

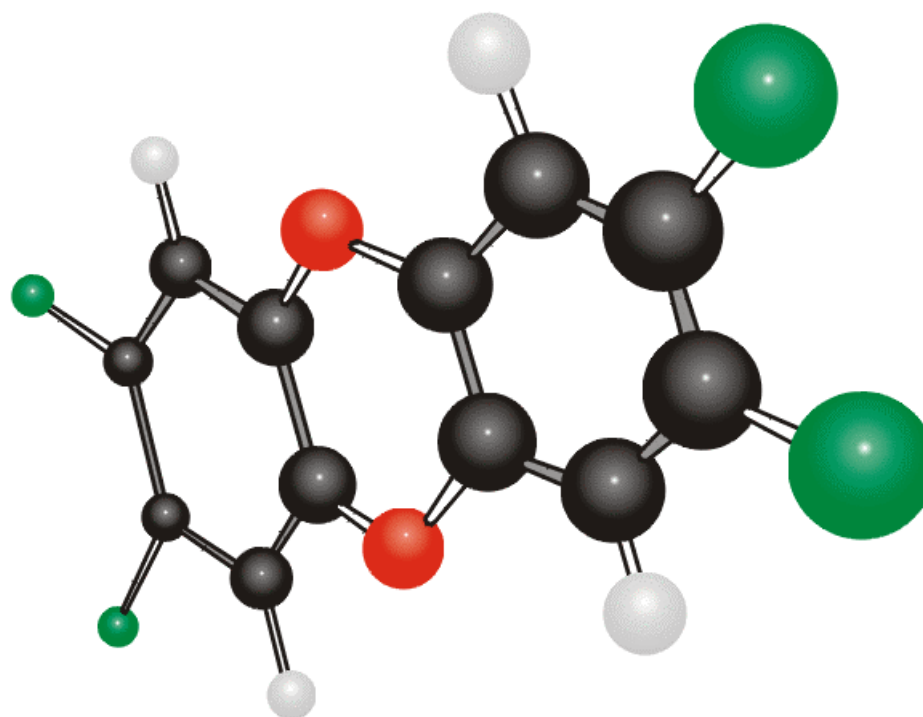


UNITED NATIONS
ENVIRONMENT PROGRAMME



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

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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.

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

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

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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

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Dieldrin

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Source: Canadian water quality guidelines; 1987

Aldrin/dieldrin

Anonymous

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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

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

Journal: Marine Pollution Bulletin 38 (9): p 830-836 Sept., 1999

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 Alessandros 5540 Santiago, Chile

Journal: In Vitro & Molecular Toxicology 11 (4): p 299-307 Winter, 1998

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

Journal: Abstracts of Papers American Chemical Society 217 (1-2): p ENVR 27 1999

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 gariepsinus* (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

Journal: Ecotoxicology and Environmental Safety 42 (1): p 22-29 Jan., 1999

The effects of pesticides chlordane, dieldrin and endosulfan on the growth of human breast cancer cell lines MCF-7 and SK-BR-3.

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Author Address: (a)Dep. Microbiol., Soochow Univ. Taipei, Taipei, Taiwan

Journal: Journal of the Chinese Agricultural Chemical Society 36 (6): p 535-546 Dec., 1998

Prenatal exposure to organochlorine pesticide dieldrin: Effects on postnatal expression of GABAA receptors and behavior in the rat.

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Dieldrin and picrotoxinin modulation of GABAA receptor single channels.

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Journal: Neuroreport 9 (14): p 3189-3195 Oct. 5, 1998

Experimental design approach for the optimization of supercritical fluid extraction of pyralene and aldrin in soil matrix.

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Author Address: (a)INSA Lyon, Lab. Anal. Environ. Procedes Syst. Ind., 20 av. A. Einstein, F-69621 Villeurbanne Ced, France

Journal: Waste Management 18 (2): p 117-123 1998

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)

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Journal: Journal of Reproduction and Fertility Abstract Series (21): p 26 July, 1998

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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.

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

Journal: Caldasia 20 (1): p 44-56 May, 1998

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

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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**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, WA 6401, Australia

Journal: Australian Veterinary Journal 75 (6): p 441-445 1997

Effect of sedimentary organic matter composition on the partitioning and bioavailability of Dieldrin to the oligochaete *Lumbricus variegatus*.

Author: Standley L J

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Journal: Environmental Science & Technology 31 (9): p 2577-2583 1997

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

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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

Journal: Food and Agricultural Immunology 9 (1): p 51-55 1997

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

Journal: Chemosphere 34 (8): p 1845-1849 1997

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.

