E(a); Ulrich Elin; Hites Ronald A; Wiberg Karin; Biddleman Terry F; Jantunen Liisa M; Harner Tom J
Author Address: (a)Youngstown State University, Youngstown, OH, 44555, USA
Conference/Meeting: 218th National Meeting of the American Chemical Society, Parts 1 and 2 New Orleans, Louisiana, USA August 22-26, 1999
Sponsor: American Chemical Society

Why chlordane and the cyclodiene pesticides must be banned worldwide?
Author: Sherman Janette D(a)
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Journal: Environmental Epidemiology and Toxicology 1 (2): p 132-147 April-June, 1999
Enantiomeric ratios as source tracers of chlordane in ambient air.
Author: Falconer Renee L(a); Leone Andrea D; Bodnar Colleen E; Ulrich Elin; Hites Ronald A; Wiberg Karin; Bidleman Terry F; Jantunen Liisa M; Harner Tom J
Author Address: (a)Youngstown State Univ., Youngstown, OH 44555, USA
Conference/Meeting: 217th National Meeting of the American Chemical Society Anaheim, California, USA March 21-25, 1999
Sponsor: American Chemical Society

Neurotoxic effects of chlordane/heptachlor termiticide sprayed in an apartment complex.
Author: Hirsch A R(a)
Author Address: (a)Rush-Presbyterian-St. Luke's Med. Cent., Chicago, IL, USA
Conference/Meeting: Meeting on Pesticides and Susceptible Populations: Who is at Risk and When held at the Sixteenth International Neurotoxicology Conference Little Rock, Arkansas, USA September 13-16, 1998

Effect of the chlorinated hydrocarbons heptachlor, chlordane and toxophene on retinoblastoma tumor suppressor in human lymphocytes.
Author: Rouht Steffney E; Yau Peter M; Chuang Linda F; Doi Roy H; Chuang Ronald Y (a)
Author Address: (a)Dep. Med. Pharmacol. Toxicol., Univ. Calif., Davis, CA 95661, USA

Polychlorinated biphenyls and chlordane in the gonads of paddlefish, Polyodon spathula, from the Ohio River.
Author: Gundersen D T(a); Krahling M D; Donosky J J; Cable R G; Mims S D
Author Address: (a)Biol. Dep., Univ. Southern Indiana, 8600 University Blvd., Evansville, IN 47712, USA

Chlordane transport in a sandy soil: Effects of suspended soil material and pig slurry.
Author: Hesketh N(a); Brookes P C; Addiscott T M
Author Address: (a)Soil Sci. Dep., IACR-Rothamsted, Harpenden, Herts AL 2JQ, UK

Concentrations and biomagnification of 17 chlordane compounds and other organochlorines in harbour porpoise (Phocoena phocoena) and herring from the southern Baltic Sea.
Author: Strandberg Bo(a); Strandberg Lidia; Bergqvist Per-Anders; Falandysz Jerzy; Rappe Christoffer
Author Address: (a)Inst. Environmental Chem., Umea Univ., S-901 87 Umea, Sweden
Multi-system failure in a suicidal chlordane ingestion. A case report.
**Author:** Stipetic M E; Hobbs G D  
**Author Address:** Texas Poison Cent. Network, Central Texas Poison Cent., Scott and White Memorial Hosp., Temple, TX, USA  
**Journal:** Journal of Toxicology Clinical Toxicology 36 ( 5 ): p 467 Aug., 1998  
**Conference/Meeting:** Annual Meeting of the North American Congress of Clinical Toxicology Orlando, Florida, USA September 9-15, 1998

Enantiomeric ratios of chlordane-related compounds in air near the Great Lakes.
**Author:** Ulrich Elin M; Hites Ronald A(a)  
**Author Address:** (a)Sch. Public Environ. Affairs, Indiana Univ., Bloomington, IN 47405, USA  

Trends of chlordane and toxaphene in ambient air of Columbia, South Carolina.
**Author:** Bidleman T F(a); Alegria H; Ngabe B; Green C  
**Author Address:** (a)Atmospheric Environment Service, ARQP, 4905 Dufferin Street, Downsview, ON M3H 5T4, Canada  

Levels of chlordane compounds in fish muscle, - meal, - oil and - feed.
**Author:** Karl Horst; Lehmann Ines; Oetjen Katrin  
**Author Address:** Federal Res. Centre Fisheries, Inst. Biochemistry Technol., Palmaille 9, D-22767 Hamburg, Germany  

Comparative toxicity of chlordane, chlorpyrifos, and aldicarb to four aquatic testing organisms.
**Author:** Moore M T; Huggett D B; Gillespie W B Jr; Rodgers J H Jr(a); Cooper C M  
**Author Address:** (a)Dep. Biol., Univ. Mississippi, University, MS 38677, USA  
**Journal:** Archives of Environmental Contamination and Toxicology 34 ( 2 ): p 152-157 Feb., 1998

Is the southern U.S. a source of chlordane to the Great Lakes?  
**Book Title:** 40th Conference of the International Association for Great Lakes Research  
**Author:** Wiberg K(a); Jantunen L M(a); Harner T(a); Bidleman T(a); Wideman J; Parkhurst W; Alegria H  
**Book Author/Editor:** Anonymous  
**Author Address:** (a)Atmospheric Environment Serv., 4905 Dufferin St., ON M3H 5T4, Canada  
**p 131-132 1997**  
**Book Publisher:** University of Buffalo, Great Lakes Center, Buffalo State College, 1300 Elmweed Avenue, Buffalo, New York 14222, USA  
**Conference/Meeting:** 40th Conference of the International Association for Great Lakes Research Buffalo, New York, USA June 1-5, 1997  
**Sponsor:** International Association for Great Lakes Research
Toxaphene, PCB, DDT, and chlordane analyses of Beluga Whale blubber.
Author: Wade Terry L(a); Chambers Laura(a); Gardinali Piero R(a); Sericano Jose L (a); Jackson Thomas J(a); Tarpley Raymond J; Suydam Robert
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4,5-dichloro-chlordene, a new synthetic internal standard for the quantification of toxaphene and chlordane congeners in fish from the Barents Sea and North Atlantic. Application and experience.
Author: Karlsson Heidi; Oehme Michael(a); Klungsoyr Jarle
Author Address: (a)Inst. Org. Chem., Univ. Basel, St. Johans-Ring 19, CH-4056 Basel, Switzerland

Chlordane as a neurotoxin in humans.
Author: Kilburn Kaye H

Dynamics of chlordane under nonconstant exposure conditions: A numerical bioaccumulation model.
Author: Erstfeld K M(a); Park S S
Author Address: (a)Dep. Environmental Sci., Rutgers Univ., New Brunswick, NJ 08903, USA

Chlordane contamination in selected estuarine and coastal marine finfish and shellfish of New Jersey, USA.
Author: Kennish Michael J(a); Ruppel Bruce E
Author Address: (a)Inst. Marine Coastal Sci., Rutgers Univ., New Brunswick, NJ 08903, USA
Journal: Environmental Pollution 94 (1): p 75-81 1996

Chlordane contamination in selected freshwater finfish of New Jersey.
Author: Kennish M J(a); Ruppel B E
Author Address: (a)Inst. Mar. Coastal Sci., Rutgers Univ., New Brunswick, NJ 08903, USA

Accumulation of chlordanes in adipose tissues of mice caused by long-term exposure of low level technical chlordane.
Author: Asakawa F(a); Jitsunari F; Shiraishi H; Suna S; Takeda N; Kitamado T
Author Address: (a)Human-Environ. Sci. Res. Lab., Coll. Liberal Arts and Science, Kurashiki Univ. Sci. and Arts, 26, Japan
Chlordane residues in marine biota and sediment from an intertidal Sandbank in Manukau Harbour, New Zealand.

**Author:** Simpson C D; Wilkins A L(a); Langdon A G; Wilcock R J

**Author Address:** (a)Chemistry Dep., Univ. Waikato, Private Bag, Hamilton, New Zealand


Analysis of chlordane-impacted streams using chironomid pupal exuviae (Diptera: Chironomidae).

**Author:** Wright Christopher A(a); Ferrington Leonard C Jr(a); Crisp Norman H

**Author Address:** (a)Kansas Biol. Survey, Dep. Entomol., Univ. Kansas, Lawrence, KS 66047, USA

**Journal:** Hydrobiologia 318 (1-2): p 69-77 1996

Annual trend of chlordane residues in short-necked clam from Tokyo Bay.

**Author:** Miyazaki Tomoyuki; Hashimoto Tsuneo; Sasamoto Takeo; Kokubo Yataro

**Author Address:** Tokyo Metropolitan Research Lab. Public Health, 3-24-1 Hyakunin-cho, Shinjuku-ku, Tokyo 169, Japan


**Language:** Japanese; Non-English

**Summary Language:** Japanese; English

Human pollution by chlordane and physical condition of subjects.

**Author:** Hirai Y(a); Tomokuni K

**Author Address:** (a)Dep. Community Health Science, Saga Med. Sch., Nabeshima 5-1-1, Saga 849, Japan


Toxic effects of chlordane and malathion on certain haematological parameters of a freshwater teleost, Notopterus notopterus.

**Author:** Gupta Ashok Kumar(a); Muni Anand; Ranjana; Dalela R C

**Author Address:** (a)Environ. Res. Lab., Dep. Zool., S.S.V. Coll., Hapur 245 101, India


Accumulation of cis and trans chlordane by channel catfish during dietary exposure.

**Author:** Murphy D L; Gooch J W(a)

**Author Address:** (a)Center Environ. Estuarine Studies Univ. Maryland System, Solomons, MD 20688, USA

**Journal:** Archives of Environmental Contamination and Toxicology 29 (3): p 297-301 1995

Determination of Octanol-Water Partition Coefficients for the Major Components of Technical Chlordane.

**Author:** Simpson C D(a); Wilcock R J; Smith T J; Wilkins A L; Langdon A G

**Author Address:** (a)Chemistry Dep., Univ. British Columbia, Vancouver, BC V6T 1Z1, Canada

Identification of a point source of chlordane contamination from a timber treatment facility.
Author: Simpson C D; Smith T J; Burggraaf S; Wilkins A L(a); Langdon A G; Wilcock R J
Author Address: (a)Chem. Dep., Univ. Waikato, Private Bag, Hamilton, New Zealand

Chlordane compounds and metabolite residues in termite control workers' blood.
Author: Jitunari F; Asakawa F(a); Takeda N; Suna S; Manabe Y
Author Address: (a)Dep. Hygiene Public Health, Kagawa Med. Sch. 1750-1, Ikenobe, Miki-cho, Kagawa 761-07, Japan

Long-term trends in DDT, polychlorinated biphenyls, and chlordane in California mussels.
Author: Stephenson M D(a); Martin M; Tjeerdema R S
Author Address: (a)Calif. Dep. Fish Cent., Moss Landing Mar. Lab., P.O. Box 747, Moss Landing, CA 95039, USA

Synergistic effects of chlordane and TPA in multistage morphological transformation of SHE cells.
Author: Bessi Halima(a); Rast Claudine(a); Rether Benoit; Nguyen-Ba Giao; Vasseur Paule(a)
Author Address: (a)Cent. Sci. l'Environ., F-57040 Metz Cedex, France

A method evaluating population risks from chemical exposure: A case study concerning prohibition of chlordane use in Japan.
Author: Gamo Masashi; Oka Tosihiro; Nakanishi Junko
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Human pollution by chlordane and life of subjects.
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Polychlorinated Biphenyls and Chlordane in the Gonads of Paddlefish, Polyodon spathula, from the Ohio River
Gundersen, D. T., University of Southern Indiana, Evansville; Krahling, M. D.; Donosky, J. J.; Cable, R. G.; Mims, S. D.
Bull Environ Contam Toxicol v61, n5, p650(8)
Nov 98
Concentrations and Biomagnification of 17 Chlordane Compounds and Other Organochlorines in Harbour Porpoise (Phocoena phocoena) and Herring from the Southern Baltic Sea
Strandberg, Bo, Umea University, Sweden; Strandberg, Lidia; Bergqvist, Per-Anders; Falandysz, Jerzy; Rappe, Christoffer
Chemosphere v37, n9-12, p2513(11)
Oct-Nov 98

Trends of Chlordane and Toxaphene in Ambient Air of Columbia, South Carolina
Bidleman, T. F., Atmospheric Environ Service, Downsview, ON, Canada; Alegria, H.; Ngabe, B.; Green, C.
Atmos Environ v32, n11, p1849(8) Jun 98

Comparative Toxicity of Chlordane, Chlorpyrifos, and Aldicarb to Four Aquatic Testing Organisms
Moore, M. T., University of Mississippi, University; Huggett, D. B.; Gillespie, W. B., Jr.; Rodgers, J. H., Jr.; Cooper, C. M.
Arch Environ Contam Toxicol v34, n2, p152(6)
Feb 98

Concentrations and Transport of Chlordane and Nonachlor Associated with Suspended Sediment in the Mississippi River, May 1988 to June 1990
Rostad, C. E., USGS, Arvada, CO
Arch Environ Contam Toxicol v33, n4, p369(9)
Nov 97

Dieldrin and Chlordane Residue in Agriculture Fields
Nagami, H., Nara Prefectural Institute of Science and Technology, Kashiwagi, Japan
Bull Environ Contam Toxicol v59, n3, p383(6)
Sep 97

Determination of Chlordane and Chlorpyrifos in Ambient Air at Low Nanogram-Per-Cubic Meter Levels by Supercritical Fluid Extraction
Swami, Kamal, New York State Department of Health, Albany; Narang, Amarjit S.; Narang, Rajinder S.
J AOAC Int v80, n1, p74(4)
Jan-Feb 97

Toxaphene, PCB, DDT, and Chlordane Analyses of Beluga Whale Blubber
Wade, Terry L., Texas A&M University, College Station; Chambers, Laura; Gardinali, Piero R.; Sericano, Jose L.; Jackson, Thomas J.; Tarpley, Raymond J.; Suydam, Robert
Chemosphere v34, n5-7, p1351(7)
Mar-Apr 97

September, 2000
4,5-Dichloro-Chlordene, a New Synthetic Internal Standard for the Quantification of Toxaphene and Chlordane Congeners in Fish from the Barents Sea and North Atlantic. Application and Experience
Karlsson, Heidi, Norwegian Institute for Air Research, Kjeller; Oehme, Michael; Klungsoyr, Jarle
Chemosphere v34, n5-7, p951(13)
Mar-Apr 97

Dynamics of Chlordane Under Nonconstant Exposure Conditions: a Numerical Bioaccumulation Model
Erstfeld, K. M., (Rutgers University, New Brunswick, NJ); Park, S. S., (Ewha University, Seoul, South Korea)
Bull Environ Contam Toxicol v58, n3, p364(8)
Mar 97

Chlordane Contamination in Selected Estuarine and Coastal Marine Finfish and Shellfish of New Jersey, USA
Kennish, Michael J., (Rutgers University, New Brunswick, NJ); Ruppel, Bruce E., (New Jersey Department of Environ Protection, Trenton)
Environ Pollut v94, n1, p75(7)
1996

Chlordane Contamination in Selected Freshwater Finfish of New Jersey
Kennish, M. J., (Rutgers University, New Brunswick, NJ); Ruppel, B. E., (New Jersey Department of Environmental Protection, Trenton, NJ)
Bull Environ Contam Toxicol v58, n1, p142(8)
Jan 97

Chlordane Residues in Marine Biota and Sediment from an Intertidal Sandbank in Manukau Harbour, New Zealand
Simpson, C. D., University of British Columbia, Vancouver, Canada; Wilkins, A. L.; Langdon, A. G.; Wilcock, R. J.
Mar Pollut Bull v32, n6, p499(5)
Jun 96

Sorption and Desorption Characteristics of Chlordane onto Sediments
Erstfeld, K. M., University of Michigan, Ann Arbor; Simmons, M. S.; Atallah, Y. H.
J Environ Sci Health-Pestic Food Contam Agric Wastes vB31, n1, p43(16)
Jan 96

Human Pollution by Chlordane and Physical Condition of Subjects
Hirai, Y., Saga Medical School, Japan; Tomokuni, K.
Bull Environ Contam Toxicol v55, n6, p840(5)
Dec 95

Accumulation of cis and trans Chlordane by Channel Catfish During Dietary Exposure
Murphy, D. L., University of Maryland, Baltimore; Gooch, J. W.
Arch Environ Contam Toxicol v29, n3, p297(5)
Oct 95

September, 2000
Protracted Neurotoxicity from Chlordane Sprayed to Kill Termites
Kilburn, Kaye H., (University of Southern California School of Medicine, Los Angeles);
Thornton, John C., (Thornton Associates, Mahopac, NY)
Environ Health Perspec v103, n7-8, p690(5)
Jul-Aug 95

Identification of a Point Source of Chlordane Contamination from a Timber Treatment Facility
Simpson, C. D., University of British Columbia, Vancouver, Canada; Smith, T. J.; Burggraaf, S.;
Wilkins, A. L.; Langdon, A. G.; Wilcock, R. J.
Bull Environ Contam Toxicol v55, n2, p289(7)
Aug 95

Chlordane Compounds and Metabolite Residues in Termite Control Workers' Blood
Jitunari, F., Kagawa Medical School, Japan; Asakawa, F.; Takeda, N.; Suna, S.; Manabe, Y.
Bull Environ Contam Toxicol v54, n6, p855(8)
Jun 95
4 DDT

4,4′-DDT, 4,4′-DDE, 4,4′-DDD
Anonymous
Source: Agency for Toxic Substances and Disease Registry U.S. Public Health Service; ATSDR TP-93/05; 1994; 162 p

Health effects assessment for DDT
EPA working group
Source: Environmental protection agency; EPA/600/8-89/091; 1988; 58 p

DDT (group 2B)
Anonymous
Source: IARC Monographs on the evaluation of the carcinogenic risk of chemicals to humans; Suppl. 7; 1987; 186-9

DDT
Anonymous
Source: ACGIH. Documentation of the threshold limit values and biological exposure indices; 6th ed; 1991; 380-2

DDT
Anonymous
Source: Canadian water quality guidelines; 1987

Ambient water quality criteria for DDT
EPA working group
Source: Environmental Protection Agency; EPA-440/5-80-038; 1980

DDT and associated compounds
IARC working group
Source: IARC Monographs on the evaluation of the carcinogenic risk of chemicals to humans; 53; 1991; 179-249

Hazard assessment of chemical contaminants i soil
ECETOC working group
Source: ECETOC Technical report; 40; 1990; 123 p

DDT and is derivatives - environmental aspects
WHO working group
Source: Environmental Health Criteria(83); 1989; 98 p

DDT
FAO and WHO working groups
Source: FAO plant production and protection paper; 67; 1984; 585-601
DDT and its derivatives
WHO Working Group
Source: Environmental Health Criteria; 9; 1979; 1-194

Book Title: 41st Conference of the International Association for Great Lakes Research
Author: Monosmith C L(a); Hermanson M H; Keeler G J
Book Author/Editor: INTERNATIONAL ASSOCIATION FOR GREAT LAKES RESEARCH
Author Address: (a)Michigan Dep. Environ. Quality, Environ. Assistance Div., PO Box 30457, Lansing, MI 48909, USA
p 101 1998
Book Publisher: International Association for Great Lakes Research, Ann Arbor, Michigan, USA
Conference/Meeting: Meeting Hamilton, Ontario, Canada May 18-22, 1998
Sponsor: International Association for Great Lakes Research

Microbial degradation of DDT and its residues. A review.
Author: Aislabie J M(a); Richards N K; Boul H L
Author Address: (a)Manaaki Whenua - Landcare Res., Private Bag 3127, Hamilton, New Zealand
Document Type: Literature Review

The human health effects of DDT (dichlorodiphenyl-trichloroethane) and PCBs (polychlorinated biphenyls) and an overview of organochlorines in public health.
Book Title: Annual Review of Public Health
Author: Longnecker Matthew P(a); Rogan Walter J; Lucier George
Book Author/Editor: Fielding J E: Ed
Author Address: (a)Epidemiol. Branch, Natl. Inst. Environ. Health Sci., Research Triangle Park, NC 27709, USA
Journal: Annual Review of Public Health 18 p 211-244 1997
Book Publisher: Annual Reviews Inc., P.O. Box 10139, 4139 El Camino Way, Palo Alto, California 94306, USA
Document Type: Literature Review

Should DDT continue to be recommended for malaria vector control?
Author: Curtis C F
Author Address: London Sch. Hyg. Trop. Med., Keppel St., London WC1E 7HT, UK
Document Type: Literature Review

What are the implications of the interaction between DDT and estrogen receptors in the body?
Author: Jaga K(a)
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Sex-dependent regulation of hepatic cytochrome P-450 by DDT.
**Author:** Sierra-Santoyo A; Hernandez M; Albores A; Cebrian M E(a)
**Author Address:** (a)Seccion de Toxicologia Ambiental, Centro de Investigacion y Estudios Avanzados, Ave. Instituto Politecnico Nacional No. 2508, Col. San Pedro Zacatenco, G. A. Madero, Mexico, DF, 07300, Mexico
**Journal:** Toxicological Sciences. 54 ( 1 ): p 81-87 March, 2000

Developmental alterations in murine embryos exposed in vitro to an estrogenic pesticide, o,p'-DDT.
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**Author Address:** (a)Marshfield Medical Research Foundation, National Farm Medicine Center, 1000 North Oak Avenue, Marshfield, WI, 54449, USA
**Journal:** Reproductive Toxicology 13 ( 6 ): p 555-565 Nov.-Dec., 1999

DDT concentrations in surficial sediments of three estuarine systems in Portugal.
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Apparent degradation of 1,1,1-trichloro-2,2-bis(p-chlorophenyl)ethane (DDT) by a Cladosporium sp.
**Author:** Juhasz Albert L(a); Naidu Ravendra
**Author Address:** (a)PMB 2 Glen Osmond, CSIRO Land and Water, Adelaide, South Australia, Australia

Chemical-extraction methods to estimate bioavailability of DDT, DDE, and DDD in soil.
**Author:** Tang Jixin; Robertson Boakai K; Alexander Martin(a)
**Author Address:** (a)Department of Soil, Crop, and Atmospheric Sciences, Institute for Comparative and Environmental Toxicology, Cornell University, Ithaca, NY, USA
**Journal:** Environmental Science & Technology 33 ( 23 ): p 4346-4351 Dec. 1, 1999

Reductive dechlorination of p,p'-DDT mediated by hemoproteins in the hepatopancreas and blood of goldfish, Carassius auratus.
**Author:** Kitamura Shigeyuki(a); Yoshida Mayumi; Sugihara Kazumi; Ohta Shigeru
**Author Address:** (a)Institute of Pharmaceutical Science, Hiroshima University School of Medicine, 1-2-3 Kasumi, Minami-ku, Hiroshima, 734-8551, Japan

Levels of organochlorines (DDT, PCBs, toxaphene, chlordane, dieldrin, and HCHs) in blubber of South African fur seals (Arctocephalus pusillus pusillus) from Cape Cross/Namibia.
**Author:** Vetter Walter(a); Weichbrodt Marion; Scholz Elke; Luckas Bernd; Oelschlaeger Herbert
**Author Address:** (a)Friedrich-Schiller-Universitaet Jena, Institut fuer Ernahrungswissenschaften, Dornburger Str. 25, D-07743, Jena, Germany
DDT and HCH residues in dairy milk samples collected from different geographical regions of India: A multicentre study.
Author: Kalra R L; Kaur H; Sharma S; Kapoor S K; Chakraborty Swagata S; Kshirasagar R B; Vaidya R C; Sagade R B; Shirolkar S B; Dikshith T S S; Raizada R B; Srivastava M K; Singh Vasudha; Nagarja K V; Appaiah K M; Srinivasa M A; Usha Rani M; Rama Rao S N; Toteja G S; Dasgupta J; Ghosh P K; Saxena B N(a)
Author Address: (a)Division of Reproductive Health and Nutrition, Indian Council of Medical Research, Ansari Nagar, New Delhi, 110029, India

Comparison of PCB and DDT distribution between water-column and sediment-dwelling bivalves in Arcachon Bay, France.
Author: Thompson S(a); Budzinski H; Garrigues P; Narbonne J F
Author Address: (a)LPTC, UPRESA 5472, CNRS, University of Bordeaux I, Talence, France

Magnitude of (14C) DDT residues in stored dried fish and pre-cooking processing effect on their removal.
Author: Rahman M; Khatoon J(a); Main A J; Matin M A
Author Address: (a)Inst. Food Radiation Biol., Atomic Energy Res. Establishment, GPO Box 3787, Dhaka - 1000, Bangladesh

Anaerobic-aerobic biodegradation of DDT (dichlorodiphenyl trichloroethane) in soils.
Author: Corona-Cruz A(a); Gold-Bouchot G; Gutierrez-Rojas M; Monroy-Hermosillo O; Favela E
Author Address: (a)Facultad de Ingenieria Quimica, Universidad Autonoma de Yucatan, Merida, Yucatan, 97288, Mexico

Toxicity of DDT to the different life stages of the mummichog Fundulus heteroclitus (Wabum).
Author: Anadu D I(a); Scott G I; Fulton M H
Author Address: (a)Department of Biological Sciences, South Carolina State University, 300 College Street N.E., Orangeburg, SC, 29117-0001, USA

DDE and DDT in breast adipose tissue and risk of female breast cancer.
Author: Zheng Tongzhang(a); Holford Theodore R; Mayne Susan T; Ward Barbara; Carter Darryl; Owens Patricia H; Dubrow Robert; Zahm Shelia H; Boyle Peter; Archibeque Shannon; Tessari John
Author Address: (a)129 Church Street, Suite 700, New Haven, CT, 06510, USA
DDT enrichment in a prey-predator relationship in background and recently contaminated lakes in Northern Italy.

**Author:** Di Guardo A(a); Martinoli A(a); Preatoni D G(a); Cerabolini B(a); Tosi G(a); Calamari D(a)

**Author Address:** (a)Department of Structural and Functional Biology, University of Insubria, Via Dunant, 3, 21100, Varese, VA, Italy

**Journal:** Abstracts of Papers American Chemical Society 218 (1-2): p AGRO 94 1999

**Conference/Meeting:** 218th National Meeting of the American Chemical Society, Parts 1 and 2

New Orleans, Louisiana, USA August 22-26, 1999

**Sponsor:** American Chemical Society

DDT residues and enantiomers of O,P'-DDT in soils.

**Author:** Ngabe Barnabe(a); Bidleman Terry F(a); Leone Andrea D(a); Falconer Renee L; Wiberg Karin; Harner Tom

**Author Address:** (a)Atmospheric Environment Service, 4905 Dufferin St., Downsview, ON, M3H 5T4, Canada

**Journal:** Abstracts of Papers American Chemical Society 218 (1-2): p ENVR 116 1999

**Conference/Meeting:** 218th National Meeting of the American Chemical Society, Parts 1 and 2

New Orleans, Louisiana, USA August 22-26, 1999

**Sponsor:** American Chemical Society

Chiral patterns of soil-aged pesticides (technical chlordane, BHC, and DDT).

**Author:** Rice Clifford P(a); Klingebiel Ute(a); Poster Dianne

**Author Address:** (a)Environmental Chemistry Laboratory, Beltsville Agricultural Research Center, U.S. Department of , USA

**Journal:** Abstracts of Papers American Chemical Society 218 (1-2): p ENVR 88 1999

**Conference/Meeting:** 218th National Meeting of the American Chemical Society, Parts 1 and 2

New Orleans, Louisiana, USA August 22-26, 1999

**Sponsor:** American Chemical Society

Fish tissue residue-based toxicity reference values for chlordane, DDT, dieldrin, endrin, hexachlorobenzene, mercury, and PCBS for piscivorous wildlife.

**Author:** Henry Tala R(a); Bradbury Steven P(a)

**Author Address:** (a)Mid-Continental Ecology Division, U. S. Environmental Protection Agency, 6201 Congdon Blvd., Dulut, USA

**Journal:** Abstracts of Papers American Chemical Society 218 (1-2): p AGRO 122 1999

**Conference/Meeting:** 218th National Meeting of the American Chemical Society, Parts 1 and 2

New Orleans, Louisiana, USA August 22-26, 1999

**Sponsor:** American Chemical Society

Indoor air pollution by lindane and DDT indicated by head hair samples of children.

**Author:** Neuber Kerstin(a); Merkel Guenter; Randow Friedrich F E

**Author Address:** (a)Faculty of Medicine, Institute of Public Health, University of Rostock, Schillingallee 70, 18057, Germany

**Journal:** Toxicology Letters (Shannon) 107 (1-3): p 189-192 June 30, 1999
DDT and bone mineral density.
Author: Marshall S(a); Beard J; Jong K; Newton R(a); Triplett-McBride T(a); Humphries B(a); Bronks R(a)
Author Address: (a)School of Exercise and Sports Management, Southern Cross University, Lismore, Australia
Journal: Calcified Tissue International 64 ( SUPPL. 1 ): p S52 1999
Conference/Meeting: XXVIth European Symposium on Calcified Tissues Maastricht, Netherlands May 7-11, 1999
Sponsor: European Calcified Tissue Society

Levels of dichloro-dyphenyl-trichloroethane (DDT) metabolites in maternal milk and their determinant factors.
Author: Torres-Arreola Laura; Lopez-Carrillo Lizbeth; Torres-Sanchez Luisa; Cebrian Mariano; Rueda Celina; Reyes Raul; Lopez-Cervantes Malaquias(a)
Author Address: (a)National Institute of Public Health/Secretary of Health, Mexico, Av. Universidad No. 655, Col. S, Mexico
Journal: Archives of Environmental Health 54 ( 2 ): p 124-129 March-April, 1999

Predicting the trophic transport of sediment-associated DDT to fish-eating birds.
Author: Lee H II(a); Young D R; Echols S F
Author Address: (a)U.S. EPA, Off. Sci. Policy, San Francisco, CA 94105, USA
Conference/Meeting: 217th National Meeting of the American Chemical Society Anaheim, California, USA March 21-25, 1999
Sponsor: American Chemical Society

The cosolvolation transport of DDT and toxaphene in xylene at a pesticide formulation facility.
Author: Morrison Robert D; Newell A Evan
Author Address: R. Morrison and Assoc., Inc., 201 East Grand Avenue, Suite 2B, Escondido, CA 92025, USA

Sorption kinetics and transformation of DDT in sediment.
Author: Van Den Hoop Marc A G T(a); Kreule Petta; Loch J P Gustav
Author Address: (a)Natl. Inst. Public Health Environ., P.O. Box 1, 3720 BA Bilthoven, Netherlands

Photodechlorination mechanisim of DDT in a UV/surfactant system.
Author: Chu Wei(a)
Author Address: (a)Dep. Civil Structural Eng., Hong Kong Polytechnic Univ., Hung Hom, Kowloon, Hong Kong, China
Ratio of DDT/DDE in the All Saints Bay, Brazil and its use in environmental management.
Author: Tavares T M(a); Beretta M; Costa M C
Author Address: (a)Lab. Quimica Analítica Ambiental, Inst. Quimica, Univ. Federal Bahia, Campus Universitario Federa, Brazil

Long-term persistence of DDT in Shrews, Soricidae, from Maine.
Author: Perkins Dustin W(a); Hodgman Thomas P; Owen Ray B; Dimond John B
Author Address: (a)Dep. Forestry Wildlife Management, Holdsworth Nat. Resour. Cent., Univ. Massachusetts, Amherst, USA

Zonagenesis and vitellogenesis are affected differently by DDT pesticides.
Author: Celius Trine; Walthier Bernt T

Estradiol-17beta and o,p'-DDT stimulate gonadotropin release in Atlantic croaker.
Author: Khan I A(a); Thomas P
Author Address: (a)Univ. Texas Austin, Marine Sci. Inst., 750 Channelview Drive, Port Aransas, TX 78373, USA

Plasma levels of vitellogenin and eggshell Zona radiata proteins in 4-nonylphenol and o,p'DDT treated juvenile Atlantic salmon (Salmo salar).
Author: Arukwe A(a); Celius T; Walther B T; Goksoyr A
Author Address: (a)Dep. Molecular Biol., Univ. Bergen, HIB, N-5020 Bergen, Norway

A comparison of ultrasonication and soxhlet methods for DDT extraction from soil.
Author: Evans J; Kaake R H; Orr M; Watwood M(a)
Author Address: (a)Dep. Biol. Sci., Campus Box 8007, Idaho State Univ., Pocatello, ID 83209, USA

Decontamination of DDT-polluted soil by soil washing/cloud point extraction.
Author: Evdokimov Evgenij; Von Wandruszka Ray(a)
Author Address: (a)Dep. Chem., Univ. Idaho, Moscow, ID 83844-2343, USA
Residues of the organochlorine compounds lindane, heptachlor, aldrin, pp'DDE, pp'DDD y pp'DDT were determined in leaves of two species of mangrove (Rhizophora mangle and Avicennia germinans) from the Cienaga Grande de Santa Marta.

**Author:** Espinosa Luisa F(a); Campos Nestor H; Ramirez Gustavo(a)

**Author Address:** (a)INVEMAR, Apartado 1016, Santa Marta, Colombia


Development of a panel of immunoassays for monitoring DDT, its metabolites, and analogues in food and environmental matrices.

**Author:** Beasley Helen L; Pongkham Thipsavanh; Daunt Margaret H; Guihot Simone L; Skerritt John H(a)

**Author Address:** (a)CSIRO Plant Industry, G.P.O. Box 1600, Canberra, ACT 2601, Australia


Comparison of supercritical fluid extraction and Soxhlet extraction for the determination of DDT, DDD and DDE in sediment.

**Author:** Naude Y(a); De Beer W H J; Jooste S; Van Der Merwe L; Van Rensburg S J

**Author Address:** (a)Dep. Water Affairs and For., Inst. Water Quality Studies, Private Bag x313, Pretoria 0001, South Africa


Influence of environmental toxicants, lindane and DDT, on in vitro cultured bovine oviduct epithelial cell function.

**Author:** McNutt-Scott T L; Bauer M; Dinkins M B

**Author Address:** Biol. Dep., Augusta State Univ., Augusta, GA, USA


**Conference/Meeting:** Thirty-first Annual Meeting of the Society for the Study of Reproduction
College Station, Texas, USA August 8-11, 1998

**Sponsor:** Society for the Study of Reproduction

DDT and Lindane exposure following hylotox use.

**Author:** Baudisch Christoph; Proesch Joachim

**Author Address:** Landeshygieneinst. Mecklenburg-Vorpommern, Aussenstelle Schwerin, Abt. Umwetlyg., Bornhoevedstr. 78, Germany

**Journal:** Zentralblatt fuer Hygiene und Umweltmedizin 201 ( 1 ): p 78 Feb., 1998

**Conference/Meeting:** Sixth Conference of the Society for Hygiene and Environmental Medicine in Tuebingen Tuebingen, Germany March 1-3, 1998

**Sponsor:** Society for Hygiene and Environmental Medicine

The current state of important organic chlorine pesticide residues (DDT and metabolites, HCB and Lindane) in breast milk in the Leipzig (Germany) area: Comparison of the DDT level to preliminary examinations in 1983.

**Author:** Hofmann Axel; Baginski Gunnar; Wildfuehr Wolfgang

**Author Address:** Inst. Hyg., Univ. Leipzig, Liebigstr. 24, D-04103 Leipzig, Germany

**Journal:** Zentralblatt fuer Hygiene und Umweltmedizin 201 ( 1 ): p 58 Feb., 1998

**Conference/Meeting:** Sixth Conference of the Society for Hygiene and Environmental Medicine in Tuebingen Tuebingen, Germany March 1-3, 1998

**Sponsor:** Society for Hygiene and Environmental Medicine
Differential sensitivity of zonagenesis and vitellogenesis in Atlantic salmon (Salmo salar L.) to DDT pesticides.
Author: Celius Trine(a); Walther Bernt T
Author Address: (a)Dep. Mol. Biol., Univ. Bergen, HIB, N-5020 Bergen, Norway
ISSN: 0022-104X

DDT and its metabolites in human milk collected in Veracruz City and suburban areas (Mexico).
Author: Pardio V T(a); Waliszewski S M; Aguirre A A; Coronel H; Burelo G V; Infanzon-R R M; Rivera J
Author Address: (a)Inst. Forsenic Med., Veracruz Univ., Avenida SS Juan Pablo II esq. Reyes Heroles s/n, P.O. Box 1, Mexico

Sequestration of DDT dieldrin in soil: Disappearance of acute toxicity but not the compounds.
Author: Robertson Boakai K; Alexander Martin(a)
Author Address: (a)Inst. Comparative Environ. Toxicology, Dep. Soil, Crop Atomspheric Sci., Cornell Univ., Ithaca, , USA

Long term DDT pollution in tropical soils: Effect of DDT and degradation products on soil microbial activities leading to soil fertility.
Author: Mitra J(a); Raghu K
Author Address: (a)Nuclear Agric. and Biotechnol. Div., Bhabha Atomic Res. Cent., Mumbai 400 085, India

HCH and DDT in surface extractable skin lipid as a measure of human exposure in India.
Author: Dua V K(a); Pant C S; Sharma V P; Pathak G K
Author Address: (a)Malaria Res. Cent., Sect. III, BHEL, Ranipur, Hardwar 249 403, India
Journal: Bulletin of Environmental Contamination and Toxicology 60 (2): p 238-244 Feb., 1998

Interactions of gonadal steroids and pesticides (DDT, DDE) on gonaduct growth in larval tiger salamanders, Ambystoma tigrinum.
Author: Clark Edmund J; Norris David O(a); Jones Richard E
Author Address: (a)Dep. Environ. Population Organismic Biol., Univ. Colo., Boulder, CO 80309-0334, USA
Comparison of PCB and DDT Distribution Between Water-Column and Sediment-Dwelling Bivalves in Arcachon Bay, France
Thompson, S., University of Bordeaux I, Talence, France; Budzinski, H.; Garrigues, P.; Narbonne, J. F.
Mar Pollut Bull v38, n8, p655(8)
Aug 99

Biodegradation of 2,4-D and DDT at High Concentrations in Low-Cost Packaging Biofilters
Torres, Luis G., Instituto Mexicano del Petroleo; Santacruz, German; Bandala, Erick R.
Bioremediation of Nitroaromatic and Haloaromatic Compounds (Battelle) v5, n7, p137(6)
1999

Biodegradation of DDT: The Role of Pleurotus sp., A Lignicolous Fungus
Osano, Anne A., University of Nairobi, Kenya; Siboe, George M.; Ochanda, John O.; Kokwaro, J. O.
Bioremediation of Nitroaromatic and Haloaromatic Compounds (Battelle) v5, n7, p69(6)
1999

Preliminary Study on the Marine Organic Pollution History in Changjiang Estuary-Hangzhou Bay-BHC and DDT Stratigraphical Records
Chen, Jian-fang, State Oceanographic Administration, Hangzhou, China; Ye, Xin-rong; Zhou, Huai-yang; Xia, Xiao-ming; Zheng, Shi-long
China Environ Sci v19, n3, p206(5)
1999

Variation of Plant p,p'-DDT Uptake with Age and Soil Type and Dependence of Dissipation on Temperature
Kiflom, Welderufael G., University of Nairobi, Kenya; Wandiga, Shem O.; Ng'ang'a, Peter K.; Kamau, Geoffrey N.
Environ Int v25, n4, p479(9)
May 99

Analysis of the Distribution of DDT Residues in Soils of the Macintyre and Gwydir Valleys of New South Wales, Australia, Using ELISA
Shivaramaiah, H. M., University of Sydney, NSW, Australia; Odeh, I. O.; Kennedy, I. R.; Skerritt, J. H.
Australian Centre for Int Agric Res/et al Seeking Agric Produce Free of Pesticide Residues Int Workshop, Yogyakarta, Indonesia p386(7)
Feb 17-19, 98

Levels of Dichloro-Dyphenyl-Trichloroethane (DDT) Metabolites in Maternal Milk and Their Determinant Factors
Torres-Arreola, Laura, Mexican Institute of Social Security; Lopez-Carillo, Lizbeth, Secretary of Health, Cuernavaca, Mexico; Torres-Sanchez, Luisa; Cebrian, Mariano; Rueda, Celina; Reyes, Raul; Lopez-Cervantes, Malaquias
Arch Environ Health v54, n2, p124(6)
Mar-Apr 99
The Cosolvation Transport of DDT and Toxaphene in Xylene at a Pesticide Formulation Facility
Morrison, Robert D.; Newell, A. E., R. Morrison & Associates, Escondido, CA
J Soil Contam v8, n1, p63(18)
Jan 99

Ratio of DDT/DDE in the All Saints Bay, Brazil and Its Use in Environmental Management
Tavares, T. M., Universidade Federal de Bahia, Brazil; Beretta, M.; Costa, M. C.
Chemosphere v38, n6, p1445(8)
Mar 99

Sorption Kinetics and Transformation of DDT in Sediment
van den Hoop, Marc A. G. T., National Institute of Public Health and the Environ, Bilthoven, Netherlands; Kreule, Petra; Loch, J. P. Gustav
Water Air Soil Pollut v110, n1-2, p57(10)
Feb 99

Historical DDT Use Trends in China and Usage Data Gridding with 1/4~ by 1/6~ Longitude/Latitude Resolution
Li, Y. F., Atmospheric Environ Service, Downsview, ON, Canada; Cai, D. J.; Singh, A.
Adv Environ Res v2, n4, p497(10)
Winter 994qr

Long-Term Persistence of DDT in Shrews, Soricidae, from Maine
Perkins, Dustin W., University of Maine, Orono; Hodgman, Thomas P.; Owen, Ray B.; Dimond, John B.
Can Field-Nat v112, n3, p393(7)
Jul-Sep 98

A Comparison of Ultrasonication and Soxhlet Methods for DDT Extraction from Soil
Evans, J., Simplot Company, Pocatello, ID; Kaake, R. H.; Orr, M.; Watwood, M.
J Soil Contam v7, n5, p589(9)
Sep 98

Comparison of Supercritical Fluid Extraction and Soxhlet Extraction for the Determination of DDT, DDD and DDE in Sediment
Water SA v24, n3, p205(10)
Jul 98

Plasma Levels of Vitellogenin and Eggshell Zona Radiata Proteins in 4-Nonylphenol and o,p’-DDT Treated Juvenile Atlantic Salmon (Salmo salar)
Arukwe, A., University of Bergen, Norway; Celius, T.; Walther, B. T.; Goksoyr, A.
Mar Environ Res v46, n1-5, p133(4)
Jul-Dec 98
DDT Induces Apoptosis in Rat Thymocytes
Tebourbi, O., Laboratory of Animal Physiology, Bizerta-Jarzouna, Tunisia; Rhouma, K. T.; Sakly, M.
Bull Environ Contam Toxicol v61, n2, p216(8)
Aug 98

Sequestration of DDT and Dieldrin in Soil: Disappearance of Acute Toxicity but not the Compounds
Robertson, Boakai K., Cornell University, Ithaca, NY; Alexander, Martin
Environ Toxicol Chem v17, n6, p1034(5)
Jun 98

DDT and Its Metabolites in Human Milk Collected in Veracruz City and Suburban Areas (Mexico)
Pardio, V. T., Veracruz University, Mexico; Waliszewski, S. M.; Aguirre, A. A.; Coronel, H.; Burelo, G. V.; Infanzon, R. M.; Rivera, J.
Bull Environ Contam Toxicol v60, n6, p852(6)
Jun 98

Long Term DDT Pollution in Tropical Soils: Effect of DDT and Degradation Products on Soil Microbial Activities Leading to Soil Fertility
Mitra, J.; Raghu, K., Bhabha Atomic Research Centre, Mumbai, India
Bull Environ Contam Toxicol v60, n4, p585(7)
Apr 98

HCH and DDT in Surface Extractable Skin Lipid as a Measure of Human Exposure in India
Dua, V. K., Malaria Research Centre, Hardwar, India; Pant, C. S.; Sharma, V. P.; Pathak, G. K.
Bull Environ Contam Toxicol v60, n2, p238(7)
Feb 98

Contamination by PCB’s, DDT’s, and Heavy Metals in Sediments of Ho Chi Minh City’s Canals, Viet Nam
Phuong, P. K., Centre of Analytical Services and Experimentation, Ho Chi Minh City, Vietnam; Son, C. P. N.; Sauvain, J.-J.; Tarradellas, J.
Bull Environ Contam Toxicol v60, n3, p347(8)
Mar 98
5 ENDRIN

Toxicological profile for endrin and endrin aldehyde
Anonymous
Source: Agency for Toxic Substances and Disease Registry U.S. Public Health Service; 1996; 188 p

Health effects assessment for endrin
EPA working group
Source: Environmental protection agency; EPA/600/8-88/035; 1987; 43 p

Endrin
Anonymous
Source: ACGIH. Documentation of the threshold limit values and biological exposure indices; 6th ed; 1991; 546-7

Endrin
WHO working group
Source: Environmental Health Criteria; 130; 1992; 241 p

Ambient water quality criteria for endrin
EPA working group
Source: Environmental Protection Agency; EPA-400/5-80-047; 1980

Endrin
Anonymous
Source: IARC monographs on the Evaluation of the Carcinogenic risk of chemicals to humans; 5; 1974; 157-71

Aldrin, Dieldrin (001) and Endrin (033)
FAO/WHO Pesticide Residues in Food: Evaluations 1992 vPart 1, p93(9)
Sep 21-30, 92

