

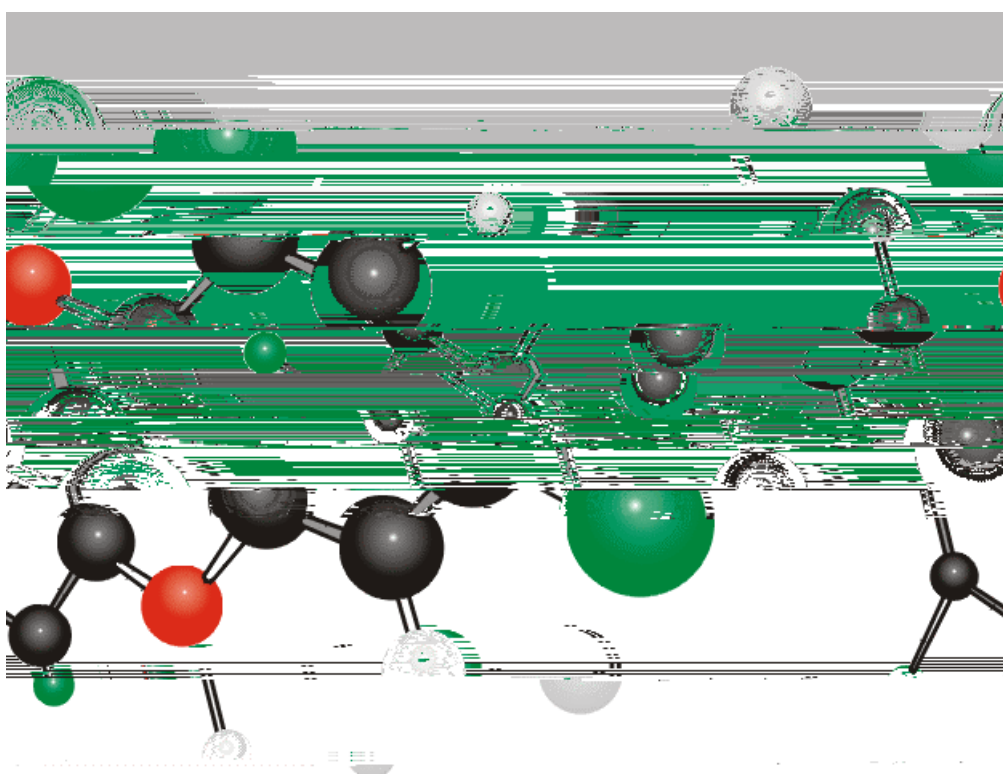


UNITED NATIONS  
ENVIRONMENT PROGRAMME



## GEF: Regionally Based Assessment of Persistent Toxic Substances

### Bibliography for a Selected Number of Persistent Toxic Substances



UNEP Chemicals  
September 2000

IOMC

INTER-ORGANIZATION PROGRAMME FOR THE SOUND MANAGEMENT OF CHEMICALS

A cooperative agreement among UNEP, ILO, FAO, WHO, UNIDO, UNITAR and OECD





**UNITED NATIONS  
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# **GEF: Regionally Based Assessment of P**







## 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, Organo Mercury, Polycyclic Aromatic Hydrocarbons, Polybrominated Hydrocarbons, Hexachlorocyclohexanes and Lindane.

Tw 0 Tj 0 -13.68 TD -0.1175 T-28tach7.9883 Tw (bex22T2 literaturejournalssc 0.1240. 0) Tj -468 681.6 T

A first screening was made in the bibliographic databases Biosis, Enviroline, Pol5952 Tcly Base





## 2 ALDRIN/DIELDRIN

**Monograph: Reassessment of human cancer risk of 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 Elmwood 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

**Journal:** ACS Symposium Series 621 p 176-186 1996

**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

**Author Address:** Monitoring Assessment Res. Cent., King's Coll., Campden Hill, London, England, UK

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 Begründung 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 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