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Absorption of dietary dieldrin by striped bass.

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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

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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.

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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 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 Biología 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; Nogueira Paula De B

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

Journal: Anais da Sociedade Entomologica do Brasil 24 (3): p 645-648 1995

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

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

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

Author: Smith R A; Tramontin R R

Author Address: Livestock Dis. Diagn. Cent., Dep. Vet. Sci., Univ. Ky., 1429 Newton Pike, Lexington, KY 40511, USA

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

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

Journal: British Journal of Pharmacology 115 (6): p 909-912 1995

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

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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

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Author: Ibrahim Azza M A; Ragab A A; Hewedi M M; Smith C J(a)

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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

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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

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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

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Lamai, S. L., University of Reading, United Kingdom; Warner, G. F.; Walker, C. H.
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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)
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Robertson, Boakai K., Cornell University, Ithaca, NY; Alexander, Martin
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Kaushik, N.; Kumar, S., Kumaon University, Nainital, India
Bull Environ Contam Toxicol v60, n3, p480(7)
Mar 98

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Werner, Ingeborg, (University of California, Davis); Nagel, Roland, (Technische Universitat Dresden, Germany)
Environ Toxicol Chem v16, n11, p2393(11)
Nov 97

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Nagami, H., Nara Prefectural Institute of Science and Technology, Kashiwagi, Japan
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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.
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Law, R. J., Ministry of Agriculture Fisheries and Food, Essex, UK; Allchin, C. R.; Morris, R. J.
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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

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

Chlordane and heptachlor

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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

Journal: Environmental Science & Technology 33 (14): p 2425-2431 July 15, 1999

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

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

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

Journal: Environmental Toxicology and Chemistry 18 (9): p 2095-2099 Sept., 1999

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

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

Journal: Abstracts of Papers American Chemical Society 218 (1-2): p ENVR 74 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

Why chlordane and the cyclodiene pesticides must be banned worldwide?

Author: Sherman Janette D(a)

Author Address: (a)Alexandria, VA, 22303, USA

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

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

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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

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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: Gunderson D T(a); Krahlung 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

Journal: Bulletin of Environmental Contamination and Toxicology 61 (5): p 650-657 Nov., 1998

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

Journal: European Journal of Soil Science 49 (4): p 709-716 Dec., 1998

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

Journal: Chemosphere 37 (9-12): p 2513-2523 Oct.-Nov., 1998

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**Journal:** Environmental Science & Technology 32 (13): p 1870-1874 July 1, 1998**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**Journal:** Atmospheric Environment 32 (11): p 1849-1856 June, 1998**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**Journal:** Chemosphere 36 (13): p 2819-2832 June, 1998**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 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

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

Author Address: (a)Geochem. and Environ. Res. Group, Tex. A and M Univ., 833 Graham Road, College Station, TX 77845, USA

Journal: Chemosphere 34 (5-7): p 1351-1357 1997

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. Johannis-Ring 19, CH-4056 Basel, Switzerland

Journal: Chemosphere 34 (5-7): p 951-963 1997

Chlordane as a neurotoxin in humans.

Author: Kilburn Kaye H

Author Address: Univ. South. Calif. Sch. Med., Lab. Environ. Sci., 2025 Zonal Ave., CSC 201, Los Angeles, CA 90033, USA

Journal: Southern Medical Journal 90 (3): p 299-304 1997

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

Journal: Bulletin of Environmental Contamination and Toxicology 58 (3): p 364-371 1997

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 08093, 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

Journal: Bulletin of Environmental Contamination and Toxicology 58 (1): p 142-149 1997

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

Journal: Bulletin of Environmental Contamination and Toxicology 57 (6): p 909-916 1996

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

Journal: Marine Pollution Bulletin 32 (6): p 499-503 1996

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

Journal: Journal of the Food Hygienic Society of Japan 36 (6): p 738-742 1995

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

Journal: Bulletin of Environmental Contamination and Toxicology 55 (6): p 840-844 1995

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

Journal: Journal of Environmental Biology 16 (3): p 219-223 1995

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

Journal: Bulletin of Environmental Contamination and Toxicology 55 (1): p 149-153 1995

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 855-862 1995

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

Journal: Archives of Environmental Contamination and Toxicology 28 (4): p 443-450 1995

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

Journal: Carcinogenesis (Oxford) 16 (2): p 237-244 1995

A method evaluating population risks from chemical exposure: A case study concerning prohibition of chlordane use in Japan.