Toxicity of Chlorpyrifos, Endrin, or Fenvalerate to Fathead Minnows Following Episodic or Continuous Exposure
Jarvinen, Alfred W., EPA; Tanner, Danny K.; Kline, Edward R.
Ecotoxicol Environ Saf v15, n1, p78(18)
Feb 88

September, 2000
Short-Term Lethality and Sediment Avoidance Assays with Endrin-Contaminated Sediment and Two Oligochaetes from Lake Michigan
Keilty, Timothy J., Univ of Michigan; White, David S.; Landrum, Peter F.
Arch Environ Contam Toxicol v17, n1, p95(7)
Jan 88

Effects of Dietary Endrin on Reproduction of Mallard Ducks (Anas Platyrhynchos)
Roylance, Kyle J.,., Brigham Young Univ; Jorgensen, Clive D.; Booth, Gary M.; Carter, Melvin W.
Arch Environ Contam Toxicol v14, n6, p705(7)
Nov 85

Short-Term Interactions Between DDT and Endrin Accumulation and Elimination in Mosquitofish (Gambusia Affinis)
Denison, Michael S., Mississippi State Univ; Chambers, Janice E.; Yarborough, James D.
Arch Environ Contam Toxicol v14, n3, p315(6)
May 85

Toxicity of Endrin and Malathion Mixtures to Flagfish (Jordanella Floridae)
Hermanutz, Roger O., EPA Env Research Lab, Duluth; Eaton, John G.; Mueller, Leonard H.
Arch Environ Contam Toxicol v14, n3, p307(8)
May 85

Situation Statement: a Review of Montana's Endrin-Waterfowl Situation
Montana Dep of Fish Wildl & Parks Report (4)
Jul 23, 82

Journal Announcement: 19830000

Toxicity of Metabolites of Dieldrin, Photodieldrin, and Endrin in the Cockroach
Kadous, Atef A., Univ of Wisconsin; Matsumura, F.
Arch Environ Contam Toxicol v11, n5, p635(9)
Sep 82

The Deadly Irony of Endrin
Robbins, Jim
Sierra v66, n6, p30(3)
Nov-Dec 81

Endrin: Its Application and Persistence and Threats to Human Health, and Wildlife Resources in Montana
Montana Dep of Agric/Livestock/Health & Environ Sci/Fish Wildl & Parks Report (45)
Sep 24, 81

Reductive Degradation of Dieldrin and Endrin in the Field Using Acidified Zinc
Butler, Larry C., EPA Health Effects Research Lab, Wash; Staiff, Donald C.; Sovocool, G. Wayne; Wilson, Nancy K.; Magnuson, James A.
J Environ Sci Health-Pestic Food Contam Agric Wastes v16, n4, p395(16)
1981
6 HEXACHLOROBENZENE

Hexachlorobenzene
Anonymous
Source: ACGIH. Documentation of the threshold limit values and biological exposure indices; Suppl. (6th Ed); 1997; 8 p

Hexachlorobenzene
Anonymous
Source: Environmental Health Criteria; 195; 1997; 141 p

Hexachlorobenzene
Anonymous

Hexachlorobenzene
Anonymous
Source: Beratergremium fuer umweltrelevante Altstoffe (BUA); 119; 1994; 257 p

Toxicological profile for Hexachlorobenzene
Anonymous
Source: Agency for Toxic Substances and Disease Registry U.S. Public Health Service; 1996; 263 p

Hexachlorobenzene
Anonymous
Source: Canadian Environmental Protection Act; 1993; 52 p

Hexachlorobenzene (Group 2B)
Anonymous
Source: IARC Monographs on the evaluation of the carcinogenic risk of chemicals to humans; Suppl. 7; 1987; 219-20

Integrated criteria document chlorobenzenes. Effects.
Hesse JM; Speijers GJ; Taalman RD
Source: National Institute for Public Health and Environmental Protection (RIVM), the Netherlands; Appendix to report No 710401015; 1991; 129 p

Integrated criteria document chlorobenzenes
Slooff W; Bremmer HJ; Hesse JM; Matthijsen AJ
Source: National Institute for Public Health and Environmental Protection (RIVM), the Netherlands; Report No 710401015; 1991; 135 p

September, 2000
Chlorinated benzenes
Anonymous
Source: Canadian Water Quality Guidelines; 1991

Health-based recommended occupational exposure limits for hexachlorobenzene
Dutch expert committee for occupational standards
Source: Directorate-General of Labour, the Netherlands; RA 2/88; 1988; 73 p

Ambient water quality criteria for chlorinated benzenes
EPA working group
Source: Environmental protection agency; EPA-440/5-80-028; 1980; 216 p

Epa working group
Source: Environmental Protection Agency; EPA-600/8-84-015F; 1985; 606p

Hexachlorobenzene
Anonymous
Source: IARC monographs on the Evaluation of the Carcinogenic risk of chemicals to humans; 20; 1979; 155-78

The role of the immune system in hexachlorobenzene-induced toxicity.
Author: Michielsen Carola CPPC; van Loveren Henk; Vos Joseph G(a)
Author Address: (a)Laboratory for Pathology and Immunobiology, National Institute of Public Health and the Environment, Anthonie van Leeuwenhoeklaan 9, 3721 MA, Bilthoven, Netherlands
Document Type: Literature Review

Hexachlorobenzene as a possible major contributor to the dioxin activity of human milk.
Author: van Birgelen Angelique P J M(a)
Author Address: (a)NIEHS, P.O. Box 12233, MD B3-07, Research Triangle Park, NC 27709, USA
Document Type: Literature Review

The effects of hexachlorobenzene on mink in the Canadian environment: An ecological risk assessment.
Author: Moore Dwayne R J(a); Breton Roger L; Lloyd Karen
Author Address: (a)Cadmus Group, 411 Roosevelt Avenue, Suite 204, Ottawa, ON K2A 3X9, Canada
Document Type: Literature Review

Bioavailability of Reductive Dechlorination of Hexachlorobenzene Sorbed to an Estuarine Sediment
Prytula, Mark T.; Pavlostathis, Spyros G., Georgia Institute of Technology, Atlanta
Bioremediation of Nitroaromatic and Haloaromatic Compounds (Battelle) v5, n7, p259(6) 1999
Distribution of PCB Congeners, DDE, Hexachlorobenzene, and Methylsulfonyl Metabolites of PCB and DDE Among Various Fractions of Human Blood Plasma
Noren, K., Karolinska Institutet, Stockholm, Sweden; Weistrand, C.; Karpe, F.
Arch Environ Contam Toxicol v37, n3, p408(7)
Oct 99

Diffusion and Sorption of Hexachlorobenzene in Sediments and Saturated Soils
Deane, Geoffrey, University of California, Santa Barbara; Chroneer, Zenitha; Lick, Wilbert
J Environ Eng-ASCE v125, n8, p689(8)
Aug 99

Effect of Tween Surfactants on Methanogenesis and Microbial Reductive Dechlorination of Hexachlorobenzene
Yeh, Daniel H., Georgia Institute of Technology, Atlanta; Pennell, Kurt D.; Pavlostathis, Spyros G.
Environ Toxicol Chem v18, n7, p1408(9)
Jul 99

Health Effects of Chronic High Exposure to Hexachlorobenzene in a General Population Sample
Sala, Maria, Universitat Autonoma de Barcelona, Barcelona, Spain; Sunyer, Jordi; Otero, Raquel; Santiago-Silva, Mary; Ozalla, Dolores; Herrero, Carme; To-Figueras, Jordi
Arch Environ Health v54, n2, p102(8)
Mar-Apr 99

Tissue Distribution of Planar and Non-Planar Chlorobiphenyls, 4,4'-DDE and Hexachlorobenzene in Sheep and Lambs
Jan, J., University of Ljubljana, Slovenia; Vrecl, M.; Pogacnik, A.; Bavdek, S. V.
Chemosphere v38, n11, p2607(6)
May 99

Microbial Dechlorination of Hexachlorobenzene in Anaerobic Sewage Sludge
Yuan, S. Y., National Institute of Environ Analysis, Taipei, Taiwan; Su, C. J.; Chang, B. V.
Chemosphere v38, n5, p1015(9)
Feb 99

Thermogravimetric Study of Thermal Decontamination of Soils Polluted by Hexachlorobenzene, 4-Chlorobiphenyl, Naphthalene, or n-Decane
Risoul, Veronique, Universite de Haute-Alsace, Mulhouse, France; Pichon, Claire; Trouve, Gwenaelle; Peters, William A.; Gilot, Patrick; Prado, Gilles
J Hazard Mater v64, n3, p295(17)
Feb 15, 99

Hexachlorobenzene as a Possible Major Contributor to the Dioxin Activity of Human Milk
van Birgelen, Angelique P. J. M., NIEHS, Research Triangle Park, NC
Environ Health Perspec v106, n11, p683(6)
Nov 98

September, 2000
Sediment Toxicity Evaluation for Hexachlorobenzene: Spiked Sediment Tests with Leptoecheirus plumulosus, Hyalella azteca, and Chironomus tentans
Fuchsman, P. C., McLaren/Hart-ChemRisk, Cleveland, OH; Barber, T. R.; Sheehan, P. J.
Arch Environ Contam Toxicol v35, n4, p573(7)
Nov 98

Assessment of Metal Inhibition of Reductive Dechlorination of Hexachlorobenzene at a Superfund Site
Jackson, W. Andrew; Pardue, John H., Louisiana State University, Baton Rouge
Environ Toxicol Chem v17, n8, p1441(6)
Aug 98

Biotransformation of Hexachlorobenzene by Anaerobic Enriched Cultures
Kim, In S., Kwangju Institute of Science and Technology, Korea; Ishii, Hirokazu; Sayles, Gregory D.; Kupferle, Margaret J.; Huang, Tiehong L.
Bioremediation and Phytoremediation: Chlorinated and Recalcitrant Compounds (Battelle) p167(7)
1998

Effect of Tween Surfactants on the Microbial Reductive Dechlorination of Hexachlorobenzene
Yeh, Daniel H., Georgia Institute of Technology, Atlanta; Pennell, Kurt D.; Pavlostathis, Spyros G.
Bioremediation and Phytoremediation: Chlorinated and Recalcitrant Compounds (Battelle) p115(6)
1998

Short-Term Toxicity of Lindane, Hexachlorobenzene, and Copper Sulfate to Tubificid Sludgeworms (Oligochaeta) in Artificial Media
Meller, Michael, ECT Oekotoxikologie GmbH, Florsheim, Germany; Egeler, P.; Rombke, J.; Schallnass, H.; Nagel, R.; Streit, B.
Ecotoxicol Environ Saf v39, n1, p10(11)
Jan 98

Toxicity of Hexachlorobenzene to Hyalella azteca and Chironomus tentans in Spiked Sediment Bioassays
Barber, Timothy R., ChemRisk, Cleveland, OH; Fuchsman, Phyllis C.; Chappie, Daniel J.; Sferra, James C.; Newton, F. Charles; Sheehan, Patrick J.
Environ Toxicol Chem v16, n8, p1716(5)
Aug 97

Bioenhancement of Soil Microorganisms in Natural Surfactant Solutions. III. Effect of Hexachlorobenzene
Kommalapati, Raghava R., (Louisiana State University, Baton Rouge); Roy, Dipak, (Polytechnic University, Brooklyn, NY)
1997
The Effects of Hexachlorobenzene on Mink in the Canadian Environment: an Ecological Risk Assessment
Moore, Dwayne R. J., Cadmus Group, Ottawa, ON, Canada; Breton, Roger L.; Lloyd, Karen
Environ Toxicol Chem v16, n5, p1042(9)
May 97

Metabolism of Hexachlorobenzene in Humans: Association between Serum Levels and Urinary Metabolites in a Highly Exposed Population
To-Figueras, Jordi, University of Barcelona, Spain; Sala, Maria; Otero, Raquel; Barrot, Carme; Santiago-Silva, Mary; Rodamilans, Miquel; Herrero, Carme
Environ Health Perspec v105, n1, p78(6)
Jan 97

Surfactant Solubilization of Hydrophobic Compounds in Soil and Water-II. The Role of Dodecylsulphate-Soil Interactions for Hexachlorobenzene
Paya-Perez, Ana B., EU Joint Research Center, Ispra, Italy; Rahman, Mohammed S.; Skejo-Andresen, Helle; Larsen, Bo R.
Environ Sci Pollut Res Int v3, n4, p183(6)
1996

Transfer of Planar and Non-Planar Chlorobiphenyls, 4,4'-DDE and Hexachlorobenzene from Blood to Milk and to Suckling Infants
Vrecl, M., University of Ljubljana, Slovenia; Jan, J.; Pogacnik, A.; Bavdek, S. V.
Chemosphere v33, n11, p2341(6)
Dec 96

Bioaccumulation and Toxicity of Hexachlorobenzene in Chlorella vulgaris and Daphnia magna
Munoz, Maria J., CISA-INIA, Madrid, Spain; Ramos, Carmen; Tarazona, Jose V.
Aquat Toxicol v35, n3-4, p211(10)
Oct 96

Evaluation of PCB and Hexachlorobenzene Biota-Sediment Accumulation Factors Based on Ingested Sediment in a Deposit-Feeding Clam
Boese, Bruce L., EPA, Newport, OR; Lee, Henry, II; Specht, David T.; Pelletier, Judith; Randall, Robert
Environ Toxicol Chem v15, n9, p1584(6)
Sep 96

Baseline Contamination Assessment for a New Resource Recovery Facility in Germany Part IV: Atmospheric Concentrations of Polychlorinated Biphenyls and Hexachlorobenzene
Kaupp, Heike, University of Bayreuth, Germany; Dorr, Gisela; Hippelein, Martin; McLachlan, Michael S.; Hutzinger, Otto
Chemosphere v32, n10, p2029(14)
May 96
Benzo(a)pyrene Hydroxylase and Glutathione S-Transferase Activities as Biomarkers in Lymnaea palustris (Mollusca, Gastropoda) Exposed to Atrazine and Hexachlorobenzene in Freshwater Mesocosms
Baturo, Wojciech; Lagadic, Laurent, URA CNRS, Orsay, France
Environ Toxicol Chem v15, n5, p771(11)
May 96

Effects of Colloids, Flocculation, Particle Size, and Organic Matter on the Adsorption of Hexachlorobenzene to Sediments
Tye, Robert, University of California, Santa Barbara; Jepsen, Rich; Lick, Wilbert
Environ Toxicol Chem v15, n5, p643(9)
May 96

Parameters Affecting the Adsorption of Hexachlorobenzene to Natural Sediments
Jepsen, Rich, University of California, Santa Barbara; Borglin, Sharon; Lick, Wilbert; Swackhamer, Deborah L.
Environ Toxicol Chem v14, n9, p1487(11)
Sep 95

Study of the Thermal Degradation of Hexachlorobenzene in the Presence of a Hydrogen Donor (CH4)
El Mejdoub, N., (Universite Ibn Tofail, Kenitra, Morocco); Delfosse, L., (Ecole Nationale Superieure de Chimie de Mulhouse, France)
Hazard Waste Hazard Mater v12, n2, p119(14)
Spring 952qr

Responses of Biotransformation and Antioxidant Enzymes in Lemna minor and Oncorhynchus mykiss Exposed Simultaneously to Hexachlorobenzene
Roy, Sashwati, University of Kuopio, Finland; Lindstrom-Seppa, Pirjo; Huuskonen, Sirpa; Hanninen, Osmo
Chemosphere v30, n8, p1489(10)
Apr 95

Comparative hepatocarcinogenicity of hexachlorobenzene, pentachlorobenzene, 1,2,4,5-tetrachlorobenzene, and 1,4-dichlorobenzene: Application of a medium-term liver focus bioassay and molecular and cellular indices.
Author: Gustafson Daniel L; Long Michael E; Thomas Russell S; Benjamin Stephen A; Yang Raymond SH(a)
Author Address: (a)Department of Environmental Health, Colorado State University, Fort Collins, CO, 80523-1680, USA
Journal: Toxicological Sciences 53 ( 2 ) : p 245-252 Feb., 2000

CYP1A2 is essential in murine uroporphyria caused by hexachlorobenzene and iron.
Author: Sinclair Peter R(a); Gorman Nadia; Walton Heidi S; Bement William J; Dalton Timothy P; Sinclair Jacqueline F; Smith Andrew G; Nebert Daniel W
Author Address: (a)VA Hospital (151), White River Junction, VT, 05009, USA
The pesticide hexachlorobenzene induces alterations in the human erythrocyte membrane.
Author: Suwalsky Mario(a); Rodriguez Claudia; Villena Fernando; Aguilar Felipe; Sotomayor Carlos P
Author Address: (a)Faculty of Chemical Sciences, University of Concepcion, Concepcion, Chile

Distribution of PCB congeners, DDE, hexachlorobenzene, and methylsulfonyl metabolites of PCB and DDE among various fractions of human blood plasma.
Author: Noren K(a); Weistrand C; Karpe F
Author Address: (a)Department of Medical Biochemistry and Biophysics, Karolinska Institutet, S-171 77, Stockholm, Sweden

Dechlorination of hexachlorobenzene on MWI fly ash.
Author: Stach Jan; Pekarek Vladimir(a); Endrst Rene; Heflejs Jiri
Author Address: (a)Institute of Chemical Process Fundamentals, Rozvojova 135, 165 02, Praha 6, Czech Republic

Hexachlorobenzene, a dioxin-type compound, increases malic enzyme gene transcription through a mechanism involving the thyroid hormone response element.
Author: Loaiza-Perez Andrea I; Seisdedos Maria-Teresa; Kleiman de Pisarev Diana L; Sancovich Horacio A; Randi Andrea S; Ferramola de Sancovich Ana M; Santisteban Pilar(a)
Author Address: (a)Instituto de Investigaciones Biomedicas (CSIC-UAM), Arturo Duperier No. 4, 28029, Madrid, Spain

Fish tissue residue-based toxicity reference values for chlordane, DDT, dieldrin, endrin, hexachlorobenzene, mercury, and PCBS for piscivorous wildlife.
Author: Henry Tala R(a); Bradbury Steven P(a)
Author Address: (a)Mid-Continent Ecology Division, U. S. Environmental Protection Agency, 6201 Congdon Blvd., Dulut, USA
Conference/Meeting: 218th National Meeting of the American Chemical Society, Parts 1 and 2 New Orleans, Louisiana, USA August 22-26, 1999
Sponsor: American Chemical Society

Porphyrin status in aluminum foundry workers exposed to hexachlorobenzene and octachlorostyrene.
Author: Selden Anders I(a); Floderus Ylva; Bodin Lennart S; Westberg Hakan B; Thunell Stig
Author Address: (a)Department of Occupational and Environmental Medicine, Orebro Medical Centre Hospital, SE-701 85, Sweden
Effect of hexachlorobenzene on NADPH-generating lipogenic enzymes and L-glycerol-3-phosphate dehydrogenase in brown adipose tissue.

Author: Alvarez L; Randi A; Alvarez P; Kolliker Frers R; Kleiman de Pisarev D L

Author Address: (a)Departamento de Bioquimica Humana, Facultad de Medicina, Universidad de Buenos Aires, Vidal 2483, Argentina


Health effects of chronic high exposure to hexachlorobenzene in a general population sample.

Author: Sala Maria(a); Sunyer Jordi; Otero Raquel; Santiago-Silva Mary; Ozalla Dolors; Herrero Carme; To-Figueras Jordi; Kogevinas Manolis; Anto Josep M; Camps Carles; Grimalt Joan

Author Address: (a)Institut Municipal d'Investigacio Medica, c/Doctor Aiguader, 80, 08003, Barcelona, Spain

Journal: Archives of Environmental Health 54 (2): p 102-109 March-April, 1999

Thermogravimetric study of thermal decontamination of soils polluted by hexachlorobenzene, 4-chlorobiphenyl, naphthalene, or eta-decane.

Author: Risoul Veronique; Pichon Claire; Trouve Gwenaelle; Peters William A; Gilot Patrick; Prado Gilles

Author Address: Lab. Gestion des Risques Environ., Ecole Natl. Superieure Chimie Mulhouse, Univ. Haute-Alsace, 25 ru, France


Effect of thioctamide combined with hexachlorobenzene action.

Author: Vilas G L(a); Ureta D; Sanchez Garcia M C; Aldonatti C(a); San Martin De Viale L C(a); Rios De Molina M C

Author Address: (a)Dpto. de Quim. Biol., Fac. de Cienc. Exactas y Nat., Univ. de Buenos Aires, Ciudad Univ., 1428 B, Argentina


Sediment toxicity evaluation for hexachlorobenzene: Spiked sediment tests with Leptocheirus plumulosus, Hyalella azteca and Chironomus tentans.

Author: Fuchshman P C(a); Barber T R; Sheehan P J

Author Address: (a)McLaren/Hart-ChemRisk, 5900 Landerbrook Drive, Cleveland, OH 44124, USA


Polymorphonuclear phagocytosis and killing in workers occupationally exposed to hexachlorobenzene.

Author: Queiroz Mary L S(a); Quadros Marlene R; Valadares Marize C; Silveira Josiane P

Author Address: (a)Dep. Pharmacol./Hemocentre, Fac. Med. Sci., Univ. Campinas, PO Box 6111, CEP 113084-100, Campina, Brazil


September, 2000
Evaluation of reproductive outcomes in women inadvertently exposed to hexachlorobenzene in southeastern Turkey in the 1950s.

Author: Jarrell John(a); Gocmen Ayhan; Foster Warren; Brant Rollin; Chan Siu; Sevcik Margaret

Author Address: (a)Calgary Regional Health Authority, 1035-7 Ave. SW, Calgary, AB T2P 3E9, Canada


Assessment of metal inhibition of reductive dechlorination of hexachlorobenzene at a superfund site.

Author: Jackson W Andrew(a); Pardue John H

Author Address: (a)Dep. Civil Environ. Eng., Louisiana State Univ., Baton Rouge, LA 70803-7511, USA


Immunoglobulin levels in workers exposed to hexachlorobenzene.

Author: Queiroz M L S(a); Bincoletto C; Perlingeiro R C R; Quadros M R; Souza C A

Author Address: (a)Dep. Pharmacol., State Univ. Campinas, Fac. Med. Sci., UNICAMP, PO Box 6111, CEP 13084-100, Camp, Brazil


Short-term toxicity of lindane, hexachlorobenzene, and copper sulfate to tubificid sludgeworms (Oligochaeta) in artificial media.

Author: Meller Michael(a); Egeler P; Roembke J; Schallnass H; Nagel R; Streit B

Author Address: (a)ECT Oekotoxikologie GmbH, Boettgerstrasse 2-14, D-65439 Floersheim/M, Germany

7 MIREX

A mass balance and historical contamination profile of mirex in Lake Ontario ecosystem.

Book Title: 40th Conference of the International Association for Great Lakes Research

Author: Zhang X; Gobas F A P C

Book Author/Editor: Anonymous

Author Address: Sch. Resource and Environmental Management, Simon Fraser Univ., Burnaby, BC V5A 1S6, Canada

Book Publisher: University of Buffalo, Great Lakes Center, Buffalo State College, 1300 Elnweed Avenue, Buffalo, New York 14222, USA

Conference/Meeting: 40th Conference of the International Association for Great Lakes Research Buffalo, New York, USA June 1-5, 1997

Sponsor: International Association for Great Lakes Research

ATSDR evaluation of health effects of chemicals: II. Mirex and chlordecone: Health effects, toxicokinetics, human exposure, and environmental fate.

Author: Faroon Obaid M(a); Kueberuwa Steven; Smith Lester; Derosa Christopher

Author Address: (a)Agency Toxic Substances Dis. Registry, 1600 Clifton Rd., Atlanta, GA 30333, USA


Document Type: Literature Review

Toxicological profile for Mirex and Chlordecone

Anonymous

Source: Agency for Toxic Substances and Disease Registry U.S. Public Health Service; 1995; 333 p

Health effects assessment for mirex

EPA working group

Source: Environmental protection agency; EPA/600/8-88/046; 1987; 49 p

Mirex

Anonymous

Source: Canadian water quality guidelines; 1987

Toxicology and carcinogenesis studies of Mirex in F344/N rats (feed studies)

NTP working group

Source: National Toxicology Program Technical Report Series; 313; 1990; 140 p

Mirex

WHO Working Group

Source: Environmental Health Criteria; 44; 1984; 70 p
Mirex
Anonymous
Source: IARC monographs on the Evaluation of the Carcinogenic risk of chemicals to humans; 20; 1979; 283-301

Mirex
Anonymous
Source: IARC monographs on the Evaluation of the Carcinogenic risk of chemicals to humans; 5; 1974; 203-10

Risk of Intoxication with Sulfluramid in a Packing Plant of Mirex-S
Machado-Neto, J. G., Sao Paulo State University, Brazil; Queiroz, M. E. C.; Carvalho, D.; Bassini, A. J.
Bull Environ Contam Toxicol v62, n5, p515(5)
May 99

Blood PCB, p,pmin-DDE, and Mirex Levels in Great Lakes Fish and Waterfowl Consumers In Two Ontario Communities
Kearney, Jill P., Health Canada, Ottawa, Ontario, Canada; Cole, Donald C.; Ferron, Liliane A.; Weber, Jean-Philippe
Environ Res v80, n2 (Part 2), pS138(12)
Feb 99

Salmonine Consumption as a Source of Mirex in Human Breast Milk Near Rochester, New York
Madden, Anna B.; Makarewicz, Joseph C., SUNY Brockport, New York
J Gt Lakes Res v22, n4, p810(8)
1996

Binding Effects on Humic-Mediated Photoreaction: Intrahumic Dechlorination of Mirex in Water
Burns, Susan E., SUNY, Syracuse; Hassett, John P.; Rossi, Maura V.
Environ Sci Technol v30, n10, p2934(8)
Oct 96

Modelling the Fate of PCBs and Mirex in Aquatic Ecosystems Using the TOXFATE Model
Halfon, Efream; Allan, Rod J., National Water Research Institute, Burlington, ON
Environ Int v21, n5, p557(13)
1995

A Screening-Level Mass Balance Analysis of Mirex Transport and Fate in the Oswego River
Velleux, Mark, SUNY, Buffalo, NY; Burns, Susan; DePinto, Joseph V.; Hassett, John P.
J Gt Lakes Res v21, n1, p95(17)
1995
A Lake Ontario-Gulf of St. Lawrence Dynamic Mass Budget for Mirex
Comba, Michael E., Natl Water Research Inst, ON, Canada; Norstrom, Ross J.; Macdonald, Colin R.; Kaiser, Klaus L. E.
Environ Sci Technol v27, n10, p2198(9)
Oct 93

Uptake and Retention of Mirex by Fish Maintained on Formulated and Natural Diets in Lake Ontario Waters
Makerewicz, Joseph C., State Univ of New York, Brockport; Buttner, Joseph K.; Lewis, Theodore W.
Progr Fish-Culturist v55, n3, p163(6)
Jul 93

Mirex in the North American Great Lakes: New Detections and Their Confirmation
Sergeant, David B., Canada Centre for Inland Waters, Burlington, ON; Munawar, Mohiuddin; Hodson, Peter V.; Bennie, Donald T.; Huestis, Susan Y.
J Gt Lakes Res v19, n1, p145(13)
1993

Fugacity and Phase Distribution of Mirex in Oswego River and Lake Ontario Waters
Yin, Chengqing, (Academia Sinica, Beijing, China); Hassett, John P., (SUNY, Syracuse)
Chemosphere v19, n8-9, p1289(8)
1989

Upstream Transport of Mirex by Migrating Salmonids
Scrudato, Ronald J.; McDowell, William H., SUNY, Oswego
Can J Fish Aquat Sci v46, n9, p484(5)
Sep 89

Modeling of Mirex Loadings to the Bottom Sediments of Lake Ontario Within the Niagara River Plume
Halfon, Efraim, Canada Centre for Inland Waters
J Gt Lakes Res v13, n1, p18(6)
1987

Export of Mirex from Lake Ontario to the St. Lawrence Estuary
Lum, Ken R., Natl Water Research Inst, Canada; Kaiser, Klaus L.; Comba, Mike E.
Sci Total Environ v67, n1, p41(11)
Nov 87

The Human Body Burden of Mirex in the Southeastern United States
Kutz, F.W., EPA, DC; Strassman, S.C.; Stroup, C.R.; Carra, J.S.; Leinninger, C.C.; Watts, D.L.; Sparacino, C.M.
J Toxicol Environ Health v15, n3-4, p385(10)
1985
Temperature Effect on the Elimination of Pentachlorophenol, Hexachlorobenzene and Mirex by Rainbow Trout (Salmo Gairdneri)
Niimi, A.J., Canada Centre for Inland Waters, Canada; Palazzo, V.
Water Res v19, n2, p205(3)
1985

Mirex Residues in Seven Groups of Aquatic and Terrestrial Mammals
Hill, Edward P., Auburn Univ; Dent, Donald M.
Arch Environ Contam Toxicol v14, n1, p7(6)
Jan 85

Levels of Polychlorinated Biphenyls (PCBs), DDE, and Mirex in Waterfowl Collected in New York State, 1981-1982
Kim, Himi T., SUNY, Albany; Kim, Kihyun S.; Kim, Jai S.; Stone, Ward B.
Arch Environ Contam Toxicol v14, n1, p13(6)
Jan 85

Blood PCB, p,p'-DDE, and mirex levels in Great Lakes fish and waterfowl consumers in two Ontario communities.
Author: Kearney Jill P(a); Cole Donald C; Ferron Liliane A; Weber Jean-Philippe
Author Address: (a)Health Canada, Ottawa, ON, Canada

Trans-nonachlor, octachlorostyrene, mirex and photomirex in Antarctic seabirds.
Author: Van Den Brink Nico W; De Ruiter-Dijkman Elze M
Author Address: Inst. Forestry Nature Res., PO Box 23, NL-6700 AA Wageningen, Netherlands

Evidence that Mirex promotes a unique population of epidermal cells that cannot be distinguished by their mutant Ha-ras genotype.
Author: Kim Tae-Won; Porter Karen L; Foley Julie F; Maronpot Robert R; Smart Robert C(a)
Author Address: (a)Molecular Cellular Toxicol., Dep. Toxicol., Campus Box 7633, North Carolina State Univ., Raleigh, USA

Mechanistic implications of the intrahumic dechlorination of mirex.
Author: Burns Susan E(a); Hassett John P; Rossi Maura V
Author Address: (a)Dep. Chemistry, Western Michigan University, Kalamazoo, MI 49008, USA

Salmonine consumption as a source of mirex in human breast milk near Rochester, New York.
Author: Madden Anna Brooks; Makarewicz Joseph C
Author Address: Dep. Biological Sci., SUNY Brockport, Brockport, NY 14420, USA
Binding effects on humic-mediated photoreaction: Intrahumic dechlorination of mirex in water.
Author: Burns Susan E(a); Hassett John P; Rossi Maura V
Author Address: (a)Dep. Chem., Western Michigan Univ., Kalamazoo, MI 49008, USA

Accelerated malignant conversion of mouse skin tumors co-promoted by mirex and 12-O-tetradecanoylphorbol-13-acetate.
Author: Meyer S A; Smart R C
Author Address: Dep. Toxicol., North Carolina State Univ., Raleigh, NC 27695-7633, USA
Conference/Meeting: 87th Annual Meeting of the American Association for Cancer Research
Washington, D.C., USA April 20-24, 1996

Using ratios of stable nitrogen and carbon isotopes to characterize the biomagnification of DDE, mirex, and PCB in a Lake Ontario pelagic food web.
Author: Kiriluk Richard M(a); Servos Mark R(a); Whittle D Michael(a); Cabana Gilbert; Rasmussen Joseph B
Author Address: (a)Dep. Fisheries Oceans, Great Lakes Lab. Fisheries Aquatic Sci., Burlington, ON L7R 4A6, Canada
Journal: Canadian Journal of Fisheries and Aquatic Sciences 52 (12): p 2660-2674 1995

Modelling the fate of PCBs and Mirex in aquatic ecosystems using the TOXFAte model.
Author: Halfon Efraim; Allan Rod J
Author Address: Natl. Water Res. Inst., Canada Cent. for Inland Waters, Burlington, ON L7R 4A6, Canada

Lack of effect of retinoic acid and fluocinolone acetonide on mirex tumor promotion indicates a novel mirex mechanism.
Author: Kim Tae-Won; Smart Robert C(a)
Author Address: (a)Dep. Toxicol., North Carolina State Univ., Raleigh, NC 27695-7633, USA

A Screening-Level Mass Balance Analysis of Mirex Transport and Fate in the Oswego River.
Author: Velleux Mark(a); Burns Susan; Depinto Joseph V; Hassett John P
Author Address: (a)Wisconsin Dep. Nat. Resour., Bureau Water Resour. Management WR/2, PO Box 7921, Madison, WI 5370, USA
Different mutant c-Ha-ras gene dosages in mouse epidermal cell lines isolated identically from a single mirex plus 12-O-tetradecanoylphorbol-13-acetate co-promoted squamous cell carcinoma.

Author: Meyer S A; Smart R C
Author Address: Dep. Toxicol., North Carolina State Univ., Raleigh, NC 27695-7633, USA

Conference/Meeting: 85th Annual Meeting of the American Association for Cancer Research San Francisco, California, USA April 10-13, 1994

Minimal role of enhanced cell proliferation in skin tumor promotion by mirex: A nonphorbol ester-type promoter.

Author: Meyer Sharon A; Moser Glenda J; Monteiro-Riviere Nancy A; Smart Robert C(a)
Author Address: (a)Box 7633, Dep. Toxicol., North Carolina State Univ., Raleigh, NC 27695-7633, USA

Uptake and retention of mirex by fish maintained on formulated and natural diets in Lake Ontario waters.

Author: Makarewicz Joseph C; Buttner Joseph K(a); Lewis Theodore W
Author Address: (a)Cent. Applied Aquatic Sci. and Aquaculture, Dep. Biological Sci., State Univ. New York at Brockp, USA

A Lake Ontario-Gulf of St. Lawrence dynamic mass budget for mirex.

Author: Comba Michael E(a); Norstrom Ross J; MacDonald Colin R; Kaiser Klaus L E
Author Address: (a)Nearshore-Offshore Interactions Project, Lakes Res. Branch, National Water Res. Inst., Burlington, Canada


Author: Sergeant David B; Munawar Mohiuddin; Hodson Peter V; Bennie Donald T; Huestis Susan Y
Author Address: Great Lakes Lab., Fisheries Aquatic Sciences, Fisheries Oceans Can., Can. Centre Inland Waters, Box , Canada

Mirex: Photomirex relationships in Lake Ontario.

Author: Mudambi Anand R(a); Hassett John P; McDowell William H; Scrudato Ronald J
Author Address: (a)US Army Crops Engineers, New England Division, Environmental Lab., Hubbardston, Mass. 01452
8 TOXAPHENE

Distribution of toxaphene congeners in fish community food webs throughout the Great Lakes basin.
**Book Title:** 41st Conference of the International Association for Great Lakes Research
**Author:** Whittle D M; Kiriluk R M; Keir M J; Carswell A A
**Book Author/Editor:** INTERNATIONAL ASSOCIATION FOR GREAT LAKES RESEARCH
**Author Address:** Dep. Fisheries Oceans, Great Lakes Lab. Fisheries Aquatic Sci., Burlington, ON L7R 4A6, Canada
**Book Publisher:** International Association for Great Lakes Research, Ann Arbor, Michigan, USA
**Conference/Meeting:** Meeting Hamilton, Ontario, Canada May 18-22, 1998
**Sponsor:** International Association for Great Lakes Research

Atmospheric concentration of toxaphene at Eagle Harbor, Michigan.
**Book Title:** 41st Conference of the International Association for Great Lakes Research
**Author:** Glassmeyer S T(a); Brice K A; Hites R A
**Book Author/Editor:** INTERNATIONAL ASSOCIATION FOR GREAT LAKES RESEARCH
**Author Address:** (a)Indiana Univ., Sch. Public Environ. Affairs, Bloomington, IN 47405, USA
**Book Publisher:** International Association for Great Lakes Research, Ann Arbor, Michigan, USA
**Conference/Meeting:** Meeting Hamilton, Ontario, Canada May 18-22, 1998
**Sponsor:** International Association for Great Lakes Research

Air-water gas exchange of toxaphene and chiral pesticides in Lake Superior.
**Book Title:** 41st Conference of the International Association for Great Lakes Research
**Author:** Jantunen L M M; Bidleman T F; Wideman J
**Book Author/Editor:** INTERNATIONAL ASSOCIATION FOR GREAT LAKES RESEARCH
**Author Address:** Atmospheric Environ. Serv., 4905 Dufferin St., Downsview, ON M3H 5T4, Canada
**Book Publisher:** International Association for Great Lakes Research, Ann Arbor, Michigan, USA
**Conference/Meeting:** Meeting Hamilton, Ontario, Canada May 18-22, 1998
**Sponsor:** International Association for Great Lakes Research
Toxaphene in rainfall from Point Petre, Lake Ontario during 1995 and 1996.
Book Title: 41st Conference of the International Association for Great Lakes Research
Author: Burniston D A; Strachan W M J; Wilkinson R J; Brown L
Book Author/Editor: INTERNATIONAL ASSOCIATION FOR GREAT LAKES RESEARCH
Author Address: Natl. Water Res. Inst., Canada Cent. Inland Waters, Burlington, ON L7R 4A6, Canada
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Book Publisher: International Association for Great Lakes Research, Ann Arbor, Michigan, USA
Conference/Meeting: Meeting Hamilton, Ontario, Canada May 18-22, 1998
Sponsor: International Association for Great Lakes Research

Book Title: 41st Conference of the International Association for Great Lakes Research
Author: Swackhamer D L; Pearson R F; Schottler S P; Symonik D M
Book Author/Editor: INTERNATIONAL ASSOCIATION FOR GREAT LAKES RESEARCH
Author Address: Univ. Minnesota, Environ. Occup. Health, Box 807, Mayo Bldg., Minneapolis, MN 55455, USA
p 101-102 1998
Book Publisher: International Association for Great Lakes Research, Ann Arbor, Michigan, USA
Conference/Meeting: Meeting Hamilton, Ontario, Canada May 18-22, 1998
Sponsor: International Association for Great Lakes Research

Dynamics of toxaphene in Grand Traverse Bay, Lake Michigan.
Book Title: 41st Conference of the International Association for Great Lakes Research
Author: Jeremiason J D(a); Stapleton H M(a); Baker J E(a); Skubinna J
Book Author/Editor: INTERNATIONAL ASSOCIATION FOR GREAT LAKES RESEARCH
Author Address: (a)Chesapeake Biological Lab., Univ. Md., P.O. Box 38, Solomons, MD 20688, USA
p 47-48 1998
Book Publisher: International Association for Great Lakes Research, Ann Arbor, Michigan, USA
Conference/Meeting: Meeting Hamilton, Ontario, Canada May 18-22, 1998
Sponsor: International Association for Great Lakes Research
Source identification of toxaphene from profiles and patterns of chlorobornane congeners in sediment cores from large lakes.

**Book Title:** 41st Conference of the International Association for Great Lakes Research

**Author:** Stern G A(a); Lockhart W L(a); Evans M; Muir D C G

**Book Author/Editor:** INTERNATIONAL ASSOCIATION FOR GREAT LAKES RESEARCH

**Author Address:** (a)Freshwater Inst., Winnipeg, MB R3T 2N6, Canada

**Book Publisher:** International Association for Great Lakes Research, Ann Arbor, Michigan, USA

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**Sponsor:** International Association for Great Lakes Research


Environmental occurrence, analysis, and toxicology of toxaphene compounds.

**Author:** de Geus Henk-Jan(a); Besselink Harrie; Brouwer Abraham; Klungsoyr Jarle; McHugh Brendan; Nixon Eugene; Rimkus Gerhard G; Wester Peter G; de Boer Jacob

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**Journal:** Environmental Health Perspectives 107 ( SUPPL. 1 ): p 115-144 Feb., 1999

**Document Type:** Literature Review


Recent developments in the analysis and environmental chemistry of toxaphene with emphasis on the marine environment.

**Author:** Muir Derek C G(a); De Boer Jacob

**Author Address:** (a)Freshwater Inst., Dep. Fish. Oceans, Winnipeg, MB R3T 2N6, Canada


**Document Type:** Literature Review


Status and environmental impact of toxaphene in the third world: A case study of African agriculture.