**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**Journal:** Canadian Journal of Zoology 76 ( 2 ): p 243-250 Feb., 1998**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 Atmospheric Sci., Cornell Univ., Ithaca, , USA**Journal:** Environmental Toxicology and Chemistry 17 ( 6 ): p 1034-1038 June, 1998**Effect of aldrin on fatty acid composition of triglycerides in wasp, *Polistes hebraeus*.****Author:** Zaheer Khalid(a)**Author Address:** (a)Dep. Biol. Sci., Quaid-i-Azam Univ., Islamabad, Pakistan**Journal:** Pakistan Journal of Zoology 29 ( 3 ): p 237-240 1997**Dieldrin in fish and shellfish from the Mersey Estuary and Liverpool Bay.****Author:** Leah R T; Johnson M S; Connor L; Levene C**Author Address:** Ind. Ecol. Res. Cent., Sch. Biol. Sci., Univ. Liverpool, Post Office Box 147, Liverpool L69 3BX, UK**Journal:** Bulletin of Environmental Contamination and Toxicology 60 ( 5 ): p 802-808 May, 1998**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**Journal:** Soil Science and Plant Nutrition 43 ( SPECIAL ISSUE ): p 1037-1039 Dec., 1997**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**Journal:** Bulletin of Environmental Contamination and Toxicology 60 ( 3 ): p 480-486 March, 1998**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**Journal:** Australian Veterinary Journal 75 ( 11 ): p 833 Nov., 1997**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

**Journal:** Reproductive Toxicology 11 ( 6 ): p 791-798 Nov.-Dec., 1997

**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

**Journal:** Environmental Toxicology and Chemistry 16 ( 11 ): p 2393-2403 1997

**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

**Journal:** Occupational and Environmental Medicine 54 ( 10 ): p 702-707 1997

**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, /F

No. 0803D4112 w (2403 1997 ) Tj 54.24 0 T 0 TD 0 Tc 0.12 Tw ( ) Tj -214.32 -13.92 TD /F2 12 Tf -0

**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

**Journal:** Journal of Food Protection 60 ( 3 ): p 300-304 1997

**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

**Journal:** Food and Agricultural Immunology 8 ( 4 ): p 273-278 1996

**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

**Journal:** Bulletin of Environmental Contamination and Toxicology 58 ( 2 ): p 334-340 1997

**Aldrin poisoning in Karwan dogs and its successful treatment.**

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

**Author Address:** Dep. Vet. Med., Coll. Vet. and Anim. Sci., Udgir-413 517, Dist. Latur, MS, India

**Journal:** Indian Veterinary Journal 73 ( 6 ): p 671-673 1996

**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

**Author Address:** (a)Fish Toxicol. Lab., Dep. Zool., Kamla Nehru Inst. Phys. Soc. Sci., Sultanpur 228 118, India

**Journal:** Bulletin of Environmental Contamination and Toxicology 57 ( 2 ): p 204-210 1996

**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

**Journal:** Journal of Vector Ecology 21 ( 1 ): p 14-16 1996

**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

**Journal:** Fundamental and Applied Toxicology 30 ( 2 ): p 187-193 1996



**Accumulation and elimination of aldrin in the oyster *Crassostrea rhizophorae* in Ciénaga 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 Biología Tropical 43 ( 1-3 ): p 161-172 1995**Language:**

**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

**Journal:** Food and Agricultural Immunology 7 ( 1 ): p 3-8 1995

**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

**Journal:** Environmental Toxicology and Chemistry 14 ( 6 ): p 961-965 1995

**Dieldrin and dopamine neuron toxicity.**

**Author:** Sanchez-Ramos Juan; Song S; Facca A; Basit A

**Author Address:** Miami, FL, USA

**Journal:** Neurology 45 ( 4 SUPPL. 4 ): p A379-A380 1995

**Conference/Meeting:** 47th Annual Meeting of the American Academy of Neurology Seattle, Washington, USA May 6-13, 1995

**Hyperglycemia due to aldrin toxicity in goat.**

**Author:** Jain Archana; Dixit N K; Dhanotiya R S

**Author Address:** Dep. Physiol., Coll. Vet. Sci. Animal Husbandy, J.N. Krishi Vishawavidyalaya, Mhow 453 446, India

**Journal:** Journal of Environmental Biology 16 ( 1 ): p 45-50 1995

**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

**Journal:** Environmental Toxicology and Chemistry 14 ( 3 ): p 435-443 1995

**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., Burham-on Courch, Essex CM0 8HA, UK

**Journal:** Chemosphere 30 ( 3 ): p 547-560 1995

**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 Zool v76, n2, p243(8)  
Feb 98

**Modulation of 7,12-Dimethylbenz(a)anthracene Disposition and Hepatocarcinogenesis 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**



### 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 Begründung 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