Author: Gamo Masashi; Oka Toshihiro; Nakanishi Junko

Author Address: Dep. Urban Eng., Univ. Tokyo, Hongo 7-3-1, Bunkyo-ku, Tokyo 113, Japan

Journal: Regulatory Toxicology and Pharmacology 21 (1): p 151-157 1995

Human pollution by chlordane and life of subjects.

Author: Hirai Y(a); Tomokuni K

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

Journal: Bulletin of Environmental Contamination and Toxicology 54 (1): p 135-141 1995

Polychlorinated Biphenyls and Chlordane in the Gonads of Paddlefish, *Polyodon spathula*, from the Ohio River

Gundersen, D. T., University of Southern Indiana, Evansville; Kraehling, 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)
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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

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)

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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

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

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Hazard assessment of chemical contaminants i soil

ECETOC working group

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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

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 implications of the interaction between DDT and estrogen receptors in the body?

Author: Jaga K(a)

Author Address: (a)31 Southstone Avenue, Apartment 2, Elmsford, NY, 10523, USA

Journal: Medical Hypotheses 54 (1): p 18-25 Jan., 2000

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.

Author: Greenlee Anne R(a); Quail Cory A; Berg Richard L

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.

Author: Gil Odete(a); Vale Carlos(a)

Author Address: (a)Instituto de Investigacao das Pescas e do Mar, Avenida de Brasilia, 1400, Lisboa, Portugal

Journal: Aquatic Ecology 33 (3): p 263-269 Oct., 1999

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

Journal: Biotechnology Letters 21 (11): p 991-995 Nov., 1999

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

Journal: Journal of Health Science 45 (4): p 217-221 Aug., 1999

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

Journal: Marine Pollution Bulletin 38 (9): p 830-836 Sept., 1999

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

Journal: Bulletin of Environmental Contamination and Toxicology 63 (2): p 219-225 Aug., 1999

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

Journal: Bulletin of Environmental Contamination and Toxicology 63 (2): p 181-187 Aug., 1999

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

Journal: American Journal of Epidemiology 150 (5): p 453-458 Sept. 1, 1999

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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

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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

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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-Continent 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

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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

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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

Journal: Abstracts of Papers American Chemical Society 217 (1-2): p ENVR 42 1999

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

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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

Journal: Journal of Soil Contamination 8 (1): p 63-80 Jan., 1999

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

Journal: Water Air and Soil Pollution 110 (1-2): p 57-66 Feb., 1999

Photodechlorination mechanism 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

Journal: Environmental Science & Technology 33 (3): p 421-425 Feb. 1, 1999

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 Analitica Ambiental, Inst. Quimica, Univ. Federal Bahia, Campus Universitario Federa, Brazil**Journal:** Chemosphere 38 (6): p 1445-1452 March, 1999**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**Journal:** Canadian Field-Naturalist 112 (3): p 393-399 July-Sept., 1998**Zonogenesis and vitellogenesis are affected differently by DDT pesticides.****Author:** Celius Trine; Walthier Bernt T**Author Address:** Dep. Molecular Biol., Univ. Bergen, HIB, N-5020 Bergen, Norway**Journal:** Marine Environmental Research 46 (1-5): p 174 July-Dec., 1998**Conference/Meeting:** Ninth International Symposium on Pollutant Responses in Marine Organisms Bergen, Norway April 27-30, 1997**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**Journal:** Marine Environmental Research 46 (1-5): p 149-152 July-Dec., 1998**Conference/Meeting:** Ninth International Symposium on Pollutant Responses in Marine Organisms Bergen, Norway April 27-30, 1997**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**Journal:** Marine Environmental Research 46 (1-5): p 133-136 July-Dec., 1998**Conference/Meeting:** Ninth International Symposium on Pollutant Responses in Marine Organisms Bergen, Norway April 27-30, 1997**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**Journal:** Journal of Soil Contamination 7 (5): p 589-597 Sept., 1998**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**Journal:** Analytical Letters 31 (13): p 2289-2298 Oct., 1998

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 Ciénaga Grande de Santa Marta.**Author:** Espinosa Luisa F(a); Campos Nestor H; Ramirez Gustavo(a)**Author Address:** (a)INVEMAR, Apartado 1016, Santa Marta, Colombia**Journal:** *Caldasia* 20 (1): p 44-56 May, 1998**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**Journal:** *Journal of Agricultural and Food Chemistry* 46 (8): p 3339-3352 Aug., 1998**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**Journal:** *Water S A (Pretoria)* 24 (3): p 205-214 July, 1998**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**Journal:** *Biology of Reproduction* 58 (SUPPL. 1): p 92 1998**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. Umwelthyg., 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