**Author:** El-Sebae A H(a); Zeid M Abou; Saleh M A

**Author Address:** (a)Pesticides Dep., Fac. Agric., Alex. Univ., Chathy, Alex, Egypt

**Journal:** Chemosphere 27 ( 10 ): p 2063-2072 1993

**Document Type:** Literature Review


Toxicological profile for toxaphene

Anonymous

**Source:** Agency for Toxic Substances and Disease Registry U.S. Public Health Service; 1996; 211 p


Health effects assessment for toxaphene

EPA working group

**Source:** Environmental protection agency; EPA/600/8-88/056; 1987; 46 p


Chlorinated camphene

Anonymous

**Source:** ACGIH. Documentation of the threshold limit values and biological exposure indices; 6th ed; 1991; 247-9
Toxaphene
Anonymous
**Source:** Canadian water quality guidelines; 1987

Ambient water quality criteria for toxaphene-1986
EPA working group
**Source:** Environmental Protection Agency; EPA 440/5-86-006; 1986; 74 p

Campechlor
WHO Working Group
**Source:** Environmental Health Criteria; 45; 1984; 66 p

Toxaphene (polychlorinated camphenes)
Anonymous
**Source:** IARC monographs on the Evaluation of the Carcinogenic risk of chemicals to humans; 20; 1979; 327-48

Effects of toxaphene on the immune system of cynomolgus (Macaca fascicularis) monkeys. A pilot study.
**Author:** Tryphonas H(a); Bryce F; Huang J; Lacroix F; Hodgen M; Ladouceur D T; Hayward S
**Author Address:** (a)Food Directorate, Health Canada, PL2202D1, Tunney's Pasture, Ottawa, ON, K1A 0L2, Canada
**Journal:** Food and Chemical Toxicology. 38 ( 1 ): p 25-33 Jan., 2000

Levels of toxaphene congeners in fish from Danish waters.
**Author:** Fromberg Arvid(a); Cederberg Tommy; Hilbert Gudrun; Buchert Arne
**Author Address:** (a)Institute of Food Research and Nutrition, Danish Veterinary and Food Administration, Morkhoj Bygade 19, DK-2860, Soborg, Denmark
**Journal:** Chemosphere. 40 ( 9-11 ): p 1227-1232 May-June, 2000

Toxaphene congeners in the Canadian Great Lakes basin: Temporal and spatial food web dynamics.
**Author:** Whittle D M(a); Kiriluk R M; Carswell A A; Keir M J; MacEachen D C
**Author Address:** (a)Department of Fisheries and Oceans, Great Lakes Laboratory for Fisheries and Aquatic Sciences, Burlington, ON, L7R 4A6, Canada
**Journal:** Chemosphere. 40 ( 9-11 ): p 1221-1226 May-June, 2000

Rapid anaerobic degradation of toxaphene in sewage sludge.
**Author:** Buser Hans-Rudolf(a); Haglund Peter; Muller Markus D; Poiger Thomas; Rappe Christoffer
**Author Address:** (a)Swiss Federal Research Station, CH-8820, Wadenswil, Switzerland
**Journal:** Chemosphere. 40 ( 9-11 ): p 1213-1220 May-June, 2000

Toxaphene is antiestrogenic in a human breast-cancer cell assay.
**Author:** Arcaro Kathleen F(a); Yang Yi; Vakharia Dilip D; Gierthy John F
**Author Address:** (a)Wadsworth Laboratories, New York State Department of Health, Empire State Plaza, Albany, NY, 12201, USA
**Journal:** Journal of Toxicology and Environmental Health Part A 59 ( 3 ): p 197-210 Feb. 11, 2000
Atmospheric concentrations of toxaphene on the coast of Lake Superior.
Author: Glassmeyer Susan T; Brice Kenneth A; Hites Ronald A(a)
Author Address: (a)School of Public and Environmental Affairs and Department of Chemistry, Indiana University, Bloomington, IN, USA

Enantioselective determination of two persistent chlorobornane congeners in sediment from a toxaphene-treated Yukon Lake.
Author: Vetter Walter(a); Bartha Richard; Stern Gary; Tomy Gregg
Author Address: (a)Institut fuer Ernaehrung und Umwelt, Friedrich-Schiller-Universitaet Jena, Dornburger Strasse 25, D-07743, Jena, Germany

The relative estrogenic activity of technical toxaphene mixture and two individual congeners.
Author: Stelzer Andreas; Chan Hing Man(a)
Author Address: (a)Department of Natural Resource Sciences, McGill University, 21,111 Lakeshore Road, Sainte-Anne-de-Bellevue, PQ, H9X 3V9, Canada

Air-water exchange and mass balance of toxaphene in the Great Lakes.
Author: Swackhamer Deborah L(a); Schottler Shawn; Pearson Roger F
Author Address: (a)Environmental and Occupational Health, School of Public Health, University of Minnesota, Mayo Building, Minneapolis, MN, 55455, USA

Levels of organochlorines (DDT, PCBs, toxaphene, chlordane, dieldrin, and HCHs) in blubber of South African fur seals (Arctocephalus pusillus pusillus) from Cape Cross/Namibia.
Author: Vetter Walter(a); Weichbrodt Marion; Scholz Elke; Luckas Bernd; Oelschlaeger Herbert
Author Address: (a)Friedrich-Schiller-Universitaet Jena, Institut fuer Ernaehrungswissenschaften, Dornburger Str. 25, D-07743, Jena, Germany
Document Type: Article

Persistency of toxaphene components in mammals that can be explained by molecular modeling.
Author: Vetter Walter(a); Scherer Gerd
Author Address: (a)Department of Food Chemistry, Friedrich-Schiller-University Jena, Dornburger Str. 25, D-07743, Jena, Germany

Octanol/water partition coefficients of toxaphene congeners determined by the "slow-stirring" method.
Author: Fisk Aaron T; Rosenberg Bruno; Cymbalisty Chris D; Stern Gary A; Muir Derek C G(a)
Author Address: (a)National Water Research Institute, Environment Canada, 867 Lakeshore Road, Burlington, ON, L7R 4A6, Canada
Variation of toxaphene indicator compounds in fish from single fishing grounds: Conclusions for sampling.
Author: Karl Horst(a); Khandker Saifullah; Alder Lutz
Author Address: (a)Federal Research Centre for Fisheries, Institute for Biochemistry and Technology, Palmaille 9, D-22767, Hamburg, Germany

Two organochlorine pesticides, toxaphene and chlordane, are antagonists for estrogen-related receptor alpha-1 orphan receptor.
Author: Yang Chun; Chen Shiuan(a)
Author Address: (a)Division of Immunology, Beckman Research Institute of the City of Hope, Duarte, CA, 91010, USA

Long-term effects of toxaphene and depuration in lake trout and white sucker in a natural ecosystem.
Author: Delorme Peter D(a); Lockhart W Lyle; Mills Kenneth H; Muir Derek C G
Author Address: (a)Pest Management Regulatory Agency, Environmental Assessment Division, Health Canada, 2250 Riverside Drive, Ottawa, ON, K1A 0K9, Canada

Identification of chiral tracers of toxaphene: Application to air, lake water, and water from the tributaries of Lake Superior.
Author: Karlsson Heidi(a); Texiera Camilla(a); Strachan William M J(a); Burniston Deborah(a); Backus Sean(a); Muir Derek C G(a)
Author Address: (a)NWRI, Environment Canada, 867 Lakeshore Rd, Burlington, ON, L7R 4A6, Canada
Conference/Meeting: 218th National Meeting of the American Chemical Society, Parts 1 and 2 New Orleans, Louisiana, USA August 22-26, 1999
Sponsor: American Chemical Society

Are pulp and paper mills sources of toxaphene to Lake Superior and northern Lake Michigan?
Author: Shanks Kathryn E; McDonald Jeffrey G; Hites Ronald A(a)
Author Address: (a)School of Public and Environmental Affairs and Department of Chemistry, Indiana University, Bloo, USA

Toxaphene and other chlorinated compounds in human milk from northern and southern Canada: A comparison.
Author: Newsome W H(a); Ryan J J
Author Address: (a)Food Research Division, Bureau of Chemical Safety Food Directorate, Health Canada, PL2203D, Ross, Canada
Importance of air-water exchange to toxaphene in the Great Lakes.
Author: Swackhamer Deborah L; Pearson Roger; Symonik Daniel; Schottler Shawn
Author Address: Univ. Minn., Box 807, Mayo Bldg., Minneapolis, MN 55455, USA
Conference/Meeting: 217th National Meeting of the American Chemical Society Anaheim, California, USA March 21-25, 1999
Sponsor: American Chemical Society

The cosolvation transport of DDT and toxaphene in xylene at a pesticide formulation facility.
Author: Morrison Robert D; Newell A Evan
Author Address: R. Morrison and Assoc., Inc., 201 East Grand Avenue, Suite 2B, Escondido, CA 92025, USA

Selective persistence and bioaccumulation of toxaphene in a coastal wetland.
Author: Maruya K A; Vetter W; Wakeham S G; Francendese L
Author Address: Skidaway Inst. Oceanogr., 10 Ocean Science Circle, Savannah, GA 31411, USA
Conference/Meeting: 217th National Meeting of the American Chemical Society Anaheim, California, USA March 21-25, 1999
Sponsor: American Chemical Society

Air-water gas exchange of toxaphene and chiral pesticides in Lake Superior.
Author: Jantunen Liisa(a); Harner Tom; Wideman Janine; Bidleman Terry; Parkhurst William
Author Address: (a)Atmospheric Environ. Serv., 4905 Dufferin Street, Downsview, ON M3H 5T4, Canada
Conference/Meeting: 217th National Meeting of the American Chemical Society Anaheim, California, USA March 21-25, 1999
Sponsor: American Chemical Society

The use of a microsomal in vitro assay to study phase I biotransformation of chlorobornanes (toxaphene) in marine mammals and birds: Possible consequences of biotransformation for bioaccumulation and genotoxicity.
Author: Boon Jan P(a); Sleiderink Hedwig M; Helle Merijn S; Dekker Marlen; Van Schanke Arne; Roex Erwin; Hillebrand M Theo J; Klamer Hans J C; Govers Bas; Pastor Delors; Morse Dennis; Wester Peter G; De Boer Jacob
Author Address: (a)Neth. Inst. Sea Res., P.O. Box 59, 1790 AB Den Burg, Texel, Netherlands

Toxaphene in the Great Lakes.
Author: Swackhamer Deborah L(a); Pearson Roger F; Schottler Shawn P
Author Address: (a)Environmental and Occupational Health, Sch. Public Health, Box 807 Mayo Build., Univ. Minnesota., USA

September, 2000
Variety, structures, GC properties and persistence of compounds of technical toxaphene (CTTs).

Author: Vetter Walter(a); Scherer Gerd

Author Address: (a)Friedrich-Schiller-Univ. Jena, Inst. Ernaehrung and Umwelt, Dornburger Str. 25, D-07743 Jena, Germany


The Relative Estrogenic Activity of Technical Toxaphene and Two Individual Congeners

Stelzer, Andreas, McGill University, Ste-Anne-de-Bellevue, Quebec, Canada; Chan, Hing Man

Toxicol v138, n2, p69(12)

Nov 5, 99

Anaerobic Bioremediation of Toxaphene-Contaminated Soil

Allen, Harry L., EPA, Edison, NJ; Mandel, Robert M.; Torres, Michael; Crouse, Daniel G.; Miller, T. Ferrell

Phytoremediation and Innovative Strategies for Specialized Remedial Applications (Battelle) v5, n6, p89(6)

1999

Are Pulp and Paper Mills Sources of Toxaphene to Lake Superior and Northern Lake Michigan?

Shanks, Kathryn E., Indiana University, Bloomington; McDonald, Jeffrey G.; Hites, Ronald A.

J Great Lakes Res v25, n2, p383(12)

1999

Toxaphene and Other Chlorinated Compounds in Human Milk from Northern and Southern Canada: A Comparison

Newsome, W. H.; Ryan, J. J., Health Canada, Ottawa, ON

Chemosphere v39, n3, p519(8)

Aug 99

Environmental Occurrence, Analysis, and Toxicology of Toxaphene Compounds

de Geus, Henk-Jan, DLO-Netherlands Institute for Fisheries Research, IJmuiden; Besselink, Harrie; Brouwer, Abraham; Klungsoyr, Jarle; McHugh, Brendan; Nixon, Eugene; Rimkus, Gerhard G.

Environ Health Perspec Supplements v107, n1, p115(30)

Feb 99

The Cosolvation Transport of DDT and Toxaphene in Xylene at a Pesticide Formulation Facility

Morrison, Robert D.; Newell, A. E., R. Morrison & Associates, Escondido, CA

J Soil Contam v8, n1, p63(18)

Jan 99

Toxaphene in the Great Lakes

Swackhamer, Deborah L., University of Minnesota, Minneapolis; Pearson, Roger F.; Schottler, Shawn P.

Chemosphere v37, n9-12, p2545(17)

Oct-Nov 98
HRGC-ECD and HRGC-ECNI-SIM-HRMS Quantification of Toxaphene Residues by Six Environmentally Relevant Chlorobornanes as Standard
Kimmel, Lenka, Technical University of Munich, Freising-Weihenstephan, Germany; Angerhofer, Daniela; Gill, Udai; Coelhan, Mehmet; Parlar, Harun
Chemosphere v37, n3, p549(10)
Aug 98

Levels of Toxaphene Indicator Compounds in Fish Meal, Fish Oil and Fish Feed
Oetjen, Katrin; Karl, Horst, Federal Research Centre for Fisheries, Hamburg, Germany
Chemosphere v37, n1, p1(11)
Jul 98

Trends of Chlordane and Toxaphene in Ambient Air of Columbia, South Carolina
Bidleman, T. F., Atmospheric Environ Service, Downsview, ON, Canada; Alegria, H.; Ngabe, B.; Green, C.
Atmos Environ v32, n11, p1849(8)
Jun 98

Congener Specific PCB and Polychlorinated Camphene (Toxaphene) Levels in Svalbard Ringed Seals (Phoca hispida) in Relation to Sex, Age, Condition, and Cytochrome P450 Enzyme Activity
Wolkers, J., Akvaplan-niva, Tromso, Norway; Burkow, I. C.; Lydersen, C.; Dahle, S.; Monshouwer, M.; Witkamp, R. F.
Sci Total Environ v216, n1-2, p1(11)
May 14, 98

PCB/Toxaphene Group Separation on Silica Prior to Congener Specific Determination of Toxaphene Residues in Fish and Other Samples By GC/ECD
Krock, Bernd, Friedrich-Schiller-Universitat Jena, Germany; Vetter, Walter; Luckas, Bernd
Chemosphere v35, n7, p1519(12)
Oct 97

Anaerobic Degradation of Toxaphene in Soils: a Pilot Study
Camacho, JoAnn M., EPA, Edison, NJ; Joyner, William; Vemuri, Ramu; Holderness, Brian
Battelle/et al Fourth Int In Situ and On-Site Bioremediation Symp, New Orleans, LA v2, p251(6)
Apr 28-May 1, 97

Levels of Toxaphene Indicator Compounds in Fish
Alder, Lutz, Federal Institute for Health Protection of Consumers and Veterinary Medicine, Berlin, Germany; Beck, Hans; Khandker, S.; Karl, Horst; Lehmann, Ines
Chemosphere v34, n5-7, p1389(12)
Mar-Apr 97

Toxaphene, PCB, DDT, and Chlordane Analyses of Beluga Whale Blubber
Wade, Terry L., Texas A&M University, College Station; Chambers, Laura; Gardinali, Piero R.; Sericano, Jose L.; Jackson, Thomas J.; Tarpley, Raymond J.; Suydam, Robert
Chemosphere v34, n5-7, p1351(7)
Mar-Apr 97

September, 2000
4,5-Dichloro-Chlordene, a New Synthetic Internal Standard for the Quantification of Toxaphene and Chlordane Congeners in Fish from the Barents Sea and North Atlantic. Application and Experience
Karlsson, Heidi, Norwegian Institute for Air Research, Kjeller; Oehme, Michael; Klungsoyr, Jarle
Chemosphere v34, n5-7, p951(13)
Mar-Apr 97

Effect of Toxaphene on Reproduction of Fish
Fahraeus-Van Ree, Goverdina E., (Memorial University of Newfoundland, St. John's, Canada); Payne, Jerry F., (Department of Fisheries and Oceans, St. John's, NF, Canada)
Chemosphere v34, n4, p855(13)
Feb 97

Toxaphene in Great Lakes Fish: a Temporal, Spatial, and Trophic Study
Glassmeyer, Susan T., Indiana University, Bloomington; De Vault, David S.; Myers, Tanya R.; Hites, Ronald A.
Environ Sci Technol v31, n1, p84(5) Jan 97

Formation and Spectroscopic Investigation of Two Hexachlorobornanes from Six Environmentally Relevant Toxaphene Components by Reductive Dechlorination in Soil Under Anaerobic Conditions
Fingerling, Gerda, University of Kassel, Germany; Hertkorn, Norbert; Parlar, Harun
Environ Sci Technol v30, n10, p2984(9)
Oct 96

Structure Elucidation of a Main Heptachloro Congener of Toxaphene in Marine Organisms After Isolation from Melipax
Krock, Bernd, Friedrich-Schiller-Universitat, Jena, Germany; Vetter, Walter; Luckas, Bernd; Scherer, Gerd
Chemosphere v33, n6, p1005(15)
Sep 96

Characterization of Two Major Toxaphene Components in Treated Lake Sediment
Stern, G. A., Freshwater Institute, Winnipeg, MB, Canada; Loewen, M. D.; Miskimmin, B. M.; Muir, D. C. G.; Westmore, J. B.
Environ Sci Technol v30, n7, p2251(8)
Jul 96

Historical Input and Degradation of Toxaphene in Lake Ontario Sediment
Howdeshell, Michael J.; Hites, Ronald A., Indiana University, Bloomington
Environ Sci Technol v30, n1, p220(5)
Jan 96

Biodegradation of Toxaphene Under Methane Cometabolism and Denitrifying Conditions
Merkley, Brian W., ESCM and Associates Inc, Athens, GA; Hess, Lance; Shaw, Edward A.; Towe, Roger D.; Terry, Richard E.; Keith, Jeffrey D.; Mayo, Alan
Bioremediation of Recalcitrant Organics v7, p165(10) 1995
A Systematic Nomenclature System for Toxaphene Congeners Part 1: Chlorinated Bornanes
Andrews, Paul, (Health Canada, Ottawa, ON); Vetter, Walter, (Institut fur Ernahrung und Umwelt, Jena, Germany)
Chemosphere v31, n8, p3879(8)
Oct 95

Chlorobornanes in Sediments and Fish 30 Years After Toxaphene Treatment of Lakes
Miskimmin, Brenda M., University of Alberta, Edmonton, Canada; Muir, Derek C. G.; Schindler, David W.; Stern, Gary A.; Grift, Norbert P.
Environ Sci Technol v29, n10, p2490(6)
Oct 95

Toxaphene (Polychlorinated Camphenes) Analysis in Human Blood
Gill, U. S., Occupational and Environ Health Services, Ottawa, ON, Canada; Schwartz, H. M.; Wheatley, B.
Int J Environ Anal Chem v60, n2-4, p153(9) 1995

Trends of chlordane and toxaphene in ambient air of Columbia, South Carolina.
Author: Bidleman T F(a); Alegria H; Ngabe B; Green C
Author Address: (a)Atmospheric Environment Service, ARQP, 4905 Dufferin Street, Downsview, ON M3H 5T4, Canada

Levels of toxaphene indicator compounds in fish meal, fish oil and fish feed.
Author: Oetjen Katrin; Karl Horst

Chlorobornanes in water, sediment, and fish from toxaphene treated and untreated lakes in western Canada.
Author: Donald David B(a); Stern Gary A; Muir Derek C G; Fowler Brian R; Miskimmin Brenda M; Bailey Renata
Author Address: (a)Environment Canada, Room 300 Park Plaza, 2365 Albert Street, Regina, SK S4P 4K1, Canada

Congener specific PCB and polychlorinated camphene (toxaphene) levels in Svalbard ringed seals (Phoca hispida) in relation to sex, age, condition and cytochrome P450 enzyme activity.
Author: Wolkers J(a); Burkow I C; Lydersen C; Dahle S; Monshouwer M; Witkamp R F
Author Address: (a)Akvaplan-niva, N-9005 Tromso, Norway
Aroclor 1268 and toxaphene in fish from a southeastern U.S. estuary.
Author: Maruya Keith A(a); Lee Richard F
Author Address: (a)Skidaway Inst. Oceanography, 10 Ocean Science Circle, Savannah, GA 31411 , USA

High Concentrations of Toxaphene in Fishes from a Subarctic Lake
Kidd, Karen A., University of Alberta, Edmonton, Canada; Schindler, David W.; Muir, Derek C.; Lockhart, W. L.; Hesslein, Raymond H.
Science v269, n5221, p240(3)
Jul 14, 95

Toxaphene and Other Organochlorine Compounds in Air and Water at Resolute Bay, N.W.T., Canada
Bidleman, Terry F., Atmospheric Environ Service, Downsview, ON, Canada; Falconer, R. L.; Walla, Michael D.
Sci Total Environ v160-161, p55(9)
Jan 15, 95

HRGC-ECD and HRGC-ECNI-SIM-HRMS quantification of toxaphene residues by six environmentally relevant chlorobornanes as standard.
Author: Kimmel Lenka; Angerhoefer Daniela; Gill Udai; Coelhan Mehmet; Parlar Harun (a)
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9 HEPTACHLOR

Heptachlor and Heptachlor Epoxide
Anonymous

Health effects assessment for heptachlor
EPA working group
Source: Environmental protection agency; EPA/600/8-88/042; 1987; 47 p

Chlordane/heptachlor (Group 3)
Anonymous
Source: IARC Monographs on the evaluation of the carcinogenic risk of chemicals to humans; Suppl. 7; 1987; 146-8

Heptachlor epoxide
Anonymous
Source: Canadian water quality guidelines; 1987

Heptachlor
Anonymous
Source: Canadian water quality guidelines; 1987

Ambient water quality criteria for heptachlor
EPA working group
Source: Environmental Protection Agency; EPA 440/5-80-052; 1980

Heptachlor
FAO and WHO working groups

Heptachlor
WHO working group
Source: Environmental Health Criteria; 38; 1984; 81 p

Heptachlor
FAO and WHO working groups
Source: Pesticide residues in food. Toxicology evaluations; 111; 1991; 68-71

Chlordane and heptachlor
IARC working group
Source: IARC Monographs on the evaluation of the carcinogenic risk of chemicals to humans; 53; 1991; 115-75
Bioassay of Heptachlor for Possible Carcinogenicity
NCI Working Group

Source: National Cancer Institute Carcinogenesis Technical Report Series; 9; 1977

Heptachlor
Anonymous
Source: IARC monographs on the Evaluation of the Carcinogenic risk of chemicals to humans; 5; 1974; 173-91

Heptachlor and heptachlor epoxide
Anonymous
Source: IARC monographs on the Evaluation of the Carcinogenic risk of chemicals to humans; 20; 1979; 129-54

Ecological Toxicology And Human Health Effects Of Heptachlor
Author: Fendick E A; Mather-Mihaich E; Houck K A; St Clair M B; Faust J B; Rockwell C H; Owens M
Record Type: Review

Effect of the chlorinated hydrocarbons heptachlor, chlordane and toxaphene on retinoblastoma tumor suppressor in human lymphocytes.
Author: Rouht Steffney E; Yau Peter M; Chuang Linda F; Doi Roy H; Chuang Ronald Y (a)
Author Address: (a)Dep. Med. Pharmacol. Toxicol., Univ. Calif., Davis, CA 95661, USA

Residues of the organochlorine compounds lindane, heptachlor, aldrin, pp'DDE, pp'DDD y pp'DDT were determined in leaves of two species of mangrove (Rhizophora mangle and Avicennia germinans) from the Cienaga Grande de Santa Marta.
Author: Espinosa Luisa F(a); Campos Nestor H; Ramirez Gustavo(a)
Author Address: (a)INVEMAR, Apartado 1016, Santa Marta, Colombia
Language: Spanish; Non-English
Summary Language: Spanish; English

Behavioral and neurochemical actions of the insecticide heptachlor and their relation to environmentally-induced parkinsonism.
Author: Kirby M L; Bloomquist J R
Author Address: Dep. Entomology, Virginia Polytechnic Inst. and State Univ., Blacksburg, VA 24061, USA
Inhibition of gap junctional intercellular communication in heptachlor- and heptachlor epoxide-treated normal human breast epithelial cells.
Author: Nomata K; Kang K-S; Hayashi T; Matesic D; Lockwood L; Chang C C; Trosko J E (a)
Author Address: (a)B240 Life Science, East Lansing, MI 48824, USA

Detection of DNA adducts in declining hop plants grown on fields formerly treated with heptachlor, a persistent insecticide.
Author: Laouedj Abdelkrim; Schenk Charles; Pfohl-Leszkowicz Annie; Keith Gerard; Schontz Dominique; Guillemaut Pierre; Rether Benoit(a)
Author Address: (a)Lab. Biol. Vegetale Appliquee, Univ. Louis Pasteur, 3 rue l'Argonne, F-67000 Strasbourg, France
Journal: Environmental Pollution 90 (3): p 409-414 1995

Structures and environmental significance of heptachlor epoxide isomers.
Author: Donnelly Joseph R; Sovocool G Wayne; Titus Richard L
Author Address: Lockheed Environmental Systems and Technologies Co., 980 Kelly Johnson Dr., Las Vegas, NV 89119, USA

The efficacy of mineral oil combined with feed restriction in enhancing the elimination of heptachlor epoxide from mink (Mustela vison).
Author: Crum J A; Aulerich R J; Polin D; Braselton W E; Bursian S J(a)

Chlordane/heptachlor neurotoxicity.
Author: Sherman J D
Author Address: Alexandria, VA, USA
Conference/Meeting: Annual Meeting of the World Federation of Neurology Research Group on Neuroepidemiology New York, New York, USA April 30, 1993

The reproductive effects of dietary heptachlor in mink (Mustela vison).
Author: Crum J A; Bursian Steven J(a); Aulerich R J; Polin D; Braselton W E
Author Address: (a)Dep. Animal Sci., Institute Environmental Toxicol., Michigan State Univ., East Lansing, Michigan, USA
Journal: Archives of Environmental Contamination and Toxicology 24 (2): p 156-164 1993

Effect Of Crop Rotation On The Persistence And Absorption Of Heptachlor
Author: Shivankar V J; Kavadia V S
Effects Of Heptachlor On Allobophora-Caliginosa
Author: Falco L B; Momo F R
Author Address: Univ. Nacional De Lujan, Dep. Basic Sciences Ecology, Cc 221 6700 Lujan/Argentina.

Exposure Of Applicators And Residents To Chlordane And Heptachlor When Used For Subterranean Termite Control
Author: Kamble S T; Ogg C L; Gold R E; Vance A D
Author Address: 101 Nrh, Environ. Programs, Univ. Nebraska, Lincoln, Ne 68583-0818.

Modulation by the insecticides heptachlor and chlordane of the cell-mediated immune proliferative responses of rhesus monkeys
Author: Chuang L F; LIU Y; KILLAM K JR; CHUANG R Y
Author Address: DEP. MED. PHARMACOLOGY TOXICOLOGY, UNIV. CALIF., DAVIS, CALIF. 95616, USA.

Heptachlor heptachlor epoxide and other chlordane compounds in finnish plywood workers
Author: Mussalo-Rrauhamaa h; pyysalo h; antervo k
Author Address: DEP. PUBLIC HEALTH, UNIV. HELSINKI, HELSINKI.

Effect of heptachlor on selected biochemical aspects in the functionally different muscles of channa-punctatus
Author: Baigh M A; Joseph K V; Rao K J
Author Address: Div. Toxicol., Dep. OF ZOOL., S.V. UNIV., TIRUPATI-517 502, INDIA.

Application of biological data in cancer risk estimations of chlordane and heptachlor
Author: Adeshina F; Todd E L
Author Address: INT. TECHNOL. CORP., 2790 MOSSIDE BLVD., MONROEVILLE, PA. 15146.

Induction of differentiation in human myeloblastic leukemia ml-1 cells by heptachlor a chlorinated hydrocarbon insecticide
Author: CHUANG L F; HINTON D E; CHEUNG A T W; CHUANG R Y
Author Address: DEP. MED. PHARMACOL., UNIV. CALIFORNIA, DAVIS, CALIFORNIA 95616.

Effct Of Temperature And Humidity On The Degradation Of Heptachlor Residues In Clay Loam Soil
Author: Shivankar V J; Kavadia V S
Author Address: Indian Grass Fodder Res. Inst., Jhansi, 284001.
Heptachlor Induces Differentiation In Human Myeloblastic Leukemia MI-1 Cells
Author: Chuang R Y; Cheung A T W; Chuang L F
Author Address: Univ. Calif., Davis, Calif. 95616.

Oxidative Dehydrochlorination Of Heptachlor By Daphnia-Magna
Author: Feroz M; Podowski A A; Khan M A Q
Author Address: Dep. Biological Sci., Univ. Illinois At Chicago, P.O. Box 4348, Chicago, Ill. 60680.

Enzyme Activity Ratios Of Fish Muscles On Sublethal Exposure To Heptachlor
Author: Baig M A; Joseph K V; Rao K J
Author Address: Dep. Zool., Sri Venkateswara Univ., Tirupati 517 502, India.

Representative Soil from Balcarce, Argentina, Under Natural Environmental Conditions.
Pereyra, M. A., Universidad Nacional de Mar del Plata-Instituto Nacional de Tecnologia Agropecuaria, Balcarce, Argentina; Mantecon, J. D.; Barassi, C. A.
J Environ Biol v19, n1, p1(7) 1998

The Reproductive Effects of Dietary Heptachlor in Mink (Mustela vison)
Arch Environ Contam Toxicol v24, n2, p156(9) Feb 93

Exposure of Applicators and Residents to Chlordane and Heptachlor When Used for Subterranean Termite Control
Kamble, Shripat T., Univ of Nebraska, Lincoln; Ogg, Clyde L.; Gold, Roger E.; Vance, Arthur D.
Arch Environ Contam Toxicol v22, n3, p253(7) Apr 92

Heptachlor, Heptachlor Epoxide, and Other Chlordane Compounds in Finnish Plywood Workers
Mussalo-Rauhamaa, Helena, Univ of Helsinki, Finland; Pyysalo, Heikki; Antervo, Kaija
Arch Environ Health v46, n6, p340(7) Nov-Dec 91

Effect of Heptachlor on Selected Biochemical Aspects in the Functionally Different Muscles of Channa punctatus
Baigh, Azahar, S. V. Univ, Tirupati, India; Joseph, K. Vijay; Rao, K. Jayantha
J Environ Biol v12, n4, p341(5) Oct 91
Subacute Toxicity of Dietary Heptachlor to Mink (Mustela Vison)
Aulerich, R. J., Michigan State Univ, East Lansing; Bursian, S. J.; Napolitano, A. C.
Arch Environ Contam Toxicol v19, n6, p913(4)
Nov-Dec 90

Long-Term Persistence of Dieldrin, DDT, and Heptachlor Epoxide in Earthworms
Beyer, W. Nelson; Krynitsky, Alexander J.
Ambio v18, n5, p271(3)
1989

The Efficacy of Mineral Oil Combined with Feed Restriction in Enhancing the Elimination of Heptachlor Epoxide from Mink (Mustela vison)
Crum, J. A., Michigan State University, East Lansing; Aulerich, R. J.; Polin, D.; Braselton, W. E.; Bursian, S. J.
Arch Environ Contam Toxicol v26, n3, p374(7)
Apr 94
10 POLYCHLORINATED BIPHENYLS

Dioxins. Polychlorinated dibenzo-p-dioxins, dibenzofurans and dioxin-like polychlorinated biphenyls
Dutch Expert Committee on Occupational Standards (DECOS)
Source: Health Council of the Netherlands (Gezondheidsraad); 1996/10 E; 1996; 104 p

Toxicological profile for Polychlorinated Biphenyls
Anonymous
Source: Agency for Toxic Substances and Disease Registry U.S. Public Health Service; 1994; 429 p

Scientific documentation on the Dutch list of occupational carcinogens (II). Polychlorinated biphenyls
Dutch Expert Committee on Occupational Standards
Source: Ministry of Social Affairs and Employment; RA 2/95; 1995; 188-92

Health effects assessment for polychlorinated biphenyls (PCBs)
EPA working group
Source: Environmental protection agency; EPA/540/1-86/004; 1984; 66 p

Polychlorinated biphenyls (Group 2A)
Anonymous
Source: IARC Monographs on the evaluation of the carcinogenic risk of chemicals to humans; Suppl. 7; 1987; 322-6

Polychlorinated biphenyls and terphenyls (Second edition)
WHO working group
Source: Environmental Health Criteria; 140; 1993; 682 p

Risk assessment of Polychlorinated biphenyls (PCBs)
Nordic expert group; Ahlborg UG; Hanberg A; Kenne K
Source: Nord; 26; 1992; 99 p

Polychlorinated biphenyls (PCBs)
Anonymous
Source: Canadian water quality guidelines; Appendix VII; 1991; 6-11

Ambient water quality criteria for polychlorinated biphenyls
EPA working group
Source: Environmental Protection Agency; EPA 440/5-80-068; 1980; 200 p

September, 2000
Chlorierte biphenyle (PCB)
Anonymous
Source: Toxikologisch-arbeitsmedizinische Begründung von MAK-Werten (Maximale Arbeitsplatz-Konzentrationen); 1977; 28 p
Language: GERMAN

Occupational exposure to polychlorinated biphenyls (PCBs)
NIOSH Working Group
Source: Criteria for a Recommended Standard; NIOSH 77-225; 1977; 224 p

Polychlorinated biphenyls and terphenyls
WHO Working Group
Source: Environmental Health Criteria; 2; 1976; 85 p

Polychlorinated biphenyls
Anonymous
Source: IARC monographs on the Evaluation of the Carcinogenic risk of chemicals to humans; 7; 1974; 261-89

Polychlorinated biphenyls
Anonymous
Source: IARC monographs on the Evaluation of the Carcinogenic risk of chemicals to humans; 18; 1978; 43-103

Polychlorinated biphenyls and polybrominated biphenyls
IARC Working Group
Source: IARC monographs on the Evaluation of the Carcinogenic risk of chemicals to humans; 18; 1978; 1-140

Structure and function of biphenyl/polychlorinated biphenyl(PCB) degradation genes in a gram-positive bacterium Rhodococcus sp. RHA1.
Book Title: Microbial diversity and genetics of biodegradation
Author: Masai Eiji(a); Yamada Akihiro(a); Sugiyama Katsumi(a); Iwashita Naoko(a); Takahasi Chigusa; Healy Judith M; Hatta Takashi; Tonso Nancy L; Kimbara Kazuhide(a); Yano Keiji(a); Fukuda Masao(a)
Book Author/Editor: Horikoshi K; Fukuda M; Kudo T: Eds
Author Address: (a)Dep. Bioengineering, Nagaoka Univ. Technol., Kamitomioka, Nagaoka, Niigata 940-21, Japan
p 185-196 1997
Book Publisher: Japan Scientific Societies Press, 2-10 Hongo, 6-chome, Bunkyo-ku, Tokyo, Japan
S. Karger AG, P.O. Box, Allschwilerstrasse 10, CH-4009 Basel, Switzerland
Document Type: Book
The evolution of meta-cleavage pathway for degradation of polychlorinated biphenyl (PCB)/biphenyl in gram-negative bacteria.
Book Title: Microbial diversity and genetics of biodegradation
Author: Maeda Michihisa(a); Ohta Yoshinori; Kang Shin-Kwon; Lee Lina; Kudo Toshiaki
Book Author/Editor: Horikoshi K; Fukuda M; Kudo T: Eds
Author Address: (a)Sch. Agriculture, Meiji Univ., Kawasaki, Kanagawa, Japan
p 149-168 1997
Book Publisher: Japan Scientific Societies Press, 2-10 Hongo, 6-chome, Bunkyo-ku, Tokyo, Japan
S. Karger AG, P.O. Box, Allschwilerstrasse 10, CH-4009 Basel, Switzerland
Document Type: Book

Toxicological implications of PCB residues in mammals.
Book Title: Environmental contaminants in wildlife: Interpreting tissue concentrations
Author: Kamrin Michael A(a); Ringer Robert K
Book Author/Editor: Beyer W N; Heinz G H; Redmon-Norwood A W: Eds
Author Address: (a)Inst. Environmental Toxicology, Mich. State Univ., East Lansing, MI, USA
p 153-163 1996
Book Publisher: CRC Press, Inc., Boca Raton, Florida, USA
CRC Press, London, England, UK
Document Type: Book

Isolation and characterization of diverse polychlorinated biphenyl(PCB)/biphenyl-degrading gram-positive bacteria.
Book Title: Microbial diversity and genetics of biodegradation
Author: Kudo Toshiaki; Maeda Michihisa; Fuji Fumie; Chung Seon-Yong; Hasegawa Yuki; Eun Son; Yoshida Yuriko
Book Author/Editor: Horikoshi K; Fukuda M; Kudo T: Eds
p 133-147 1997
Book Publisher: Japan Scientific Societies Press, 2-10 Hongo, 6-chome, Bunkyo-ku, Tokyo, Japan
S. Karger AG, P.O. Box, Allschwilerstrasse 10, CH-4009 Basel, Switzerland
Document Type: Book

Book Title: Environmental Health Criteria; Polychlorinated biphenyls and terphenyls, Second edition
Author: WHO
Book Author/Editor: WHO
Author Address: Geneva, Switzerland
Journal: Environmental Health Criteria 140 p 682p 1993
Book Publisher: WHO, Geneva, Switzerland
Document Type: Book
Microbial reductive dechlorination of polychlorinated biphenyls.

**Book Title:** Ecological and Applied Microbiology; Microbial transformation and degradation of toxic organic chemicals

**Author:** Bedard Donna L(a); Quensen John F III

**Book Author/Editor:** Young L Y; Cerniglia C E: Eds

**Author Address:** (a)Bioremediation Res. Program, Environ. Lab., GE Corp. Res. and Dev., Schenectady, NY 12301, USA

**Book Publisher:** Wiley-Liss, Inc., 605 Third Avenue, New York, New York 10158-0012, USA

**Document Type:** Book

DDT and PCB pollution in blubber and muscle of long-finned pilot whales from the Faroe Islands.

**Book Title:** Report of the International Whaling Commission Special Issue; Biology of northern hemisphere pilot whales

**Author:** Borrell Asuncion; Aguilar Alex

**Book Author/Editor:** Donovan G P; Lockyer C H; Martin A R: Eds

**Author Address:** Dep. Anim. Biol., Fac. Biol., Univ. Barcelona, Barcelona 08071, Spain


**Book Publisher:** Cambridge University Press, The Pitt Building, Trumpington Street, Cambridge CB2 1RP, England

**Document Type:** Book

Environmental Toxin Series Vol. 1. Polychlorinated Biphenyls Pcbs Mammalian And Environmental Toxicology

**Author:** Safe S

**Author Address:** Texas A And M Univ., Coll. Vet. Med., Dep. Vet. Physiol. Pharmacol., College Station, Texas 77843-4466, USA.


**Document Type:** Book

Microbial reductive dehalogenation of polychlorinated biphenyls.

**Author:** Wiegel Juergen(a); Wu Qingzhong

**Author Address:** (a)Department of Microbiology and Center for Biological Resource Recovery, University of Georgia, 215 Biological Science Building, Athens, GA, 30602-2605, USA


**Document Type:** Literature Review
Temporal trends of polychlorinated biphenyls (PCBs) in Lake Ontario fish and invertebrates.

Author: Bentzen E(a); Mackay D; Hickie B E; Lean D R S
Author Address: (a)Environmental Modelling Centre, Environmental and Resource Studies, Trent University, Peterborough, ON, K9J 7B8, Canada
Document Type: Literature Review

Sorption of polycyclic aromatic hydrocarbons (PAH) and polychlorinated biphenyls (PCB) in soil.

Author: Marschner Bernd(a)
Author Address: (a)Ruhr-Universitaet Bochum, Fakultaet fuer Geowissenschaften, D-44780, Bochum, Germany
Document Type: Literature Review
Language: German; Non-English
Summary Language: English; German

Behavioural effects of endocrine disrupting chemicals on laboratory rodents: Statistical methodologies and an application concerning developmental PCB exposure.

Author: Puopolo M(a); Santucci D; Chiarotti F; Alleva E
Author Address: (a)Comparative Psychology and Behavioural Pathophysiology Sections, Laboratory of Organ and System, Italy
Document Type: Literature Review

Aerobic biodegradation of polychlorinated biphenyls by bacteria.

Author: Vrana Branislav(a); Tandlich Roman; Balaz Stefan; Dercova Katarina
Document Type: Literature Review

Multiple metabolic pathways involved in polychlorinated biphenyl (PCB) degradation in Rhodococcus sp. strain RHA1.

Book Title: Microbial diversity and genetics of biodegradation
Author: Hauschild James E(a); Seto Masashi; Masai Eiji; Hatta Takashi; Kimbara Kazuhide; Fukuda Masao; Yano Keiji
Book Author/Editor: Horikoshi K; Fukuda M; Kudo T; Eds
Author Address: (a)Mich. State Univ., Cent. Microbial Ecology, East Lansing, MI 48824-1325, USA
Book Publisher: Japan Scientific Societies Press, 2-10 Hongo, 6-chome, Bunkyo-ku, Tokyo, Japan
S. Karger AG, P.O. Box, Allschwilerstrasse 10, CH-4009 Basel, Switzerland
Document Type: Book
Hybrid enzymes between biphenyl/polychlorinated biphenyl (PCB) and benzene/toluene degradative pathway dioxygenases.

**Book Title:** Microbial diversity and genetics of biodegradation  
**Author:** Fukuda Masao(a); Iuchi Satoshi; Akiba Masaki; Senda Toshiya; Kimbara Kazuhide(a); Mitsui Yukio; Yano Keiji(a)  
**Book Author/Editor:** Horikoshi K; Fukuda M; Kudo T: Eds  
**Author Address:** (a)Res. Dev. Corp. Japan, Shinsan, Nagaoka, Niigata 940-21, Japan  
**Book Publisher:** Japan Scientific Societies Press, 2-10 Hongo, 6-chome, Bunkyo-ku, Tokyo, Japan  
S. Karger AG, P.O. Box, Allschwilerstrasse 10, CH-4009 Basel, Switzerland  
**Document Type:** Book

Behavior of polychlorinated biphenyls in water and sediment of Lake Plotzensee (Berlin).

**Book Title:** Water  
**Original Language Book Title:** Vom Wasser.  
**Author:** Nolte Christine; Gunkel Guenter; Jekel Martin  
**Book Author/Editor:** Haberer K: Ed  
**Author Address:** Technische Univ. Berlin, Fachgebiet Wasserreinhaltung, Sekr. KF4, Strasse 17, Juni 135, D-10623 Berl, Germany  
**Journal:** Vom Wasser 86 p 127-139 1996  
**Book Publisher:** VCH Verlagsgesellschaft mbH, Postfach 10 11 61, Boschstrasse 12, D-6940 Weinheim, Germany  
VCH Publishers, Inc., Suite 909, 220 East 23rd Street, New York, New York 10010, USA  
**Document Type:** Book  
**Language:** German; Non-English  
**Summary Language:** German; English

Bioanalytical methods applied to endocrine disrupting polychlorinated biphenyls, polychlorinated dibenzo-p-dioxins and polychlorinated dibenzofurans: A review.

**Author:** Diaz-Ferrero J; Rodriguez-Larena M C(a); Comellas L; Jimenez B  
**Author Address:** (a)Environmental Lab., C.E.T.S. Inst. Quimic de Sarria, Univ. Ramon Llull, Via Augusta 390, 08017 B, Spain  
**Document Type:** Literature Review

Position paper of the American Council on Science and Health: Public health concerns about environmental polychlorinated biphenyls (PCBs).

**Author:** Danse Ilene R  
**Journal:** Ecotoxicology and Environmental Safety 38 ( 2 ): p 71-84 Nov., 1997  
**Document Type:** Literature Review

Neurochemical effects of polychlorinated biphenyls: An overview and identification of research needs.

**Author:** Tilson Hugh A(a); Kodavanti Prasada Rao S  
**Author Address:** (a)Neurotoxicol. Div., MD 74B, National Health and Environmental Effects Research Lab., U.S. Enviro, USA  
**Journal:** Neurotoxicology (Little Rock) 18 ( 3 ): p 727-743 1997  
**Document Type:** Literature Review
A history of PCB biodegradation.

**Book Title:** Biotechnology Research Series; Bioremediation: Principles and applications  
**Author:** Unterman Ronald  
**Book Author/Editor:** Crawford R L; Crawford D L: Authors  
**Author Address:** Envirogen Inc., 4100 Quakerbridge Rd., Lawrenceville, NJ 08648, USA  
**Book Publisher:** Cambridge University Press, The Pitt Building, Trumpington Street, Cambridge CB2 1RP, England  
Cambridge University Press, 40 W. 20th Street, New York, New York 10011-4211, USA  
**Document Type:** Literature Review

The human health effects of DDT (dichlorodiphenyl-trichloroethane) and PCBs (polychlorinated biphenyls) and an overview of organochlorines in public health.

**Book Title:** Annual Review of Public Health  
**Author:** Longnecker Matthew P(a); Rogan Walter J; Lucier George  
**Book Author/Editor:** Fielding J E: Ed  
**Author Address:** (a)Epidemiol. Branch, Natl. Inst. Environ. Health Sci., Research Triangle Park, NC 27709, USA  
**Journal:** Annual Review of Public Health 18 p 211-244 1997  
**Book Publisher:** Annual Reviews Inc., P.O. Box 10139, 4139 El Camino Way, Palo Alto, California 94306, USA  
**Document Type:** Literature Review

Immunotoxicity of polychlorinated biphenyls: Present status and future considerations.

**Author:** Tryphonas Helen  
**Author Address:** Health Can., Health Prot. Branch, Toxicol. Res. Div., Sir F.G. Banting Res. Centre, 2nd Floor East, , Canada  
**Journal:** Experimental and Clinical Immunogenetics 11 (2-3): p 149-162 1994  
**Document Type:** Literature Review

Review of the safety assessment of polychlorinated biphenyls (PCBs) with particular reference to reproductive toxicity.

**Author:** Battershill Jon M  
**Author Address:** Dep. Health, Health Environ. and Food Div., Skipton House, London SE1 6LW, UK  
**Journal:** Human & Experimental Toxicology 13 (9): p 581-597 1994  
**Document Type:** Literature Review

Polychlorinated biphenyls as hormonally active structural analogues.