**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

**Journal:** Abstracts of Papers American Chemical Society 217 ( 1-2 ): p ENVR 88 1999

**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

**Journal:** Neurotoxicology (Little Rock) 20 ( 1 ): p 125 Feb., 1999

**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

**Journal:** Toxicology Letters (Shannon) 104 ( 1-2 ): p 127-135 Jan. 11, 1999

**Polychlorinated biphenyls and chlordane in the gonads of paddlefish, *Polyodon spathula*, from the Ohio River.**

**Author:** Gundersen D T(a); Kraehling M D; Donosky J J; Cable R G; Mims c74 TcT019248Tw6(472mTc0a(123

**Multi-system failure in a suicidal chlordane ingestion. A case report.**







**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**Journal:** Bulletin of Environmental Contamination and Toxicology 55 ( 2 ): p 289-295 1995**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**Journal:** Bulletin of Environmental Contamination and Toxicology 54 ( 6 ): p 855-



**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 BrunswickNeweD ( ) Tj 0 -14.16 TD /F2 12 Tf -0.033 Tc 0( TI

**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-

**DDT and its derivatives**

WHO Working Group

**Source:** Environmental Health Criteria; 9; 1979; 1-194

**Seasonal and spacial trends of atmospheric DDT and related compounds in Michigan, 1992-1994.**

**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

**Journal:** New Zealand Journal of Agricultural Research 40 ( 2 ): p 269-282 1997

**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

**Journal:** Medical and Veterinary Entomology 8 ( 2 ): p 107-112 1994

**Document Type:** Literature Review

**What are the implicat.**



**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. Institut

**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

**Journal:** Food Additives and Contaminants 16 ( 10 ): p 411-417 Oct., 1999

**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

**Journal:** Marine Pollution Bulletin 38 ( 8 ): p 655-662 Aug., 1999

**Magnitude of (14C) DDT residues in stored dried fish and pre-cooking processing effect on their removal.**

**Author:** Rahman M; Khatoun 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

**Journal:** Journal of Food Science and Technology 35 ( 4 ): p 320-324 July-Aug., 1998

**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

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**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-



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Mitra, J.; Raghu, K., Bhabha Atomic Research Centre, Mumbai, India  
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**Author:** Noren K(a); Westrand C; Karpe F

**Author Address:** (a)Department of Medical Biochemistry and Biophysics, Karolinska Institutet, S-171 77, Stockholm, Sweden

**Journal:** Archives of Environmental Contamination and Toxicology 37 ( 3 ): p 408-414 Oct., 1999

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**Author:** Stach Jan; Pekarek Vladimir(a); Endrst Rene; Hetflejs Jiri

**Author Address:** (a)Institute of Chemical Process Fundamentals, Rozvojova 135, 165 02, Praha 6, Czech Republic

**Journal:** Chemosphere 39 ( 14 ): p 2391-2399 Dec., 1999

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**Author:** Loaiza-Perez Andrea I; Seisedos Maria-Teresa; Kleiman de Pisarev Diana L;

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**Author Address:** (a)Instituto de Investigaciones Biomedicas (CSIC-Author: 2s:

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**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

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**Book Publisher:** University of Buffalo, Great Lakes Center, Buffalo State College, 1300  
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**Author:** Faroon Obaid M(a); Kueberuwa Steven; Smith Lester; Derosa Christopher

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Kearney, Jill P., Health Canada, Ottawa, Ontario, Canada; Cole, Donald C.; Ferron, Liliane A.; Weber, Jean-Philippe

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**Author:** Kearney Jill P(a); Cole Donald C; Ferron Liliane A; Weber Jean-Philippe  
**Author Address:** (a)Health Canada, Ottawa, ON, Can

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**Author:** Meyer S A; Smart R C

**Author Address:** Dep. Toxicol., North Carolina State Univ., Raleigh, NC 27695-7633, USA

**Journal:** Proceedings of the American Association for Cancer Research Annual Meeting 35 (0 ): p 169 1994

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**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

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**Author:** Makarewicz Joseph C; Buttner Joseph K(a); Lewis Theodore W

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**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

p 103 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

### **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

p 102 1998

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**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

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



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**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

**Journal:** Journal of Great Lakes Research 25 ( 3 ): p 492-499 1999

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**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

**Journal:** Environmental Toxicology and Chemistry 18 ( 12 ): p 2775-2781 Dec., 1999

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**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

**Journal:** Toxicology 138 ( 2 ): p 69-80 Nov. 5, 1999

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**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