Journal: Journal of Experimental Zoology 281 (4): p 346-353 July 1, 1998

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Author: Pardo V T(a); Waliszewski S M; Aguirre A A; Coronel H; Burelo G V; Infanzon-R R M; Rivera J

Author Address: (a)Inst. Forensic Med., Veracruz Univ., Avenida SS Juan Pablo II esq. Reyes Heróles s/n, P.O. Box 1, Mexico

Journal: Bulletin of Environmental Contamination and Toxicology 60 (6): p 852-857 June, 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

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

Journal: Bulletin of Environmental Contamination and Toxicology 60 (4): p 585-591 April, 1998

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

Journal: General and Comparative Endocrinology 109 (1): p 94-105 Jan., 1998

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.

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Torres, Luis G., Instituto Mexicano del Petroleo; Santacruz, German; Bandala, Erick R.

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Chen, Jian-fang, State Oceanographic Administration, Hangzhou, China; Ye, Xin-rong; Zhou, Huai-yang; Xia, Xiao-ming; Zheng, Shi-long

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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

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Morrison, Robert D.; Newell, A. E., R. Morrison & Associates, Escondido, CA
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van den Hoop, Marc A. G. T., National Institute of Public Health and the Environ, Bilthoven, Netherlands; Kreule, Petra; Loch, J. P. Gustav
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Evans, J., Simplot Company, Pocatello, ID; Kaake, R. H.; Orr, M.; Watwood, M.
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Naude, Y., Institute for Water Quality Studies, Pretoria, South Africa; de Beer, W. H. J.; Jooste, S.; van der Merwe, L.; van Rensburg, S. J.
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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.
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Tebourbi, O., Laboratory of Animal Physiology, Bizerta-Jarzouna, Tunisia; Rhouma, K. T.; Sakly, M.
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Sequestration of DDT and Dieldrin in Soil: Disappearance of Acute Toxicity but not the Compounds

Robertson, Boakai K., Cornell University, Ithaca, NY; Alexander, Martin
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Pardio, V. T., Veracruz University, Mexico; Waliszewski, S. M.; Aguirre, A. A.; Coronel, H.; Burelo, G. V.; Infanzon, R. M.; Rivera, J.
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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)
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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.
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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.
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Anonymous

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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)
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6 HEXACHLOROBENZENE

Hexachlorobenzene

Anonymous

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

Hexachlorobenzene

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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**Journal:** Environmental Health Perspectives 107 (SUPPL. 5): p 783-792 Oct., 1999**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**Journal:** Environmental Health Perspectives 106 (11): p 683-688 Nov., 1998**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**Journal:** Environmental Toxicology and Chemistry 16 (5): p 1042-1050 1997**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

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Deane, Geoffrey, University of California, Santa Barbara; Chroner, Zenitha ; Lick, Wilbert
J Environ Eng-ASCE v125, n8, p689(8)
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Jul 99

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Sala, Maria, Universitat Autònoma de Barcelona, Barcelona, Spain; Sunyer, Jordi; Otero, Raquel; Santiago-Silva, Mary; Ozalla, Dolors; Herrero, Carme; To-Figueras, Jordi
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Jan, J., University of Ljubljana, Slovenia; Vrecl, M.; Pogacnik, A.; Bavdek, S. V.
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Yuan, S. Y., National Institute of Environ Analysis, Taipei, Taiwan; Su, C. J.; Chang, B. V.
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Feb 99

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Risoul, Veronique, Universite de Haute-Alsace, Mulhouse, France; Pichon, Claire; Trouve, Gwenaelle; Peters, William A.; Gilot, Patrick; Prado, Gilles
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van Birgelen, Angelique P. J. M., NIEHS, Research Triangle Park, NC
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Nov 98