**Author:** McKinney James D(a); Waller Chris  
**Author Address:** (a)Pharmaconetics Branch, Environ. Toxicol. Div., Health Effects Res. Lab., U.S. EPA, Research Tria, USA  
**Journal:** Environmental Health Perspectives 102 (3): p 290-297 1994  
**Document Type:** Literature Review
Exposure to mixtures and congeners of polychlorinated biphenyls.
Author: Skerfving Staffan(a); Svensson Bengt-Goran; Asplund Illemor; Hagmar Lars
Author Address: (a)Dep. Occupational Environmental Medicine, Univ. Hosp., S-221 85 Lund, Sweden
Document Type: Literature Review

Polychlorinated biphenyls (PCBs): Environmental impact, biochemical and toxic responses, and implications for risk assessment.
Author: Safe Stephen H
Author Address: Dep. Vet. Physiol. and Pharmacol., Texas A and M University, College Station, TX 77843-4466, USA
Document Type: Literature Review

Biomarkers and bioassays as alternative screening methods for the presence and effects of PCDD, PCDF and PCB.
Author: Dbosveld A T C; Vanden Berg Martin
Author Address: Res. Inst. Toxicol., Univ. Utrecht, P.O. Box 80176, NL-3508 TD Utrecht, Netherlands
Document Type: Literature Review

Documenting temporal trends of polychlorinated biphenyls in the environment.
Author: Fensterheim Robert J
Author Address: RegNet Environ. Serv., Suite 200, 1350 Eye Street, N.W., Washington, D.C. 20005, USA
Document Type: Literature Review

Distribution of PCB congeners in seven lake systems: Interactions between sediment and food-web transport.
Author: MacDonald Colin R(a); Metcalfe Chris D; Balch Gordon C; Metcalfe Tracy L
Author Address: (a)Environ. and Resource Studies, Trent Univ., Peterborough, ON K9J 7B8, Canada
Document Type: Literature Review

Polychlorinated biphenyls (PCBs) and reproduction disturbances.
Author: Popp Walter(a); Vahrenholz Carola; Kraus Rudolf; Norpoth Klaus
Author Address: (a)Institut Fuer Hygiene Arbeitsmedizin, Universitaetsklinikum Essen, Hufelandstr. 55, D-4300 Essen
Document Type: Literature Review
Language: German; Non-English
Toxicology, structure-function relationship, and human and environmental health impacts of polychlorinated biphenyls: Progress and problems.
Author: Safe Stephen
Author Address: Dep. Veterinary Physiol. Pharmacol., Coll. Veterinary Med., Tex. A and M Univ., College Station, TX., USA
Journal: Environmental Health Perspectives 100 ( 0 ): p 259-268 1993
Document Type: Literature Review

Polychlorinated biphenyl exposure and human disease.
Author: James Robert C; Busch Harris; Tamburro Carlo H; Roberts Stephen M(a); Schell John D; Harbison Raymond D
Author Address: (a)Cent. Environmental and Human Toxicol., Univ. Florida, Progress Cent., One Progress Boulevard, B, urkey
Document Type: Literature Review

Progress In Clinical And Biological Research Vol. 137 Pcb Poly Chlorinated Bi Phenyls Poisoning In Japan And Taiwan
Author: Kuratsune M; Shapiro R E
Author Address: Department Of Public Health, Faculty Of Medicine Kyushu University, Fukuoka, Japan.
Document Type: Book

Polychlorinated Biphenyls in Diseased Lesser Black-Backed Gull (Larus fuscus fuscus) Chicks from the Gulf of Finland
Hario, M., Finnish Game and Fisheries Research Institute, Helsinki; Himberg, K.; Hollmen, T.; Rudback, E.
Environ Pollut v107, n1, p53(8) 2000

Elliott, J. E., Canadian Wildlife Service, Delta, BC; Machmer, M. M.; Wilson, L. K.; Henny, C. J.
Arch Environ Contam Toxicol v38, n1, p93(14) Jan 00

Investigating Potential Associations Between Chronic Exposure to Polychlorinated Biphenyls and Infectious Disease Mortality in Harbour Porpoises from England and Wales
Jepson, Paul D., Zoological Society of London, UK; Bennett, Peter M.; Allchin, Colin R.; Law, Robin J.; Kuiken, Thijs; Baker, John R.; Rogan, Emer
Sci Total Environ v243-244, p339(10) Dec 15, 99

September, 2000
Prenatal PCB Exposure and Neonatal Behavior Assessment Scale (NBAS) Performance
Stewart, Paul, State University of New York at Oswego, Oswego, NY; Reihman, Jacqueline; Lonky, Edward; Darvill, Thomas; Pagano, James
Neurotoxicol Teratol v22, n1, p21(9)
Jan-Feb 00

The Response of a Laboratory Stream System to PCB Exposure: Study of Periphytic and Sediment Accumulation Patterns
Wang, Hong, Centeon, Kankakee, IL; Kostel, Jill A.; St. Amand, Ann L.; Gray, Kimberly A.
Water Res v33, n18, p3749(13)
Dec 99

Predicting Starling Chick Carcass PCB Concentrations from PCB Concentrations in Ingested Animal Matter
Arena, S. M., University of Illinois, Urbana, IL; Halbrook, R. S.; Arenal, C. A.
Arch Environ Contam Toxicol v37, n4, p548(6)
Nov 99

Measuring and Modelling the Vertical Distribution of Semi-Volatile Organic Compounds in Soils. I: PCB and PAH Soil Core Data
Cousins, Ian T., Lancaster University, UK; Gevao, Bondi; Jones, Kein C.
Chemosphere v39, n14, p2507(12)
Dec 99

The Relation Between Levels of Selected PCB Congeners in Human Serum and Follicular Fluid
Pauwels, A., Antwerp University, Wilrijk, Belgium; Covaci, A.; Delbeke, L.; Punjabi, U.; Schepens, P. J. C.
Chemosphere v39, n14, p2433(9)
Dec 99

Guns 'N' Doses: Croatian PCB Exposure Raises Scientific Questions
Crittenden, Guy
Hazard Mater Manag v11, n4, p15(2)
Aug-Sep 99

PCB Cleanup Levels and the "Mega-Rule"...Clarification or Confusion
Environ Regul Permit v9, n1, p35(7)
Autumn 99

Polychlorinated Biphenyl Mixture (Aroclors) Inhibit LPS-Induced Murine Splenocyte Proliferation in Vitro
Stack, Allison Schulze, Medical University of South Carolina, Charleston; Altman-Hamamdzic, Sanja; Morris, Pamela J.; London, Steven D.; London, Lucille
Toxicol v139, n1-2, p137(18)
Nov 29, 99
Vitamins A1, A2, and E in Minks Exposed to Polychlorinated Biphenyls (Aroclor 1242) and Copper, via Diet Based on Freshwater or Marine Fish
Kakela, Reijo, University of Joensuu, Finland; Kakela, Anne; Hyvarinen, Heikki; Asikainen, Juha; Dahl, Sanna-Kaisa
Environ Toxicol Chem v18, n11, p2595(5) Nov 99

Polychlorinated Biphenyls and 2,3,7,8-Tetrachlorodibenzo-p-Dioxin Equivalents in Tree Swallows from the Upper Hudson River, New York State, USA
Secord, Anne L., FWS, Cortland, NY; McCarty, John P.; Echols, Kathy R.; Meadows, John C.; Gale, Robert W.; Tillitt, Donald E.
Environ Toxicol Chem v18, n11, p2519(7) Nov 99

Effects of Polychlorinated Biphenyl 126 on Green Frog (Rana clamitans) and Leopard Frog (Rana pipiens) Hatching Success, Development, and Metamorphosis
Rosenshield, Michele Laura, University of Wisconsin, Madison; Jofre, Mariana Beatriz; Karasov, William Henry
Environ Toxicol Chem v18, n11, p2478(9) Nov 99

Chloracne, Goiter, Arthritis, and Anemia After Polychlorinated Biphenyl Poisoning: 14-Year Follow-Up of the Taiwan Yucheng Cohort
Guo, Yueliang Leon, National Cheng Kung University Medical College, Tainan, Taiwan; Yu, Mei-Lin; Hsu, Chen-Chin; Rogan, Walter J.
Environ Health Perspec v107, n9, p715(5) Sep 99

Comparison of PCB and DDT Distribution Between Water-Column and Sediment-Dwelling Bivalves in Arcachon Bay, France
Thompson, S., University of Bordeaux I, Talence, France; Budzinski, H.; Garrigues, P.; Narbonne, J. F.
Mar Pollut Bull v38, n8, p655(8) Aug 99

The Fate and Persistence of Polychlorinated Biphenyls in Soil
Ayris, Stephen; Harrad, Stuart, University of Birmingham, UK
J Environ Monitor v1, n4, p395(7) Aug 99

In Situ Measurement of PCB Availability in Unsaturated Soils
McNamara, Sean; Luthy, Richard G., Carnegie Mellon University, Pittsburgh, PA
Bioremediation of Nitroaromatic and Haloaromatic Compounds (Battelle) v5, n7, p241(6) 1999
Computer Model for Prediction of PCB Dechlorination and Biodegradation Endpoints
Klasson, K. Thomas, (Oak Ridge National Laboratory, TN); Just, Eric M., (Northwestern University, Evanston, IL)
Bioremediation of Nitroaromatic and Haloaromatic Compounds (Battelle) v5, n7, p185(6) 1999

Polychlorinated Biphenyls Transformation by Bioaugmentation in Solid Culture
Fernandez-Sanchez, Jose Manuel, CINVESTAV-IPN, Mexico; Ruiz-Aguilar, Graciela; Rodriguez-Vazquez, Refugio
Bioremediation of Nitroaromatic and Haloaromatic Compounds (Battelle) v5, n7, p173(6) 1999

Bioavailability, Estrogenicity, and Toxicity of Surfactant-PCB Mixtures After Biodegradation and Photolysis
Sanseverino, John, University of Tennessee, Knoxville; Menn, Fu-Min; Gregory, Betsy; Layton, Alice; Sampsel, Eric; Shi, Zhou; Ghosh, Mriganka
Bioremediation of Nitroaromatic and Haloaromatic Compounds (Battelle) v5, n7, p155(6) 1999

Isolation and Identification of Microorganisms from a Soil Mixed Culture Aerobically Degrading Polychlorinated Biphenyls
Rojas-Avelizapa, N. G., CINVESTAV del IPN, Mexico; Rodriguez-Vazquez, R.; Martinez-Cruz, J.; Poggi-Varaldo, H. M.
Bioremediation of Nitroaromatic and Haloaromatic Compounds (Battelle) v5, n7, p149(6) 1999

Soil-Plant Transfer of Polychlorinated Biphenyls in Paddy Fields
Chu, Shaogang, Chinese Academy of Sciences, Beijing; Cai, Meilin; Xu, Xiaobai
Sci Total Environ v234, n1-3, p119(8)
Aug 30, 99
11 PCDDs AND PCDFs

Ambient air measurements of polycyclic aromatic hydrocarbons, polychlorinated dibenzo-p-dioxins, polychlorinated dibenzofurans and other semi-volatile organics at urban and rural sites in Ontario (1994-1997).

**Book Title:** 41st Conference of the International Association for Great Lakes Research

**Author:** Dann T; Tardif C Chiu M; Poole G

**Book Author/Editor:** INTERNATIONAL ASSOCIATION FOR GREAT LAKES RESEARCH

**Author Address:** Analysis and Air Quality Div., Environ. Technol. Cent., Ottawa, ON K1A 0H3, Canada

**Book Publisher:** International Association for Great Lakes Research, Ann Arbor, Michigan, USA

**Conference/Meeting:** Meeting Hamilton, Ontario, Canada May 18-22, 1998

**Sponsor:** International Association for Great Lakes Research

Investigations on polychlorinated dibenzo-p-dioxins and dibenzofurans (PCDD/F) of different sludge types in a municipal waste water treatment plant.

**Book Title:** Water

**Original Language Book Title:** Vom Wasser.

**Author:** Schramm Karl-Werner; Klimm Christian; Henkelmann Bernhard; Kettrup Antonius

**Book Author/Editor:** Haberer K: Ed

**Author Address:** GSF-Forschungszentrum Umwelt Gesundheit, Inst. Oekologische Chemie, Ingolstaedter Landstr. 1, D-8576, Germany

**Journal:** Vom Wasser 84 p 131-141 1995

**Book Publisher:** VCH Verlagsgesellschaft mbH, Postfach 10 11 61, Boschstrasse 12, D-6940 Weinheim, Germany

**VCH Publishers, Inc., Suite 909, 220 East 23rd Street, New York, New York 10010, USA**

**Document Type:** Book

**Language:** German; Non-English

WHO Environmental Health 17. PCDD And PCDF Emissions From Incinerators For Municipal Sewage Sludge And Solid Waste Evaluation Of Human Exposure Report On A WHO Meeting Naples Italy March 17-21 1986

**Author:** WHO

**Author Address:** Copenhagen, Denmark.


**Document Type:** Book
An IARC evaluation of polychlorinated dibenzo-p-dioxins and polychlorinated dibenzofurans as risk factors in human carcinogenesis.
Author: McGregor Douglas B(a); Partensky Christiane; Wilbourn Julian; Rice Jerry M
Author Address: (a)Int. Agency Res. Cancer, 150 cours Albert Thomas, 69372 Lyon 08, France
Document Type: Literature Review

Bioaccumulation of polychlorinated dibenzodioxins (PCDDs) and dibenzofurans (PCDFs) in aquatic organisms.
Author: Yamada Hisashi
Author Address: Natl. Res. Inst. Fisheries Sci., Nagai 6-31-1, Yokosuka 238-03, Japan
Journal: Bulletin of the National Research Institute of Fisheries Science 0 ( 9 ): p 139-161 1997
Language: Japanese; Non-English
Summary Language: Japanese; English

A review of the aquatic ecotoxicology of polychlorinated dibenzo-p-dioxins and dibenzofuran.
Author: Grimwood Mark J; Dobbs Tony J
Author Address: Water Res. Cent., Medmenham, P.O. Box 16, Marlow, Buckinghamshire SL7 2HD, UK
Document Type: Literature Review

Biomarkers and bioassays as alternative screening methods for the presence and effects of PCDD, PCDF and PCB.
Author: Dbosveld A T C; Vanden Berg Martin
Author Address: Res. Inst. Toxicol., Univ. Utrecht, P.O. Box 80176, NL-3508 TD Utrecht, Netherlands
Document Type: Literature Review

Polychlorinated dibenzo-p-dioxins (PCDDs) and dibenzofurans (PCDFs) in the aquatic environment: A literature review.
Author: Fletcher C L; McKay W A
Author Address: AEA Environment and Energy, Environmental Physics Group, Harwell Lab., Oxfordshire, OX11 0RA, Russia
Document Type: Literature Review

Toxic equivalency factors (TEFs) for PCBs, PCDDs, PCDFs for humans and wildlife.
Author: Van den Berg Martin; Birnbaum Linda; Bosveld Albertus T C; Brunstrom Bjorn; Cook Philip; Feeley Mark; Giesy John P; Hanberg Annika; Hasegawa Ryuichi; Kennedy Sean W; Kubiak Timothy; Larsen John Christian; van Leeuwen F X Rolaf(a); Djien Liem A K; Nolt Cynthia; Peterson Richard E; Poellinger Lorenz; Safe Stephen; Schrenk Dieter; Tillitt Donald; Tysklind Mats; Younes Maged; Waern Fredrik; Zacharewski Tim
Author Address: (a)European Centre for Environment and Health, Bilthoven Division, World Health Organization, 3730, Netherlands
Journal: Environmental Health Perspectives 106 ( 12 ): p 775-792 Dec., 1998
Document Type: Literature Review
Formation of PCDDs and PCDFs in municipal waste incineration and its inhibition mechanisms: A review.
Author: Tuppurainen Kari(a); Halonen Ismo; Ruokojarvi Paivi; Tarhanen Juhani; Ruuskanen Juhani
Author Address: (a)Univ. Kuopio, Dep. Chem., P.O.B. 1627, FIN-70211 Kuopio, Finland
Document Type: Literature Review

Pentachlorophenol (PCP) and chloranil as PCDD/F sources to sewage sludge and sludge amended soils in the UK.
Author: Alcock R E; Jones K C
Author Address: Inst. Environmental Biological Sciences, Lancaster Univ., Lancaster LA1 4YQ, UK
Document Type: Literature Review

Congener specific transfer of PCDD/Fs from air to cow's milk: An evaluation of current modelling approaches.
Author: Douben P E T(a); Alcock R E(a); Jones K C
Author Address: (a)Inst. Environ. Biol. Sci., Lancaster Univ., Lancaster LA1 4YQ, UK
Journal: Environmental Pollution 95 (3): p 333-344 1997
Document Type: Literature Review

Formation of PCDD/F in municipal solid waste incinerators: Laboratory and modeling studies.
Author: Altwicker Elmar R
Author Address: Howard P. Isermann Dep. Chem. Engineering, Rensselaer Polytechnic Inst. Troy, NY 12180-3590, USA
Document Type: Literature Review

Polychlorinated dibenzo-p-dioxine, -furans (PCDD/F) and analogues in surface sediments and dated aquatic sediment cores.
Author: Ricking M; Terytze K(a)
Author Address: (a)Umweltbundesamt, Postfach 330022, D-14191 Berlin, Germany
Document Type: Literature Review
Language: German; Non-English

The toxicokinetics and metabolism of polychlorinated dibenzo-p-dioxins (PCDDs) and dibenzo furans (PCDFs) and their relevance for toxicity.
Author: Van Den Berg Martin(a); De Jongh Joost; Poiger Hermann; Olson James R
Author Address: (a)Res. Inst. Toxicol., Utrecht Univ., P.O. Box 80.176, 3508 TD Utrecht, Netherlands
Document Type: Literature Review
Biomarkers and bioassays as alternative screening methods for the presence and effects of PCDD, PCDF and PCB.
Author: Dbosveld A T C; Vanden Berg Martin
Author Address: Res. Inst. Toxicol., Univ. Utrecht, P.O. Box 80176, Nl-3508 TD Utrecht, Netherlands
Journal: Fresenius' Journal of Analytical Chemistry 348 (1-2); p 106-110 1994
Document Type: Literature Review

Polychlorinated dibenzo-p-dioxins (PCDDs) and dibenzofurans (PCDFs) in the aquatic environment: A literature review.
Author: Fletcher C L; McKay W A
Author Address: AEA Environment and Energy, Environmental Physics Group, Harwell Lab., Oxfordshire, OX11 0RA, Russia
Journal: Chemosphere 26 (6); p 1041-1069 1993
Document Type: Literature Review

Integrated criteria document Dioxins
Liem AKD; Berg R.v.d.; Bremmer HJ; Hesse JM; Slooff W (eds)
Source: National Institute of Public Health and Environmental Protection (RIVM); Report no 710401032; 1993; 189 p

Dioxins. Polychlorinated dibenzo-p-dioxins, dibenzofurans and dioxin-like polychlorinated biphenyls
Dutch Expert Committee on Occupational Standards (DECOS)
Source: Health Council of the Netherlands (Gezondheidsraad); 1996/10 E; 1996; 104 p

Integrated criteria document dioxins
Liem AkD; van der Berg R; Bremmer HJ; Hesse JM; Slooff W
Source: National Institute of Public Health and Environmental Protection (RIVM), The Netherlands; Report No 710401032; 1993; 191 p

Scientific documentation on the Dutch list of occupational carcinogens (I).
Tetrachlorodibenzo-para-dioxin
Dutch Expert Committee on Occupational Standards
Source: Ministry of Social Affairs and Employment; RA 1/95; 1995; 151-3

Furan
Anonymous
Source: IARC Monographs on the evaluation of the carcinogenic risk of chemicals to humans; 65; 1995; 393-407

Health effects assessment for 2,3,7,8-Tetrachlorodibenzo-p-dioxin
EPA working group
Source: Environmental Protection Agency; EPA/540/1-86/044; 1984; 60 p
**2,3,7,8-Tetrachlordibenzo-p-dioxin (Addendum)**
Anonymous

*Source*: Toxikologisch-arbeitsmedizinische Begrundung von MAK-Werten (Maximale Arbeitsplatz-Konzentrationen); 1993; 40 p  
*Language*: GERMAN

**2,3,7,8-Tetrachlorodibenzo-para-dioxin (TCDD) (Group 2B)**
Anonymous

*Source*: IARC Monographs on the evaluation of the carcinogenic risk of chemicals to humans; Suppl. 7; 1987; 350-4

**Phenoxy herbicides - their effects on environmental quality with accompanying scientific criteria for 2,3,7,8-tetrachlorodibenzo-p-dioxin (TCDD)**
Anonymous

*Source*: National Research Council Canada; NRCC No 16075; 1978; 440 p

**Polychlorinated dibenzo-p-dioxins (PCDDs)**
Anonymous

*Source*: Canadian water quality guidelines; 1987

**Exposure of man to dioxins: a perspective on industrial waste incineration**
ECETOC working group

*Source*: ECETOC Technical Report; 49; 1992; 91 p

**Nordisk dioxinrisk bedomning**
Nordic Expert Group

*Source*: Nord; 49; 1988; 129 p

**2,3,7,8-tetrachlorodibenzo-p-dioxin**
Anonymous

*Source*: Toxikologisch-arbeitsmedizinische Begrundung von MAK-Werten (Maximale Arbeitsplatz-Konzentrationen); 1985; 15 p  
*Language*: GERMAN

**Ambient water quality criteria for 2,3,7,8-tetrachloro-dibenzo-p-dioxin**
EPA working group

*Source*: Environmental Protection Agency; EPA 440/5-84-007; 1984; 291 p

**Toxicological profile for 2,3,7,8-tetrachloro-dibenzo-p-dioxin**
Anonymous

*Source*: Agency for Toxic Substances and Disease Registry U.S. Public Health Service; ATSDR/TP-88/23; 1989; 124 p

**Polychlorinated dibenzo-para-dioxins and dibenzofurans**
WHO working group

*Source*: Environmental Health Criteria; 88; 1989; 409 p

*September, 2000*
Health assessment document for polychlorinated dibenzo-p-dioxins
Epa working group
Source: Environmental Protection Agency; EPA-600/8-84-014F; 1985; 587 p

Polychlorinated dibenzo-p-dioxins: Criteria for their effects on man and his environment
Anonymous
Source: National Research Council Canada; NRCC No 18574; 1981; 248 p

Polychlorinated dibenzo-p-dioxins and dibenzofurans in surficial sediments of the Venice Lagoon (Italy).
Author: Bellucci L G(a); Frignani M; Raccanelli S; Carraro C
Author Address: (a)Istituto di Geologia Marina del CNR, Via Gobetti 101, 40129, Bologna, Italy
Document Type: Literature Review

Pentachlorophenol (PCP) and chloranil as PCDD/F sources to sewage sludge and sludge amended soils in the UK.
Author: Alcock R E; Jones K C
Author Address: Inst. Environmental Biological Sciences, Lancaster Univ., Lancaster LA1 4YQ, UK
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Congener specific transfer of PCDD/Fs from air to cow's milk: An evaluation of current modelling approaches.
Author: Douben P E T(a); Alcock R E(a); Jones K C
Author Address: (a)Inst. Environ. Biol. Sci., Lancaster Univ., Lancaster LA1 4YQ, UK
Journal: Environmental Pollution 95 (3): p 333-344 1997
Document Type: Literature Review

Formation of PCDD/F in municipal solid waste incinerators: Laboratory and modeling studies.
Author: Altwicker Elmar R
Author Address: Howard P. Isermann Dep. Chem. Engineering, Rensselaer Polytechnic Inst. Troy, NY 12180-3590, USA
Document Type: Literature Review

Polychlorinated dibenzo-p-dioxine, -furans (PCDD/F) and analogues in surface sediments and dated aquatic sediment cores.
Author: Ricking M; Terytze K(a)
Author Address: (a)Umweltbundesamt, Postfach 330022, D-14191 Berlin, Germany
Document Type: Literature Review
Language: German; Non-English
Summary Language: German; English
A review of the aquatic ecotoxicology of polychlorinated dibenzo-p-dioxins and
dibenzo-furan.
Author: Grimwood Mark J; Dobbs Tony J
Author Address: Water Res. Cent., Medmenham, P.O. Box 16, Marlow, Buckinghamshire SL7 2HD, UK

Biomarkers and bioassays as alternative screening methods for the presence and effects of
PCDD, PCDF and PCB.
Author: Dbosveld A T C; Vanden Berg Martin
Author Address: Res. Inst. Toxicol., Univ. Utrecht, P.O. Box 80176, NL-3508 TD Utrecht,
Netherlands
Document Type: Literature Review

Environmental toxicology of polychlorinated dibenzo-p-dioxins and polychlorinated
dibenzo-furans.
Author: Vanden Heuvel John P; Lucier George(a)
Author Address: (a)NIEHS, P.O. Box 12233, Research Triangle Park, NC 27709, USA
Journal: Environmental Health Perspectives 100 (0): p 189-200 1993
Document Type: Literature Review

Polychlorinated dibenzo-p-dioxins (PCDDs) and dibenzofurans (PCDFs) in the aquatic
environment: A literature review.
Author: Fletcher C L; McKay W A
Author Address: AEA Environment and Energy, Environmental Physics Group, Harwell Lab.,
Oxfordshire, OX11 0RA, Russia
Document Type: Literature Review

Study of the diurnal and nocturnal measurement of polychlorinated dibenzo-p-dioxins
(C DDS) and polychlorinated dibenzofurans (C DFS) in ambient air.
Author: Cleverly David H(a); Schweer Greg; Schaum John(a); Winters Dwain
Author Address: (a)National Center for Environmental Assessment, U.S. Environmental
Protection Agency, 401 M Street S.W, Washington, DC, 20460, USA
Conference/Meeting: 219th Meeting of the American Chemical Society. San Francisco,
California, USA March 26-30, 2000
Sponsor: American Chemical Society
Polychlorinated dibenzo-p-dioxins (PCDDs), dibenzofurans (PCDFs), biphenyls (PCBs), and organochlorine pesticides in yellow-blotched map turtle from the Pascagoula River Basin, Mississippi, USA.

**Author:** Kannan K(a); Ueda M; Shelby J A; Mendonca M T; Kawano M; Matsuda M; Wakimoto T; Giesy J P

**Author Address:** (a)Department of Zoology, Institute for Environmental Toxicology, Michigan State University, 213 National Food Safety and Toxicology Center, East Lansing, MI, 48824, USA

**Journal:** Archives of Environmental Contamination and Toxicology 38 ( 3 ): p 362-370 April, 2000

Decrease of PCDD/F levels in human blood from Germany over the past ten years (1989-1998).

**Author:** Wittsiepe Juergen(a); Schrey Petra; Ewers Ulrich; Selenka Fidelis; Wilhelm Michael

**Author Address:** (a)Abteilung fuer Hygiene, Sozial- und Umweltmedizin, Ruhr-Universitaet Bochum, Universitaetsstrasse 150, D-44801, Bochum, Germany

**Journal:** Chemosphere. 40 ( 9-11 ): p 1103-1109 May-June, 2000

Screening-level ecological risk assessment of polychlorinated dibenzo-p-dioxins and dibenzofurans in sediments and aquatic biota from the Venice Lagoon, Italy.

**Author:** Wenning R(a); Dodge D; Peck B; Shearer K; Luksemburg W; Della Sala S; Scazzola R

**Author Address:** (a)McLaren/Hart-ChemRisk, 1320 Harbor Bay Parkway, Suite 100, Alameda, CA, 94502, USA

**Journal:** Chemosphere. 40 ( 9-11 ): p 1179-1187 May-June, 2000

Study of evolution of PCDD/F in sewage sludge-amended soils for land restoration purposes.

**Author:** Molina L; Diaz-Ferrero J; Coll M; Marti R; Broto-Puig F; Comellas L; Rodriguez-Larena M C(a)

**Author Address:** (a)Environmental Laboratory, Institut Quimic de Sarria, Ramon Llull University, Via Augusta 390, 08017, Barcelona, Spain

**Journal:** Chemosphere. 40 ( 9-11 ): p 1173-1178 May-June, 2000

Increase of the PCDD/F-contamination of milk, butter and meat samples by use of contaminated citrus pulp.

**Author:** Malisch Rainer(a)

**Author Address:** (a)Chemische Landesuntersuchungsanstalt Freiburg, Bissierstr. 5, D-79114, Freiburg, Germany

**Journal:** Chemosphere. 40 ( 9-11 ): p 1041-1053 May-June, 2000

Results of an "emergency quality control study" as confirmation of a PCDD/PCDF-contamination of milk and butter samples.

**Author:** Malisch Rainer(a); Bruns-Weller Elke; Knoll Annette; Fuerst Peter; Mayer Richard; Wiesmueller Thomas

**Author Address:** (a)Chemische Landesuntersuchungsanstalt Freiburg, Bissierstr.5, D-79114, Freiburg, Germany

**Journal:** Chemosphere. 40 ( 9-11 ): p 1033-1040 May-June, 2000

September, 2000
The formation of polychlorinated dibenzo-p-dioxins/dibenzofurans from carbon model mixtures containing ferrous chloride.

Author: Ryan Shawn P(a); Altwicker Elmar R

Author Address: (a)Howard P. Isermann Department of Chemical Engineering, Rensselaer Polytechnic Institute, Troy, NY, 12180-3590, USA


Comparison of 2,4,6-trichlorophenol conversion to PCDD/PCDF on a MSWI-fly ash and a model fly ash.

Author: Hell K(a); Altwicker E R; Stieglitz L; Addink R

Author Address: (a)Forschungszentrum Karlsruhe GmbH, ITC-CPV, D-76021, Karlsruhe, Germany


Myeloperoxidase-catalyzed formation of PCDD/F from chlorophenols.

Author: Wittsiepe Juergen(a); Kullmann Yvonne; Schrey Petra; Selenka Fidelis; Wilhelm Michael

Author Address: (a)Abteilung fuer Hygiene, Sozial- und Umweltmedizin, Ruhr-Universitaet Bochum, Universitaetsstrasse 150, D-44801, Bochum, Germany


Polychlorinated dibenzo-p-dioxins and dibenzofurans in sediment, soil, fish, shellfish and crab samples from Tokyo Bay area, Japan.

Author: Sakurai Takeo(a); Kim Jong-Guk; Suzuki Noriyuki; Matsuo Tomonori; Li Dong-Qing; Yao Yuan; Masunaga Shigeki; Nakanishi Junko

Author Address: (a)National Institute for Environmental Studies, 16-2 Onogawa, Tsukuba, Ibaraki, 305-0053, Japan


Peak identification for PCDD/Fs in environmental samples at different temperature programs.

Author: Wang W; Liang X(a); Wu W; Schramm K-W; Henkelmann B; Xu Y; Kettrup A

Author Address: (a)Dalian Institute of Chemical Physics, Chinese Academy of Sciences, 161 Zhongshan Road, Dalian, 116012, China


Atmospheric deposition of PCDD/Fs near an old municipal solid waste incinerator: Levels in soil and vegetation.

Author: Schuhmacher M; Granero S; Rivera J; Muller L; Llobet J M; Domingo J L(a)

Author Address: (a)Laboratory of Toxicology and Environmental Health, Rovira i Virgili University, San Lorenzo 21, 43201, Reus, Spain


Emissions of polychlorinated dibenzo-p-dioxins and polychlorinated dibenzofurans from the open burning of household waste in barrels.

Author: Lemieux Paul M(a); Lutes Christopher C; Abbott Judith A; Aldous Kenneth M

Author Address: (a)National Risk Management Research Laboratory, United States Environmental Protection Agency, Research Triangle Park, NC, 27711, USA

Journal: Environmental Science & Technology 34 ( 3 ); p 377-384 Feb. 1, 2000
Effect of cofiring coal on formation of polychlorinated dibenzo-p-dioxins and dibenzofurans during waste combustion.
Author: Gullett Brian K(a); Dunn James E; Raghunathan K
Author Address: (a)Air Pollution Prevention and Control Division, National Risk Management Research Laboratory, U.S. Environmental Protection Agency, Research Triangle Park, NC, 27711, USA

Serum polychlorinated dibenzo-p-dioxins and polychlorinated dibenzofurans among people eating contaminated home-produced eggs and beef.
Author: Goldman Lynn R; Harnly Martha(a); Flattery Jennifer; Patterson Donald G Jr; Needham Larry L
Author Address: (a)Environmental Health Investigations Branch, California Department of Health Services, 1515 Clay Street, Suite 1700, Oakland, CA, 94612, USA

PCDD/PCDF emissions from small firing systems in households.
Author: Pfeiffer F(a); Struschka M; Baumbach G; Hagenmaier H; Hein K R G
Author Address: (a)Institute for Process Engineering and Power Plant Technology, University of Stuttgart, Pfaffenwaldring 23, D-70550, Stuttgart, Germany

Patterns and levels of organochlorines (DDTs, PCBs, non-ortho PCBs and PCDD/Fs) in male harbour porpoises (Phocoena phocoena) from the Baltic Sea, the Kattegat-Skagerrak Seas and the west coast of Norway.
Author: Berggren Per(a); Ishaq Rasha; Zebuhr Yngve; Naf Carina; Bandh Cecilia; Broman Dag
Author Address: (a)Department of Zoology, Stockholm University, S-106 91, Stockholm, Sweden

The effects of temperature and oxygen content on the PCDD/PCDFs formation in MSW fly ash.
Author: Chang Moo Been(a); Huang Tsai Fei
Author Address: (a)Graduate Institute of Environmental Engineering, National Central University, Chungli, 32054, Taiwan

Distribution of polychlorinated dibenzo-p-dioxins and dibenzofurans (PCDD/Fs) and polycyclic aromatic hydrocarbons (PAHs) within the full size range of atmospheric particles.
Author: Kaupp Heike(a); McLachlan Michael S
Author Address: (a)Department 4, Saxon State Authority for Environment and Geology, Zur Wetterwarte 11, D-01109, Dresden, Germany

September, 2000
Detailed studies of the factors controlling atmospheric PCDD/F concentrations.
Author: Lohmann Rainer; Green Nicholas J L; Jones Kevin C(a)
Author Address: (a)Department of Environmental Science, Institute of Environmental and Natural Sciences, Lancaster University, Lancaster, LA1 4YQ, UK

Polychlorinated dibenzo-p-dioxins and dibenzofurans in invertebrate animals from a rural beach in Japan.
Author: Hashimoto Shunji(a); Horiguchi Toshihiro(a); Shibata Yasuyuki(a); Morita Masatoshi(a)
Author Address: (a)National Institute for Environmental Studies, Onogawa 16-2, Tsukuba, 305-0053, Japan

Polychlorinated dibenzo-p-dioxins, polychlorinated dibenzofurans, and coplanar polychlorinated biphenyls in breast milk from two cities in Ukraine.
Author: Gladen Beth C(a); Schecter Arnold J; Paepke Olaf; Shkryyak-Nyzhnyk Zoreslava A; Hryhorczuk Daniel O; Little Ruth E
Author Address: (a)Biostatistics Branch, National Institute of Environmental Health Sciences, Research Triangle Park, NC, 27709, USA

Polychlorinated dibenzo-p-dioxins and dibenzofurans in storm water outfalls adjacent to urban areas and petroleum refineries in San Francisco Bay, California.
Author: Wenning R J(a); Mathur D B; Paustenbach D J; Stephenson M J; Folwarkow S; Luksemburg W J
Author Address: (a)ChemRisk Group, McLaren/Hart, Inc., 1320 Harbor Bay Parkway, Suite 100, Alameda, CA, 94502, USA

Exposure of northern leopard frogs in the Green Bay ecosystem to polychlorinated biphenyls, polychlorinated dibenzo-p-dioxins, and polychlorinated dibenzofurans is measured by direct chemistry but not hepatic ethoxyresorufin-O-deethylase activity.
Author: Huang Yue-Wern(a); Karasov William H; Patnode Kathleen A; Jefcoate Colin R
Author Address: (a)Department of Biochemistry, Wilson Road, East Lansing, MI, 48824-1319, USA

Atmospheric transport of polychlorinated dibenzo-p-dioxins and dibenzofurans (PCDD/Fs) in air masses across the United Kingdom and Ireland: Evidence of emissions and depletion.
Author: Lohmann Rainer(a); Green Nicholas J L; Jones Kevin C
Author Address: (a)Department of Environmental Science, Institute of Environmental and Natural Sciences, Lancaster University, Lancaster, LA1 4YQ, UK
Seasonal, anthropogenic, air mass, and meteorological influences on the atmospheric concentrations of polychlorinated dibenzo-p-dioxins and dibenzofurans (PCDD/Fs): Evidence for the importance of diffuse combustion sources.

Author: Lee Robert G M(a); Green Nicholas J L; Lohmann Rainer; Jones Kevin C

Author Address: (a)Department of Environmental Science, Institute of Environmental and Natural Sciences, Lancaster University, Lancaster, LA1 4YQ, UK


Evaluation of polychlorinated dibenzo-p-dioxin/dibenzofuran (PCDD/F) emission in municipal solid waste incinerators.

Author: Shin Donghoon; Choi Sangmin(a); Oh Jeong-Eun; Chang Yoon-Seok

Author Address: (a)Department of Mechanical Engineering, Korea Advanced Institute of Science and Technology, 373-1, Kusong-Dong, Yusong-Gu, Taejon, 305-701, South Korea


Decline in PCDD and PCDF levels in sewage sludges from Catalonia (Spain).

Author: Eljarrat Ethel; Caixach Josep; Rivera Josep(a)

Author Address: (a)Mass Spectrometry Laboratory, Ecotechnologies Department, C.I.D., C.S.I.C., Jordi Girona 18-26, 08034, Barcelona, Spain


Polychlorinated dibenzo-p-dioxins and dibenzofurans: Their concentrations and profiles in sediments in the Tama River, Japan.

Author: Onodera Sukeo(a); Sugimoto Masakazu; Takagi Tsuyoshi; Tanaka Kazuo

Author Address: (a)Faculty of Pharmaceutical Sciences, Tokyo University of Science, 12 Ichigaya-funagawara-machi, , Japan


Differentiation of polychlorinated dibenzo-p-dioxin and dibenzofuran sources in coastal British Columbia, Canada.

Author: Bright Doug A(a); Cretney Walter J; Macdonald Robie W; Ikonomou Michael G; Grundy Stephen L

Author Address: (a)Applied Research and Environmental Programs, Royal Roads University, 2005 Sooke Road, Victoria, , Canada


Soil monitoring in the vicinity of a municipal solid waste incinerator: Temporal variation of PCDD/Fs.

Author: Schuhmacher M(a); Domingo J L; Granero S; Llobet J M; Eljarrat E; Rivera J

Author Address: (a)Environmental Engineering Laboratory, "Rovira i Virgili" University, 43007, Tarragona, Spain

Polychlorinated dibenzo-p-dioxins and related compounds: The blood levels of young Japanese women.

**Author:** Iida Takao; Hirakawa Hironori; Matsueda Takahiko; Takenaka Shigeyuki

**Author Address:** (a)Division of Food Sciences, Department of Public Hygiene, Fukuoka Institute of Health and Environment, Japan

**Journal:** Chemosphere 38 (15): p 3497-3502 June, 1999

Polychlorinated dibenzo-p-dioxins (PCDDs) and dibenzofurans (PCDFs) in muscle and eggs of salmonid fishes from the Great Lakes.

**Author:** Giesy J P(a); Kannan K; Kubitz J A; Williams L L; Zabik M J

**Author Address:** (a)Department of Zoology, National Food Safety and Toxicology Center, Institute of Environmental To, USA

**Journal:** Archives of Environmental Contamination and Toxicology 36 (4): p 432-446 May, 1999

PCDD/F levels in the vicinity of an old municipal solid waste incinerator: Temporal variation in soils.

**Author:** Domingo J L(a); Schuhmacher M; Granero S; Llobet J M; de Kok HAM

**Author Address:** (a)Laboratory of Toxicology and Environmental Health, Rovira i Virgili University, San Lorenzo 21, , Spain

**Journal:** Archives of Environmental Contamination and Toxicology 36 (4): p 377-383 May, 1999

Clearance of PCDD/Fs via the gastrointestinal tract in occupationally exposed persons.

**Author:** Rohde Susanne; Moser G Andreas; Paepke Olaf; McLachlan Michael S(a)

**Author Address:** (a)Ecological Chemistry and Geochemistry, University of Bayreuth, 95440, Bayreuth, Germany

**Journal:** Chemosphere 38 (14): p 3397-3410 June, 1999

Polychlorinated dibenzo-p-dioxin and polychlorinated dibenzofuran congener profiles in fish, crayfish, and sediment collected near a wood treating facility and a bleached kraft pulp mill.

**Author:** Foster E P(a); Drake D; Farlow R

**Author Address:** (a)Oreg. Dep. Environ. Qual., Water Qual. Div., 811 Southwest 6th Ave., Portland, OR 97204, USA

**Journal:** Bulletin of Environmental Contamination and Toxicology 62 (3): p 239-246 March, 1999

Influence of various consumption habits on the human PCDD/PCDF body burden.

**Author:** Paepke O; Herrmann T

**Author Address:** Ergo Forschungsgesellschaft mbH, Geierstr. 1, D-22305 Hamburg, Germany

**Journal:** Abstracts of Papers American Chemical Society 217 (1-2): p ENVR 43 1999

**Conference/Meeting:** 217th National Meeting of the American Chemical Society Anaheim, California, USA March 21-25, 1999

**Sponsor:** American Chemical Society
Sources of polychlorinated Dibenzo-p-Dioxins and Dibenzoofurans in the United States.
Author: Cleverly David; Schaum John; Winters Dwain; Schweer Greg
Author Address: National Center Environmental Assessment, Office Research Development, U.S. Environmental Protection, USA
Conference/Meeting: 217th National Meeting of the American Chemical Society Anaheim, California, USA March 21-25, 1999

Source distribution and bioaccumulation of PCDD/F in Ya-Er Lake, China.
Author: Xu Y(a); Wu W Z(a); Chen G S(a); Zhang Q H(a); Zhan W(a); Schrammn K-W; Kettrup A
Author Address: (a)Inst. Hydrobiology, Chinese Acad. Sci., Wuhan 430072, China
Conference/Meeting: 217th National Meeting of the American Chemical Society Anaheim, California, USA March 21-25, 1999

The evaluation of PCDD/Fs from various Korean incinerators.
Author: Oh Jeong-Eun; Lee Kyung-Tae; Lee Jae-Whan; Chang Yoon-Seok(a)
Author Address: (a)Sch. Environmental Engineering, Pohang Univ. Sci. Technology, Pohang 790-784, South Korea
Journal: Chemosphere 38 ( 9 ): p 2097-2108 April, 1999

Author: Addison R F(a); Ikonomou M G; Stobo W T
Author Address: (a)Dep. Fish. Oceans, Inst. Ocean Sci., P.O. Box 6000, Sidney, BC V8L 4B2, Canada

Interpreting, correlating and predicting the multimedia concentrations of PCDD/Fs in the United Kingdom.
Author: Cole John G; Mackay Donald(a); Jones Kevin C; Alcock Ruth E
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PCDD/F concentrations in milk of nonoccupationally exposed women living in southern Catalonia, Spain.
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Polychlorinated dibenzo-p-dioxins and dibenzofurans in the remote north Atlantic marine atmosphere.
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September, 2000
 Contribution of PAHs, PCBs, and PCDD/PCDFs to the total induction equivalents (SIGMAIEs) in mollusks.
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 Levels and trends of PCDD/Fs and PCBs in human milk in Finland.
Author: Kiviranta Hannu; Purkunen Raija; Vartiainen Terttu(a)
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 Polychlorinated dibenzo-P-dioxins and dibenzofurans in great barrier reef (Australia) dugongs (Dugong dugon).
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 Atmospheric particle size distributions of polychlorinated dibenzo-p-dioxins and dibenzofurans (PCDD/Fs) and polycyclic aromatic hydrocarbons (PAHs) and their implications for wet and dry deposition.
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 Improvements of the UK PCDD/F and PCB atmospheric emission inventory following an emissions measurement programme.
Author: Alcock Ruth E(a); Gemmill Robert; Jones Kevin C

 PCDD, PCDF and non ortho- and mono ortho- substituted PCB in grey seals (Halichoerus grypus) from Sable Island, N.S., in 1995.
Author: Addison R F(a); Ikonomou M G(a); Stobo W T
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Journal: Canadian Data Report of Fisheries and Aquatic Sciences 0 (1042): p I-III, 1-20 1998

 Dioxins and furans (PCDD/Fs) in marine birds from the southern part of the Baltic Sea.
Author: Falandysz Jerzy(a); Bergqvist Per-Anders; Rappe Christoffer
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Language: Polish; Non-English
Summary Language: Polish; English

 September, 2000
Author: Elliott J E(a); Machmer M M; Henry C J; Wilson L K; Norstrom R J
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PCDD/PCDF on land around an industrial site and identification of source.
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Dioxin (PCDD/F) in the river Elbe: Investigations of their origin by multivariate statistical methods.
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Update of PCDD/PCDF-intake from food in Germany.
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PCB and PCDD/DF concentrations in egg and poultry meat samples from known urban and rural locations in Wales and England.
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PCDD, PCDF, and PCB in farm-raised catfish from southeast United States- Concentrations, sources, and CYP1A induction.
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PCDD/F, PCB and PAH content of Brazilian compost.
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Ambient air PCDD/PCDF concentrations in Montgomery County, Ohio.
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Polychlorinated dibenzo-P-dioxins and polychlorinated dibenzofurans in shellfishes from south coast of Korea.
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Intake and excretion of polychlorinated dibenzo-p-dioxins and dibenzofurans (PCCD/F) in children.
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Conference/Meeting: Sixth Conference of the Society for Hygiene and Environmental Medicine in Tuebingen Tuebingen, Germany March 1-3, 1998
Sponsor: Society for Hygiene and Environmental Medicine

Decrease in the PCDD and PCDF levels in human blood 1991-1996.
Author: Wittsiepe Juergen(a); Schrey Petra(a); Ewers Ulrich; Wilhelm Michael(a); Selenka Fidelis(a)
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Conference/Meeting: Sixth Conference of the Society for Hygiene and Environmental Medicine in Tuebingen Tuebingen, Germany March 1-3, 1998
Sponsor: Society for Hygiene and Environmental Medicine
Language: German; Non-English

Evidence for the presence of PCDD/Fs in the environment prior to 1900 and further studies on their temporal trends.
Author: Alcock R E; McLachlan M S; Johnston A E; Jones K C(a)

PCDD/PCDF: Human background data for Germany, a 10-year experience.
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Journal: Environmental Health Perspectives 106 ( SUPPL. 2 ): p 723-731 April, 1998
PCDD/PCDF indoor exposure in day-care centers and PCDD/PCDF blood concentrations of female employees.

Author: von Manikowsky Sabine(a); Sagunski Helmut; Paepke Olaf; Fabig Karl-Rainer; Neus Hermann; Schuemann Michael; Spannhake Karen; Karmaus Wilfried; Osius Nadia; Zier Bernd

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Estimation of the cumulated exposure to polychlorinated dibenzo-p-dioxins-furans and standardized mortality ratio analysis of cancer mortality by dose in an occupationally exposed cohort.

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Exposure of workers to 2,3,7,8-substituted polychlorinated dibenzo-p-dioxin (PCDD) and dibenzofuran (PCDF) compounds in sawmills previously using chlorophenol-containing antistatin agents.

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Atmospheric inputs of polychlorinated dibenzo-p-dioxins and dibenzofurans to the Great Lakes: Compositional comparison of PCDD and PCDF in sediments.

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PCDD/F Concentrations in Milk of Nonoccupationally Exposed Women Living in Southern Catalonia, Spain

Schuhmacher, M., Rovira i Virgili University, Tarragona, Spain; Domingo, J. L.; Llobet, J. M.; Kiviranta, H.; Vartiainen, T.