**Journal:** Environmental Science & Technology 33 ( 21 ): p 3864-3872 Nov. 1, 1999

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**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

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**Author:** Vetter Walter(a); Scherer Gerd

**Author Address:** (a)Department of Food Chemistry, Friedrich-Schiller-University Jena, Dornburger Str. 25, D-07743, Jena, Germany

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**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

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**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

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**Author:** Yang Chun; Chen Shiuan(a)

**Author Address:** (a)Division of Immunology, Beckman Research Institute of the City of Hope, Duarte, CA, 91010, USA

**Journal:** Cancer Research 59 ( 18 ): p 4519-4524 Sept. 15, 1999

**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

**Journal:** Environmental Toxicology and Chemistry 18 ( 9 ): p 1992-2000 Sept., 1999

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**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

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**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, Bloomington, USA

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**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

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**Author:** Swackhamer Deborah L; Pearson Roger; Symonik Daniel; Schottler Shawn

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**Author:** Morrison Robert D; Newell A Evan

**Author Address:** R. Morrison and A. Newell

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**Author Address:** (a)B240 Life Science, East Lansing, MI 48824, USA

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**Author:** Laouedj Abdelkrim; Schenk Charles; Pfohl-Leszkowicz Annie; Keith Gerard; Schontz Dominique; Guillemaut Pierre; Rether Benoit(a)

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**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

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**Author:** Crum J A; Aulerich R J; Polin D; Braselton W E; Bursian S J(a)

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**Author Address:** Div. Seed Technology, Indian Grassland, Fodder Res. Inst., Jhansi 284 003, India.

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## 10 POLYCHLORINATED BIPHENYLS

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

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**Author:** Safe S

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**Journal:** Safe, S. (Ed.). Environmental Toxin Series, Vol. 1. Polychlorinated Biphenyls (Pcb's): Mammalian And Environmental Toxicology. X+152p. Springer Verlag New York, Inc.: Secaucus, New Jersey, USA; Berlin, West Germany. ILLUS. ISBN 0-387-15550-3; ISBN 3-540-15550-3. 0 (0). 1987. X+152P.

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**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

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**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

**Journal:** Environmental Reviews 7 ( 4 ): p 203-223 1999

**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, Fakultat fuer Geowissenschaften, D-44780, Bochum, Germany

**Journal:** Journal of Plant Nutrition and Soil Science 162 ( 1 ): p 1-14 Feb., 1999

**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

**Journal:** Chemosphere 39 ( 8 ): p 1259-1271 Oct., 1999

**Document Type:** Literature Review

**Aerobic biodegradation of polychlorinated biphenyls by bacteria.**

**Author:** Vrana Branislav(a); Tandlich Roman; Balaz Stefan; Dercova Katarina

**Author Address:** (a)Dep. Biochem. Technol., Fac. Chem. Technol., Slovak Univ. Technol., Radlinskeho 9, SK-81237 Brat, Slovakia

**Journal:** Biologia (Bratislava) 53 ( 3 ): p 251-266 June, 1998

**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

p 21-33 1997

**Book Publisher:** Japan Scientific Societies

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**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  
p 11-20 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**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 Wasserreinigung, 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**Journal:** Trends in Analytical Chemistry 16 ( 10 ): p 563-573 Nov.-Dec., 1997**Document Type:** Literature Review**Position paper of the American Council on Science and Health:**

Add3



**Exposure to mixtures and congeners of polychlorinated biphenyls.**

**Author:** Skerfving Staffan(a); Svensson Bengt-Goran; Asplund Lillemor; Hagmar Lars

**Author Address:** (a)Dep. Occupational Environmental Medicine, Univ. Hosp., S-221 85 Lund, Sweden

**Journal:** Clinical Chemistry 40 ( 7 PART 2 ): p 1409-1415 1994

**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

**Journal:** Critical Reviews in Toxicology 24 ( 2 ): p 87-149 1994

**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

**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

**Journal:** Regulatory Toxicology and Pharmacology 18 ( 2 ): p 181-201 1993

**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

**Journal:** Environmental Toxicology and Chemistry 12 ( 11 ): p 1991-2003 1993

**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

**Journal:** Zentralblatt fuer Hygiene und Umweltmedizin 193 ( 6 ): p 528-556 1993

**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, turkey

**Journal:** Journal of Occupational Medicine 35 ( 2 ): p 136-148 1993

**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.

**Journal:** Kuratsune, M. And R. E. Shapiro (Ed.). Progress In Clinical And Biological Research, Vol. 137. Pcb Poisoning In Japan And Taiwan. Viii+155p. Alan R. Liss, Inc.: New York, N.Y., USA. ILLUS. ISBN 0-8451-0137-4. 0 (0). 1984. VIII+155P.