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Fuchsman, P. C., McLaren/Hart-ChemRisk, Cleveland, OH; Barber, T. R.; Sheehan, P. J.
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Jackson, W. Andrew; Pardue, John H., Louisiana State University, Baton Rouge
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Kim, In S., Kwangju Institute of Science and Technology, Korea; Ishii, Hirokazu; Sayles, Gregory D.; Kupferle, Margaret J.; Huang, Tiehong L.
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Meller, Michael, ECT Oekotoxikologie GmbH, Florsheim, Germany; Egeler, P.; Rombke, J.; Schallnass, H.; Nagel, R.; Streit, B.
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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)
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Kommalapati, Raghava R., (Louisiana State University, Baton Rouge); Roy, Dipak, (Polytechnic University, Brooklyn, NY)
J Environ Sci Health-Environ Sci Eng Toxic Hazard Subst Control vA32, n6, p1763(17)
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Moore, Dwayne R. J., Cadmus Group, Ottawa, ON, Canada; Breton, Roger L.; Lloyd, Karen
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May 97

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To-Figueras, Jordi, University of Barcelona, Spain; Sala, Maria; Otero, Raquel; Barrot, Carme;
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Transfer of Planar and Non-Planar Chlorobiphenyls, 4,4'-DDE and Hexachlorobenzene from Blood to Milk and to Suckling Infants

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Chemosphere v33, n11, p2341(6)
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Munoz, Maria J., CISA-INIA, Madrid, Spain; Ramos, Carmen; Tarazona, Jose V.
Aquat Toxicol v35, n3-4, p211(10)
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Boese, Bruce L., EPA, Newport, OR; Lee, Henry, II; Specht, David T.; Pelletier, Judith; Randall, Robert
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Kaupp, Heike, University of Bayreuth, Germany; Dorr, Gisela; Hippelein, Martin; McLachlan, Michael S.; Hutzinger, Otto
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Baturo, Wojciech; Lagadic, Laurent, URA CNRS, Orsay, France
Environ Toxicol Chem v15, n5, p771(11)
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Tye, Robert, University of California, Santa Barbara; Jepsen, Rich; Lick, Wilbert
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Jepsen, Rich, University of California, Santa Barbara; Borglin, Sharon; Lick, Wilbert;
Swackhamer, Deborah L.
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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)
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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;
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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 uroporphyrinemia 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
Journal: Toxicology and Applied Pharmacology 162 (1): p 60-67 Jan. 1, 2000

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

Journal: Pesticide Biochemistry and Physiology 65 (3): p 205-214 Nov., 1999

Distribution of PCB congeners, DDE, hexachlorobenzene, and methylsulfonyl metabolites of PCB and DDE among various fractions of human blood plasma.

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

Dechlorination of hexachlorobenzene on MWI fly ash.

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

Hexachlorobenzene, a dioxin-type compound, increases malic enzyme gene transcription through a mechanism involving the thyroid hormone response element.

Author: Loaiza-Perez Andrea I; Seisedos 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

Journal: Endocrinology 140 (9): p 4142-4151 Sept., 1999

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

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

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

Journal: Archives of Environmental Health 54 (4): p 248-253 July-Aug., 1999

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(a)

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

Journal: Journal of Endocrinological Investigation 22 (6): p 436-445 June, 1999

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

Journal: Journal of Hazardous Materials 64 (3): p 295-311 Feb. 15, 1999

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

Journal: Acta Physiologica Pharmacologica et Therapeutica Latinoamericana 48 (3): p 137-145 1998

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

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

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

Journal: Archives of Environmental Contamination and Toxicology 35 (4): p 573-579 Nov., 1998

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

Journal: Immunopharmacology and Immunotoxicology 20 (3): p 447-454 Aug., 1998

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

Journal: Reproductive Toxicology 12 (4): p 469-476 July-Aug., 1998

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

Journal: Environmental Toxicology and Chemistry 17 (8): p 1441-1446 Aug., 1998

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

Journal: Human & Experimental Toxicology 17 (3): p 172-175 March, 1998

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

Journal: Ecotoxicology and Environmental Safety 39 (1): p 10-20 Jan., 1998

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

p 133 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

ATSDR evaluation of health effects of chemicals: II. Mirex and chlordane: 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

Journal: Toxicology and Industrial Health 11 (6): p 1-203 1995

Document Type: Literature Review

Toxicological profile for Mirex and Chlordane

Anonymous

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WHO Working Group

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Machado-Neto, J. G., Sao Paulo State University, Brazil; Queiroz, M. E. C.; Carvalho, D.; Bassini, A. J.

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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, Efraim; Allan, Rod J., National Water Research Institute, Burlington, ON

Environ Int v21, n5, p557(13)

1995

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Velleux, Mark, SUNY, Buffalo, NY; Burns, Susan; DePinto, Joseph V.; Hassett, John P.