Chemosphere v38, n5, p995(10) Feb 99

Recent Trend of Polychlorinated Dibeno-p-dioxins and Their Related Compounds in the Blood and Sebum of Yusho and Yu-Cheng Patients

Iida, Takao, Fukuoka Institute of Health and Environ Sciences, Japan; Hirakawa, Hironori; Matsueda, Takahiko; Takenaka, Shigeyuki; Yu, Mie-Lin; Guo, Yue-Liang Leon

Chemosphere v38, n5, p981(13) Feb 99
Contribution of PAHs, PCBs, and PCDD/PCDFs to the Total Induction Equivalents (grSIEs) in Mollusks
Gardinali, Piero R., (Florida International University, Miami); Wade, Terry L., (Texas A&M University, College Station)
Mar Pollut Bull v37, n1-2, p27(5)
Jan-Feb 98

Levels and Trends of PCDD/Fs and PCBs in Human Milk in Finland
Kiviranta, Hannu, National Public Health Institute, Kuopio, Finland; Purkunen, Raija; Vartiainen, Terttu
Chemosphere v38, n2, p311(13)
Jan 99

Polychlorinated Dibenzo-p-dioxins and Dibenzofurans in Great Barrier Reef (Australia) Dugongs (Dugong dugon)
Haynes, David, Great Barrier Reef Marine Park Authority, Townsville, Australia; Muller, Jochen F.; McLachlan, Michael S.
Chemosphere v38, n2, p255(8)
Jan 99

PCDD/Fs in Textiles-Part II: Transfer from Clothing to Human Skin
Klasmeier, Jorg, University of Bayreuth, Germany; Muhlebach, Anneke; McLachlan, Michael S.
Chemosphere v38, n1, p97(12)
Jan 99

PCDD/PCDF on Land Around an Industrial Site and Identification of Source
Sandalls, John, AEA Technology plc, Abingdon, Oxfordshire, UK; Berryman, Bob; Bennett, Louise; Newstead, Stuart; Fox, Alicia
Chemosphere v37, n9-12, p2225(13) Oct-Nov 98

Polychlorinated Dibenzo-p-dioxins and Polychlorinated Dibenzofurans in Shellfishes from South Coast of Korea
Hashimoto, Shunji, National Institute for Environ Studies, Onogawa, Tsukuba, Japan; Hyeon-Seo, Cho; Morita, Masatoshi
Chemosphere v37, n5, p951(9)
Aug 98

Ambient Air PCDD/PCDF Concentrations in Montgomery County, Ohio
Roth, Andrew J., (Regional Air Pollution Control Agency of the Combined Health District of Montgomery County, Dayton, OH); Riggs, Karen B., (Battelle, Columbus, OH)
Environ Eng Sci v15, n2, p181(9)
1998
12 ORGANOTINS

Organotin compounds in marine organisms.
**Book Title:** Chemical Analysis a Series of Monographs on Analytical Chemistry and its Applications; Element speciation in bioinorganic chemistry  
**Author:** Chiavarini S; Cremisini C; Morabito R  
**Book Author/Editor:** Caroli S: Ed  
**Author Address:** Environ. Chem. Div., ENEA, 00060 Rome, Italy  
**Journal:** Chemical Analysis a Series of Monographs on Analytical Chemistry and its Applications  135 p 287-329 1996  
**Book Publisher:** John Wiley and Sons, Inc., 605 Third Avenue, New York, New York 10158-0012, USA  
John Wiley and Sons Ltd., Baffin Lane, Chichester PO 19 1UD, England  
**Document Type:** Book

Methylmercury and organotin species in sediments of Lower Saxony.  
**Book Title:** Water  
**Original Language Book Title:** Vom Wasser.  
**Author:** Kuballa Juergen(a); Hempel Maximilian(a); Jantzen Eckard(a); Hintelmann Holger(a); Steffen Dieter  
**Book Author/Editor:** Haberer K: Ed  
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**Journal:** Vom Wasser  85 p 35-45 1995  
**Book Publisher:** VCH Verlagsgesellschaft mbH, Postfach 10 11 61, Boschstrasse 12, D-6940 Weinheim, Germany  
VCH Publishers, Inc., Suite 909, 220 East 23rd Street, New York, New York 10010, USA  
**Document Type:** Book  
**Language:** German; Non-English

Effects of organotin compounds in fish: From the molecular to the population level.  
**Book Title:** EXS (Basel); Fish ecotoxicology  
**Author:** Fent Karl(a)  
**Book Author/Editor:** Braunbeck T; Hinton D E; Streit B: Eds  
**Journal:** EXS (Basel)  86 p 259-302 1998  
**Book Publisher:** Birkhaeuser Verlag, P. O. Box 133, CH-4010 Basel, Switzerland  
Birkhaeuser Boston, Inc., 675 Massachusetts Avenue, Cambridge, Massachusetts 02139, USA  
**Document Type:** Book; Literature Review
**Health effects assessment for Tin and compounds**
EPA working group
*Source:* Environmental Protection Agency; EPA/600/8-88/055; 1987; 41 p

**Non-pesticidal organotin compounds**
Anonymous
*Source:* Canadian Environmental Protection Act; 1993; 32 p

**Organotins**
Anonymous
*Source:* Canadian water quality guidelines; Appendix X; 1992; 1-9

**Organotin compounds**
Anonymous
*Source:* Canadian water quality guidelines; 1987

**Tributyltin compounds**
WHO working group
*Source:* Environmental Health Criteria(116); 1990; 273 p

**Organotin compounds in the aquatic environment: Scientific criteria for assessing their effects on environmental quality**
Thompson JAJ; Sheffer MG; Pierce RC; Chau YK; Cooney JJ; Cullen WR; Maguire RJ
*Source:* National Research Council Canada; NRCC No 22494; 1985; 284 p

**Tin and organotin compounds**
WHO Working Group
*Source:* Environmental Health Criteria; 15; 1980; 1-109

**Actin modifications and calcium homeostasis in neurotoxicity: The case of organotin salts.**
*Author:* Marinovich M; Viviani B; Galli C L
*Author Address:* Lab. Toxicol., Inst. Pharmacol. Sci., Univ. Milan, via Balzaretti 9, 20133 Milan, Italy
*Document Type:* Literature Review

**Ecotoxicology of organotin compounds.**
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*Document Type:* Literature Review

**Organotin in the Tagus estuary.**
*Author:* De Bettencourt AMM(a); Andreae M O; Cais Y; Gomes M L; Schebek L; Vilas Boas L F; Rapsomanikis S
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Organotin compounds decrease in vitro survival, proliferation and differentiation of normal human B lymphocytes.

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Organometallic complexes with biological molecules: XIII. Organotin(IV)(meso-tetra(4-carboxyphenyl)porphinate)s and the cell cycle: A flow-cytometric approach.

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Toxicity of certain penta-coordinated organotin(IV) and tetra-coordinated tin(II) complexes of heterocyclic beta-diketones against the larvae of Aedes aegypti (liston).

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Journal: Metal-Based Drugs 6 (3): p 183-186 1999

Significant organotin contamination of sediment and tissues of milkfish in brackish water ponds.

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Organotin compounds and their interactions with microorganisms.

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Contamination of French coastal waters by organotin compounds: 1997 update.

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Mussels as sentinels of organotin pollution: Bioaccumulation and effects on P450-mediated aromatase activity.

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Temporal trends of organotin compounds in the aquatic environment of the Port of Osaka, Japan.
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Journal: Environmental Pollution 105 (1): p 1-7 1999

Levels of organotin compounds in burbot (Lota lota) from Norwegian lakes.
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Inhibition of glutathione S-transferase catalyzed xenobiotic detoxication by organotin compounds in tropical marine fish tissues.
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Organotin compounds in surface and pore waters of Ganga Plain in the Kanpur-Unnao industrial region, India.
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Quantification of organotin compounds and determination of imposex in populations of dogwhelks (Nucella lapillus) from Norway.
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Immunotoxic effects of organotin compounds in Tapes philippinarum.
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Acute toxicity of organotin compounds to the larvae of the rock shell, Thais clavigera, the disk abalone, Haliotis discus discus and the giant abalone, Haliotis madaka.
Author: Horiguchi T(a); Imai T; Cho H S; Shiraishi H; Shibata Y; Morita M; Shimizu M
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Organotin compounds in water, sediment, and biological samples from the Port of Osaka, Japan.
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Ubiquitous imposex and organotin bioaccumulation in gastropods Nucella lapillus from Galicia (NW Spain): A possible effect of nearshore shipping.
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Journal: Marine Ecology Progress Series 164 (0): p 237-244 April 9, 1998

The development of novel organotin anti-tumor drugs: Structure and activity.
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Synthesis, structures and biological activities of organogermanium and organotin derivatives of hydroxamic acid.
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Characterization organotin-resistant bacteria from Boston Harbor sediments.
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Marine invertebrates as bioindicators of organotin contaminants: Immuno- and embryotoxicity.
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Alterations in the organization of the actin cytoskeleton induced by organotin.
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Conference/Meeting: 22nd Annual Meeting of the Deutsche Gesellschaft fuer Zellbiologie (German Society for Cell Biology) Saarbruecken, Germany March 15-19, 1998
Sponsor: German Society for Cell Biology

September, 2000
Dose-dependent induction of apoptosis or necrosis in human cells in organotin compounds.
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Speciation of selenium and organotin compounds in sewage sludge applied to land.
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Comparison of in vitro submitochondrial particle and microtox assays for determining the toxicity of organotin compounds.
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Organotin compounds in solid waste: A review of their properties and determination using high-performance liquid chromatography.
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Bioavailability and bioconcentration of organotin compounds in aquatic organisms.
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Author Address: Swiss Federal Inst. Environ. Sci. Technol, Ueberlandstrasse 133, CH-8600 Duebendorf, Switzerland
Conference/Meeting: 215th American Chemical Society National Meeting Dallas, Texas, USA March 29-April 2, 1998
Sponsor: American Chemical Society

Quantification and effects of organotin compounds in environmental samples from the Norwegian coast.
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Conference/Meeting: 215th American Chemical Society National Meeting Dallas, Texas, USA March 29-April 2, 1998
Sponsor: American Chemical Society
Monitoring of organotin compounds and their effects in marine molluscs.
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Response of fish immune cells to in vitro organotin exposures.
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Effects of tin(IV) chloride and of organotin compounds on aquatic micro-organisms.
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Organotin-induced apoptosis as observed in vitro is not relevant for induction of thymus atrophy at antiproliferative doses.
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Assessment of organotin in waters of selected Gulf of Maine Estuaries.
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Bioaccumulation of organotin compounds and imposex occurrence in a marine food chain (Eastern Scheldt, The Netherlands).
Author: Mensink B P(a); Boon J P; Ten Hallers-Tjabbes C C; Van Hattum B; Koeman J H
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Organotin complexes with pyrrole-2-carboxaldehyde monoacylhydrazones: Synthesis, spectroscopic properties, antimicrobial activity, and genotoxicity.
Author: Bergamaschi G; Bonardi A; Leporati E; Mazza P; Pelagatti P; Pelizzi C; Pelizzi G(a); Rodriguez Arguelles M C; Zani F
Author Address: (a)Università Degli Studi di Parma, Dipt. di Chimica Generale ed Inorganica, Chimica Analitica, Chi, Italy
Solid phase microextraction to study the sorption of organotin compounds onto particulate and dissolved humic organic matter.

Author: Poerschmann Juergen(a); Kopinke Frank-Dieter; Pawliszyn Janusz


Journal: Environmental Science & Technology 31 (12); p 3629-3636 Dec., 1997

Localization and characterization of stannin: Relationship to cellular sensitivity to organotin compounds.

Author: Dejneka Nadine S; Patanow Christine M; Polavarapu Rathagiri; Toggas Stephanie M; Krady J Kyle; Billingsley Melvin L(a)

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Journal: Neurochemistry International 31 (6); p 801-815 Dec., 1997

Organotin compounds in trimethyltin-treated rats and in human brain in Alzheimer's disease.

Author: Martin F; Corrigan F M; Donard O F X; Kelly J; Besson J A O; Horrobin D F

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Journal: Human & Experimental Toxicology 16 (9); p 512-515 Sept., 1997

Accumulation of organotin compounds in the common whelk Buccinum undatum and the red whelk Neptunea antiqua in association with imposex.

Author: Ide I; Witten E P; Fischer J; Kalbfus W; Zellner A; Stroben E; Watermann B (a)

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Journal: Marine Ecology Progress Series 152 (1-3); p 197-203 June 26, 1997

The effects of organotin compounds on growth, respiration rate, and chlorophyll a content of Scenedesmus quadricauda.

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Journal: Ecotoxicology and Environmental Safety 37 (3); p 193-198 1997

Effect of organotin compounds on trout hemoglobins.

Author: Santroni Anna Maria; Fedeli Donatella; Gabbianelli Rosita; Zolese Giovanna; Falcioni Giancarlo(a)

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Journal: Biochemical and Biophysical Research Communications 238 (2); p 301-304 1997

Organotin compounds and polychlorinated biphenyls of livers in squid collected from coastal waters and open oceans.

Author: Yamada Hisashi(a); Takayanagi Kazufumi; Tateishi Masahiro; Tagata Hajime; Ikeda Kumiko

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Journal: Environmental Pollution 96 (2); p 217-226 1997
A synergistic effect of select organotin compounds and ionic surfactants on liposome membranes.
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Organotin leachates in drinking water from chlorinated poly(vinyl chloride) (CPVC) pipe.
Author: Forsyth D S(a); Jay B
Author Address: (a)Food Res. Div., Bureau Chemical Safety 2203D, Food Directorate, Health Protection Branch, Health, Canada

Occurrence of organotin compounds in the Canadian aquatic environment five years after the regulation of antifouling uses of tributyltin.
Author: Chau Y K; Maguire R J; Brown M; Yang F; Batchelor S P
Author Address: National Water Res. Inst., Environment Canada, Canada Cent. Inland Waters, 867 Lakeshore Rd., Burlin, Canada

Organotin monitoring in the southern Gulf of St. Lawrence.
Author: St-Jean S D(a); Courtenay S C(a); Pelletier E
Author Address: (a)Dep. Fisheries Oceans, Gulf Fisheries Centre, P.O. Box 5030, Moncton, NB E1C 9B6, Canada
Journal: Canadian Technical Report of Fisheries and Aquatic Sciences  0 ( 2163 ): p 56-57 1997

Organotin contamination and related imposex studies in southern BC coastal waters.
Author: Thompson J A J
Author Address: Inst. Ocean Sci., PO Box 6000, Sidney, BC V8L 4B2, Canada

The effect of organotin compounds on the permeability of model biological membranes.
Author: Cullen William R(a); Herring F Geoffrey; Nwata Basil U
Author Address: (a)Environ. Chem. Group, Dep. Chem., Univ. B.C., Vancouver, BC V6T 1Z1, Canada

Biological indicators used to map organotin contamination from a fishing port, Killybegs, Ireland.
Author: Minchin Dan(a); Bauer Barbara; Oehlmann Joerg; Schulte-Oehlmann Ulrick; Duggan Colm B
Author Address: (a)Fishers Res. Centre, Dep. Marine, Abbotstown, Dublin 15, Ireland

September, 2000
Imposex in sea snails, caused by organotin (tributyltin and triphenyltin) pollution in Japan: A survey.
Author: Horiguchi Toshihiro(a); Shiraishi Hiroaki(a); Shimizu Makoto; Morita Masatoshi(a)
Author Address: (a)Natl. Inst. Environ. Studies, 16-2 Onogawa, Tsukuba, Ibaraki 305, Japan

Role of hydrophobic and hydrophilic interactions of organotin and organolead compounds with model lipid membranes.
Author: Gabrielska Janina(a); Sarapuk Janusz; Przestalski Stanislaw
Author Address: (a)Dep. Phys. Biophys., Agric. Univ., Norwida 25, 50-375 Wroclaw, Poland

In vivo and in vitro genotoxicities of organotin pesticides.
Author: Wei L Y; Chao J S; Hong C C
Author Address: National Lab. Animal Breeding, Res. Cent., National Science Council, Taipei, Taiwan
Conference/Meeting: 28th Annual Meeting of the Environmental Mutagen Society Minneapolis, Minnesota, USA April 19-23, 1997

Effects of triphenyltin chloride and five other organotin compounds on the development of imposex in the rock shell, Thais clavigera.
Author: Horiguchi Toshihiro(a); Shiraishi Hiroaki; Shimizu Makoto; Morita Masatoshi
Author Address: (a)Environ. Chemistry Div., Natl. Inst. Environ. Studies, 16-2 Onogawa, Tsukuba, Ibaraki 305, Japan

Survey of organotin compounds in the Western Mediterranean using molluscs and fish as sentinel organisms.
Author: Morcillo Y; Borghi V; Porte C(a)
Author Address: (a)Dep. Environ. Chem., Cent. Invest. Desarrollo, Consejo Superior Invest. Cientificas, C/Jordi Gir, Spain

Interaction of organotin and organolead compounds with model membranes.
Author: Przestalski S; Sarapuk J; Gabrielska J; Klesczynska H; Hladyszowski J
Author Address: Dep. Phys. Biophys., Agr. Univ., Wroclaw, Poland
Conference/Meeting: XIIth International Biophysics Congress Amsterdam, Netherlands August 1-16, 1996

Correlation of coordination geometries and stability factors in organotin(IV) derivatives of 4-acylpyrazol-5-ones with their fungicidal (mycelial control) and insecticidal (topical toxicity, larvicidal and ovicidal) activities.
Author: Omotowa B Ayo(a); Mesubi M Adediran
Author Address: (a)Dep. Chem., Univ. Ilorin, P.M.B. 1515, Ilorin, Nigeria

September, 2000
Acute toxic effects of organotin compounds on benthic organisms: Tubifex tubifex and Chironomus plumosus.
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Comparison of the effectiveness of various organotin compounds with 2-thiocyanomethylthiobenzothiazoles as anti-fungal and anti-mould wood preservatives.
Author: Kizlink Juraj; Fargasova Agata(a); Reinprecht Ladislav
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Quantitative structure-activity relationship study for toxicity of organotin compounds on algae.
Author: Huang G; Sun H(a); Dai S
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Toxicity of organotin compounds on embryos of a marine invertebrate (Styela plicata: Tunicata).
Author: Cima Francesca(a); Ballarin Loriano; Bressa Giuliano; Martinucci Gianbruno; Burighel Paolo
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Chemical species of organotin compounds in seawater and their seasonal variations.
Author: Suzuki Takashi(a); Yamada Hisashi; Yamamoto Isao; Nishimura Kazuhiko; Kondo Kazunari; Murayama Mitsunori; Uchiyama Mitsuru
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Determination of organotin compounds in the foodweb of a shallow freshwater lake in the Netherlands.
Author: Stab J A(a); Traas T P; Stroomberg G; Van Kesteren J; Leonards P; Van Hattum B; Brinkman U A T; Cofino W P
Author Address: (a) Dune Water Works, P.O. Box 34, 2270 AA Voorburg, Netherlands
Journal: Archives of Environmental Contamination and Toxicology 31 ( 3 ): p 319-328 1996

Organotin toxicity in primary glial cell culture.
Author: Hardy V C; Sobolik R; Eyer C L
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Conference/Meeting: 26th Annual Meeting of the Society for Neuroscience Washington, D.C., USA November 16-21, 1996

September, 2000
Effect of organotin compounds on the growth of the freshwater alga Scenedesmus quadricauda.
Author: Fargasova Agata(a); Kizlink Juraj

Toxic effects of organotin species on algae.
Author: Huang Guolan; Dai Shugui; Sun Hongwen
Author Address: Dep. Environ. Sci., Nankai Univ., Tianjin 300071, China

Inhibitive effect of organotin compounds on the chlorophyll content of the green freshwater alga Scenedesmus quadricauda.
Author: Fargasova A
Author Address: Slovak Technical Univ., Fac. Chemical Technology, Dep. Environ. Sci., Radlinskeho 9, 812 37 Bratisla, Slovakia

Author: Ernst W R; Hennigar P; Julien G; Hanson J
Author Address: Environment Canada, Environment Protection Branch, Dartmouth, NS B2Y 2N6, Canada
Journal: Canadian Technical Report of Fisheries and Aquatic Sciences 0 (2093): p 145-146 1996
Conference/Meeting: 22nd Annual Aquatic Toxicity Workshop St. Andrews, New Brunswick, Canada October 2-4, 1995

Organotin compounds in municipal wastewater and sewage sludge: Contamination, fate in treatment process and ecotoxicological consequences.
Author: Fent Karl
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Respirometric toxicity test: Freshwater alga Scenedesmus quadricauda sensitivity to organotin compounds.
Author: Fargasova A(a); Drtil M

Speciation of organotin compounds in fish samples.
Author: Shawky S; Emons H; Duerbeck H W
Biological indicators used to map organotin contamination in Cork Harbour, Ireland.
**Author:** Minchin Dan(a); Stroben Eberhard; Oehlmann Jorg; Bauer Barbara; Duggan Colm B(a); Keatinge Michael(a)
**Author Address:** (a)Fisheries Res. Cent., Dep. Marine, Abbotstown, Dublin 15, Ireland

Acute effect of organotin compounds to Red Sea bream and red carp using biological parameters.
**Author:** Kawano A T Baba; Mizukami Y; Arizono K; Ariyoshi T(a)
**Author Address:** (a)Dep. Hygienic Chem. Toxicol., Fac. Pharm. Sci., Negasaki Univ., 1-14 Bunkyo-cho, Negasaki 852, Japan
**Journal:** Bulletin of Environmental Contamination and Toxicology 56 (5): p 774-781 1996

The distribution of organotin compounds in the north-eastern Mediterranean.
**Author:** Kubilay Nilgun; Yemenicioglu Semal; Tugrul Suleyman; Salihoglu Ilkay
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Determination of toxicity of organotin compounds on root growth of Sinapis alba seeds.
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**Author Address:** Dep. Environmental Sci., Slovak Technical Univ., Fac. Chem. Technol., adlinskeho 9, SK-812 37 Brati, Slovakia
**Journal:** Biologia (Bratislava) 50 (6): p 601-604 1995

Effect of organotin compounds on membrane lipids: Fluorescence spectroscopy studies.
**Author:** Ambrosini Annarina(a); Bertoli Enrico; Zolese Giovanna
**Author Address:** (a)Ist. Biochim., Fac. Med. Chirurgia, Univ. degli Studi Ancona, Italy

Differential effects of organotin compounds on voltage-gated potassium currents in lymphocytes and neuroblastoma cells.
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**Journal:** Naunyn-Schmiedeberg's Archives of Pharmacology 353 (2): p 136-143 1996

Breakage of lambda-DNA by inorganic tin and organotin compounds as environmental pollutants.
**Author:** Hamasaki Tetsuo(a); Sato Takahiko; Nagase Hisamitsu; Kito Hideaki
**Author Address:** (a)Nagoya City Public Health Res. Inst., 1-11 Higayama-cho, Mizuho-ku, Nagoya 467, Japan
**Journal:** Applied Organometallic Chemistry 9 (8): p 693-697 1995
Survey of nine organotin compounds in the Netherlands using the zebra mussel (Dreissena polymorpha) as biomonitor.
**Author:** Stab Joan A(a); Freriks Michel Vv Frenayo L; Brinkman Udo A T; Cofino Wim P
**Author Address:** (a)Inst. Environmental Studies, Free Univ., De Boelalaan 1115, 1081 HV Amsterdam, Netherlands
**Journal:** Environmental Toxicology and Chemistry 14 (12): p 2023-2032 1995

Laboratory and field investigations on the effects of organotin (tributyltin) on the oyster, Ostrea edulis.
**Author:** Axiak V(a); Sammut M; Chircop P; Vella A; Mintoff B
**Author Address:** (a)Marine Ecotoxicol. Lab., Dep. Biol., Univ. Malta, Msida, Malta
**Journal:** Science of the Total Environment 171 (1-3): p 117-120 1995

Cytotoxicity in vitro of organotin compounds to fish hepatoma cells PLHC-1 (Poeciliopsis lucida).
**Author:** Brueschweiler Beat J; Wuergler Friedrich E; Fent Karl
**Author Address:** Swiss Federal Inst. Environmental Sci. Technol., Uberlandstrasse 133, CH-8600 Dubendorf, Switzerland
**Journal:** Aquatic Toxicology (Amsterdam) 32 (2-3): p 143-160 1995

Estimation of the hemolytic effects of various organotin compounds by structure-activity relationships.
**Author:** Hamasaki Tetsuo(a); Masumoto Hideki; Sato Takahiko; Nagase Hisamitsu; Kito Hideaki; Yoshioka Yoshitada
**Author Address:** (a)Nagoya City Public Health Res. Inst., 1-11 Hagiyma-cho, Mizuho-ku, Nagoya City 467, Japan
**Journal:** Applied Organometallic Chemistry 9 (2): p 95-104 1995

The thymus atrophy-inducing organotin compound DBTC inhibits the binding of thymocytes to thymic epithelial cells.
**Author:** Pieters Raymond H H(a); Albers Ruud(a); Bleumink Rob(a); Snoeij Niek J; Itoh Tsunetoshi; Seinen Willem(a); Penninks Andre H(a)
**Author Address:** (a)Res. Inst. Toxicol., Immunotoxicol. Sect., Univ. Utrecht, Utrecht, Netherlands
**Journal:** International Journal of Immunopharmacology 17 (4): p 329-337 1995

Organotin compounds induce calcium overload and apoptosis in PC12 cells.
**Author:** Viviani B; Rossi A D; Chow S C; Nicotera P(a)
**Author Address:** (a)Inst. Environ. Med., Div. Toxicol., Karolinska Inst., P.O. Box 210, 171-77, Stockholm, Sweden
**Journal:** Neurotoxicology (Little Rock) 16 (1): p 19-26 1995

Speciation of organotin compounds in environmental matrices.
**Author:** Morabito Roberto
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In vitro antiproliferative effects, toxicity profiles in vivo in mice and antitumor activity in tumour-bearing mice of five organotin compounds.
Author: Gielen Marcel(a); Willem Rudolph; Bouhdid Abdeslam; De Vos Dick; Kuiper C M; Veerman G; Peters G J
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Acid extraction treatment of sediment samples for organotin speciation; occurrence of butyltin and phenyltin compounds on the Cadiz Coast, South-West Spain.
Author: Gomez-Ariza J L(a); Beltran R; Morales E; Giraldez I; Ruiz-Benítez M
Author Address: (a)Dep. Quim. Ciencia Materiales, Escuela Politecnica Superior, Univ. Huelva, La Pabida, Palas de F, Spain

Effects of salinity, pH and temperature on aqueous solubility of four organotin compounds.
Author: Inaba Kazuho(a); Shiraishi Hiroaki; Soma Yuko
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Source of organotin at a marine water/sediment interface: A field study.
Author: Stuer-Lauridsen F(a); Dahl B
Author Address: (a)Natl. Environ. Res. Inst., Dep. Environ. Chem., Frederiksborgvej 399, P. O. Box 358, DK-4000 Ros, Denmark

Occurrence of organotin compounds in water and biota from Alexandria Harbours.
Author: Abd-Allah Aly M A
Author Address: Marine Environmental Dep., National Inst. Oceanography Fisheries, Kayet Bey, Alexandria, Egypt

Speziesanalytik von zinnorganischen Verbindungen zur Aufklärung ihrer Biopfade in der aquatischen Umwelt. (Species analysis of organotin compounds to investigate their pathway in the aquatic environment)
( Diss )
Kuballa, J.
Report Number: GKSS-97/E/31
1997   155p
Language: German Document Type: Thesis
U.S. Sales Only. Product reproduced from digital image. Order this product from NTIS by: phone at 1-800-553-NTIS (U.S. customers); (703)605-6000 (other countries); fax at (703)321-8547; and email at orders@ntis.fedworld.gov. NTIS is located at 5285 Port Royal Road, Springfield, VA, 22161, USA.
Endocrine Disrupters in Municipal Sewage Sludge-The Example of Organotin Compounds
Kuballa, Jurgen, GALAB Umweltlaboratorium, Geesthacht, Germany; Jantzen, Eckard; Steffen, Dieter
Wasser Boden  p30(3)
Sep 98
Language: German, English abstract

Organotin compounds and their interactions with microorganisms
White, J.S.; Tobin, J.M.; Cooney, J.J.
Canadian Journal of Microbiology/Revue Canadienne de Microbiologie  VOL. 45, NO. 7 ,  pp. 541-554 ,  Publication Year: 19990700
SUMMARY LANGUAGE - ENGLISH

Effect of organotin compounds on trout hemoglobins.
Santroni, A. M.; Fedeli, D.; Gabbianelli, R.; Zolese, G.; Falcioni, G.
Department of M.C.A. Biology, University of Camerino, Via Camerini, 2, 62032 Camerino, MC, Italy.
Biochemical and Biophysical Research Communications  vol. 238 ( 2 ): p.301-304
Publication Year: 1997

Comparison of in vitro submitochondrial particle and Microtox (R) assays for determining the toxicity of organotin compounds.
Argese, E.; Bettiol, C.; Ghirardini, A. V.; Fasolo, M.; Giurin, G.; Ghetti, P. F.
EMAIL: argese@unive.it
Corporate Source: Universita di Venezia, Dipartimento di Scienze Ambientali, Venezia, Italy
Source: Environmental Toxicology and Chemistry , 1998 VOL. 17, NO. 6 (June) , 1005
Publication Year: 1998

Organotin levels in seafood
Belfroid A.C.; Purperhart M.; Ariese F.
A.C. Belfroid, Institute for Environmental Studies, Vrije Universiteit, De Boelelaan 1115, 1081 HV Amsterdam  Netherlands
Marine Pollution Bulletin ( MAR. POLLUT. BULL. ) ( United Kingdom )  2000 , 40/3 (226-232)

Stability of model membranes in the presence of organotin compounds
SARAPUK J; KLESZCZYNSKA H; PRZESTALSKI S
Department of Physics and Biophysics, Agricultural University, Norwida 25 50-375 Wroclaw, Poland
Journal: Applied organometallic chemistry,  2000, 14 (1) 40-47
13 ORGANIC MERCURY

Mercury Study Report to Congress. Volume 5. Health Effects of Mercury and Mercury Compounds
Hassett-Sipple, B.; Swartout, J.; Schoeny, R.
Environmental Protection Agency, Research Triangle Park, NC. Office of Air Quality Planning and Standards.
**Report Number:** EPA/452/R-97/007
Dec 97 366p

Pollution And Harbour Porpoises In The Eastern North Atlantic A Review
Aguilar A; Borrell A
**Coden:** Risie

Mercury and mercury compounds
Anonymous
**Source:** IARC Monographs on the evaluation of the carcinogenic risk of chemicals to humans; 58; 1993; 239-345

Toxicological profile for mercury
Anonymous
**Source:** Agency for Toxic Substances and Disease Registry U.S. Public Health Service; ATSDR/TP-89/16; 1989; 164 p

Mercury - environmental aspects
WHO Working group
**Source:** Environmental Health Criteria(86); 1989; 115 p

Basic toxicology of pesticides.
**Author:** Costa Lucio G
**Author Address:** Dep. Environ. Health, Univ. Washington, 4225 Roosevelt No. 100, Seattle, WA 98105, USA
**ISSN:** 0885-114X
**Document Type:** Literature Review

Human health effects of environmental mercury exposure.
Institute of Community Health, Odense University, 5000 Odense, Denmark.
Environmental Research, Section A vol. 77 ( 2 ): p.67-178
**Publication Year:** 1998
**Editors:** Grandjean, P.
**Document Type:** Conference proceedings
Human health and health of the Adriatic Sea.
Author: Serman Drasko; Peruzovic Marijana; Herman Cedomil; Serman Alan(a)
Author Address: (a)Dep. Biol., Med. Sch., University Zagreb, Salata 3, 41000 Zagreb, Croatia
Document Type: Literature Review

Toxicity of mercury
Langford N.J.; Ferner R.E.
N.J. Langford, Ctr. Adverse Drug Reaction Reporting, City Hospital, Dudley Road, Birmingham B18 7QH United Kingdom
Journal of Human Hypertension ( J. HUM. HYPERTENS. ) ( United Kingdom ) 1999 , 13/10 (651-656)

Human exposure to mercury: a critical assessment of the evidence of adverse health effects.
Author: Ratcliffe, H. E. ; Swanson, G. M. ; Fischer, L. J.
Corporate Source: Cancer Centre , Michigan State Univ. , A128 East Fee Hall, East Lansing, MI 48824-1316 , USA
Publication Date: 25 Oct 1996 ( 961025 )

Organochlorines and heavy metals in pregnant women from the Disko Bay area in Greenland.
Author: Bjerregaard Peter(a); Hansen Jens C
Author Address: (a)Section for Research in Greenland, National Institute of Public Health, Svanemollevej 25, 2100, Copenhagen O, Denmark

The effects of inorganic and organic mercury on antioxidant status in the dually perfused human term placenta.
Author: Seiler K(a); Schroeder S(a); Schleussner E(a); Kluss S(a); Winnefeld K; Seewald H-J(a)
Author Address: (a)Dept. Obstet., Friedrich-Schiller-University, Jena, Germany
Conference/Meeting: 5th Conference of the International Federation of Placenta Associations and the 8th Meeting of the European Placenta Group Schladming, Austria September 26-29, 1999

Fatal poisoning from liquid dimethylmercury: A neuropathologic study.
Author: Siegler Richard W(a); Nierenberg David W; Hickey William F
Author Address: (a)UPMC Health System, 200 Lothrop Street, PUH-C618, Pittsburgh, PA, 15213-2582 , USA

Toxicity of organic and inorganic mercury to Saccharomyces cerevisiae.
Author: Kungolos Athanassios; Aoyama Isao(a); Muramoto S
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September, 2000
Autometallographic mercury correlates with degenerative changes in dorsal root ganglia of rats intoxicated with organic mercury.
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Retention of methyl mercury and inorganic mercury in rainbow trout Oncorhynchus mykiss (W): Effect of dietary selenium.
Author: Bjerregaard Poul(a); Andersen Beth W; Rankin J Cliff
Author Address: (a)Aquatic Biology Group, Institute of Biology, Odense University, Campusvej 55, DK-5230, Odense M, Denmark
Journal: Aquatic Toxicology (Amsterdam) 45 ( 2-3 ): p 171-180 April, 1999

Reproductive performance of two generations of female semidomesticated mink fed diets containing organic mercury contaminated freshwater fish.
Author: Dansereau M; Lariviere N; Du Tremblay D; Belanger D
Author Address: Univ. Montreal, Fac. Vet. Med., C.P.5000 St-Hyacinthe, PQ J2S 7C6, Canada

Preliminary evidence of neurotoxicity associated with eating fish from the Upper St. Lawrence River Lakes.
Author: Mergler D(a); Belanger S; Larribe F; Panisset M; Bowler R; Baldwin M; Lebel J; Hudnell K
Author Address: (a)Cent. l'Etudes Interactions Biologiques Sante Environnement, Univ. Quebec Montreal, CP 8888, suc, Canada

Consumption of fatty fish from the Baltic Sea and PCB in whole venous blood, plasma and cord blood from delivering women in the Aland/Turku Archipelago.
Author: Hagmar Lars(a); Becher Georg; Heikkila Anne; Frankman Olle; Dyremark Eva; Schutz Andrej; Ahlborg Ulf G; Dybing Erik

Selective involvement of large motor neurons in the spinal cord of rats treated with methylmercury.
Author: Su Mu; Wakabayashi Koichi; Kakita Akiyoshi; Ikuta Fusahiro; Takahashi Hitoshi
Author Address: Dep. Pathol., Brain Res. Inst., Niigata Univ., 1 Asahimachi, Niigata 951-8585, Japan

Organic mercury determination in fish samples using an automatic mercury analyser.
Author: Scerbo R; Barghigiani C(a)
Author Address: (a)CNR Inst. Biophys., Via San Lorrenzo 26, 56100 Pisa, Italy
Percent methylmercury and organic mercury in tissues of marine mammals and fish using different experimental and calculation methods.
**Author:** Wagemann Rudolf(a); Trebacz Ewa; Hunt Robert; Boila Gail
**Author Address:** (a)Dep. Fish. Oceans, Central Arctic Region, Freshwater Inst., 501 University Crescent, Winnipeg, M, Canada
**Journal:** Environmental Toxicology and Chemistry 16 (9): p 1859-1866 1997

Evaluation of the protective role of melatonin against organic mercury-induced developmental toxicity in mice.
**Author:** Esparza J L; Colomina M T; Domingo J L(a); Corbella J
**Author Address:** (a)Lab. Toxicol. Environ. Health, Sch. Med., San Lorenzo 21, E-43201 Reus, Spain
**Journal:** Trace Elements and Electrolytes 14 (3): p 134-139 1997

Ecotoxicological and pathological studies of common guillemots Uria aalge beached on the Belgian coast during six successive wintering periods (1989-90 to 1994-95).
**Author:** Debacker V(a); Holsbeek L; Tapia G; Gobert S(a); Joiris C R; Jauniaux T; Coignoul F; Bouquegneau J-M(a)
**Author Address:** (a)Oceanol. Dep., Univ. Liege, B6 Sart Tilman, B-4000 Liege, Belgium
**Journal:** Diseases of Aquatic Organisms 29 (3): p 159-168 1997

Total and organic mercury in the starfish Ctenodiscus crispatus and polychaete Maldanes sarsi from the Barents Sea.
**Author:** Ali I B; Joiris C R(a); Holsbeek L
**Author Address:** (a)Lab. Ecotoxicol. Polar Ecol., Free Univ. Brussels, Pleinlaan 2, B-1050 Brussels, Belgium
**Journal:** Science of the Total Environment 201 (3): p 189-194 1997

Representation of the visual field in the striate cortex: Comparison of MR findings with visual field deficits in organic mercury poisoning (Minamata disease).
**Author:** Korogi Yukunori(a); Takahashi Mutsumasa; Hirai Toshinori; Ikushima Ichiro; Kitajima Mika; Sugahara Takeshi; Shigematsu Yoshinori; Okajima Toru; Mukuno Kazuo
**Author Address:** (a)Dep. Radiol., Kumamoto Univ. Sch. Med., 1-1-1, Honjo, Kumamoto City 860, Japan
**Journal:** AJNR 18 (6): p 1127-1130 1997

Biological monitoring for mercury within a community with soil and fish contamination.
**Author:** Harnly Martha(a); Seidel Sharon; Rojas Primitivo; Fornes Raymond; Flessel Peter; Smith Daniel; Kreutzer Richard; Goldman Lynn
**Author Address:** (a)Environmental Health Investigations Branch, California Dep. Health Services, 151 Berkeley Way, A, USA
**Journal:** Environmental Health Perspectives 105 (4): p 424-429 1997

The effect of selenium on the localization of autometallographic mercury in dorsal root ganglia of rats.
**Author:** Schionning J D(a); Eide R; Ernst E(a); Danscher G(a); Moller-Madsen B(a)
**Author Address:** (a)Dep. Neurobiol., Inst. Anatomy, Univ. Aarhus, DK-800 Aarhus C, Denmark
Effect of ethanol pretreatment on mercury distribution in organs of fetal guinea pigs following in utero exposure to mercury vapor.
Author: Yoshida Minoru(a); Satoh Hiroshi; Sumi Yawara
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Interaction of mercury compounds with muscarinic receptor subtypes in the rat brain.
Author: Castoldi Anna F; Candura Stefano M; Costa Paola; Manzo Luigi; Costa Lucio G(a)
Author Address: (a)Dep. Environ. Health, Box 354695, Univ. Washington, Seattle, WA 98195, USA

Embryotoxicity of nine seed mordants in the chick embryo: The CHEST method.
Author: Peterka M(a); Tucek M; Vesely D
Author Address: (a)Dep. Teratol., Inst. Experimental Med., Academy Sci. Czech Republic, Videnska 1083, CZ-14220 Pra, Czech Republic

Comparison of the developmental effects of two mercury compounds on glial cells and neurons in aggregate cultures of rat telencephalon.
Author: Monnet-Tschudi Florianne(a); Zurich Marie-Gabrielle; Honegger Paul
Author Address: (a)Inst. Physiology, Univ. Lausanne, Rue du Bugnon 7, CH-1005 Lausanne, Switzerland

Total and organic mercury in Greenland and Barents Seas demersal fish.
Author: Joiris C R(a); Ali I B; Holsbeek L; Kanuya-Kinoti M; Tekele-Michael Y
Author Address: (a)Lab. Ecotoxicol. Polar Ecol., Free Univ. Brussels, Pleinlaan 2, B-1050 Brussels, Belgium

Hepatotoxic effects of SH-reagents in human and rat hepatocyte cultures and in situ perfused rat livers.
Author: Boot J H
Author Address: c/o Irisstraat 68, 3434 HN Nieuwegein, Netherlands

Occupational health monitoring practices of registered mercury-using workplaces within Gauteng.
Author: Weiner R(a); Ross M
Author Address: (a)Dep. Community Health, Univ. Witwatersrand, Johannesburg, South Africa
Organic mercury exposure among the Yanomama of Roraima, Brazil.
Author: Sing K(a); Hryhorczuk D; Saffirio G; Sinks T; Paschal D; Sorenson J; Chen E
Author Address: (a)Univ. Wisconsin, Madison, WI, USA

Effect of mercuric chloride intoxication and dimercaprol treatment on delta-aminolevulinate dehydratase from brain, liver and kidney of adult mice.
Author: Emanuelli T; Rocha J B T(a); Pereira M E; Porciuncula L O; Morsch V M; Martins A F; Souza D O G
Author Address: (a)Dep. Chem., Santa Maria Federal Univ., Univ. Campus-Camobi, 97119-900 Santa Maria, RS, Brazil
Journal: Pharmacology & Toxicology 79 ( 3 ): p 136-143 1996

Relations between pesticides and reproduction. Short survey.
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Language: Hungarian; Non-English Summary Language: Hungarian; English

Total and inorganic mercury in breast milk and blood in relation to fish consumption and amalgam fillings in lactating women.
Author: Oskarsson Agneta(a); Schuetz Andrejs; Skerfving Staffan; Hallen Ira Palminger; Ohlin Birgit; Lagerkvist Birgitta Json
Author Address: (a)Dep. Food Hygiene, Swedish Univ. Agricultural Sci., P.O. Box 7009, S-750 07 Uppsala, Sweden
ISSN: 0003-9896

Voltage-activated calcium channel currents of rat DRG neurons are reduced by mercuric chloride (HgCl-2) and methylmercury (CH-3HgCl).
Author: Leonhardt R; Pekel M; Platt B; Haas H L; Buesselberg D(a)
Author Address: (a)Inst. Physiologie II, Hufelandstr. 5, 45122 Essen, Germany

Cerebellar degeneration and apoptosis in organic mercury intoxication.
Author: Fujii Yukiko; Shimizu Kazuko; Nukuzuma Souichi; Tsukamoto Tetsu; Nagashima Kazuo
Author Address: Dep. Pathol., Hokkaido Univ. Sch. Med., Sapporo, Japan
Conference/Meeting: 36th Annual Meeting of the Japan Society of Histochemistry and Cytochemistry Sapporo, Japan September 9-10, 1995
Total and organic mercury concentrations in offshore crustaceans of the Ligurian Sea and their relations to the trophic levels.
Author: Minganti V(a); Capelli R; De Pellegrini R; Relini L Orsi; Relini G
Author Address: (a)Ist. Analisi Tecnologie Farmaceutiche Alimentari, Univ. Genova, Via Brigata Salerno, 16147 Genov, Italy

Effects of acute exposure to mercury chloride and methylmercury on plasma cortisol, T3, T4, glucose and liver glycogen in rainbow trout (Oncorhynchus mykiss).
Author: Bleau H; Daniel C; Chevalier G; Van Tra H; Hontela A(a)
Author Address: (a)Dep. Sci. Biologiques, Lab. TOXEN, Univ. Quebec Montreal, C.P. 8888, Succ. A. Montreal, PQ H3C 3, Canada
Journal: Aquatic Toxicology (Amsterdam) 34 (3): p 221-235 1996

Neurologic features of chronic Minamata disease (organic mercury poisoning) certified at autopsy.
Author: Uchino Makoto(a); Okajima Toru; Eto Komyo; Kumamoto Toshihide; Mishima Isao; Ando Masayuki
Author Address: (a)First Dep. Intern. Med., Kumamoto Univ. Sch. Med., 1-1-1 Honjo, Kumamoto 860, Japan

The biological monitoring of mercury in the Seychelles study.
Author: Cernichiari Elsa(a); Toribara Taft Y; Liang Lian; Marsh David O; Berlin Maths W; Myers Gary J; Cox Christopher; Shamlaye Conrad F; Choisy Octavie; Davidson Philip; Clarkson Thomas W
Author Address: (a)Department Environmental Medicine, Box EHSC, University Rochester School Medicine, Rochester, NY, USA

Assessment of the protective activity of monoisoamyl meso-2,3-dimercaptosuccinate against methylmercury-induced maternal and embryo/fetal toxicity in mice.
Author: Belles Montserrat; Sanchez Domenec J; Gomez Mercedes; Domingo Jose L(a); Jones Mark M; Singh Pramod K
Author Address: (a)Lab. Toxicol. Biochem., Sch. Med., ‘Rovira, Virgili’ Univ., San Lorenzo 21, Reus 43201, Spain

Inorganic and organic mercury differently affect central muscarinic receptor binding and enteric cholinergic transmission.
Author: Castoldi F(a); Candura S M(a); Messori E(a); Tonini M(a); Costa L G; Manzo L(a)
Author Address: (a)Toxicol. Unit, Clin. Lavoro Found., Univ. Pavia, Pavia, Italy
Conference/Meeting: Fifth Meeting of the International Neurotoxicology Association Port Ludlow, Washington, USA June 25-30, 1995
Oral lichenoid lesions, mercury hypersensitivity and combined hypersensitivity to mercury and other metals: Histologically-proven reproduction of the reaction by patch testing with metal salts.

Author: Koch Patrick(a); Bahmer Friedrich A
Author Address: (a)Hautklin. der Univ. Saarlandes, D-66421 Homburg/Saar, Germany

Total and organic mercury in Barents Sea pelagic fish.

Author: Joiris C R(a); Ali I B; Holsbeek L; Bossicart M; Tapia G
Author Address: (a)Lab. Ecotoxicol. Polar Ecol., Free Univ. Brussels (VUB), Pleinlaan, 2, B-1050 Brussels, Belgium

Quantitative and qualitative distribution of mercury in organs from Arctic sledgedogs: An atomic absorption spectrophotometric and histochemical study of tissue samples from natural long-terminated high dietary organic mercury-exposed dogs from Thule, Greenland.

Author: Hansen Jens C(a); Danscher Gorm
Author Address: (a)Cent. Arctic Med. Res., Univ. Aarhus, Build. 180, DK-8000 Aarhus C, Denmark

Neurologic features of chronic Minamata disease (organic mercury poisoning) and incidence of complications with aging.