**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.

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**Contaminants in Ospreys from the Pacific Northwest: II. Organochlorine Pesticides, Polychlorinated Biphenyls, and Mercury, 1991-D1997**

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**

M; 90 TjD 29.Sci n1bouam Toxicov243TD 0 1 Tc 0.12 Tw (-) Tj 4.08 0 TD 0 Tc (8451) Tw (H) Tj 8 Soigating

**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)  
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**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.



**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.

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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)

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**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)  
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**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

p 40 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

**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.

**Journal:** WHO. 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. Viii+56p. WHO: Copenhagen, Denmark. Illus. Paper. 0 (0). 1987. Viii+56p.

**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

**Journal:** Environmental Health Perspectives 106 ( SUPPL. 2 ): p 755-760 April, 1998

**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

**Journal:** Environmental Toxicology and Water Quality 10 ( 1 ): p 57-75 1995

**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

**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

**Journal:** Chemosphere 36 ( 7 ): p 1493-1511 March, 1998

**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

**Journal:** Chemosphere 35 ( 10 ): p 2317-2330 Nov., 1997

**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

**Journal:** Journal of Hazardous Materials 47 ( 1-3 ): p 137-161 1996

**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

**Journal:** Acta Hydrochimica et Hydrobiologica 23 ( 6 ): p 280-288 1995

**Document Type:** Literature Review

**Language:** German; Non-English

**The toxicokinetics and metabolism of polychlorinated dibenzo-p-dioxins (PCDDs) and dibenzofurans (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

**Journal:** Critical Reviews in Toxicology 24 ( 1 ): p 1-74 1994

**Document Type:** Literature Review

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**2,3,7,8-Tetrachlordibenzo-p-dioxin (Addendum)**

Anonymous

**Source:** Toxikologisch-arbeitsmedizinische Begründung 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 Begründung 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







**Polychlorinated dibenzo-p-dioxins (PCDDs), dibenzofurans (PCDFs), biphenyls (PCBs), and organochlorine pesticides in yellow-blotched map turtle from the Pascagoula River Basin, Mississippi, USA.**

**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**Journal:** Chemosphere. 40 ( 9-11 ): p 1009-1014 May-June, 2000**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**Journal:** Chemosphere. 40 ( 9-11 ): p 995-1001 May-June, 2000**Myeloperoxidase-catalyzed formation of PCDD/F from chlorophenols.****Author:** Wittsiede 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**Journal:** Chemosphere. 40 ( 9-11 ): p 963-968 May-June, 2000**Polychlorinated dibenzo-p-**

**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

**Journal:** Environmental Science & Technology 34 ( 2 ): p 282-290 Jan. 15, 2000

**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

**Journal:** Environmental Health Perspectives 108 ( 1 ): p 13-19 Jan., 2000

**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

**Journal:** Chemosphere 40 ( 2 ): p 225-232 Jan., 2000

**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

**Journal:** Marine Pollution Bulletin 38 ( 12 ): p 1670-1679 Dec 0 13.68 TD/F2 12 Ber.D -0.024 ms in households

**Dag**

**r Address:**

**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

**Journal:** Environmental Science & Technology 33 ( 24 ): p 4440-4447 Dec. 15, 1999

**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

**Journal:** Chemosphere 39 ( 15 ): p 2661-2669 Dec., 1999

**Polychlorinated dibenzo-p-dioxins, polychlorinated dibenzofurans, and coplanar polychlorinated biphenyls in breast milk from two cities in Ukraine.**

**Author:** Gladen Beth C(a); Schechter Arnold J; Paepke Olaf; Shkyryak-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

**Journal:** Journal of Toxicology and Environmental Health Part A 58 ( 3 ): p 119-127 Oct. 15, 1999

**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

**Journal:** Archives of Environmental Contamination and Toxicology 37 ( 3 ): p 290-301 Oct., 1999

**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

**Journal:** Environmental Toxicology and Chemistry 18 ( 10 ): p 2123-2130 Oct., 1999

**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

**Journal:** Environmental Science & Technology 33 ( 17 ): p 2872-2878 Sept. 1, 1999

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**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

**Journal:** Environmental Science & Technology 33 ( 17 ): p 2864-2871 Sept. 1, 1999

**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, Taejeon, 305-701, South Korea

**Journal:** Environmental Science & Technology 33 ( 15 ): p 2657-2666 Aug. 1, 1999

**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

**Journal:** Environmental Science & Technology 33 ( 15 ): p 2493-2498 Aug. 1, 1999

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**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

**Journal:** Journal of Health Science 45 ( 1 ): p 1-7 Feb., 1999

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**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

**Journal:** Environmental Toxicology and Chemistry 18 ( 6 ): p 1097-1108 June, 1999

**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

**Journal:** Chemosphere 39 ( 3 ): p 419-429 Aug., 1999

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

**Author:** Iida Takao; Hirakawa Hironori; Matsueda Takahiko; Takenaka Shigeyuki(a); Nagayama Junya

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

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

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**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

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**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

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**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

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**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

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**Author:** Paepke O; Herrmann T

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

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**Sponsor:** American Chemical Society







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

**Author Address:** (a)Hamburg State Dep. Labor Health Social Affairs, Health Office, Div. Health Enrl

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## 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

**Author Address:** (a)GALAB, Max-Planck-Strasse, D-21502 Geesthacht, Germany

**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

**Author Address:** (a)Swiss Federal Inst. Environ. Sci. Technol., Swiss Federal Inst. Technol., Ueberlandstrasse 133, , Switzerland

**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

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**Source:** Canadian Environmental Protection Act; 1993; 32 p**Organotins**

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WHO Working Group

**Source:** Environmental Health Criteria; 15; 1980; 1-109**Actin modifications and calcium homoeostasis 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**Journal:** Toxicology In Vitro 11 ( 5 ): p 499-503 Oct., 1997**Document Type:**



**Organotin compounds decrease in vitro survival, proliferation and differentiation of normal human B lymphocytes.**

**Author:** De Santiago A; Aguilar-Santelises M(a)

**Author Address:** (a)Department of Hematology, (L8.3) Center for Molecular Medicine, Karolinska Hospital, S-171 76, Stockholm, Sweden

**Journal:** Human & Experimental Toxicology 18 ( 10 ): p 619-624 Oct., 1999

**Organometallic complexes with biological molecules: XIII. Organotin(IV)(meso-tetra (4-carboxyphenyl)porphinate)s and the cell cycle: A flow-cytometric approach.**

**Author:** Triolo F; Pellerito C; Stocco G C; Fiore T; Maggio F; Pellerito L(a); Triolo R

**Author Address:** (a)Dipartimento di Chimica Inorganica, Universita di Palermo, Viale delle Scienze, Parco D'Orleans, 90128, Palermo, Italy

**Journal:** Applied Organometallic Chemistry 13 ( 10 ): p 733-738 Oct., 1999

**Toxicity of certain penta-coordinated organotin(IV) and tetra-coordinated tin(II) complexes of heterocyclic beta-diketones against the larvae of Aedes aegypti (liston).**

**Author:** Jain Asha(a); Saxena Sanjiv(a); Rai Audhesh K(a); Saxena Prabhu N; Rao J Venkateshwara

**Author Address:** (a)Department of Chemistry, University of Rajasthan, Jaipur, 302 004, India

**Journal:** Metal-Based Drugs 6 ( 3 ): p 183-186 1999

**Significant organotin contamination of sediment and tissues of milkfish in brackish water ponds.**

**Author:** Coloso R M(a); Borlongan I G

**Author Address:** (a)Department of Pharmacology and Physiology, New Jersey Medical School, University of Medicine and Dentistry of New Jersey, 185 South Orange Avenue, University Heights, Newark, NJ, 07103, USA

**Journal:** Bulletin of Environmental Contamination and Toxicology 63 ( 3 ): p 297-304 Sept., 1999

**Organotin compounds and their interactions with microorganisms.**

**Author:** White Jane S; Tobin John M(a); Cooney Joseph J

**Author Address:** (a)School of Biotechnology, Dublin City University, Dublin 9, Ireland

**Journal:** Canadian Journal of Microbiology 45 ( 7 ): p 541-554 July, 1999

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**Author:** Michel P(a); Averty B