Author: Uchino Makoto(a); Tanaka Yoshiya(a); Ando Yukio(a); Yonehara Toshiro(a); Hara Akio(a); Mishima sao; Okajima Toru; Ando Masayuki(a)
Author Address: (a)First Dep. Internal Med., Kumamoto Univ. Sch. Med., 1-1-1 Honjo, Kumamoto 860, Japan

Structural preservation of cerebellar granule cells following neurointoxication with methyl mercury: A stereological study of the rat cerebellum.

Author: Overgaard Larsen Jytte(a); Braendgaard Hans
Author Address: (a)Stereological Res. Lab., Inst. Experimental Clinical Res., Univ. Inst. Pathology, Bartholin Buil, Denmark

The effect of selenium on the handling of mercury in the shore crab Carcinus maenas.

Author: Larsen Lise Fog; Bjerregaard Poul(a)
Author Address: (a)Ecotoxicol. Group, Inst. Biol., Odense Univ., Campusvej 55, DK-5230 Odense M, Denmark

Downward migration of mercury in an old orchard sandy soil.

Author: Elfving Don C; Wilson Kenneth R; Ebel Joseph G Jr; Manzell Kerry L; Gutemann Walter H; Lisk Donald J(a)
Author Address: (a)Toxic Chemicals Lab., New York State College of Agriculture and Life Sciences, Cornell Univ., It, USA
Fate and distribution of toxic heavy metals in some marine organisms from the eastern Adriatic coast.
Author: Vukadin I; Zvonaric T; Odzak N
Author Address: Inst. Oceanography Fish., 58000 Split, Croatia

Effects of SH-blocking compounds on the energy metabolism in isolated rat hepatocytes.
Author: Boot J H
Author Address: Dep. Veterinary Pharmacology, Pharmacy Toxicology Univ. Utrecht, P.O. Box 85.284, 3508 AG Utrecht, Netherlands

Mercury contaminated sites: Behaviour of mercury and its species in lysimeter experiments.
Author: Hempel M(a); Wilken R-D(a); Miess R; Hertwich J; Beyer K
Author Address: (a)GKSS-Res. Cent., Inst. Chem., D-21502 Geesthacht, Germany

Observation of unusual organic mercury species in soils and sediments of industrially contaminated sites.
Author: Hintelmann Holger(a); Hempel Maximilian; Wilken Rolf Dieter
Author Address: (a)Environmental Resource Studies, Trent Univ., Peterborough, ON K9J 7B8, Canada

Effects of lateral ventricular administration of organic mercury on the locomotor activity, dopamine and its metabolites in rats.
Author: Kitayama Shigeru; Umezu Toyoshi; Matuzaki Ichiyo; Shimojo Nobuhiro(a)
Author Address: (a)Inst. Community Med., Univ. Tsukuba 1-1-1 Tennoudai, Tsukuba 305, Japan

Mercury and cadmium uptake from seawater and from food by the Norway lobster Nephrops norvegicus.
Author: Canli Mustafa; Furness Robert W(a)
Author Address: (a)Div. Environmental Evolutionary Biol., IBLS, Univ. Glasgow, Glasgow G12 8QQ, UK

Fractional mercury levels in Brazilian gold refiners and miners.
Author: Aks Steven E(a); Erickson Timothy; Branches Fernando J P; Naleway Conrad; Chou Hwai-Nan; Levy Paul; Hryhorczuk Daniel
Author Address: (a)Sect. Toxicology, Div. Occupational Med., 13th Floor, Karl Meyer Hall, 720 South Wolcott St., Ch, USA
An ecoregion approach to mercury bioaccumulation by fish in reservoirs.

Author: Allen-Gil S M; Gilroy D J; Curtis L R(a)

Author Address: (a)Oak Creek Lab. Biology, Dep. Fisheries Wildlife, 104 Nash Hall, Oregon State Univ., Corvallis, O, USA


Toxicity of organomercury compounds: Bioassay results as a basis for risk assessment
Hempel, M.; Chau, Y.K.; Dutka, B.J.; McInnis, R.; Kwan, K.K.
GKSS - Forschungszentrum Geesthacht G.m.b.H., Geesthacht-Tesperhude (Germany, F.R.).

Corporate Source Codes: 072705000; 9204886

Report Number: GKSS--96/E/8

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Schoeny, R.
Environmental Protection Agency, Research Triangle Park, NC. Office of Air Quality Planning and Standards.

Corporate Source Codes: 034680059

Report Number: EPA/452/R-96/001D

Jun 96 328p

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Mercury and Selenium Accumulation in Common Loons (Gavia immer) and Common Mergansers (Mergus merganser from Eastern Canada
Scheuhammer, Anton M., Canadian Wildlife Service, Hull, Quebec, Canada; Wong, Allan H. K.; Bond, Della
Environ Toxicol Chem v17, n2, p197(5)
Feb 98

Airborne Emissions of Mercury from Municipal Landfill Operations: A Short-Term Measurement Study in Florida
Lindberg, S.E.; Price, J.L.
Environmental Sciences Division, Oak Ridge National Laboratory (ORNL), Oak Ridge, TN, USA
Journal of the Air & Waste Management Association VOL. 49, NO. 5 , pp. 520-532,
The chemical cycle and bioaccumulation of mercury.
Morel, F. M. M.; Kraepiel, A. M. L.; Amyot, M.
Department of Geosciences, Guyot Hall, Princeton University, New Jersey 08544, USA.
Annual Review of Ecology and Systematics vol. 29 p.543-566
Publication Year: 1998

Contaminant concentrations and biomarker response in great blue heron eggs from 10 colonies on the Upper Mississippi River, USA
Corporate Source: National Biological Service, LaCrosse, WI
Source: Environmental Toxicology and Chemistry , 1997 VOL. 16, NO. 2 (February) , 260
Publication Year: 1997

Phytodetoxification of hazardous organomercurials by genetically engineered plants
Bizily S.P.; Rugh C.L.; Meagher R.B.
R.B. Meagher, Department of Genetics, University of Georgia, Athens, GA 30602-7223 United States
Author Email: meagher@arches.uga.edu
Nature Biotechnology ( NAT. BIOTECHNOL. ) ( United States ) 2000 , 18/2 (213-217)

Child health and environmental pollution in the Aral Sea region in Kazakhstan
Zetterstrom R.
R. Zetterstrom, Acta Paediatrica, Building Z6:04, Karolinska Hospital, 171 76 Stockholm Sweden

Mercury in the bivalve Anadara (Senilia) senilis from Ghana and Nigeria
Joiris C.R.; Azokwu M.I.; Otchere F.A.; Ali I.B.
C.R. Joiris, Lab. Ecotoxicology/Polar Ecology, Free University of Brussels (VUB), Pleinlaan 2, B-1050 Brussels Belgium
Author Email: cjoiris@vub.ac.be
Science of the Total Environment ( SCI. TOTAL ENVIRON. ) ( Netherlands ) 1998 , 224/1-3 (181-188)

Environmental disasters. Part I: The Minamata disease
BEITRAGSSERIE: UMWELTMEDIZINISCHE KATASTROPHEN. TEL I: DIE MINAMATA- KRANKHEIT
Seidel H.J.; Krefeldt T.
Dr. H.J. Seidel, Inst. Arbeits Sozial- und Umweltmed., Universitat Ulm, Albert Einstein Allee 11, D-89081 Ulm Germany
Umweltmedizin in Forschung und Praxis ( UMWELTMED. FORSCH. PRAX. ) ( Germany ) 1998 , 3/3 (176-184)

September, 2000
Increase of organochlorines and mercury levels in common guillemots Uria aalge during winter in the southern North Sea
Joiris C.R.; Tapia G.; Holsbeek L.
C.R. Joiris, Lab. Ecotoxicology Polar Ecology, Free University of Brussels (VUB), Pleinlaan 2, B-1050 Brussels Belgium
Marine Pollution Bulletin (MAR. POLLUT. BULL.) (United Kingdom) 1997, 34/12 (1049-1057)

Determination of mercury and methylmercury in hair samples by neutron activation
Sarmani S.B.; Hassan R.B.; Abdullah M.P.; Hamzah A.
S.B. Sarmani, Department of Nuclear Science, University Kebangsaan Malaysia, 43600 Bangi Malaysia
Journal of Radioanalytical and Nuclear Chemistry (J. RADIOANAL. NUCL. CHEM.) (Hungary) 1997, 216/1 (25-27)

Bioavailability of sediment-bound methyl and inorganic mercury to a marine bivalve
Gagnon C.; Fisher N.S.
N.S. Fisher, Marine Sciences Research Center, State University of New York, Stony Brook, NY 11794-5000 United States
Author Email: nfisher@ccmail.sunysb.edu
Environmental Science and Technology (ENVIRON. SCI. TECHNOL.) (United States) 1997, 31/4 (993-998)

Voltage-activated calcium channel currents of rat DRG neurons are reduced by mercuric chloride (HgCl\textsubscript{2}) and methylmercury (CH\textsubscript{3}HgCl)
Leonhardt R.; Pekel M.; Platt B.; Haas H.L.; Busselberg D.
Institut fur Physiologie II, Hufelandsta. 55,45122 Essen Germany
NeuroToxicology (NEUROTOXICOLOGY) (United States) 1996, 17/1 (85-92)

The effect of selenilam on the handling of mercury in the shore crab Carcinus maenas
Larsen L.F.; Bjerregaard F.
Ecotoxicology Group, Institute of Biology, Odense University, Campusvej 55,DK-5230 Odense M Denmark
Marine Pollution Bulletin (MAR. POLLUT. BULL.) (United Kingdom) 1995, 31/1-3 (78-83)

Updated toxicological profile for mercury
Agency for Toxic Substances and Disease Registry, Division of Toxicology (E-29), 1600 Clifton Road, Atlanta, GA 30333, USA
Toxicology and Industrial Health vol. 15, no. 5, pp. 480-482 (1999)

Comparison of the developmental effects of two mercury compounds on glial cells and neurons in aggregate cultures of rat telencephalon
Monnet Tschudi, F.; Zurich, M. G.; Honegger, P.
Institute of Physiology, University of Lausanne, Rue du Bugnon 7, CH-1005 Lausanne, Switzerland
BRAIN RES. vol. 741, no. 1-2, pp. 52-59 (1996)
Concentrations and hazard assessment of organochlorine contaminants and mercury in smallmouth bass from a remote lake in the Upper Peninsula of Michigan.
Henry KS; Kannan K; Nagy BW; Kevern NR; Zabik MJ; Giesy JP
Pesticide Research Center, Michigan State University, East Lansing, Michigan 48824-1222, USA.
Arch Environ Contam Toxicol (UNITED STATES) Jan 1998, 34 (1) p81-6.

Mercury speciation and accumulation in Bangladesh freshwater and anadrus fish.
Holsbeek L; Das HK; Joiris CR
Laboratory for Ecotoxicology and Polar Ecology, Free University of Brussels (VUB), Belgium.
Sci Total Environ (NETHERLANDS) May 30 1997, 198 (3) p201-10, ISSN 0048-9697

Elliott JE; Norstrom RJ; Smith GE
Pacific Wildlife Research Centre, Canadian Wildlife Service, Environment Canada, 5421 Robertson Road, RR1 Delta, British Columbia, V4K 3N2, Canada.

Contaminants of fishes from Great Lakes-influenced sections and above dams of three Michigan rivers: III. Implications for health of bald eagles.
Giesy JP; Bowerman WW; Mora MA; Verbrugge DA; Othoudt RA; Newsted JL; Summer CL; Aulerich RJ; Bursian SJ; Ludwig JP; et al
Department of Fisheries & Wildlife, Michigan State University, East Lansing 48824-1222, USA.
Arch Environ Contam Toxicol (UNITED STATES) Oct 1995, 29 (3) p309-21, ISSN 0090-4341

Organochlorines, mercury, and selenium in great blue heron eggs from Indiana Dunes National Lakeshore, Indiana.
Custer TW; Hines RK; Stewart PM; Melancon MJ; Henshel DS; Sparks DW
U.S. Geological Survey, Biological Resources Division, La Crosse, WI.

The Evaluation Of Halogenated Aromatic Hydro-Carbons In Fish from The Connecticut River Basin, Ma
Newsted JI
Univ Of Massachusetts/Forestry & Wildlife Management
Source: Fedrip Database, National Technical Information Service (Ntis)
Sponsoring Agency: U. S. Department Of Agriculture/Cooperative State Res Ser

Developmental Neurotoxicity Of Metallic Mercury
Weiss B
University Of Rochester, 575 Elmwood Ave, Rochester, NY 14642
Source: Crisp Data Base National Institutes Of Health
Language: English
Document Type: Research
Sponsoring Agency: U.S. Dept. Of Health And Human Services; Public Health Service; National Inst. Of Health, National Institute Of Environmental Health Sciences
Immunotoxic Properties Of Mercuric Compounds
Shenker Bj
Univ Of Pennsylvania, 4010 Locust St, Philadelphia, Pa 19104
Source: Crisp Data Base National Institutes Of Health
Language: English
Document Type: Research

Mercuric Compounds Inhibit Human Monocyte Function by Inducing Apoptosis:
Evidence for Formation of Reactive Oxygen Species, Development of Mitochondrial
Membrane Permeability Transition and Loss of Reductive Reserve
InSug, O., S. Datar, C. J. Koch, I. M. Shapiro, and B. J. Shenker
Toxicology, Vol. 124, No. 3, pages 211-224, 39 references
December 31, 1997

Effects of Heavy Metals on Chondrogenic Differentiation of Embryonic Chick Limb Cells
Kanti, A., and M. A. Smith
In Vitro Toxicology. A Journal of Molecular and Cellular Toxicology, Vol. 10, No. 3, pages 329-338, 55 references
1997

Neuroimmunological Effects of Exposure to Methylmercury Forms in the Sprague-Dawley
Rats. Activation of the Hypothalamic-Pituitary-Adrenal Axis and Lymphocyte
Responsiveness
Ortega, H. G., M. Lopez, A. Takaki, Q-H. Huang, A. Arimura, and J. E. Salvaggio
Toxicology and Industrial Health, Vol. 13, No. 1, pages 57-66, 36 references
January

The Effects of Glutathione Glycoside in Methyl Mercury Poisoning
Choi, B. H., S. Yee, and M. Robles
Toxicology and Applied Pharmacology, Vol. 141, No. 2, pages 357-364, 31 references
December 1996.

Mechanisms of Hepatic Methylmercury Uptake
Ballatori, N., and A. T. Truong
November 1995

Evolution of Our Understanding of Methylmercury as a Health Threat
Watanabe, C., and H. Satoh
Environmental Health Perspectives, Vol. 104, Supplement 2, pages 367-379, 69 references
April 1996

Protective Effects of Ca2+ Channel Blockers against Methyl Mercury Toxicity
Sakamoto, M., I. Naohito, and A. Nakano
Pharmacology and Toxicology, Vol. 78, No. 3, pages 193-199, 32 references
March 1996.
Up-Regulation of Glutathione Synthesis in Rat Kidney by Methyl Mercury. Relationship to Mercury-Induced Oxidative Stress
Woods, J. S., and M. E. Ellis
Biochemical Pharmacology, Vol. 50, No. 10, pages 1719-1724, 41 references
November 9,

Fetal Methylmercury Study in a Peruvian Fish-Eating Population
Marsh, D. O., M. D. Turner, J. C. Smith, P. Allen, and N. Richdale
Neurotoxicology, Vol. 16, No. 4, pages 717-726, 40 references
December 1995.

Summary of the Seychelles Child Development Study on the Relationship of Fetal Methylmercury Exposure to Neurodevelopment
Neurotoxicology, Vol. 16, No. 4, pages 711-716, 10 references
December 1995

Monitoring Methylmercury during Pregnancy: Maternal Hair Predicts Fetal Brain Exposure
Neurotoxicology, Vol. 16, No. 4, pages 705-710, 17 references
December 1995

An Analysis of Autopsy Brain Tissue from Infants Prenatally Exposed to Methylmercury
Neurotoxicology, Vol. 16, No. 4, pages 689-704, 24 references
December 1995

Main Neurodevelopmental Study of Seychellois Children following In Utero Exposure to Methylmercury from a Maternal Fish Diet: Outcome at Six Months
Neurotoxicology, Vol. 16, No. 4, pages 653-664, 27 references
December 1995

A Pilot Neurodevelopmental Study of Seychellois Children following In Utero Exposure to Methylmercury from a Maternal Fish Diet
Neurotoxicology, Vol. 16, No. 4, pages 629-638, 32 references December 1995

Biochemical Markers of Neurotoxicity. A Review of Mechanistic Studies and Applications
Human and Experimental Toxicology, Vol. 15, Supplement 1, pages S20-S35, 118 references
1996
The Effect of Methylmercury (CH3HgCl) on the Production of Endothelium-Derived Relaxing Factor (EDRF) by Cultured Human Umbilical Vascular Endothelial Cells Based on Its Anti-aggregatory Effect on Human Platelets
Ohno, M., T. Kishimoto, and M. Tada
Cell Biology and Toxicology, Vol. 11, No. 6, pages 303-311, 28 references

Changes in the Number of Astrocytes and Microglia in the Thalamus of the Monkey Macaca fascicularis following Long-Term Subclinical Methylmercury Exposure
Charleston, J. S., R. L. Body, R. B. Bolender, N. K. Mottet, M. E. Vahter, and T. M. Burbacher
Neurotoxicology, Vol. 17, No. 1, pages 127-138, 53 references

Methylmercury in Astrocytes - What Possible Significance?
Aschner, M.
Neurotoxicology, Vol. 17, No. 1, pages 93-106, 92 references

Mercurial-Induced Alterations in Neuronal Divalent Cation Homeostasis
Denny, M. F., and W. D. Atchison
Neurotoxicology, Vol. 17, No. 1, pages 47-62, 86 references

Methylmercury-Induced Neurotoxicity in Cerebral Neuron Culture is Blocked by Antioxidants and NMDA Receptor Antagonists
Neurotoxicology, Vol. 17, No. 1, pages 37-46, 26 references

Cellular Resistance to Methylmercury
Sarafian, T. A., D. E. Bredesen, and M. A. Verity
Neurotoxicology, Vol. 17, No. 1, pages 27-36, 82 references

In Vitro Toxicity of Methyl Mercury: Effects on Nerve Growth Factor (NGF)-Responsive Neurons and on NGF Synthesis in Fibroblasts
Soderstrom, S., and T. Ebendal
Toxicology Letters, Vol. 75, Nos. 1-3, pages 133-144, 31 references

Prevention by Chelating Agents of Metal-Induced Developmental Toxicity
Domingo, J. L.
Reproductive Toxicology, Vol. 9, No. 2, pages 105-113, 84 references

Revised guidance published on controlling occupational exposure to mercury.
Source Organization: HSE, Rose Court, 2 Southwark Bridge, London SE1 9HS, UK
Publication Date: Apr 1996 (960400)

September, 2000
14 POLYCYCLIC AROMATIC HYDROCARBONS

Biodegradation of high-molecular-weight polycyclic aromatic hydrocarbons by bacteria.
Author: Kanaly Robert A(a); Harayama Shigeaki
Author Address: (a)Marine Biotechnology Institute, 3-75-1 Heita, Kamaishi City, Iwate, 026-0001, Japan
Document Type: Literature Review

Sorption of polycyclic aromatic hydrocarbons (PAH) and polychlorinated biphenyls (PCB) in soil.
Author: Marschner Bernd(a)
Author Address: (a)Ruhr-Universitaet Bochum, Fakultaet fuer Geowissenschaften, D-44780, Bochum, Germany
Document Type: Literature Review
Language: German; Non-English
Summary Language: English; German

Alternative pathways of polycyclic aromatic hydrocarbons activation: The formation of polar DNA adducts.
Author: Baer-Dubowska Wanda(a)
Author Address: (a)Department of Pharmaceutical Biochemistry, K. Marcinkowski University of Medical Sciences, Grunwaldzka 6, 60-780, Poznan, Poland
Document Type: Literature Review

Nitro-polycyclic aromatic hydrocarbons: A class of genotoxic environmental pollutants.
Author: Fu Peter P(a); Herreno-Saenz Diogenes
Author Address: (a)National Center for Toxictological Research, Jefferson, AR, 72079, USA
Document Type: Literature Review

A toxicological review of polycyclic aromatic hydrocarbons.
Author: Pickering Ronald W(a)
Author Address: (a)R and M Consultancy, 3A New Street, Sterling House, Ledbury, Herefordshire, HR8 2DX, UK
Document Type: Literature Review
Biodegradation of polycyclic aromatic hydrocarbons.
**Author:** Demir Ismail(a); Demirbag Zihni(a)
**Author Address:** (a)Fen-Edebiyat Fakultesi, Biyoloji Boumu, Karadeniz Teknik Universitesi, 61080, Trabzon, Turkey
**Journal:** Turkish Journal of Biology 23 (3): p 293-302 1999
**Document Type:** Literature Review
**Language:** Turkish; Non-English
**Summary Language:** English; Turkish

Environmental Health Criteria; Selected non-heterocyclic polycyclic aromatic hydrocarbons.
**Book Title:** Environmental Health Criteria; Selected non-heterocyclic polycyclic aromatic hydrocarbons
**Author:** W H O(a)
**Book Author/Editor:** WHO
**Author Address:** (a)Geneva, Switzerland
**Journal:** Environmental Health Criteria 202 p xxii+883p 1998
**Book Publisher:** WHO, Geneva, Switzerland
**Document Type:** Book

Advances in biomonitoring: Sensitivity and reliability in PAH-contaminated soil.
**Book Title:** Biotechnology Research Series; Environmental biomonitoring: The biotechnology ecotoxicology interface
**Author:** Wetzel Astrid(a)
**Book Author/Editor:** Lynch J M; Wiseman A: Eds
**Author Address:** (a)Philipps-Univ. Marburg, Fachbereich Biologie, Karl-von-Frisch-Strasse, D-35032 Marburg, Germany
**Book Publisher:** Cambridge University Press, The Pitt Building, Trumpington Street, Cambridge CB2 1RP, England
Cambridge University Press, 40 W. 20th Street, New York, New York 10011-4211, USA
**Document Type:** Book

Polycyclic aromatic hydrocarbons and alkanes in precipitation and roof runoff.
**Book Title:** Vom Wasser
**Original Language Book Title:** Water.
**Author:** Shu Peng; Hirner Alfred V
**Book Author/Editor:** Haberer K: Ed
**Author Address:** Inst. Umweltanal. und Angewandte Geochem., Univ. Gesamthochschule Essen, Universitaetsstr. 3-5, D-45, Germany
**Journal:** Vom Wasser 89 p 247-259 1997
**Book Publisher:** WILEY-VCH Verlag GmbH, D-69469, Weinheim, Germany
**Document Type:** Book
**Language:** German; Non-English
Fungal metabolism of polycyclic aromatic hydrocarbons: Past, present and future applications in bioremediation.
Author: Cerniglia C E(a)
Author Address: (a)Div. Microbiol., National Center Toxicological Research, US Food and Drug Administration, Jeffer, USA
Document Type: Literature Review

Bioremediation of environments contaminated by polycyclic aromatic hydrocarbons.
Book Title: Biotechnology Research Series; Bioremediation: Principles and applications
Author: Mueller James G(a); Cerniglia Carl E; Pritchard P Hap
Book Author/Editor: Crawford R L; Crawford D L: Authors
Author Address: (a)U.S. EPA Environ. Res. Lab., 1 Sabine Island Dr., Gulf Breeze, FL 32561, USA
Book Publisher: Cambridge University Press, The Pitt Building, Trumpington Street, Cambridge CB2 1RP, England
Cambridge University Press, 40 W. 20th Street, New York, New York 10011-4211, USA
Document Type: Literature Review

Cancer risk from occupational and environmental exposure to polycyclic aromatic hydrocarbons.
Author: Boffetta Paolo(a); Jourenkova Nadia; Gustavsson Per
Author Address: (a)Int. Agency Res. Cancer, 150 cours Albert Thomas, 69372 Lyon Cedex 08, France
Document Type: Literature Review

Polycyclic aromatic hydrocarbon bioremediation design.
Author: Harayama Shigeaki
Author Address: Marine Biotechnol. Inst., 3-75-1 Heita, Kamaishi, Iwate 026, Japan
Document Type: Literature Review

ATSDR evaluation of health effects of chemicals. IV. Polycyclic aromatic hydrocarbons (PAHs): Understanding a complex problem.
Author: Mumtaz M M(a); George J D; Gold K W; Cibulas W; Derosa C T
Author Address: (a)Agency Toxic Substances Disease Registry, 4 Executive Park E-29, Atlanta, GA 30333, USA
Document Type: Literature Review

Utilization of bioremediation processes for the treatment of PAH-contaminated sediments.
Author: Hughes J B(a); Beckles D M; Chandra S D; Ward C W
Author Address: (a)Dep. Environ. Sci. Eng., George R. Brown Sch. Eng., Rice Univ., Houston, TX 77005-1892, USA
Document Type: Literature Review
Polycyclic aromatic hydrocarbon metabolites in urine as biomarkers of exposure and effect.

**Author:** Strickland Paul(a); Kang Dahee; Sithisarankul Pornchai  
**Author Address:** (a)Dep. Environ. Health Sci., Johns Hopkins Sch. Hyg. Public Health, 615 North Wolfe St., Baltimore, USA  
**Journal:** Environmental Health Perspectives 104 (SUPPL. 5): p 927-932 1996  
**Document Type:** Literature Review

Biodegradation of polycyclic aromatic hydrocarbons and its application to bioremediation of contaminated soils and sludges.

**Author:** Ferrari M D  
**Author Address:** Cent. Invest. Technol., ANCAP, 91000 Pando, Uruguay  
**Journal:** Revista Argentina de Microbiologia 28 (2): p 83-98 1996  
**Document Type:** Literature Review  
**Language:** Spanish; Non-English  
**Summary Language:** Spanish; English

Polycyclic aromatic hydrocarbons in marine mammals, finfish, and mollusces.

**Book Title:** Environmental contaminants in wildlife: Interpreting tissue concentrations  
**Author:** Hellou Jocelyne  
**Book Author/Editor:** Beyer W N; Heinz G H; Redmon-Norwood A W: Eds  
**Author Address:** Dep. Fisheries Oceans, Toxicology Section, St. John's, NF, Canada p 229-250 1996  
**Book Publisher:** CRC Press, Inc., Boca Raton, Florida, USA  
CRC Press, London, England, UK  
**Document Type:** Book

The effects of near ultraviolet radiation of the toxic effects of polycyclic aromatic hydrocarbons in animals and plants: A review.

**Author:** Arfsten Darryl P(a); Schaeffer David J; Mulveny Daniel C  
**Author Address:** (a)Karch Associates, Inc., 1701 K Street NW, Suite 1000, Washington, DC 20006, USA  
**Document Type:** Literature Review

Groundwater contamination by polycyclic aromatic hydrocarbons: A case study of a coal tar-contaminated site.

**Book Title:** Environmental Science and Pollution Control Series; Groundwater contamination and control  
**Author:** Backhus Debera A(a); Gschwend Philip M  
**Book Author/Editor:** Zoller U: Ed  
**Author Address:** (a)Indiana Univ., Bloomington, IN, USA  
**Journal:** Environmental Science and Pollution Control Series 11 p 315-335 1994  
**Book Publisher:** Marcel Dekker, Inc., 270 Madison Avenue, New York, New York 10016, USA  
Marcel Dekker, Inc., Basel, Switzerland  
**Document Type:** Article; Book
The presence and distribution of polycyclic aromatic hydrocarbons in the environment and personal exposure.

Author: Sisovic Anica

Author Address: Inst. Med. Istrazivanja, Med. Rada, Ksaverska Cesta 2, 1000 Zagreb, Croatia


Document Type: Literature Review

Language: Serbian; Non-English

Summary Language: Serbian; English

Responses of fish to polycyclic aromatic hydrocarbons (PAHs).

Author: Tuvikene Arvo


Document Type: Literature Review

Biodegradation of polycyclic aromatic hydrocarbons: A review.

Author: Ashok B T(a); Saxena Sangeeta

Author Address: (a)Dep. Biochem., J N. Med. College, Aligarh Muslim Univ., Aligarh 202 002, India


Document Type: Literature Review

Central role of radical cations in metabolic activation of polycyclic aromatic hydrocarbons.

Author: Cavalieri E L(a); Rogan E G

Author Address: (a)Eppley Inst., Univ. Nebraska Med. Cent., 600 South 42nd Street, Omaha, NE 68198-6805, USA


Document Type: Literature Review

Biodegradation of oil/water-emulsions and polycyclic aromatic hydrocarbons (PAH).

Book Title: Water

Original Language Book Title: Vom Wasser.

Author: Cuno Michael; Weigert Bodo; Behrendt Joachim; Wiesmann Udo

Book Author/Editor: Haberer K: Ed

Author Address: Technische Univ. Berlin, Inst. Verfahrenstechnik, Sekr. MA 5-7, Strase 17 Juni 135, D-10623 Berlin, Germany

Journal: Vom Wasser 84 p 105-116 1995

Book Publisher: VCH Verlagsgesellschaft mbH, Postfach 10 11 61, Boschstrasse 12, D-6940 Weinheim, Germany

VCH Publishers, Inc., Suite 909, 220 East 23rd Street, New York, New York 10010, USA

Document Type: Book

Language: German; Non-English

Summary Language: German; English
Determination of polycyclic aromatic hydrocarbons and their derivatives in sewage sludges in upper Silesia.

**Book Title:** Water

**Original Language Book Title:** Vom Wasser.

**Author:** Bodzek Danuta; Janoszka Beata(a)

**Book Author/Editor:** Haberer K: Ed

**Author Address:** (a) Dipl. Chem. B. Janoszka, Silesian Med. Academy, Faculty Med., Dep. Chemistry, PL 41-808 Zabrze, , Germany

**Journal:** Vom Wasser 84 p 19-33 1995

**Book Publisher:** VCH Verlagsgesellschaft mbH, Postfach 10 11 61, Boschstrasse 12, D-6940 Weinheim, Germany

**VCH Publishers, Inc., Suite 909, 220 East 23rd Street, New York, New York 10010, USA**

**Document Type:** Book

Role of alterations in Ca-2+-associated signaling pathways in the immunotoxicity of polycyclic aromatic hydrocarbons.

**Author:** Davila Donna R; Davis Deann P; Campbell Kerry; Cambier John C; Zigmond Letitia A; Burchiel Scott W(a)

**Author Address:** (a) Univ. New Mexico College Pharmacy, Toxicology Program, Albuquerque, NM 87131, USA

**Journal:** Journal of Toxicology and Environmental Health 45 (2): p 101-126 1995

**Document Type:** Literature Review

Microbial ecology of polycyclic aromatic hydrocarbon (PAH): Degradation in coastal sediments.

**Book Title:** Biological degradation and bioremediation of toxic chemicals

**Author:** Macgillivray A Ronald; Shiaris Michael P

**Book Author/Editor:** Chaudhry G R: Ed

**Author Address:** Roy F. Weston Inc., Lionville, PA 19341, USA p 125-147 1994

**Book Publisher:** Dioscorides Press, Suite 124, 9999 SW Wilshire, Portland, Oregon 97225, USA

**Document Type:** Book

Microbial metabolism of polycyclic aromatic hydrocarbons.

**Book Title:** Biological degradation and bioremediation of toxic chemicals

**Author:** Pothuluri Jairaj V; Cerniglia Carl E

**Book Author/Editor:** Chaudhry G R: Ed


**Book Publisher:** Dioscorides Press, Suite 124, 9999 SW Wilshire, Portland, Oregon 97225, USA

**Document Type:** Book
Polycyclic aromatic hydrocarbons: Chemistry of DNA adduct formation.
Author: Peltonen K; Dipple A
Author Address: Inst. Occupational Health, Mol. Dosimetry Group, Topeliuksnkatu 41 A, Helsinki, Finland
Document Type: Literature Review

Polycyclic aromatic hydrocarbons (PAH): Problems and progress in sampling, analysis and interpretation.
Author: Law Robin J(a); Biscaya Jose L
Author Address: (a)MAFF Fisheries Lab., Burnham-on-Crouch, Essex CM0 8HA, UK
Document Type: Literature Review

Microbial degradation of PAH and hetero-PAH in aqueous systems and oil-containing wastewater.
Book Title: Water
Original Language Book Title: Vom Wasser.
Author: Preuss Suzanne(a); Wittneben Doris; Zink Gabriele(a); Lorber Karl Erich
Book Author/Editor: FACHGRUPPE WASSERCHEMIE IN DER GESELLSCHAFT DEUTSCHER CHEMIKER
Author Address: (a)TU Berlin, Inst. Technischen Umweltschutz, Fachgebiet Umweltchemie, Sekr. KF 3, Str. des 17, Jun, Germany
Journal: Vom Wasser 83 p Pagination varies 255-263 1994
Book Publisher: VCH Verlagsgesellschaft mbH, Postfach 10 11 61, Boschstrasse 12, D-6940 Weinheim, Germany
VCH Publishers, Inc., Suite 909, 220 East 23rd Street, New York, New York 10010, USA
Document Type: Book
Language: German; Non-English
Summary Language: German; English

In vivo metabolism and genotoxic effects of nitrated polycyclic aromatic hydrocarbons.
Author: Moller L
Journal: Environmental Health Perspectives 102 ( SUPPL. 4 ): p 139-146 1994
Document Type: Literature Review

Polycyclic aromatic hydrocarbons: Evaluation of risks to health from environmental exposure in Canada.
Author: Meek M E(a); Chan P K L; Bartlett S
Author Address: (a)Environmental Substances Div., Environmental Health Centre, Health Canada, Tunney's Pasture, Ott, Canada
Document Type: Literature Review
Hydrogeological and hydrochemical investigations in the surroundings of a waste dump: Part 2. Transport of VOC and PAH in earthen landfill liners.

**Book Title:** Water

**Original Language Book Title:** Vom Wasser.

**Author:** Baumann Thomas; Mikulla Christian; Zeyn Arno; Niessner Reinhard

**Book Author/Editor:** FACHGRUPPE WASSERCHEMIE IN DER GESELLSCHAFT DEUTSCHER CHEMIKER: Ed


**Journal:** Vom Wasser 82 p 145-162 1994

**Book Publisher:** VCH Verlagsgesellschaft mbH, Postfach 10 11 61, Boschstrasse 12, D-6940 Weinheim, Germany

VCH Publishers, Inc., Suite 909, 220 East 23rd Street, New York, New York 10010, USA

**Document Type:** Book

**Language:** German; Non-English

**Summary Language:** German; English

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Investigation of the effects of humic substances on transport of polycyclic aromatic hydrocarbons.

**Book Title:** Water

**Original Language Book Title:** Vom Wasser.

**Author:** Matthiessen Axel

**Book Author/Editor:** FACHGRUPPE WASSERCHEMIE IN DER GESELLSCHAFT DEUTSCHER CHEMIKER: Ed

**Author Address:** Inst. Hyg. Umweltmed., Brunswiker Str. 4, D-24105 Kiel, Germany

**Journal:** Vom Wasser 82 p 137-144 1994

**Book Publisher:** VCH Verlagsgesellschaft mbH, Postfach 10 11 61, Boschstrasse 12, D-6940 Weinheim, Germany

VCH Publishers, Inc., Suite 909, 220 East 23rd Street, New York, New York 10010, USA

**Document Type:** Book

**Language:** German; Non-English

**Summary Language:** German; English

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Fungal metabolism and detoxification of polycyclic aromatic hydrocarbons: A review.

**Author:** Muncnerova D(a); Augustin J

**Author Address:** (a)Dep. Biochem. Technol., Fac. Chem., Slovak Technical Univ., 81237 Bratislava, Slovakia


**Document Type:** Literature Review
Biological effects and biomonitoring of organochlorines and polycyclic aromatic hydrocarbons in the marine environment.

**Book Title:** Ecotoxicology monitoring

**Author:** Molven Anders(a); Goksøyr Anders

**Book Author/Editor:** Richardson M: Ed

**Author Address:** (a)Lab. Marine Mol. Biol., HIB, Haukeland Hosp., N-5020 Bergen, Norway p 137-162 1993

**Book Publisher:** VCH Verlagsgesellschaft mbH, Postfach 10 11 61, Boschstrasse 12, D-6940 Weinheim, Germany
VCH Publishers, Inc., Suite 909, 220 East 23rd Street, New York, New York 10010, USA

**Conference/Meeting:** International Symposium London, England, UK June 17, 1992

**Document Type:** Book; Literature Review

Adducts to macromolecules in the biological monitoring of workers exposed to polycyclic aromatic hydrocarbons.

**Author:** Dell'omo Marco; Lauwerys Robert R(a)

**Author Address:** (a)Unite Industrial Toxicol. and Occupational Med., Catholic Univ. Louvain, Clos Chapelle-aux-Champ, Belgium

**Journal:** Critical Reviews in Toxicology 23 ( 2 ): p 111-126 1993

**Document Type:** Literature Review

Biodegradation of polycyclic aromatic hydrocarbons.

**Author:** Cerniglia Carl E


**Journal:** Current Opinion in Biotechnology 4 ( 3 ): p 331-338 1993

**Document Type:** Literature Review

Cambridge Monographs On Cancer Research Sulfur Analogues Of Polycyclic Aromatic Hydrocarbons Thiaarenes Environmental Occurrence Chemical And Biological Properties

**Author:** Jacob J

**Author Address:** Univ. Hamburg, W. Ger.


**Document Type:** Book

WHO World Health Organization Environmental Health 32. Heavy Metal And Pah Compounds From Municipal Solid Waste Incinerators Control Technology And Health Effects

**Author:** WHO

**Author Address:** Copenhagen, Denmark.


**Document Type:** Book
Polycyclic aromatic hydrocarbon
Anonymous
Source: Canadian Environmental Protection Act; 1994; 61 p

Health effects assessment for polycyclic aromatic hydrocarbons (PAHs)
EPA working group
Source: Environmental protection agency; EPA/540/1-85/013; 1984; 61 p

Polycyclic aromatic hydrocarbons (PAHs)
Anonymous
Source: Canadian water quality guidelines; 1987

Integrated criteria document PAH: Effects of 10 selected compounds
Anonymous
Source: National Institute for Public Health and Environmental Protection (RIVM), the Netherlands; Appendix to report No 758474011; 1989; 180 p

Polycyclische aromatische Kohlewasserstoffe, krebserzeugende (PAH)
Anonymous
Source: Toxikologisch-arbeitsmedizinische Begründung von MAK-Werten (Maximale Arbeitsplatz-Konzentrationen); 1984; 10 p
Language: GERMAN

An exposure and risk assessment for benzo(a)pyrene and other polycyclic aromatic hydrocarbons vol. I Summary.
EPA working group
Source: Environmental Protection Agency; EPA-440/4-85-020-V1; 1982; 55 p

An exposure and risk assessment for benzo(a)pyrene and other polycyclic aromatic hydrocarbons vol II naphthalene
EPA working group
Source: Environmental Protection Agency; EPA-440-4-85-020-V2; 1982; 113 p

An exposure and risk assessment for benzo(a)pyrene and other polycyclic aromatic hydrocarbons vol III anthracene, acenaphthene, fluorethene, fluorene, phenanthrene and pyrene
EPA working group
Source: Environmental Protection Agency; EPA-440/4-85-020-V3; 1982; 158 p

An exposure and risk assessment for benzo(a)pyrene and other polycyclic aromatic hydrocarbons: Vol 4.
EPA working group
Source: Environmental Protection Agency; EPA-440/4-85-020-v4; 1982; 215 p

Polycyclic aromatic hydrocarbons in the aquatic environment: Formation, sources, fate and effects on aquatic biota
Anonymous
Source: National Research Council Canada; NRCC No 18981; 1983; 206 p

September, 2000
Effects of Chronic Low-Level PAH Contamination on Soil Invertebrate Communities
Erstfeld, Karen M., (Richard Stockton College of New Jersey, Pomona); Snow-Ashbrook, Jennifer, (Rutgers University, New Brunswick, NJ)
Chemosphere v39, n12, p2117(23)
Nov 99

Polycyclic Aromatic Hydrocarbon Metabolism by White Rot Fungi and Oxidation by Coriolopsis gallica UAMH 8260 Laccase
Pickard, Michael A., Universidad Nacional Autonoma de Mexico, Cuernavaca, Morelos; Roman, Rosa; Tinoco, Raunel; Vazquez-Duhalt, Rafael
Appl Environ Microbiol v65, n9, p3805(5)
Sep 99

Dispersion of PAH and Heavy Metals Along Motorways in the Netherlands-An Overview
Koeleman, Marcel, Ministry of Transport Public Works and Water Management, Delft, Netherlands; Janssen vd Laak, Willem; Ietswaart, Hannah
Sci Total Environ v235, n1-3, p347(3)
Sep 1, 99

Quantifying Factors That Influence PAH Biodegradation Rates in Marine Sediments
Krieger-Brockett, Barbara, University of Washington, Seattle; Deming, Jody W.; Vetter, Yves-Alain; Geiselbrecht, Allison
Bioremediation Technologies for Polycyclic Aromatic Hydrocarbon Compounds (Battelle) v5, n8, p301(7)
1999

PAH Distribution and Biodegradation in the Delaware and Schuylkill Rivers
Boyd, Thomas J., US Naval Research Laboratory, Washington, DC; Steele, Julia K.; Montgomery, Michael T.; Spargo, Barry J.
Bioremediation Technologies for Polycyclic Aromatic Hydrocarbon Compounds (Battelle) v5, n8, p295(6)
1999

Microscale Characterization of PAH Sequestration on Sediments
Ghosh, Upal, Carnegie Mellon University, Pittsburgh, PA; Luthy, Richard G.; Gillette, J. Seb; Zare, Richard N.; Taley, Jeffery W.
Bioremediation Technologies for Polycyclic Aromatic Hydrocarbon Compounds (Battelle) v5, n8, p289(6) 1999

Impact of Adsorption and Desorption on Bioremediation of PAH Contaminated Estuarian Sediments
Antia, J. E., University of Cincinnati, OH; Tabak, H. H.; Suidan, M. T.
Bioremediation Technologies for Polycyclic Aromatic Hydrocarbon Compounds (Battelle) v5, n8, p283(6)
1999
Enhanced Biodegradation of PAH Contaminants by Thermal Pretreatment
Bonten, Luc T. C., Wageningen Agricultural University, Netherlands; Grotenhuis, Tim C.; Rulkens, Wim H.
Bioremediation Technologies for Polycyclic Aromatic Hydrocarbon Compounds (Battelle) v5, n8, p265(6)
1999

Prediction of PAH Bioavailability in Soils and Sediments by Persulfate Oxidation
Cuypers, Michiel P., Wageningen Agricultural University, Netherlands; Grotenhuis, J. T. C.; Rulkens, W. H.
Bioremediation Technologies for Polycyclic Aromatic Hydrocarbon Compounds (Battelle) v5, n8, p241(6)
1999

Bacterial Assemblage Adaptation in PAH-Impacted Ecosystems
Montgomery, Michael T., US Naval Research Laboratory, Washington, DC; Boyd, Thomas J.; Spargo, Barry J.; Coffin, Richard B.; Steele, Julie K.; Ward, Dawn M.; Smith, David C.
Bioremediation Technologies for Polycyclic Aromatic Hydrocarbon Compounds (Battelle) v5, n8, p223(6)
1999

Biotransformation of Ten PAH's by Means of an Aerobic Mixed Culture
Perez, Sixto, (Instituto Mexicano do Tecnologia del Agua, Jiutepec, Morelos); Torres, Luis G., (Instituto Mexicano del Petroleo)
Bioremediation Technologies for Polycyclic Aromatic Hydrocarbon Compounds (Battelle) v5, n8, p197(6)
1999

Relationship Between Detoxification and Decontamination During the Treatment of a PAH Contaminated Soil
Santini, Katia, Ecole Polytechnique de Montreal, PQ, Canada; Bureau, Jacques; Deschênes, Louise
Bioremediation Technologies for Polycyclic Aromatic Hydrocarbon Compounds (Battelle) v5, n8, p185(6)
1999

Investigation into the Factors Limiting Bioremediation of PAH Contaminated Sites
Alsaleh, Esmaeil S., King's College London, UK; Smith, Steve; Mason, Jeremy
Bioremediation Technologies for Polycyclic Aromatic Hydrocarbon Compounds (Battelle) v5, n8, p111(5)
1999

Use of Residual Substrate from Mushroom Farms to Stimulate Biodegradation of Poorly Available PAH
Harmsen, Joop, SC-DLO, Wageningen, Netherlands; van den Toorn, Antonie; Heersche, Jan; Riedstra, Durk; van der Kooij, Aldert
Bioremediation Technologies for Polycyclic Aromatic Hydrocarbon Compounds (Battelle) v5, n8, p87(6)
1999
Surfactant Enhancement of White-Rot Fungal PAH Soil Remediation
Bogan, Bill W.; Lamar, Richard T., EarthFax Development Corp, North Logan, UT
Bioremediation Technologies for Polycyclic Aromatic Hydrocarbon Compounds (Battelle) v5, n8, p81(6)
1999

Development of White Rot Fungal Technology for PAH Degradation
Kotterman, Michiel, Wageningen Agricultural University, Netherlands; van Lieshout, Johan; Grotenhuis, Tim; Field, Jim
Bioremediation Technologies for Polycyclic Aromatic Hydrocarbon Compounds (Battelle) v5, n8, p69(6)
1999

Full Scale Bioremediation of PAH
Connolly, Mark, Connolly Environ, Melbourne, Australia; Howe, Frances; Mazur, Margaret
Bioremediation Technologies for Polycyclic Aromatic Hydrocarbon Compounds (Battelle) v5, n8, p43(7)
1999