**Author Address:** (a)IFREMER, French Institute of Research and Exploitation of the Sea, 44311, Nantes Cedex 03, France

**Journal:** Marine Pollution Bulletin 38 ( 4 ): p 268-275 April, 1999

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**Author:** Morcillo Yolanda; Albalat Amaya; Porte Cinta(

**Author:**

**Temporal trends of organotin compounds in the aquatic environment of the Port of Osaka, Japan.****Author:** Harino H(a); Fukushima M; Kawai S**Author Address:** (a)Osaka City Institute of Public Health and Environmental Sciences, Tojocho 8-34, Tennoji-ku, Osa, Japan**Journal:** Environmental Pollution 105 ( 1 ): p 1-7 1999**Levels of organotin compounds in burbot (*Lota lota*) from Norwegian lakes.****Author:** Folsvik Norunn(a); Brevik Einar Magne**Author Address:** (a)Norw. Inst. Water Res., P.O. Box 173 Kjelsas, N-0411 Oslo, Norway**Journal:** HRC Journal of High Resolution Chromatography 22 ( 3 ): p 177-180 March, 1999**Inhibition of glutathione S-transferase catalyzed xenobiotic detoxication by organotin compounds in tropical marine fish tissues.****Author:** Al-Ghais S M(a); Ali B**Author Address:** (a)Mar. Environ. Res. Cent., Environ. Res. Wildl. Dev. Agency, Post Office Box 5553, Abu Dhabi, Un, United Arab Emirates

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**Author:** Harino H(a); Fukushima M; Yamamoto Y; Kawai S; Miyazaki N

**Author Address:** (a)Osaka City Institute Public Health, Environmental Sciences, Tojo-cho, 8-34, Tennoji-ku, Osaka 54, Japan

**Journal:** Archives of Environmental Contamination and Toxicology 35 ( 4 ): p 558-564 Nov., 1998

**Ubiquitous imposex and organotin bioaccumulation in gastropods *Nucella lapillus* from Galicia (NW Spain): A possible effect of nearshore shipping.**

**Author:** Ruiz J M(a); Quintela M; Barreiro R

**Author Address:** (a)Dep. BA BV Ecol., Univ. Coruna, Campus da Zapateira s/n, E-15071 Coruna, Spain

**Journal:** Marine Ecology Progress Series 164 ( 0 ): p 237-244 April 9, 1998

**The development of novel organotin anti-tumor drugs: Structure and activity.**

**Author:** de Vos Dick(a); Willem Rudolph; Gielen Marcel; Van Wingerden Kyra E; Nooter Kees

**Author Address:** (a)Med. Dep. Pharmachemie BV, PO Box 552, NL-003 RN Haarlem, Netherlands

**Journal:** Metal-Based Drugs 5 ( 4 ): p 179-188 1998

**Synthesis, structures and biological activities of organogermanium and organotin derivatives of hydroxamic acid.**

**Author:** Petrosyan Valery S(a); Yashina Natalia S; Ponomarev Sergei V

**Author Address:** (a)Dep. Chem., M.V. Lomonosov Mosc. State Univ., Moscow 119899, Russia

**Journal:** Metal-Based Drugs 5 ( 4 ): p 237-244 1998

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**Author:** Pain A(a); Cooney J J

**Author Address:** (a)Environ. Coastal Ocean Sci. Program, Univ. Mass., Boston, 100 Morrissey Blvd., MA 02125-3393, USA

**Journal:** Archives of Environmental Contamination and Toxicology 35 ( 3 ): p 412-416 Oct., 1998

**Marine invertebrates as bioindicators of organotin contaminants: Immuno- and embryotoxicity.**

**Author:** Cima Francesca(a); Marin Maria Gabriella; Da Ros Luisa; Ballarin Lorianò

**Author Address:** (a)Dipartimento di Biologia, Università di Padova, Via Trieste 75, 35121 Padova, Italy

**Journal:** Annali di Chimica 88 ( 7 ): p 517-527 July-Aug., 1998

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**Author:** Schimmelpfeng J; Krug H F

**Author Address:** Forschungszentrum Karlsruhe, Inst. Toxicol., P.O. Box 3640, D-76021 Karlsruhe, Germany

**Journal:** European Journal of Cell Biology 75 ( SUPPL. 48 ): p 64 1998

**Conference/Meeting:** 22nd Annual Meeting of the Deutsche Gesellschaft fuer Zellbiologie (German Society for Cell Bioloy) Saarbruecken, Germany March 15-19, 1998