Intrinsic Bioremediation of PAH Compounds at a Fuel-Contaminated Site
Brauner, J. Steven, Virginia Polytechnic Institute and State University, Blacksburg; Widdowson, Mark A.; Novak, John T.; Love, Nancy G.
Bioremediation Technologies for Polycyclic Aromatic Hydrocarbon Compounds (Battelle) v5, n8, p19(6)
1999

New Plug Flow Slurry Bioreactor for Polycyclic Aromatic Hydrocarbon Degradation
Gamati, Samia, Sodexen Group, PQ, Canada; Gosselin, Christian; Bergeron, Eric; Chenier, Martin; Truong, Tri Vu; Bisaillon, Jean-Guy
Bioremediation Technologies for Polycyclic Aromatic Hydrocarbon Compounds (Battelle) v5, n8, p1(6)
1999

Extracellular Oxidative Enzyme Production and PAH Removal in Soil by Exploratory Mycelium of White Rot Fungi
Novotny, Cenek, Academy of Sciences of the Czech Republic, Praha; Erbanova, Pavla; Sasek, Vaclav; Kubatova, Alena; Cajthaml, Tomas; Lang, Elke; Krahl, Jurgen
Biodegradation v10, n3, p159(10)
Jun 99

Overview of Polycyclic Aromatic Hydrocarbon Biodegradation by White-Rot Fungi
Canet, R., Instituto Valenciano de Investigaciones Agrarias, Valencia, Spain; Lopez-Real, J. M.; Beck, A. J.
Land Contam Reclamation v7, n3, p191(7)
Jul 99
Cross-Induction of Pyrene and Phenanthrene in a Mycobacterium sp. Isolated from Polycyclic Aromatic Hydrocarbon Contaminated River Sediments
Molina, Marirosa, US EPA, Athens, GA; Araujo, Rochelle; Hodson, Robert E.
Can J Microbiol v45, n6, p520(10)
Jun 99

A Survey on Polycyclic Aromatic Hydrocarbon Concentrations in Soil in Chiang-Mai, Thailand
Amagai, Takashi, University of Shizuoka, Japan; Takahashi, Yukari; Matsushita, Hidetsuru; Morknoy, Daisy; Sukasem, Phaka; Tabucanon, Monthip
Environ Int v25, n5, p563(10)
Jul 99

Toxicity and Phototoxicity of Mixtures of Highly Lipophilic PAH Compounds in Marine Sediment: Can the (gr)SPAH Model Be Extrapolated?
Boese, B. L., EPA, National Health and Environmental Effects Research Laboratory, Newport, OR; Ozretich, R. J.; Lamberson, J. O.; Swartz, R. C.; Cole, F. A.; Pelletier, J.; Jones, J.
Arch Environ Contam Toxicol v36, n3, p270(11)  Apr 99

Polycyclic Aromatic Hydrocarbon (PAH) Residues in the Eggs of Coastal-Nesting Birds from Britain
Shore, Richard F., Institute of Terrestrial Ecology, Huntingdon, Cambridgeshire, UK; Wright, Julian; Horne, Janice A.; Sparks, Timothy H.
Mar Pollut Bull v38, n6, p509(5)
Jun 99

Influence of Failure Modes on PAH Emission During Lab-Scale Incineration
Mascolo, G., Consiglio Nazionale delle Ricerche, Rome, Italy; Lotito, V.; Spinoso, L.; Mininni, G.; Bagnuolo, G.
Environ Eng Sci v16, n4, p287(6)
1999

Vitellogenesis in Fish and the Effects of Polycyclic Aromatic Hydrocarbon Contaminants
Nicolas, Jean-Marc, Dalhousie University, Halifax, N. S., Canada
Aquat Toxicol v45, n2-3, p77(14)
Apr 99

Enhancement of PAH Biodegradation in Soil by Physicochemical Pretreatment
Bonten, Luc T. C., Wageningen Agricultural University, Netherlands; Grotenhuis, Tim C.; Rulkens, Wim H.
Chemosphere v38, n15, p3627(10)
Jun 99

Avoidance Response of the Estuarine Amphipod Eohaustorius estuarius to Polycyclic Aromatic Hydrocarbon-Contaminated, Field-Collected Sediments
Kravitz, Michael J., EPA, Washington, DC; Lamberson, Janet O.; Ferraro, Steven P.; Swartz, Richard C.; Boese, Bruce L.; Specht, David T.
Environ Toxicol Chem v18, n6, p1232(4)
Jun 99
Three-Phase Modeling of Polycyclic Aromatic Hydrocarbon Association with Pore-Water-Dissolved Organic Carbon
Mitra, Siddhartha, (Tulane University, New Orleans, LA); Dickhut, Rebecca M., (Virginia Institute of Marine Sciences, Gloucester Point)
Environ Toxicol Chem v18, n6, p1144(5)
Jun 99

Assessment of the Bioavailability of PAHs in Rats Exposed to a Polluted Soil by Natural Routes: Induction of EROD Activity and DNA Adducts and PAH Burden in Both Liver and Lung
Fouchecourt, M. O., INRA-DGER, Marcy l'Etoile, France; Arnold, M.; Berny, P.; Videmann, B.; Rether, B.; Riviere, J. L.
Environ Res v80, n4, p330(10)
May 99

Structure of Peroxisomes and Activity of the Marker Enzyme Catalase in Digestive Epithelial Cells in Relation to PAH Content of Mussels from Two Basque Estuaries (Bay of Biscay): Seasonal and Site-Specific Variations
Orbea, A., Euskal Herriko Unibersitatea/Universidad del Pais Vasco, Bilbo, Basque Country, Spain; Marigomez, I.; Fernandez, C.; Tarazona, J. V.; Cancio, I.; Cajaraville, M. P.
Arch Environ Contam Toxicol v36, n2, p158(9)
Feb 99

Polycyclic Aromatic Hydrocarbon (PAH) Burden of Mussels (Mytilus sp.) in Different Marine Environments in Relation with Sediment PAH Contamination and Bioavailability
Baumard, P., Universite Bordeaux I, Talence, France; Budzinski, H.; Garrigues, P.; Narbonne, J. F.; Burgeot, T.; Michel. X.; Bellocq, J.
Mar Environ Res v47, n5, p415(15)
Jun 99

Consensus Sediment Quality Guidelines for Polycyclic Aromatic Hydrocarbon Mixtures
Swartz, Richard C., EPA, Newport, OR
Environ Toxicol Chem v18, n4, p780(8)
Apr 99

Surface Contamination with PASH, PAH and PCDD/F After Fire Accidents in Private Residences
Wobst, M., Technical University of Braunschweig, Germany; Wichmann, H.; Bahadir, M.
Chemosphere v38, n7, p1685(7)
Mar 99

Factors Affecting PAH Residues in the Lugworm Arenicola marina, a Sediment Feeding Polychaete
Kaag, N. H. B. M., TNO Institute of Environ Sciences, Den Helder, Netherlands; Scholten, M. C. Th.; Van Straalen, N. M.
J Sea Res v40, n3-4, p251(11)
Dec 98
Polycyclic Aromatic Hydrocarbon Degradation by a New Marine Bacterium, Neptunomonas naphthovorans gen. nov., sp. nov
Hedlund, Brian P., University of Washington, Seattle; Geiselbrecht, Allison D.; Bair, Timothy J.; Staley, James T.
Appl Environ Microbiol v65, n1, p251(9)
Jan 99

Modulated Gap Junctional Intercellular Communication as a Biomarker of PAH Epigenetic Toxicity: Structure-Function Relationship
Upham, Brad L., Michigan State University, East Lansing; Weis, Liliane M.; Trosko, James E.
Environ Health Perspec Supplements v106, n4, p975(7)
Aug 98

TORBED Reactor Successfully Treats PAH-Contaminated Sediments
Hazard Waste Consultant v17, n1, p1.23(3)
Jan-Feb 99

Atmospheric Particle Size Distributions of Polychlorinated Dibenzo-p-dioxins and Dibenzofurans (PCDD/Fs) and Polycyclic Aromatic Hydrocarbons (PAH) and Their Implications for Wet and Dry Deposition
Kaupp, Heike; McLachlan, Michael S., University of Bayreuth, Germany
Atmos Environ v33, n1, p85(11)
Jan 99

Biodegradation of Polycyclic Aromatic Hydrocarbons (PAH) in Marine Sediment Under Denitrifying Conditions
MacRae, Jean D.; Hall, Kenneth J., University of British Columbia, Vancouver, Canada
Water Sci Technol v38, n11, p177(9)
1998

Isolation of Marine Polycyclic Aromatic Hydrocarbon (PAH)-Degrading Cycloclasticus Strains from the Gulf of Mexico and Comparison of Their PAH Degradation Ability with That of Puget Sound Cycloclasticus Strains
Geiselbrecht, Allison D., University of Washington, Seattle; Hedlund, Brian P.; Tichi, Mary A.; Staley, J. T.
Appl Environ Microbiol v64, n12, p4703(8)
Dec 98

Polychlorinated Biphenyl and Polycyclic Aromatic Hydrocarbon Deposition to and Exchange at the Air-Water Interface of Esthwaite Water, a Small Lake in Cumbria, UK
Gevao, B., Lancaster University, UK; Hamilton-Taylor, J.; Jones, K. C.
Environ Pollut v102, n1, p63(13) 1998

PCDD/F, PCB and PAH Content of Brazilian Compost
Grossi, Gricia, Fundacao Jorge Duprat Figueiredo de Seguranca e Medicina do Trabalho, Sao Paulo, Brazil; Lichtig, Jaim; Krauss, Peter
Chemosphere v37, n9-12, p2153(8)
Oct-Nov 98
PCDD/F- and PAH-Emission from House Heating Systems
Launhardt, T., Technische Universitat Munchen-Weihenstephan, Friesing, Germany; Strehler, A.; Dumler-Gradl, R.; Thoma, H.; Vierle, O.
Chemosphere v37, n9-12, p2013(8)
Oct-Nov 98

Use of Concentration Ratios of Polycyclic Aromatic Hydrocarbons (PAH) and Lead to Determine Source-Origins of PAH in Sediments and Cockles
Lee, Hian Kee, National University of Singapore, Kent Ridge; Wright, Graeme J.; Swallow, William H.
1998

TORBEDR Reactor Treats PAH-Contaminated Soil and Sediments with Minimal Emissions
Air Pollut Consultant v8, n6, p1.14(3)
Nov-Dec 98

Bioavailability of PAH in Effluent Water from an Aluminium Works Evaluated by Transplant Caging and Biliary Fluorescence Measurements of Atlantic Cod (Gadus morhua L.)
Beyer, Jonny, Rogaland Research, Stavanger, Norway; Aas, Endre; Borgenvik, Hild Karin; Ravn, Per
Mar Environ Res v46, n1-5, p233(4)
Jul-Dec 98

PAH Metabolites in Bile and EROD Activity in North Sea Fish
Aas, Endre, (Rogaland Research, Stavanger, Norway); Klungsoyr, Jarle, (Institute of Marine Research, Bergen, Norway)
Mar Environ Res v46, n1-5, p229(4)
Jul-Dec 98

PAH in Fish Bile Detected by Fixed Wavelength Fluorescence
Aas, Endre, Rogaland Research, Stavanger, Norway; Beyer, Jonny; Goksoyr, Anders
Mar Environ Res v46, n1-5, p225(4)
Jul-Dec 98

Genotypic and Phenotypic Responses of a Riverine Microbial Community to Polycyclic Aromatic Hydrocarbon Contamination
Langworthy, Donald E., Miami University, Oxford, OH; Stapleton, Raymond D.; Sayler, Gary S.; Findlay, Robert H.
Appl Environ Microbiol v64, n9, p3422(7)
Sep 98

Rapid PAH Degradation in Soil Using Enzyme Mixtures
Stolzenburg, Thomas R.; Duner, Marianne D., RMT Inc, Madison, WI
Designing and Applying Treatment Technologies: Remediation of Chlorinated and Recalcitrant Compounds (Battelle) p53(5)
1998
A Laboratory and Field Comparison of Sediment Polycyclic Aromatic Hydrocarbon Bioaccumulation by the Cosmopolitan Estuarine Polychaete Streblospio benedicti (Webster)
Ferguson, P. L.; Chandler, G. T., University of South Carolina, Columbia
Mar Environ Res v45, n4-5, p387(15)
May-Jun 98

Application of Bioremediation Testing Protocol to PAH Contaminated Aged Soils
Tabak, Henry H., EPA, Cincinnati, OH; Govind, Rakesh; Parvatiyar, M.; Song, Qi; Guo, J.
Bioremediation and Phytoremediation: Chlorinated and Recalcitrant Compounds (Battelle)
p55(9)
1998

Polycyclic Aromatic Hydrocarbons (PAH) and Diesel Engine Emissions (Elemental Carbon) Inside a Car and a Subway Train
Fromme, H., Institute of Environ Analysis and Human Toxicology, Berlin, Germany; Oddoy, A.; Piloty, M.; Krause, M.; Lahrz, T.
Sci Total Environ v217, n1-2, p165(9)
1998

DNA Adducts and Histopathological Lesions in Perch (Perca fluviatilis) and Northern Pike (Esox lucius) Along a Polycyclic Aromatic Hydrocarbon Gradient on the Swedish Coastline of the Baltic Sea
Ericson, G., Stockholm University, Nykoping, Sweden; Lindesjoo, E.; Balk, L.
Can J Fish Aquat Sci v55, n4, p815(10)
Apr 98

Polycyclic Aromatic Hydrocarbon Degrading Microorganisms in Great Lakes Sediments
McNally, Dan L., Bryant College, Smithfield, RI; Mihelcic, James R.; Lueking, Don R.
J Gt Lakes Res v24, n2, p392(12)
1998

PAH Emission from Various Industrial Stacks
Yang, Hsi-Hsien, National Cheng Kung University, Tainan, Taiwan; Lee, Wen-Jhy; Chen, Shui-Jen; Lai, Soon-Onn
J Hazard Mater v60, n2, p159(16)
Jun 1, 98

Polycyclic Aromatic Hydrocarbon (PAH) Dispersion and Deposition to Vegetation and Soil Following a Large Scale Chemical Fire
Meharg, A. A., Institute of Terrestrial Ecology, Huntingdon, Cambridgeshire, UK; Wright, J.; Dyke, H.; Osborn, D.
Environ Pollut v99, n1, p29(8) 1998

Effect of Potassium Hydroxide on PAH Formation During Toluene Incineration
Wei, Yu-Ling, Tunghai University, Taichung, Taiwan
Chemosphere v37, n3, p509(13)
Aug 98
Correlation Between On-Line PAH Detection in Airborne Particle Samples and Their Bacterial Genotoxicity
Wasserkort, Reinhold, Swiss Federal Institute of Technology, Zurich, Switzerland; Hartmann, Andreas; Widmer, Rosa Maria; Burtscher, Heinz
Ecotoxicol Environ Saf v40, n1-2, p126(11)
May-Jun 98

Polycyclic Aromatic Hydrocarbons (PAH) in Agricultural Soils in Eastern Poland
Malizewska-Kordybach, Barbara, Institute of Soil Science and Plant Cultivation (IUNG), Pulawy, Poland; Smreczak, Bozena
Toxicol Environ Chem v66, n1-4, p53(6)
1998

Design of a Solvent Extraction Process for PAH-Contaminated Sediments: the Wau-Acetone Process
Rulkens, W. H., Wageningen Agricultural University, Netherlands; Bruning, H.; van Hasselt, H. J.; Rienks, J.; van Veen, H. J.; Terlingen, J. P. M.
Water Sci Technol v37, n6-7, p411(8)
1998

Characterisation of PAH-Contaminated Sediments in a Remediation Perspective
Cuypers, M. P., Wageningen Agricultural University, Netherlands; Grotenhuis, J. T. C.; Rulkens, W. H.
Water Sci Technol v37, n6-7, p157(8)
1998

Polycyclic Aromatic Hydrocarbon (PAH) Deposition to and Processing in a Small Rural Lake, Cumbira, UK
Gevao, B., Lancaster University, UK; Jones, K. C.; Hamilton-Taylor, J.
Sci Total Environ v215, n3, p231(12)
May 4, 98

Comparison of in Vitro Digestive Fluid Extraction and Traditional in Vivo Approaches as Measures of Polycyclic Aromatic Hydrocarbon Bioavailability from Sediments
Weston, Donald P., (University of California, Berkeley); Mayer, Lawrence M. , (University of Maine, Walpole)
Environ Toxicol Chem v17, n5, p830(11)
May 98

PAH Emissions Influenced by Mn-Based Additive and Turbocharging from a Heavy-Duty Diesel Engine
Yang, Hsi-Hsien, National Cheng Kung University, Tainan, Taiwan; Lee, Wen-Jhy; Mi, Hsiao-Hsuan; Wong, Chih-Ho; Chen, Chung-Bang
Environ Int v24, n4, p389(15)1998
15 POLYBROMINATED HYDROCARBONS

Toxicological profile for Polybrominated biphenyls (PBBS)
Anonymous
Source: Agency for Toxic Substances and Disease Registry U.S. Public Health Service; 1995; 243 p

Scientific documentation on the Dutch list of occupational carcinogens (I). Polybrominated Biphenyls
Dutch Expert Committee on Occupational Standards
Source: Ministry of Social Affairs and Employment; RA 1/95; 1995; 128-9

Polybrominated biphenyls (PBBs)
Anonymous
Source: Canadian water quality guidelines; 1991

Polybrominated biphenyls
Anonymous
Source: IARC monographs on the Evaluation of the Carcinogenic risk of chemicals to humans; 41; 1986; 261-92

Polychlorinated biphenyls and polybrominated biphenyls
IARC Working Group
Source: IARC monographs on the Evaluation of the Carcinogenic risk of chemicals to humans; 18; 1978; 1-140

Environmental Health Criteria; Polybrominated dibenzo-p-dioxins and dibenzofurans.
Book Title: Environmental Health Criteria; Polybrominated dibenzo-p-dioxins and dibenzofurans
Author: WHO(a)
Book Author/Editor: WHO
Author Address: (a)Geneva, Switzerland
Book Publisher: WHO, Geneva, Switzerland

Environmental Health Criteria, 152. Polybrominated biphenyls.
Title: Environmental Health Criteria; Polybrominated biphenyls
Author: WHO
Book Author/Editor: WHO
Book Publisher: WHO, Geneva, Switzerland
Document Type: Book
Immunological Biochemical And Clinical Consequences Of Exposure To Polybrominated Biphenyls
Author: Bekesi J G; Roboz J; Fischbein A; Roboz J P; Solomon S; Greaves J
Author Address: Dep. Neoplastic Dis., The Mt. Sinai Sch. Med., City Univ., New York, NY 10029, USA.

Polybrominated dibenzo-p-dioxins and dibenzofurans: Literature review and health assessment.
Author: Mennear John H; Lee Cheng-Chun(a)
Author Address: (a)US Environmental Review Division, 401 M St. SW, Washington, DC 20460, USA

Structure-reactivity relationships in dehydrohalogenation reactions of polychlorinated and polybrominated alkanes.
Author: Roberts A L(a); Jeffers P M; Wolfe N L; Gschwend P M
Author Address: (a)Ralph m. Parsons Lab., Dep. Civil Environmental Engineering, M.I.T., Cambridge, MA 02139, USA
Document Type: Literature Review

Immunotoxicology Environmental Contamination By Polybrominated Biphenyls And Immune Dysfunction Among Residents Of The State Of Michigan USA
Author: Bekesi J G; Roboz J P; Fischbein A; Mason P
Author Address: Mt. Sinai Sch. Med., 10 E. 102nd St., New York, N.Y. 10029, USA.
Document Type: Review

Polybrominated Dibenzo-P-Dioxins And Dibenzofurans The Flame Retardant Issue
Author: Hutzinger O; Thoma H
Author Address: Chair Ecol. Chem. And Geochem., Univ. Bayreuth, P.O. Box 10 12 51, 8580 Bayreuth, Frg.
Document Type: Review

September, 2000
Relationship Of Basic Research In Toxicology To Environmental Standard Setting The Case Of Polybrominated Biphenyls In Michigan USA
Author: Aust S D; Millis C D; Holcomb L
Author Address: Dep. Biochem., Room 310, Michigan State Univ., East Lansing, Mi 48824-1319, USA.
Document Type: Review

Human Health Effects Of Polychlorinated Biphenyls Pcbs And Polybrominated Biphenyls Pbbs
Author: Kimbrough R D
Document Type: Review

Polybrominated Diphenylethers in Sediments and Biota Downstream of Potential Sources in the UK
Alchin, C. R., Centre for Environ Fisheries and Aquaculture, Burnham on Crouch, Essex, UK; Law, R. J.; Morris, S.
Environ Pollut v105, n2, p197(11) 1999

Workplace Monitoring of Polybrominated Dibenzofurans (PBDFs) and-Dioxins (PBDDs) During Extrusion Production and Injection Molding of a Polybutylene-Terephthalate (PBTP)/Glass Fibre Resin Blended with Tetrabromobisphenol A Carbonate Oligomer
Brenner, K. S., (ZSZ/Analytik, Ludwigshafen, Germany); Knies, H., (DUS/Sicherheit & Arbeitsschutz, Ludwigshafen, Germany)
Toxicol Environ Chem v38, p81(14) 1993

Formation of Polybrominated Dibenzofurans During Extrusion of High-Impact Polystyrene/Decabromodiphenyl Ether/Antimony(III) Oxide
Luijk, Ronald, Univ of Amsterdam, Netherlands; Govers, Harrie A. J.; Nelissen, Laurent
Environ Sci Technol v26, n11, p2191(8) Nov 92

Polybrominated diphenyl ethers detected in human adipose tissue from Spain.
Author: Meneses M(a); Wingfors H; Schuhmacher M(a); Domingo J L; Lindstrom G; Bavel B
Author Address: (a)Environmental Engineering Laboratory, "Rovira i Virgili" University, 43007, Tarragona, Spain
Flame retardant exposure: Polybrominated diphenyl ethers in blood from Swedish workers.
Author: Sjodin Andreas(a); Hagmar Lars; Klasson-Wehler Eva; Kronholm-Diab Kerstin; Jakobsson Eva; Bergman Ake
Author Address: (a)Department of Environmental Chemistry, Wallenberg Laboratory, Stockholm University, SE-106 91, Stockholm, Sweden

Bioaccumulation kinetics of brominated flame retardants (polybrominated diphenyl ethers) in blue mussels (Mytilus Edulis).
Author: Gustafsson Kerstin; Bjork Mikael(a); Burreau Sven; Gilek Michael
Author Address: (a)Department of Systems Ecology, Stockholm University, S-106 91, Stockholm, Sweden

Identification of 19 polybrominated diphenyl ethers (PBDEs) in long-finned pilot whale (Globicephala melas) from the Atlantic.
Author: Lindstrom G(a); Wingfors H; Dam M; v Bavel B
Author Address: (a)Institute of Environmental Chemistry, Umea University, SE-901 87, Umea, Sweden
Journal: Archives of Environmental Contamination and Toxicology 36 (3): p 355-363 April, 1999

Preliminary investigation in levels of polybrominated diphenyl ethers (PBDE) in breasts milk from primiparous women in Uppsala, Sweden.
Author: Atuma S(a); Aune M(a); Darnerud P O(a); Cnattingius S; Wernroth M L; Wicklund-Glynn A(a)
Author Address: (a)NFA, P.O. Box 622, S-751 26 Uppsala, Sweden
Conference/Meeting: 217th National Meeting of the American Chemical Society Anaheim, California, USA March 21-25, 1999
Sponsor: American Chemical Society

Effects of two polybrominated diphenyl ethers on rainbow trout (Oncorhynchus mykiss) exposed via food.
Author: Tjarnlund U(a); Ericson G(a); Orn U; De Wit C; Balk L(a)

Polybrominated diphenyl ethers and hexabromocyclododecane in sediment and fish from a Swedish River.
Author: Sellstrom Ulla(a); Kierkkegaard Amelie; De Wit Cynthia; Jansson Bo

September, 2000
Dietary uptake in pike (Esox lucius) of some polychlorinated biphenyls, polychlorinated naphthalenes and polybrominated diphenyl ethers administered in natural diet.
Author: Burreau Sven(a); Axelman Johan; Broman Dag; Jakobsson Eva
Author Address: (a)Dep. Zool., Stockholm Univ., S-106 91 Stockholm, Sweden

Identification and quantification of polybrominated diphenyl ethers and methoxy-polybrominated diphenyl ethers in Baltic biota.
Author: Haglund Peter S(a); Zook Douglas R; Buser Hans-Rudolf; Hu Jiwei
Author Address: (a)Inst. Environmental Chem., Umea Univ., S-901 87 Umea, Sweden

Cancer in a Michigan cohort exposed to polybrominated biphenyls (PBB).
Author: Hoque A(a); Sigurdson A; Burau K; Humphrey H; Sweeney A
Author Address: (a)Univ. Texas Sch. Public Health, Houston, TX 77030, USA
Conference/Meeting: 30th Annual Meeting of the Society for Epidemiologic Research Edmonton, Alberta, Canada June 12-14, 1997

Additive interactions between pairs of polybrominated dibenzo-p-dioxin, dibenzofuran, and biphenyl congeners in a rainbow trout early life stage mortality bioassay.
Author: Hornung Michael W; Zabel Erik W; Peterson Richard E(a)
Author Address: (a)Sch. Pharm., Univ. Wis., 425 N. Charter St., Madison, WI 53706, USA

Toxic equivalency factors of polybrominated dibenzo-p-dioxin, dibenzofuran, biphenyl, and polyhalogenated diphenyl ether congeners based on rainbow trout early life stage mortality.
Author: Hornung Michael W; Zabel Erik W; Peterson Richard E(a)
Author Address: (a)Sch. Pharm., 425 N. Charter St., Madison, WI 53706, USA

Polybrominated biphenyl induction of cytochrome P450 mixed function oxidase activity in primary rat and human hepatocytes.
Author: Merrill Jill C; Beck Dale J; Kaminski Don A; Li A P(a)
Author Address: (a)Surg. Res. Inst., St. Louis Univ. Health Sci. Cent., 3635 Vista Ave. at Grand, St. Louis, MO 631, USA
Journal: Toxicology 99 ( 3 ): p 147-152 1995

Isomer-specific determination and toxic evaluation of polychlorinated biphenyls, polychlorinated/brominated dibenzo-p-dioxins and dibenzofurans, polybrominated biphenyl ethers, and extractable organic halogen in carp
Author: Loganathan Bommanna G(a); Kannan Kurunthachalam; Watanabe Isao; Kawano Masahide; Irvine Kim; Kumar Subodh; Sikka Harish C
Author Address: (a)Skidaway Inst. Oceanography, Univ. System Georgia, 10 Ocean Science Circle, Savannah, GA 31411, USA
Metabolism of chlorofluorocarbons and polybrominated compounds by Pseudomonas putida G786(pHG-2) via an engineered metabolic pathway.
Author: Hur Hor-Gil; Sadowsky Michael J; Wackett Lawrence P(a)
Author Address: (a)Dep. Biochem., 140 Gortner Lab., Univ. Minnesota, 1479 Gortner Ave., St. Paul, MN 55108, USA

Effect of combustion temperature on the atmospheric stability of polybrominated dibenzo-p-dioxins and dibenzofurans.
Author: Birla Parag; Kamens Richard M(a)
Author Address: (a)Dep. Environmental Sci. Eng., Univ. North Carolina, Chapel Hill, NC 27599-7400, USA

Developmental neurotoxicity of polybrominated biphenyls.
Author: Henck Judith W(a); Mattsson Joel L; Rezabek Dale H; Carlson Cynthia L; Rech Richard H
Author Address: (a)Parke-Davis Pharmaceutical Res., Div. Warner-Lambert Co., 2800 Plymouth Road, Ann Arbor, MI 4810, USA

An assessment of the reductive debromination of polybrominated biphenyls in the Pine River Reservoir.
Author: Morris Pamela J; Quenseni John F II; Tiedje James M; Body Stephen A(a)
Author Address: (a)Dep. Crop Soil Sci., Mich. State Univ., East Lansing, MI 48824, USA

Polybrominated diphenyl ethers (PBDE) in biological samples from the Swedish environment.
Author: Sellstrom Ulla(a); Jansson Bo(a); Kierkegaard Amelie(a); De Wit Cynthia(a); Odsjo Tjelvar; Olsson Mats
Journal: Chemosphere 26 (9): p 1703-1718 1993

The formation of polybrominated dibenzo-p-dioxins (PBDDs) and dibenzofurans (PBDFs) during pyrolysis of polymer blends containing brominated flame retardants.
Author: Luijk R; Govers H A J
Author Address: Dep. Environ. Toxicological Chem., Univ. Amsterdam, Nieuwe Achtergracht 166, 1018 WV Amsterdam, Netherlands Antilles

Levels of polychlorinated camphenes (toxaphene), chlordane compounds and polybrominated diphenyl ethers in seals from Swedish waters.
Author: Andersson Osten; Wartanian Arpi
Author Address: Natl. Food Adm., Box 622, S-751 26 Uppsala, Sweden
The Atmospheric Stability Of Polybrominated Dibenzo-P-Dioxins And Dibenzofurans
Author: Lutes C C; Charles M J; Kamens R M
Author Address: Dep. Environ. Sci. Eng., Univ. N.C. At Chapel Hill, Chapel Hill, N.C. 27599, USA.

Chamber Aging Studies On The Atmospheric Stability Of Polybrominated Dibenzo-P-Dioxins And Dibenzofurans
Author: Lutes C C; Charles M J; Odum J R; Kamens R M

Polybrominated Biphenyl Exposure And Human Cancer Report Of A Case And Public Health Implications
Author: Sherman J D
Author Address: P.O. Box 4605, Alexandria, Va. 22303.

The Atmospheric Stability Of Polybrominated Dibenzo-P-Dioxins And Dibenzofurans
Author: Lutes C C; Charles M J; Kamens R M

Effects Of Polybrominated Biphenyls On The Maturation Of Hepatic Cytochrome P450ia2 Activity During Puberty
Author: Lambert G H; Schoeller D A; Lietz H W; Doyle C M; Humphrey H H

The Caffeine Breath Test And Caffeine Urinary Metabolite Ratios In The Michigan Cohort Exposed To Polybrominated Biphenyls A Preliminary Study
Author: Lambert G H; Schoeller D A; Humphrey H E B; Kotake A N; Lietz H; Campbell M; Kalow W; Spielberg S P; Budd M
Copper-Promoted Reactions Of Polybrominated Dibenzo-P-Dioxins Pbrdd
Author: Wania F; Lenoir D
Author Address: Chair Ecological Chem., Univ. Bayreuth, Postfach 101251, 8580 Bayreuth, W. Ger.

Tetrabromobisphenol A Tbba Its Derivatives And Their Flame Retarded Fr Polymers
Content Of Polybrominated Dibenzo-P-Dioxins Pbdd And Dibenzofurans Pbdf Pbdd-F
Formation Under Processing And Smouldering Worst Case Conditions
Author: Thies J; Neupert M; Pump W
Author Address: Bayer Ag, Central Anal. Dep., D-5090 Leverkusen, Ger.

Thermal Formation Of Polybrominated Dibenzofurans And Dioxins From
Decabromodiphenyl Ether Flame Retardant Influence Of Antimony-Iii Oxide And The
Polymer Matrix
Author: Dumler R; Lenoir D; Thoma H; Hutzinger O
Author Address: Chair Ecol. Chem. Geochem., Univ. Bayreuth, P.O. Box 101251, D-8580 Bayreuth, W. Ger.

Thermal Formation Of Polybrominated Dibenzodioxins Pbddd And Dibenzofurans Pbdfff
From Bromine Containing Flame Retardants
Author: Dumler R; Thoma H; Lenoir D; Hutzinger O

Determinants Of Polychlorinated Biphenyls Pchbs Polybrominated Biphenyls Pbbs And
Dichlorodiphenyl Trichloroethane Ddt Levels In The Sera Of Young Children
Author: Jacobson J L; Humphrey H E B; Jacobson S W; Schantz S L; Mullin M D; Welch R
Author Address: Dep. Psychol., Wayne State Univ., 71 W. Warren Ave., Detroit, Mi 48202.

Bioconcentration Of Polybrominated Benzenes And Biphenyls And Related
Superhydrophobic Chemicals In Fish Role Of Bioavailability And Elimination Into The
Feces
Author: Gobas F A P C; Clark K E; Shiu W Y; Mackay D
Polybrominated Biphenyl Ethers In Marine Fish, Shellfish, and River and Marine Sediments In Japan
Author: Watanabe I; Kashimoto T; Tatsukawa R

Polybrominated And Chlorinated Dibenzo-P-Dioxins Synthesis Biologic And Toxic Effects And Structure-Activity Relationships
Author: Mason G; Denomme M A; Safe L; Safe S

Hypothyroidism And Abnormalities In The Kinetics Of Thyroid Hormone Metabolism In Rats Treated Chronically With Polychlorinated Biphenyl And Polybrominated Biphenyl
Author: Byrne J J; Carbone J P; Hanson E A

Effect Of Polybrominated Biphenyls On The Growth And Maturation Of Human Peripheral Blood Lymphocytes
Author: Lipson S M

The Effects Of Polybrominated Biphenyls Pbb On The Human Cytochrome P-450 System P-450
Author: Lambert G H; Humphrey H; Schoeller D

Bioavailability Of Soil-Borne Polybrominated Biphenyls Ingested By Farm Animals
Author: Fries G F
Author Address: Pesticide Degradation Lab., U.S. Dep. Agriculture, Beltsville, Maryland 20705.

Polybrominated Biphenyls And Fetal Mortality In Michigan USA
Author: Humble C G; Speizer F E
Author Address: Epidemiol., N.M. Tumor Registry, Univ. N.M., 900 Camino De Salud, Albuquerque, N.M. 87131.
Persistence Of Polybrominated Biphenyls In Human Post-Mortem Tissue
Author: Miceli J N; Nolan D C; Marks B; Hariharan M

Polychlorinated Biphenyls And Polybrominated Biphenyls Biochemistry Toxicology And Mechanism Of Action
Author: Safe S
Author Address: Dep. Of Physiology And Pharmacology, Texas A And M Univ., College Station, Texas.
16 HEXACHLOROCYCLOHEXANES

Factors influencing the distribution of lindane and other hexachlorocyclohexanes in the environment.
Author: Walker Kathleen(a); Vallero Daniel A; Lewis Robert G
Author Address: (a)National Center for Environmental Assessment, U.S. EPA, 401 M Street SW, Washington, DC, USA
Document Type: Literature Review

Complete analysis of genes and enzymes for gamma-hexachlorocyclohexane degradation in Sphingomonas paucimobilis UT26.
Author: Nagata Y(a); Miyauchi K; Takagi M
Author Address: (a)Department of Biotechnology, University of Tokyo, 1-1-1 Yayoi, Bunkyo-ku, Tokyo, 113-8657, Japan
Document Type: Article; Literature Review

Differential toxicity and environmental fates of hexachlorocyclohexane isomers.
Author: Willett Kristine L; Ulrich Elin M; Hites Ronald A(a)
Author Address: (a)Sch. Public Environmental Affairs, Dep. Chem., Indiana Univ., Bloomington, IN 47405, USA
Document Type: Literature Review

Lindane (addendum)
Anonymous
Source: Pesticide residues in food - 1997. Toxicology evaluations; 1998; 177-88

Toxicological profile for alfa-, beta-, gamma and delta-Hexachlorocyclohexane
Anonymous
Source: Agency for Toxic Substances and Disease Registry U.S. Public Health Service; ATSDR TP-93/09; 1994; 196 p

Health effects assessment for lindane
EPA working group
Source: Environmental protection agency; EPA/540/1-86/056; 1984; 49 p

Health effects assessment for hexachlorocyclopentadiene
EPA working group
Source: Environmental protection agency; EPA/540/1-86/001; 1984; 46 p
Hexachlorocyclohexanes (Group 2B)
Anonymous
Source: IARC Monographs on the evaluation of the carcinogenic risk of chemicals to humans; Suppl. 7; 1987; 220-2

Hexachlorocyclopentadiene
Anonymous
Source: Canadian water quality guidelines; 1987

Hexachlorocyclohexanes
Anonymous
Source: Canadian water quality guidelines; 1987

Hexachlorocyclopentadiene
Anonymous
Source: ACGIH. Documentation of the threshold limit values and biological exposure indices.; 6th ed; 1992; 739-40

Lindane
Anonymous
Source: ACGIH. Documentation of the threshold limit values and biological exposure indices; 6th ed; 1992; 858-61

Beta-hexachlorocyclohexane
WHO working group
Source: Environmental Health Criteria; 123; 1992; 67-140

Alpha-hexachlorocyclohexane
WHO working group
Source: Environmental Health Criteria; 123; 1992; 1-66

Lindane
WHO working group
Source: Environmental Health Criteria; 124; 1991; 208 p

Ambient water quality criteria for hexachlorocyclopentadiene
EPA working group
Source: Environmental Protection Agency; EPA 440/5-80-065; 1980; 100 p

Ambient water quality criteria for hexachlorocyclohexane
EPA working group
Source: Environmental Protection Agency; EPA 440/5-80-054; 1980; 110 p

Hexachlorocyclopentadiene
WHO working group
Source: Environmental Health Criteria; 120; 1991; 112 p

September, 2000
Integrated criteria document hexachlorocyclohexanes. Effects
Anonymous
Source: National institute for public health and environmental protection (RIVM), The Netherlands.; Appendix No 758473011; 1988; 121 p

Integrated criteria document hexachlorocyclohexanes
Anonymous
Source: National institute for public health and environmental protection (RIVM), The Netherlands; No 758473011; 1988; 128 p

Health assessment document for hexachlorocyclopentadiene. Final report
Epa working group
Source: Environmental Protection Agency; EPA-600/8-84-001; 1984; 177p

BHC (technical grades) and lindane
Anonymous
Source: IARC monographs on the Evaluation of the Carcinogenic risk of chemicals to humans; 5; 1974; 47-74

Hexachlorocyclohexane (technical HCH and lindane)
Anonymous
Source: IARC monographs on the Evaluation of the Carcinogenic risk of chemicals to humans; 20; 1979; 195-239

Enantiomers of methylhexachlorocyclohexane and hexachlorocyclohexane in fish, shellfish, and waters of the Mersey Estuary.
Author: McNeish A S; Bidleman T; Leah R T; Johnson M S(a)
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Author: Breivik Knut(a); Pacyna Jozef M; Muench Joerg
Author Address: (a)Norwegian Institute for Air Research, N-2007, Kjeller, Norway

Two different types of dehalogenases, LinA and LinB, involved in gamma-hexachlorocyclohexane degradation in Sphingomonas paucimobilis UT26 are localized in the periplasmic space without molecular processing.
Author: Nagata Yuji(a); Futamura Akiko; Miyauchi Keisuke; Takagi Masamichi
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Temporal and spatial patterns in alpha- and gamma-hexachlorocyclohexane concentrations in industrially contaminated rivers.

Author: Meharg Andrew A(a); Wright Julian; Leeks Graham J L; Wass Paul D; Osborn Daniel

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Global chemical fate of alpha-hexachlorocyclohexane. 2. Use of a global distribution model for mass balancing, source apportionment, and trend prediction.

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Seasonal impacts on beta-hexachlorocyclohexane concentration in soil solution.

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Journal: Environmental Pollution 106 (1): p 139-141 1999

Long term measurements of wet deposition and precipitation scavenging of hexachlorocyclohexanes in Southern Norway.

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Journal: Environmental Pollution 105 (3): p 381-386 1999

Hexachlorocyclohexane-induced behavioural and neurochemical changes in rat.

Author: Sahoo Arjun; Samanta Luna; Das Alaka; Patra Sarat K; Chainy Gagan B N(a)

Author Address: (a)Biochem. Lab., Dep. Zool., Utkal Univ., Bhubaneswar 751 004, India

Trends and seasonability in alpha- and gamma-hexachlorocyclohexane in western Canadian surface waters (1975-94).
Author: Crosley R W(a); Donald D B; Block H O
Author Address: (a)Ecol. Res. Div., Environ. Canada, Room 854, 220-4 Ave. SE, Calgary, Alberta T2G 4X3, Canada

Anaerobic transformation of beta-hexachlorocyclohexane by methanogenic granular sludge and soil microflora.
Author: Van Eekert Miriam H A(a); Van Ras Niels J P; Mentink Geert H; Rijnaarts Huub H M; Stams Alfons J M; Field Jim A; Schraa Gosse

Technical hexachlorocyclohexane use trends in China and their impact on the environment.
Author: Li Y F(a); Cai D J; Singh A
Author Address: (a)Atmospheric Environment Service, 4905 Dufferin Street, Downsview, Ontario M3H 5T4, Canada

Hexachlorocyclohexane and its isomers: Regional brain levels in the rat after dermal exposure.
Author: Kumar R; Pant N; Srivastava S P(a)
Author Address: (a)Industrial Toxicology Research Centre, P.O. Box No. 80, M. G. Marg, Lucknow 226 001, India

Degradation of alpha, beta, gamma and delta-hexachlorocyclohexanes by Sphingomonas paucimobilis.
Author: Johri Atul K(a); Dua Meenakshi; Tuteja Dipika; Sexana Renu; Saxena D M; Lal Rup
Author Address: (a)Dep. Zoology, Univ. Delhi, Delhi-7, India

Enantioselective accumulation of alpha-hexachlorocyclohexane in northern fur seals and double-crested cormorants: Effects of biological and ecological factors in the higher trophic levels.
Author: Iwata Hisato(a); Tanabe Shinsuke; Iida Tetsuji; Baba Norihisa; Ludwig James P; Tatsukawa Ryo
Author Address: (a)Dep. Environmental Veterinary Sci., Graduate Sch. Veterinary Med., Hokkaido Univ., N18 W9 North, Japan
Accelerated biodegradation of gamma-hexachlorocyclohexane (gamma-HCH) in a flooded alluvial soil retreated with gamma-HCH or its metabolite 1,2,4-trichlorobenzene (TCB).

Author: Bharati K; Padhy S; Adhya T K(a)
Author Address: (a)Lab. Soil Microbiol., Central Rice Res. Inst., Cuttack 753 006, India

Analyses of exposure to polychlorinated dibenzo-p-dioxins, furans, and hexachlorocyclohexane and different health outcomes in a cohort of former herbicide-producing workers in Hamburg, Germany.

Author: Flesch-Janys D(a)
Author Address: (a)Med. Cent. Chem. Workers' Health, Fuhlsbuettler Str. 401, 22309 Hamburg, Germany

Hexachlorocyclohexanes in air in southern Norway. Temporal variation, source allocation, and temperature dependence.

Author: Haugen John-Erik(a); Wania Frank; Ritter Nathalie; Schlabach Martin
Author Address: (a)MATFORSK, Norwegian Food Res. Inst., Osloveien 1, N-1430 As, Norway

Methyl lindane and other analogues of hexachlorocyclohexane in dab and plaice from the Mersey Estuary.

Author: McNeish Alexander S; Johnson Michael S; Leah Richard T
Author Address: Industrial Ecology Res. Centre, Dep. Environmental Evolutionary Biology, Univ. Liverpool, P.O. Box 1, UK

Comparative study on the acute toxicities of alpha, beta, gamma, and delta isomers of hexachlorocyclohexane to freshwater fishes.

Author: Oliveira-Filho E C; Paumgartten F J R(a)

Hexachlorocyclohexanes in human blood serum.

Author: Otero Raquel; Santiago-Silva Mary; Grimalt Joan O(a)
Author Address: (a)Dep. Environmental Chemistry, CID-CSIC, Jordi Girona 18, 08034 Barcelona, Catalonia, Spain

Role of ground water on hexachlorocyclohexane (lindane) detections in surface water in western Canada.

Author: Donald David B(a); Block Howard; Wood John
Author Address: (a)Environ. Can., Room 300, Park Plaza, 2365 Albert St., Regina, SK S4P 4K1 , Canada
Annual balances of hexachlorocyclohexanes, polychlorinated biphenyls and triazines in the German Bight.
Author: Huehnerfuss H(a); Bester K(a); Landgraff O; Pohlmann T; Selke K
Author Address: (a)Inst. Organische Chemie Univ. Hamburg, Martin-Luther-King-Platz 6, D-20146 Hamburg, Germany

Enantiomers of alpha-hexachlorocyclohexane as tracer of air-water gas exchange in Lake Ontario.
Author: Ridal Jeffrey J(a); Bidleman Terry F; Kerman Bryan R; Fox Michael E; Strachan William M J
Author Address: (a)St. Lawrence River Inst. Environ. Sci., 1111 Montreal Rd., Suite 144, Cornwall, ON K6H 1E1, Canada

Formation of polychlorinated biphenyls from the pyrolysis of hexachlorocyclohexane in the presence of Fe-2O-3.
Author: Zheng M-H; Bao Z-C(a); Wang K-O; Xu X-B
Author Address: (a)Res. Cent. Eco-Environmental Sciences, Chinese Acad. Sciences, P.O. Box 2871, Beijing 100085, China

Elimination of beta-hexachlorocyclohexane in occupationally exposed persons.
Author: Jung D(a); Becher H; Edler L; Flesch-Janys D; Gurn P; Konietzko J; Manz A; Paepke O
Author Address: (a)Inst. Occup. Social Med., Johannes-Gutenberg-Univ., Obere Zahlbacher Str. 67, D-55131 Mainz, Germany

Kinetics and mechanism of the sonochemical degradation of gamma-hexachlorocyclohexane (lindane).
Author: Gonzalez Alicia C; Olson Terese M
Author Address: Dep. Civil Environ. Eng., Univ. Calif., Irvine, CA 92627, USA
Conference/Meeting: 213th National Meeting of the American Chemical Society San Francisco, California, USA April 13-17, 1997

Levels of octachlorodipropylether and hexachlorocyclohexanes in surface water, sediments and rain.
Author: Yoshida Seisaku; Kitagawa Mikiya; Taguchi Shuzo; Fukushima Shigehiko
Author Address: Osaka Prefectural Inst. Public Health, 3-69 Nakamichi 1-chome, Higashinari-ku, Oksaka 537, Japan
Language: Japanese; Non-English
Summary Language: English
Novel estrogenic action of the pesticide residue beta-hexachlorocyclohexane in human breast cancer cells.