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**Dose-dependent induction of apoptosis or necrosis in human cells in organotin compounds.****Author:** Saucke F; Zoeltzer H; Krug H F(a)**Author Address:** (a)Forschungszentrum Karlsruhe, Inst. Toxikologie, P.O. Box 3640, D-76021 Karlsruhe, Germany**Journal:** Fresenius' Journal of Analytical Chemistry 361 ( 4 ): p 386-392 June, 1998**Speciation of selenium and organotin compounds in sewage sludge applied to land.****Author:** Heninger Ingrid(a); Potin-Gautier Martin; Astruc Michel; Galvez Laure; Vignier Veronique**Author Address:** (a)Lab. Chim. Anal., Univ. Pau et Pays Adour, 64000 Pau, France**Journal:** Chemical Speciation and Bioavailability 10 ( 1 ): p 1-10 1998**Comparison of in vitro submitochondrial particle and microtox assays for determining the toxicity of organotin compounds.****Author:** Argese Emanuele(a); Bettioli Cinzia; Ghirardini Annamaria Volpi; Fasolo Matteo;



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**Author:** Poerschmann Juergen(a); Kopinke Frank-Dieter; Pawliszyn Janusz

**Author Address:** (a)Dep. Remediation Res., Cent. Environmental Res., Leipzig-Halle, Permoserstrasse 15, 04318 Leipzi, Germany

**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 Rathnagiri; Toggas Stephanie M; Krady J Kyle; Billingsley Melvin L(a)

**Author Address:** (a)Dep. Pharmacol., Pa. State Univ. Coll. Med., 500 University Dr., Hershey, PA 17033-0850, USA

**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

**Author Address:** H a l l e ,

**A synergistic effect of select organotin compounds and ionic surfactants on liposome membranes.****Author:** Kuczera Janina(a); Gabrielska Janina; Kral Teresa E; Przystalski Stanislaw**Author Address:** (a)Dep. Physics Biophysics, Agric. Univ., Norwida 25. 50-375 Wroclaw, Poland**Journal:** Applied Organometallic Chemistry 11 ( 7 ): p 591-600 1997**Organotin leachates in drinking water from chlorinated poly(vinyl chloride) (CPVC) pipe.****Author:**

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**Author:** Horiguchi Toshihiro(a); Shiraishi Hiroaki(a); Shimizu Makoto; Morita Masatoshi(a)



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aMissoul(aMT 59812v1996 2

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**Author:**

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**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

**Journal:** Marine Pollution Bulletin 32 ( 2 ): p 188-195 1996

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**Author:** Kawano A T Baba; Mizukami Y; Arizono K; Ariyoshi T(a)

**Author Address:** (a)Dep. Hygienic Chem. Toxicol., Fac. Pharm. Sci., Nagasaki Univ., 1-14 Bunkyo-cho, Nagasaki 852, Japan

**Journal:** Bulletin of Environmental Contamination and Toxicology 56 ( 5 ): p 774-781 1996

**ISSN:** 0007-4861

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**Author Address:** (a)Ruhr-Universitaet Bochum, Fakultae fuer Geowissenschaften, D-44780, Bochum, Germany

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**Author:** Cerniglia C E(a)

**Author Address:** (a)Div. Microbiol., National Center Toxicological Research, US Food and

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**Author:** Strickland Paul(a); Kang Daehee; Sithisarankul Pornchai

**Author Address:** (a)Dep. Environ. Health Sci., Johns Hopkins Sch. Hyg. Public Health, 615 North Wolfe St., Baltimore, USA

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**Author Address:** Cent. Invest. Technol., ANCAP, 91000 Pando, Uruguay

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**Author:** Arfsten Darryl P(a); Schaeffer David J; Mulveny Daniel C

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## 17 LINDANE

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**Author Address:** (a)Environmental Toxicology and Chemistry, Research Institute of Toxicology (RITOX), Utrecht University, 3508 TD, Utrecht, Netherlands

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Osafo-Acquaah, S., University of Science and Technology, Kumasi, Ghana 8)327.84 9TD /F0 Tc 0.12 Tw (

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**Effect of Lindane on the Ultrastructure of the Liver of the Rainbow Trout, *Oncorhynchus mykiss*, Sac-Fry**

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**Influence of Air Velocity, Application Dose, and Test Area Size on the Volatilisation of Lindane**

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