**Author:** Steinmetz Rosemary; Young Peter C M; Caperell-Grant Andrea; Gize Edward A; Madhukar Burra V; Ben-Jonathan Nira; Bigsby Robert M(a)

**Author Address:** (a)Dep. Obstetrics and Gynecology, Indiana Univ. Sch. Med., 1001 West Walnut Street, Indianapolis, , USA

**Journal:** Cancer Research 56 ( 23 ): p 5403-5409 1996

---

Isolation and characterization of a novel gamma-hexachlorocyclohexane-degrading bacterium.

**Author:** Thomas Jean-Christophe; Berger Francoise; Jacquier Maurice; Bernillon Dominique; Baud-Grasset Frederic; Truffaut Nicole; Normand Philippe; Vogel Timothy M; Simonet Pascal(a)

**Author Address:** (a)Laboratoire d'Ecologie Microbienne du Sol, UMR Centre Natl. de la Recherche Scientifique 5557, U, France


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Experimental and theoretical study of combined solvent and steam stripping of 1,2,3,4,5,6-hexachlorocyclohexane (HCH) and mercury from contaminated natural soil.

**Author:** Brouwers H J H

**Author Address:** Dep. Civil Eng. Management, Univ. Twente, P.O. Box 217, 7500 AE Enschede, Netherlands


---

In vitro effects of gamma-hexachlorocyclohexane on in vitro biosynthesis and metabolism of steroids in goldfish Carassius auratus.

**Author:** Kime David E(a); Singh Pratap B

**Author Address:** (a)Dep. Anim. Plant Sci., Univ. Sheffield, Sheffield S10 2UQ, UK

**Journal:** Ecotoxicology and Environmental Safety 34 ( 2 ): p 165-173 1996

---

Biotransformation of alpha-, beta-, gamma-, and omega-hexachlorocyclohexane under methanogenic conditions.

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**Author Address:** (a)Dep. Microbiol., Wageningen Agric. Univ., H. van Suchtelenweg 4, NL-6703 CT Wageningen, Netherlands

**Journal:** Environmental Science & Technology 30 ( 7 ): p 2345-2349 1996

---

Enantioselective degradation of alpha-hexachlorocyclohexane in twelve major rivers of the Northwest Territories.

**Author:** Backus S M(a); Swyripa M; Peddle J; Jeffries D S

**Author Address:** (a)Backus Consulting, Stony Creek, ON L8E 4K9, Canada

**Journal:** Canadian Technical Report of Fisheries and Aquatic Sciences 0 ( 2093 ): p 19 1996

**Conference/Meeting:** 22nd Annual Aquatic Toxicity Workshop St. Andrews, New Brunswick, Canada October 2-4, 1995
Hexachlorocyclohexane contamination in an urban area of Rio de Janeiro, Brazil.
Author: Oliveira R Maria; Brilhante O Magno
Author Address: Sanit. Environ. Health Dep./ENSP/FIOCRUZ, Rio de Janeiro, RJ, Brazil

The effect of the temperature bioconcentration characteristics of alpha-hexachlorocyclohexane.
Author: Yamada Hisashi(a); Tateishi Masahiro; Ikeda Kumiko(a)
Language: Japanese; Non-English
Summary Language: English

Novel polypeptides induced by the insecticide lindane (gamma-hexachlorocyclohexane) are required for its biodegradation by a Sphingomonas paucimobilis strain.
Author: Adhya Tapan K; Apte Shree K(a); Raghu K; Sethunathan N; Murthy N B K
Author Address: (a)Cell Biol. Div., Bhabha Atomic Res. Cent., Trombay, Bombay 400085, India

In vitro photoconversion of gamma-hexachlorocyclohexane in the presence of chlorophyll.
Author: Misra V(a); Pandey S D; Viswanathan P N
Author Address: (a)Ecotoxicol. Section, Industrial Toxicol. Res. Cent., P. Box No. 80, M. G. Marg Lucknow-226001, India

Evaluation of the performance of two commercial starters on the bioremediation of soils contaminated with mineral oil and HCH (Hexachlorocyclohexane).
Author: Zallo M; Susaeta I; Bargos T; Gorostiza I(a)
Author Address: (a)GAIKER, Parque Tecnologico, Edif. 202. 48016 Zamudio, Spain

Seasonality of air-water fluxes of hexachlorocyclohexanes in Lake Ontario.
Author: Ridal Jeffrey J(a); Kerman Bryan; Durham Louise; Fox Michael E
Author Address: (a)St. Lawrence River Inst. Environ. Sci., 709 Cotton Mill Road, Cornwall, Ontario K6H 7K7, Canada

Fate and atmospheric concentrations of alpha- and gamma-hexachlorocyclohexane in Quebec, Canada.
Author: Poissant Laurier(a); Koprivnjak Jean-Francois
Author Address: (a)Atmospheric Environ. Directorate, Environ. Canada, 100 Boulevard Alexis-Nihon, Saint-Laurent, Qu, Canada
Formation of polychlorinated dibenzo-p-dioxins and dibenzofurans from the pyrolysis of hexachlorocyclohexane in the presence of iron (III) oxide.

**Author:** Minghui Zheng; Zhicheng Bao(a); Xiaobai Xu; Keou Wang  
**Author Address:** (a)Res. Cent. Eco-Environ. Sci., Chinese Acad. Sci., Beijing 100085, China  

Enantiomeric ratios of alpha-hexachlorocyclohexane in blubber of small cetaceans.

**Author:** Tanabe Shinsuke(a); Kumaran Palaniappan(a); Iwata Hisato(a); Tatsukawa Ryo (a); Miyazaki Nobuyuki  
**Author Address:** (a)Dep. Environ. Conservation, Ehime Univ., Tarumi 3-5-7, Matsuyama 790, Japan  

Induction of paracetamol biotransformation in the rat liver by gamma-hexachlorocyclohexane.

**Author:** Itinose Ana Maria(a); Doi-Sakuno Marlene L(a); Bracht Adelar  
**Author Address:** (a)Dep. Clin. Sci. Lab., Univ. Maringa, 87020-900 Maringa, Brazil  
**Journal:** Research Communications in Alcohol and Substances of Abuse 16 ( 4 ): p 177-188 1995

The effect of the size of test fish species on bioconcentration characteristics of alpha-hexachlorocyclohexane.

**Author:** Yamada Hisashi(a); Tateishi Masahiro; Ikeda Kumiko(a)  
**Author Address:** (a)Environmental Conservation Div., Natl. Res. Inst. Fish. Sci., Nagai, Yokosuka, Kanagawa 238-03, Japan  
**Language:** Japanese; Non-English  
**Summary Language:** English

Hydrolysis and photolysis of hexachlorocyclopentadiene.

**Author:** Podowski A A; Khan M A Q(a)  
**Author Address:** (a)Dep. Biol. Sci., Univ. Illinois Chicago, 845 West Taylor St., Chicago, IL 60607-7060, USA  
**Journal:** Archives of Environmental Contamination and Toxicology 30 ( 1 ): p 21-29 1996

Hexachlorocyclohexane contamination in an urban area of South-Eastern Brazil.

**Author:** Oliveira Rosalia M(a); Brilhante Ogenis M; Moreira Josino C; Miranda Ary C  
**Author Address:** (a)Dep. de Saneamento, Saude Ambiental da Escola Nacional de Saude Publica/FIOCRUZ, Rua Leopoldo Bu, Brazil  
**Journal:** Revista de saude Publica 29 ( 3 ): p 228-233 1995  
**Language:** Portuguese; Non-English  
**Summary Language:** Portuguese; English

Chronic effects of hexachlorocyclohexane exposure: Clinical, hematologic and electrocardiographic studies.

**Author:** Srivastava A K(a); Gupta B N; Bihari V; Mathur N; Pangtey B S; Bharti R S  
**Author Address:** (a)Epidemiol. Div., Ind. Toxicol. Res. Cent., PB 80, Lucknow 226001, India  
**Journal:** Veterinary and Human Toxicology 37 ( 4 ): p 302-305 1995
Leaching of hexachlorocyclohexane isomers in a flooded field unplanted or planted to rice.
Author: Adhya T K (a); Rao V R; Dani R C; Panda D; Sethunathan N
Author Address: (a)Div. Soil Sci. Microbiol., Central Rice Res. Inst., Cuttack 753 006, India

Enantioselective breakdown of alpha-hexachlorocyclohexane in a small Arctic lake and its watershed.
Author: Falconer Renee L (a); Bidleman Terry F; Gregor Dennis J; Semkin Ray; Teixeira Camilla
Author Address: (a)Dep. Chem., Youngstown State Univ., Youngstown, OH 44555, USA

Author: Jantunen Liisa M; Bidleman Terry F (a)
Author Address: (a)Atmospheric Environ. Serv., 4905 Dufferin St., Downsview, ON M3H 5T4, Canada

Reproductive toxicology of hexachlorocyclohexane isomers: Induction of eggshell protein synthesis in Atlantic salmon.
Author: Oppen-Berntsen Dag O; Olsen Sissel O; Husoy Astrid-Mette; Goksoyr Anders
Conference/Meeting: Seventh International Symposium on Responses of Marine Organisms to Pollutants (PRIMO 7) Goteborg, Sweden April 20-22, 1993

Use of feeding rate and re-pairing of precopulatory Gammarus pulex to assess toxicity of gamma-hexachlorocyclohexane (lindane).
Author: Malbouisson Joao F C (a); Young Tom W K; Bark Anthony W
Author Address: (a)King's Coll. London, Univ. London, Div. Life Sci., Campden Hill Road, London W8 7AH, UK

Impact of gamma-hexachlorocyclohexane on the in vitro production of steroids from endogenous and exogenous precursors in the spermating roach, Rutilus rutilus.
Author: Singh Pratap B (a); Kime David E
Author Address: (a)Dep. Zool., Tilak Dhari Coll., Jaunpur, India
Journal: Aquatic Toxicology (Amsterdam) 31 (3): p 231-240 1995

Isomer and enantioselective degradation of hexachlorocyclohexane isomers in sewage sludge under anaerobic conditions.
Author: Buser Hans-Rudolf (a); Mueller Markus D
Author Address: (a)Swiss Federal Res. Station, CH-8820 Waedenswil, Switzerland

September, 2000
Mineralization of alpha-, gamma-, and beta-isomers of hexachlorocyclohexane by a soil bacterium under aerobic conditions.
Author: Sahu Siddhartha K; Patnaik K K; Bhuyan S; Sreedharan Bindu; Kurihara N; Adhya T K; Sethunathan N(a)
Author Address: (a)Lab. Soil Microbiol., Central Rice Res. Inst., Cuttack 753 006, India

Air-water gas exchange and evidence for metabolism of hexachlorocyclohexanes in Resolute Bay, N.W.T.
Author: Falconer R L(a); Bidleman T F; Gregor D J
Author Address: (a)Dep. Chem., Youngstown State Univ., Youngstown, OH 44555, USA

Air-Water Equilibrium of Hexachlorocyclohexanes and Chloromethoxybenzenes in the North and South Atlantic.
Author: Schreitmueller Joern; Ballschmiter Karlheinz(a)
Author Address: (a)Dep. Anal. Environ. Chem., Univ. Ulm, Albert-Einstein-Allee 11, Ulm D-89069, Germany

Combined Intrinsic and Stimulated in Situ Biodegradation of Hexachlorocyclohexane (HCH)
Langenhoff, A. A. M., TNO Institute of Environ Sciences, Apeldoorn, Netherlands; van Liere, H. C.; Pijls, C. G. J. M.; Schraa, G.; Rijnaarts, H. H. M.
Phytoremediation and Innovative Strategies for Specialized Remedial Applications (Battelle) v5, n6, p81(7)
1999

Toxicological Profile for Hexachlorocyclopentadiene
HHS Toxicological Profile for Hexachlorocyclopentadiene (225)
Jul 99
Document Type: fed govt report

Toxicological Profile for Alpha-, Beta-, Gamma- and Delta-Hexachlorocyclohexane (Update)
HHS Toxicological Profile for Alpha-, Beta-, Gamma-, and Delta-Hexachlorocyclohexane (Update) (313)
Jul 99
Document Type: fed govt report

Global Chemical Fate of (gr)a-Hexachlorocyclohexane. 2. Use of a Global Distribution Model for Mass Balancing, Source Apportionment, and Trend Prediction
Wania, Frank, (WECC Wania Environ Chemists Corp, Toronto, ON, Canada); Mackay, Donald, (Trent University, Peterborough, ON, Canada)
Environ Toxicol Chem v18, n7, p1400(8)
Jul 99
Global Chemical Fate of (gr)a-Hexachlorocyclohexane. I. Evaluation of a Global Distribution Model
Wania, Frank, WECC Wania Environ Chemists Corp, Toronto, ON, Canada; Mackay, Donald; Li, Yi-Fan; Bidleman, Terry F.; Strand, Asbjorn
Environ Toxicol Chem v18, n7, p1390(10)
Jul 99

Seasonal Impacts of (gr)b-Hexachlorocyclohexane Concentration in Soil Solution
Kalbitz, K., (University of Bayreuth, Germany); Popp, P., (UFZ Centre for Environ Research Leipzig-Halle, Germany)
Environ Pollut v106, n1, p139(3)
1999

Effect of Carbofuran and Hexachlorocyclohexane on N2O Production in Alluvial Soils
Singh, N., Indian Agricultural Research Institute, New Delhi; Majumdar, D.; Kumaraswamy, S.; Shakil, N. A.; Kumar, S.; Jain, M. C.; Ramakrishnan, B.
Bull Environ Contam Toxicol v62, n5, p584(7)
May 99

Trends and Seasonality in (gr)a- and (gr)g-Hexachlorocyclohexane in Western Canadian Surface Waters (1975-94)
Croley, R. W., Environ Canada, Calgary, AB; Donald, D. B.; Block, H. O.
Environ Pollut v103, 2-3, p277(9)
1998

Accelerated Biodegradation of (gr)g-Hexachlorocyclohexane ((gr)g-HCH) in a Flooded Alluvial Soil Retreated with (gr)g-HCH or Its Metabolite 1,2,4-Trichlorobenzene (TCB)
Bharati, K., Central Rice Research Institute, Cuttack, India; Padhy, S.; Adhya, T. K.
Bull Environ Contam Toxicol v60, n6, p858(6)
Jun 98

Comparative Study on the Acute Toxicities of (gr)a, (gr)b, (gr)g, (gr)d Isomers of Hexachlorocyclohexane to Freshwater Fishes
Oliveira-Filho, E. C., National School for Public Health, Rio de Janeiro, Brazil; Paumgartten, F. J. R.
Bull Environ Contam Toxicol v59, n6, p984(5)
Dec 97

Effects of Acute Exposure to Lindane ((gr)g-Hexachlorocyclohexane) on Brain and Liver Carbohydrate Metabolism of Rainbow Trout
Soengas, J. L., Universidade de Vigo, Spain; Strong, E. F.; Aldegunde, M.; Andres, M. D.
Ecotoxicol Environ Saf v38, n2, p99(9)
Nov 97

Toxicological Profile for Hexachlorocyclopentadiene
Ademoyero, Adedamola, Agency for Toxic Substances and Disease Registry, Atlanta, GA; Neft, Robin; Donohue, Joyce M.; Hales, Yvonne N.; George, Julia
HHS Toxicological Profile for Hexachlorocyclopentadiene p1(169)
Sep 97

September, 2000
Elimination of (gr)b-Hexachlorocyclohexane in Occupationally Exposed Persons
Jung, D, University of Mainz, Germany; Becher, H.; Edler, L.; Flesch-Janys, D.; Gurn, P.;
Konietzko, J.; Manz, A.
J Toxicol Environ Health v51, n1, p23(12)
May 97

Methylated Hexachlorocyclohexane in Blue Mussels (Mytilus edulis) from the Mersey and Dee Estuaries
McNeish, A. S., University of Liverpool, UK; Johnson, M. S.; Leah, R. T.
Environ Pollut v95, n3, p303(7)
1997

Biotransformation of (gr)a-, (gr)b-, (gr)g-, and (gr)d-Hexachlorocyclohexane Under Methanogenic Conditions
Middeldorp, Peter J. M., Wageningen Agricultural University, Netherlands; Jaspers, Marco; Zehnder, Alexander J. B.; Schraa, Gosse
Environ Sci Technol v30, n7, p2345(5)
Jul 96

Fate and Atmospheric Concentrations of (gr)a- and (gr)g-Hexachlorocyclohexane in Quebec, Canada
Poissant, Laurier; Koprivnjak, Jean-Francois, Environ Canada, Saint-Laurent, PQ
Environ Sci Technol v30, n3, p845(7)
Mar 96

Enantioselective Breakdown of (gr)a-Hexachlorocyclohexane in a Small Arctic Lake and Its Watershed
Falconer, Renee L., Atmospheric Environ Service, Downsview, ON, Canada; Bidleman, Terry F.; Gregor, Dennis J.; Semkin, Ray; Teixeira, Camilla
Environ Sci Technol v29, n5, p1297(6)
May 95

Jantunen, Liisa M.; Bidleman, Terry F., Atmospheric Environ Service, Downsview, ON, Canada
Environ Sci Technol v29, n4, p1081(9)
Apr 95

Impact of (gr)g-Hexachlorocyclohexane on the In Vitro Production of Steroids from Endogenous and Exogenous Precursors in the Spermiating Roach, Rutilus rutilus
Singh, Pratap B.; Kime, David E., University of Sheffield, UK
Aquat Toxicol v31, n3, p231(10)
Mar 95
17 LINDANE

Lindane (addendum)
Anonymous
Source: Pesticide residues in food - 1997. Toxicology evaluations; 1998; 177-88

Health effects assessment for lindane
EPA working group
Source: Environmental protection agency; EPA/540/1-86/056; 1984; 49 p

Hexachlorocyclohexanes (Group 2B)
Anonymous
Source: IARC Monographs on the evaluation of the carcinogenic risk of chemicals to humans; Suppl. 7; 1987; 220-2

Lindane
Anonymous
Source: ACGIH. Documentation of the threshold limit values and biological exposure indices; 6th ed; 1992; 858-61

Lindane
WHO working group
Source: Environmental Health Criteria; 124; 1991; 208 p

Lindane
FAO and WHO working groups
Source: FAO plant production and protection paper; 100/2; 1988; 141-55

BHC (technical grades) and lindane
Anonymous
Source: IARC monographs on the Evaluation of the Carcinogenic risk of chemicals to humans; 5; 1974; 47-74

Hexachlorocyclohexane (technical HCH and lindane)
Anonymous
Source: IARC monographs on the Evaluation of the Carcinogenic risk of chemicals to humans; 20; 1979; 195-239

Mobilization of PCBs and lindane from soil during in vitro digestion and their distribution among bile salt micelles and proteins of human digestive fluid and the soil.
Author: Oomen Agnes G(a); Sips Adrienne J A M; Groten John P; Sijm Dick T H M; Tolls Johannes
Author Address: (a)Environmental Toxicology and Chemistry, Research Institute of Toxicology (RITOX), Utrecht University, 3508 TD, Utrecht, Netherlands
Journal: Environmental Science & Technology 34 (2); p 297-303 Jan. 15, 2000
Behavior of different formulations of lindane on chickpea.
Author: Mukherjee I(a); Gopal M
Author Address: (a) Agricultural Research Service, Division of Agricultural Chemicals, Indian Agricultural Research Institute, New Delhi, 110012, India

Diffusive movement of simazine and lindane in river-bed sediments.
Author: Daniels W M; House W A(a); Zhmud B V; Rae J E; Parker A
Author Address: (a) Inst. Freshwater Ecol., River Lab., East Stoke, Wareham, Dorset BH20 6BB, UK

Indoor air pollution by lindane and DDT indicated by head hair samples of children.
Author: Neuber Kerstin(a); Merkel Guenter; Randow Friedrich F E
Author Address: (a) Faculty of Medicine, Institute of Public Health, University of Rostock, Schillingallee 70, 18057, Germany

Patterns of groundwater concentration fate of lindane in an irrigated semiarid area in Argentina.
Author: Ares Jorge O(a); Miglierina Ana Maria; Sanchez Ramon
Author Address: (a) Department of Biology, Biochemistry and Pharmacy, Universidad Nacional del Sur, San Juan 670, 80, Argentina

Effects of the organochlorine insecticide lindane (gamma-C6H6Cl6) on the population responses of the freshwater amphipod Hyalella azteca.
Author: Blockwell Stephen J(a); Maund Stephen J; Pascoe David
Author Address: (a) Department of Pure and Applied Biology, University of Wales, Cardiff, CF1 3TL, UK

Effect of lindane on the clearance rate of Daphnia magna.
Author: Hartgers E M; Heugens EHW; Deneer J W(a)
Author Address: (a) DLO Winand Staring Centre for Integrated Land, Soil and Water Research SC-DLO, 6700 AC, Wagening, Netherlands
Journal: Archives of Environmental Contamination and Toxicology 36 (4): p 399-404 May, 1999

Energetic effects of sublethal exposure to lindane on pipistrelle bats (Pipistrellus pipistrellus).
Author: Swanepoel R E; Racey P A; Shore R F(a); Speakman J R
Author Address: (a) Inst. Terrestrial Ecol., Monks Wood, Abbots Ripton, Huntingdon, Cambridgeshire PE17 2LS, UK
Journal: Environmental Pollution 104 (2): p 169-177 1999
Trends in agricultural pesticide (atrazine, lindane, simazine) concentrations in the Thames Estuary.
Author: Power M(a); Attrill M J; Thomas R M
Author Address: (a)Dep. Agric. Economics, Univ. Manitoba, Winnipeg, MB R3T 2N2, Canada

Removal of pesticides from aqueous solutions by combined physicochemical process-the behaviour of lindane.
Author: Kouras A; Zouboulis A(a); Samara C; Kouimtzis T
Author Address: (a)Dep. Chem., Aristotle Univ., GR-54006 Thessaloniki, Greece

Effect of copper and lindane on some biomarkers measured in the clam Ruditapes decussatus.
Author: Hamza-Chaffai A; Romeo M(a); Gnassia-Barelli M; El Abed A
Author Address: (a)CNRS/GDR 1117, Lab. Physiol. Toxicol. Environ., Fac. Medicine, 06107 Nice Cedex 2, France

The acute toxicity of lindane to Hyalella azteca and the development of a sublethal bioassay based on precopulatory guarding behavior.
Author: Blockwell S J(a); Maund S J; Pascoe D
Author Address: (a)Sch. Pure Appl. Biol., Univ. Wales, Cardiff, PO Box 915, Cardiff CF1 3TL, UK

Residues of the organochlorine compounds lindane, heptachlor, aldrin, pp'DDE, pp'DDD y pp'DDT were determined in leaves of two species of mangrove (Rhizophora mangle and Avicennia germinans) from the Cienaga Grande de Santa Marta.
Author: Espinosa Luisa F(a); Campos Nestor H; Ramirez Gustavo(a)
Author Address: (a)INVEMAR, Apartado 1016, Santa Marta, Colombia
Language: Spanish; Non-English

Influence of environmental toxicants, lindane and DDT, on in vitro cultured bovine oviduct epithelial cell function.
Author: McNutt-Scott T L; Bauer M; Dinkins M B
Author Address: Biol. Dep., Augusta State Univ., Augusta, GA, USA
Conference/Meeting: Thirty-first Annual Meeting of the Society for the Study of Reproduction College Station, Texas, USA August 8-11, 1998
Sponsor: Society for the Study of Reproduction
DDT and Lindane exposure following hylotox use.
Author: Baudisch Christoph; Proesch Joachim
Author Address: Landeshygieneinst. Mecklenburg-Vorpommern, Aussenstelle Schwerin, Abt. Umwethyg., Bornhoevedstr. 78, Germany
Conference/Meeting: Sixth Conference of the Society for Hygiene and Environmental Medicine in Tuebingen Tuebingen, Germany March 1-3, 1998
Sponsor: Society for Hygiene and Environmental Medicine
ISSN: 0934-8859
Language: German; Non-English

Chlorpyriphos, quinalphos, lindane residues in sesame seed and oil (Sesamum indicum L.).
Author: Bhatnagar A; Gupta A(a)
Author Address: (a)5/290 SFS, Mansarovar, Jaipur, 302020 Rajasthan, India

The wood preservative "Hylotox": Contamination with DDT, lindane, and PCP in Sachsen-Anhalt.
Author: Sobottka A; Thriene B; Schumann G; Doering C
Author Address: Hygieneinst. Sachsen-Anhalt Magdeburg, Magdeburg, Germany
Conference/Meeting: 5th Congress of the Gesellschaft fuer Hygiene und Umweltmedizin (Society for Hygiene and Environmental Medicine) Aachen, Germany March 6-8, 1997
Sponsor: The Gesellschaft fuer Hygiene und Umweltmedizin (Society for Hygiene and Environmental Medicine)
Language: German; Non-English

Reproductive efficiency in mink (Mustela vison) treated with the pesticides lindane, carbofuran and pentachlorophenol.
Author: Beard A P; McRae A C; Rawlings N C(a)
Author Address: (a)Dep. Vet. Physiol. Sci., WCVM, Univ. Saskatchewan, Saskatoon, SK S7N 5B4, Canada

Behaviour and spatial and temporal variations of polychlorinated biphenyls and lindane in the urban atmosphere of the Paris area, France.
Author: Granier Laurent Khalil(a); Chevreuil Marc
Author Address: (a)Postgraduate Res. Inst. Sedimentol., Univ. Reading, Whiteknights, PO Box 227, Reading RG6 6AB, UK
Fate of Lindane in water/sediment-systems: Bioaccumulation in benthic organisms and aerobic degradation at low concentrations.

**Book Title:** Communications from the Federal Biological Institute for Agriculture and Forestry Berlin-Dahlem

**Original Language Book Title:** Mitteilungen aus der Biologischen Bundesanstalt fuer Land- und Forstwirtschaft Berlin-Dahlem.

**Author:** Egeler P; Kalsch W; Knacker T; Roembke J

**Book Author/Editor:** Laux W: Ed

**Author Address:** ECT Oekotoxikol. GmbH, Boettgerstrasse 2-14, D-65439 Floersheim am Main, Germany

**Journal:** Mitteilungen aus der Biologischen Bundesanstalt fuer Land- und Forstwirtschaft Berlin-Dahlem (321): p 391 1996

**Book Publisher:** Biologische Bundesanstalt fuer Land- und Forstwirtschaft, Koenigin-Luise-Strasse 19, D-1000 Berlin-Dahlem, Germany

**Conference/Meeting:** 50th German Meeting on Plant Protection Muenster, Germany September 23-26, 1996

**Language:** German; Non-English

---

Enhanced mineralization of lindane in soils supplemented with the white rot basidiomycete *Phanerochaete chrysosporium.*

**Author:** Mougin Christian(a); Pericaud Claude; Dubroca Jaqueline; Asther Marcel

**Author Address:** (a)INRA, Unite Phytopharmacie Mediateurs Chim., Route de Saint-Cyr, F-78026 Versailles Cedex, France

**Journal:** Soil Biology & Biochemistry 29 (9-10): p 1321-1324 1997

---

Diffusion mechanism of lindane into wood charcoal.

**Author:** Keerthinarayana S(a); Bandyopadhyay M

**Author Address:** (a)Civil Eng. Dep., Indian Inst. Technol., Kharagpur-721 302, India


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Biodegradation of Lindane by Pleurotus sajor-caju and toxic effects of Lindane and its metabolites on mice.

**Author:** Arisoy M(a); Kolankaya N

**Author Address:** (a)Dep. Biol., Fac. Sci., Hacettepe Univ., 06532 Beytepe, Ankara, Turkey

**Journal:** Bulletin of Environmental Contamination and Toxicology 59 (3): p 352-359 1997

---

Bioaccumulation of lindane and hexachlorobenzene by tubificid sludgeworms (Oligochaeta) under standardised laboratory conditions.

**Author:** Egeler Philipp(a); Roembke J; Meller M; Knacker T; Franke C; Studinger G; Nagel R

**Author Address:** (a)ECT Oekotoxikol. GmbH, Boettgerstr. 2-14, D-65439 Floersheim, Germany

Half-lives and bioconcentration of lindane (gamma-HCH) in different fish species and relationship with their lipid content.

Author: Geyer H J(a); Scheunert I; Brueggemann R; Langer D; Korte F; Kettrup A; Mansour M; Steinberg C E W; Nyholm N; Muir D C G


Photocatalytic degradation of lindane in aqueous solution.

Author: Hiskia Anastasia(a); Mylonas Athanasios(a); Tspi Despina; Papaconstantinou Elias(a)

Author Address: (a)Inst. Physical Chem., NCSR Demokritos, 153-10 Athens, Greece


Notes on the effects of sub-lethal doses of lindane and aldicarb on the reproduction of common quail.

Author: Jansen R

Author Address: FitzPatrick Inst., Univ. Cape Town, Rondebosch 7700, South Africa


A pond mesocosm study to determine direct and indirect effects of lindane on a natural zooplankton community.

Author: Peither Armin(a); Juettner Ingrid; Kettrup Antonius; Lay Jan-Peter

Author Address: (a)GSF-Forschungszentrum fuer Umwelt und Gesundheit, Inst. Bodenökologie, Neuherberg, 85764 Obersc, Germany


Bioaccumulation and metabolisation of Isoproturon, Linuron and Lindane by Lumbricus terrestris L.

Author: Branquart E(a); Deleu R; Copin A; Gaspar C(a)

Author Address: (a)Fac. Sci. Agronomiques Gembloux, UER Zoologie Generale Appliquee, Passage des Deportes, 2 B-5030, Belgium


Language: French; Non-English

Evaluating the environmental fate of lindane in France.

Author: Bintein S; Devillers J(a)

Author Address: (a)CTIS, 21 rue de la Banniere, 69003 Lyon, France


Effects of lindane on the planktonic community in freshwater microcosms.

Author: Fliedner Annette; Klein Werner

Author Address: Fraunhofer-Inst. Unweltchemie Oekotoxikol., D-57392 Schmallenberg, Germany

Effects of lindane on the growth of the freshwater amphipod Gammarus pulex (L.).
Author: Blockwell S J(a); Pascoe D; Taylor E J
Author Address: (a)Sch. Pure Applied Biology, Univ. Wales Coll. Cardiff, P.O. Box 915, Cardiff CF1 3TL, UK

Reduced birthweight and length in the offspring of females exposed to PCDFs, PCP, and lindane.
Author: Karmaus Wilfried(a); Wolf Nicola
Author Address: (a)NORDIG Inst. Health Res. Prev., Alte Kollaustrasse 32, 22529 Hamburg, Germany
Journal: Environmental Health Perspectives 103 (12): p 1120-1125 1995

Concentrations of pentachlorophenol and lindane in various assortments of wood.
Author: Pohlandt Katrin; Bockelmann Christine; Marutzky Rainer
Author Address: Wilhelm Klauditz Inst., Fraunhofer Working Group Wood Research, Bienroder Weg 54 E, 38108 Braunschwe, Germany

Effects of lindane on Daphnia magna during chronic exposure.
Author: Ferrando M D; Sancho E; Andreu-Moliner E

Levels of alpha-HCH, lindane, and enantiomeric ratios of alpha-HCH in marine mammals from the northern hemisphere.
Author: Hummert Kerstin; Vetter Walter; Luckas Bernd(a)
Author Address: (a)Inst. Food Environment, University Jena, Germany

Lindane transport in freshwater from wetlands of Brittany to the salt water of the Bay of Mont St. Michel (France).
Author: Gueune Y(a); Winnett G
Author Address: (a)Lab. D'Evolution Systemes Naturels Modifies Univ. Rennes, Rennes, France

Lindane treatment alters both intestinal mucosa composition and brush border enzymatic activity in chickens.
Author: Moreno M J; Pellicer S; Fernandez-Otero M P(a)
Author Address: (a)Dep. Physiol. Nutrition, Fac. Pharm., Univ. Navarra, C/ Irunlarrea s/n, 31008 Pamplona, Spain
Effects of lindane on the predator-prey interaction between Hydra oligactis Pallas and Daphnia magna strauss.
Author: Taylor E J(a); Morrison J E; Blockwell S J; Tarr A; Pascoe D
Author Address: (a)Sch. Pure Applied Biol., Univ. Wales Coll. Cardiff, PO Box 915, Cardiff CF1 3TL, UK

Lindane raises catfish electrodetection threshold.
Author: Peters Robert C(a); Loos Wim J G(a); Hobbelen Margreet(a); Bretschneider Franklin(a); Hermens Joop L M
Author Address: (a)Utrecht Univ., Dep. Comparative Physiol., Padualaan 8, 3584 CH Utrecht, Netherlands

Field measurement and modelling the fate of aniline and lindane in a UK lowland River.
Author: Cousins Ian T(a); Watts Chris D; Freestone Richard
Author Address: (a)WRc plc, Henley Rd., Medmenham, Marlow, Buckinghamshire SL7 2HD, UK

Deposition of lindane in Denmark.
Author: Cleemann Marianne(a); Poulsen Mette E; Hilbert Gudrun
Author Address: (a)Natl. Environmental Res. Inst., Frederiksborgvej 399, DK-4000 Roskilde, Denmark

Effect of lindane exposure on rainbow trout (Oncorhynchus mykiss) immunity: IV. Prevention of nonspecific and specific immunosuppression by dietary vitamin C (ascorbate-2-polyphosphate).
Author: Dunier Muriel(a); Vergnet Christine(a); Siwicki Andrzej K; Verlhac Viviane
Author Address: (a)Lab. Toxicol. Metab. Ecotoxicol., INRA-ENVL, B.P. 83, 69280 Marcy l'Etoile, France

The neurotoxic effects of lindane at acute and subchronic dosages.
Author: Ortiz Martinez Agustin(a); Martinez-Conde Esperanza

Repeated exposure to lindane leads to behavioral sensitization and facilitates electrical kindling.
Author: Gilbert M E
Author Address: Neurotoxicology Div., Health Effects Res. Lab., U.S. Environmental Protection Agency, Research Trian, USA

September, 2000
Toxicological effects in rabbits induced by endosulfan, lindane, and methylparathion representing agricultural byproducts contamination.

Author: Ceron J J(a); Panizo C G; Montes A


Journal: Bulletin of Environmental Contamination and Toxicology 54 (2) : p 258-265 1995

Lindane and methylparathion residue degradation in carnation byproduct (Dianthus caryophyllus, L.) under different environmental conditions.

Author: Ceron J J(a); Barba A; Camara M A; Gutierrez C

Author Address: (a)Dep. Patologia Animal, Fac. Vet., Univ. Murcia, Murcia 30100, Spain

Journal: Bulletin of Environmental Contamination and Toxicology 54 (1) : p 150-157 1995

Effects of the Organochlorine Insecticide Lindane ((gr)g-C6H6Cl6) on the Population Responses of the Freshwater Amphipod Hyalella azteca

Blockwell, Stephen J., University of Wales, Cardiff, UK; Maund, Stephen J.; Pascoe, David

Environ Toxicol Chem v18, n6, p1264(6) Jun 99

Chemistry and Toxicology of the Chlorinated Cyclodienes and Lindane

Bloomquist, Jeffrey R., Virginia Polytechnic Institute and State University, Blacksburg

Rev Toxicol v2, n5-6, p333(23) 1998

Degradation Ability of White Rot Fungi: Bioremediation of Pentachlorophenol and Lindane

White, Richard B.; Lamar, Richard T., EarthFax Engineering, Salt Lake City, UT

Soil Groundwater Cleanup p11(6) Dec-Jan 99

Intrinsic Remediation at Former Lindane Production Facility

Havlicek, Stephen C., Coast-to-Coast Analytical Specialists, Dallas, TX; Stansbury, John; Ebbs, Bill

Natural Attenuation: Chlorinated and Recalcitrant Compounds (Battelle) p153(6) 1998

Half-Lives and Bioconcentration of Lindane ((gr)g-HCH) in Different Fish Species and Relationship with Their Lipid Content


Chemosphere v35, n1-2, p343(9) Jul 97

Environmental Exposure to Lindane: A Human Health Perspective

Choudhary, Gangadhar, (US Department of Health and Human Services, Atlanta, GA); Wedge, Roberta M., (ICF Incorporated, Fairfax, VA)

Lindane and Endosulfan Residues in Water and Fish in the Ashanti Region of Ghana
Osafo-Acquaah, S., University of Science and Technology, Kumasi, Ghana
IAEA/et al Environ Behavior of Crop Protection Chemicals Conf Proc, Vienna, Austria p471(8) 1997

Persistence in Soil of Endosulfan and Lindane Applied to Soyabean and Maize Pests in a Field Trial Agrosystem in Zimbabwe
Zaranyika, M. F.; Mugari, P., University of Zimbabwe, Harare, Zimbabwe
IAEA/et al Environ Behavior of Crop Protection Chemicals Conf Proc, Vienna, Austria p151(12) 1997

Soil Persistence, Plant and Non-Target Insect Uptake of Endosulfan and Lindane Applied to Soya Bean and Maize in Field Trials in Zimbabwe
Zaranyika, M. F.; Mugari, P., University of Zimbabwe, Harare, Zimbabwe
FAO/IAEA Final Research Coordination Meeting on Organochlorine Insecticides in African Agroecosystems, Entebbe, Uganda p219(13) Nov 27-Dec 1, 95

Persistence of Lindane and Endosulfan Under Field Conditions in Zambia
Mwangala, F. S., National Council for Scientific Research, Chilanga, Zambia; Mundia, P. M.; Nondo, J. C.; Banda, R.; Mangoye, C.
FAO/IAEA Final Research Coordination Meeting on Organochlorine Insecticides in African Agroecosystems, Entebbe, Uganda p213(6) Nov 27-Dec 1, 95

The Effect of Lindane on Non-Target Fauna in a Maize Agro-Ecosystem in Zambia
Deedat, Y. D., University of Zambia, Lusaka, Zambia; Chanda, S.; Chivundu, A. M.; Kalembe, G.; Mecha, C. D.
FAO/IAEA Final Research Coordination Meeting on Organochlorine Insecticides in African Agroecosystems, Entebbe, Uganda p199(6) Nov 27-Dec 1, 95

Adverse Effects of Lindane in a Maize Agro-Ecosystem in Uganda
Tukahirwa, E. M., Makerere University, Kampala, Uganda; Tinzaara, W.; Kiremire, B. T.
FAO/IAEA Final Research Coordination Meeting on Organochlorine Insecticides in African Agroecosystems, Entebbe, Uganda p189(9) Nov 27-Dec 1, 95

Effects of Lindane on a Maize Ecosystem at TPRI, Arusha, Tanzania
Minja, E. M., Tropical Pesticides Research Institute, Arusha, Tanzania; Makusi, R.; Tesha, F.
FAO/IAEA Final Research Coordination Meeting on Organochlorine Insecticides in African Agroecosystems, Entebbe, Uganda p169(12) Nov 27-Dec 1, 95
Lindane Residues in Fish Inhabiting Nigerian Rivers
Okereke, G. U., Nnamdi Azikiwe University, Awka, Nigeria; Chidodbem, J.; Dje, Y.
FAO/IAEA Final Research Coordination Meeting on Organochlorine Insecticides in African Agroecosystems, Entebbe, Uganda p135(5)
Nov 27-Dec 1, 95

Persistence of Lindane in Rice and Maize Ecosystems in Nigeria
Okereke, G. U., Nnamdi Azikiwe University, Awka, Nigeria; Onochie, C. C.; Onyeagba, E.; Dje, Y.
FAO/IAEA Final Research Coordination Meeting on Organochlorine Insecticides in African Agroecosystems, Entebbe, Uganda p129(5)
Nov 27-Dec 1, 95

Persistence and Fate of Soil Applied 14C-Lindane in a Maize Ecosystem
Yeboah, P. O., Ghana Atomic Energy Commission, Legon, Ghana; Montford, K. G.; Apoh, W.; Dodoo, S.
FAO/IAEA Final Research Coordination Meeting on Organochlorine Insecticides in African Agroecosystems, Entebbe, Uganda p119(9)
Nov 27-Dec 1, 95

Residues of Lindane and Endosulfan in Water and Fish Samples from Rivers, Farms in Besase, Agogo and Akomadan in the Ashanti Region of Ghana
Osafo-Acquaah, S.; Frimpong, E., University of Science and Technology, Kumasi, Ghana
FAO/IAEA Final Research Coordination Meeting on Organochlorine Insecticides in African Agroecosystems, Entebbe, Uganda p103(7)
Nov 27-Dec 1, 95

Fate and Distribution of Lindane and Endosulfan in Maize and Cowpea Ecosystems Respectively
FAO/IAEA Final Research Coordination Meeting on Organochlorine Insecticides in African Agroecosystems, Entebbe, Uganda p93(9)
Nov 27-Dec 1, 95

Degradation of Lindane by Microorganisms. Evaluation of Inhibitory Effect on Microbial Activity Using Radiorespirometry
Farghaly, M., Middle Eastern Regional Radioisotope Centre for the Arab Countries, Cairo, Egypt; Zayed, S. M. A. D.; Soliman, S. M.
FAO/IAEA Final Research Coordination Meeting on Organochlorine Insecticides in African Agroecosystems, Entebbe, Uganda p55(12)
Nov 27-Dec 1, 95

Fate and Effects of 14C-Lindane in an Agricultural Ecosystem
Farghaly, M., Middle Eastern Regional Radioisotope Centre for the Arab Countries, Cairo, Egypt; Zayed, S. M. A. D.; Nawito, M.; Desouky, H. M.; Soliman, S. M.
FAO/IAEA Final Research Coordination Meeting on Organochlorine Insecticides in African Agroecosystems, Entebbe, Uganda p41(13)
Nov 27-Dec 1, 95
Studies on Fate of 14C-Lindane in Soil and Chickpea Plants Under Laboratory Conditions
Meguenni, H., Centre de Developpement des Techniques Nucleaires, Algiers, Algeria
FAO/IAEA Final Research Coordination Meeting on Organochlorine Insecticides in African Agroecosystems, Entebbe, Uganda p35(5)
Nov 27-Dec 1, 95

Behaviour of Lindane (Gamma HCH) in Soil Under Laboratory Conditions
Bennaceur, M., Centre de Developpement des Techniques Nucleaires, Algiers, Algeria; Ghezal, F.; Coste, C. M.
FAO/IAEA Final Research Coordination Meeting on Organochlorine Insecticides in African Agroecosystems, Entebbe, Uganda p29(6)
Nov 27-Dec 1, 95

Persistence and Effect of Lindane (Gamma HCH) in a Maize Field
Bennaceur, M., Centre de Developpement des Techniques Nucleaires, Algiers, Algeria; Ghezal, F.; Meguenni, H.; Hamadache, A.; Coste, C. M.
FAO/IAEA Final Research Coordination Meeting on Organochlorine Insecticides in African Agroecosystems, Entebbe, Uganda p23(6)
Nov 27-Dec 1, 95

Fate and Effects of Lindane in a Chickpea Field
Meguenni, H., Centre de Developpement des Techniques Nucleaires, Algiers, Algeria; Bennaceur, M.; Sennaqui, Z.; Ghezal, F.
FAO/IAEA Final Research Coordination Meeting on Organochlorine Insecticides in African Agroecosystems, Entebbe, Uganda p15(7)
Nov 27-Dec 1, 95

Effect of Lindane on the Ultrastructure of the Liver of the Rainbow Trout, Oncorhynchus mykiss, Sac-Fry
Biagianti-Risbourg, Sylvie, Universite de Reims Champagne-Ardenne, France; Pairault, Catherine; Vernet, Guy; Boulekbache, Habib
Chemosphere v33, n10, p2065(15)
Nov 96

Uptake of Endosulphan and Lindane by Crickets (Orthoptera), Spiders (Arachnida), Grasshoppers (Orthoptera), and Beetles (Coleoptera), Following Application of the Pesticides for the Control of Soya Bean and Maize Pests Respectively in a Field Trial in Zimbabwe
Zaranyika, Mark F.; Mugari, Philemon, University of Zimbabwe, Harare
J Environ Sci Health-Pestic Food Contam Agric Wastes vB31, n3, p485(10)
May 95

The Neurotoxic Effects of Lindane at Acute and Subchronic Dosages
Martinez, Agustin Ortiz; Martinez-Conde, Esperanza, Universidad Complutense, Spain
Ecotoxicol Environ Saf v30, n2, p101(5)
Mar 95

September, 2000
Influence of Air Velocity, Application Dose, and Test Area Size on the Volatilisation of Lindane
Waymann, B.; Rudel, H., Fraunhofer-Institut fur Umweltchemie und Okotoxikologie, Schmallenberg, Germany
Int J Environ Anal Chem v58, n1-4, p371(8)
Jan 95