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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.
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Progr Fish-Culturist v55, n3, p163(6)
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Sergeant, David B., Canada Centre for Inland Waters, Burlington, ON; Munawar, Mohiuddin; Hodson, Peter V.; Bennie, Donald T.; Huestis, Susan Y.
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Scrudato, Ronald J.; McDowell, William H., SUNY, Oswego
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Halfon, Efraim, Canada Centre for Inland Waters
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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.
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Kutz, F.W., EPA, DC; Strassman, S.C.; Stroup, C.R.; Carra, J.S.; Leininger, C.C.; Watts, D.L.; Sparacino, C.M.
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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.
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Mirex Residues in Seven Groups of Aquatic and Terrestrial Mammals

Hill, Edward P., Auburn Univ; Dent, Donald M.
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Jan 85

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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
Journal: Environmental Research 80 (2 PART 2): p S138-S149 Feb., 1999

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
Journal: Antarctic Science 9 (4): p 414-417 Dec., 1997

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
Journal: Molecular Carcinogenesis 20 (1): p 115-124 1997

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
Journal: Environmental Science & Technology 31 (5): p 1365-1371 1997

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
Journal: Journal of Great Lakes Research 22 (4): p 810-817 1996

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**Journal:** Environmental Science & Technology 30 (10): p 2934-2941 1996**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**Journal:** Proceedings of the American Association for Cancer Research Annual Meeting 37 (0): p 157 1996**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**Journal:** Environment International 21 (5): p 557-569 1995**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**Journal:** Carcinogenesis (Oxford) 16 (9): p 2199-2204 1995**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**Journal:** Journal of Great Lakes Research 21 (1): p 95-111 1995

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

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

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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

Journal: Environmental Health Perspectives 101 (SUPPL. 5): p 265-269 1993

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

Journal: Progressive Fish-Culturist 55 (3): p 163-168 1993

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

Journal: Environmental Science & Technology 27 (10): p 2198-2206 1993

Mirex in the North American Great Lakes: New detections and their confirmation.

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

Journal: Journal of Great Lakes Research 19 (1): p 145-157 1993

Mirex: Photomirex relationships in Lake Ontario.

Author: Mudambi Anand R(a); Hassett John P; McDowell William H; Scudato Ronald J

Author Address: (a)US Army Corps Engineers, New England Division, Environmental Lab., Hubbardston, Mass. 01452

Journal: Journal of Great Lakes Research 18 (3): p 405-414 1992

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

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

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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

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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**Mass balance of toxaphene in Lakes Superior and Michigan: Importance of atmospheric deposition.****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

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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**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
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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

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

Author Address: (a)DLO-Netherlands Institute for Fisheries Research, 1970 AB, IJmuiden, Netherlands

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

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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

Journal: Trends in Analytical Chemistry 14 (2): p 56-66 1995

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., Chatby, Alex, Egypt

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

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Anonymous

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Anonymous

Source: ACGIH. Documentation of the threshold limit values and biological exposure indices; 6th ed; 1991; 247-9

Toxaphene

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Source: Canadian water quality guidelines; 1987**Ambient water quality criteria for toxaphene-1986**

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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, Wädenswil, 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

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

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

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

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

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

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

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

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

Journal: Marine Pollution Bulletin 38 (9): p 830-836 Sept., 1999

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

Journal: Environmental Science & Technology 33 (19): p 3458-3461 Oct. 1, 1999

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

Journal: Chemosphere 39 (14): p 2549-2562 Dec., 1999

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

Journal: Chemosphere 39 (14): p 2497-2506 Dec., 1999

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

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

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

Journal: Abstracts of Papers American Chemical Society 218 (1-2): p ENVR 90 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

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, Bloomington, USA

Journal: Journal of Great Lakes Research 25 (2): p 383-394 1999

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

Journal: Chemosphere 39 (3): p 519-526 Aug., 1999

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

Journal: Abstracts of Papers American Chemical Society 217 (1-2): p ENVR 86 1999

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

Journal: Journal of Soil Contamination 8 (1): p 63-80 Jan., 1999

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

Journal: Abstracts of Papers American Chemical Society 217 (1-2): p ENVR 15 1999

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

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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

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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

Journal: Comparative Biochemistry and Physiology C Pharmacology Toxicology & Endocrinology 121 (1-3): p 385-403 Nov., 1998

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

Journal: Chemosphere 37 (9-12): p 2545-2561 Oct.-Nov., 1998

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. Ernährung and Umwelt, Dornburger Str. 25, D-07743 Jena, Germany

Journal: Chemosphere 37 (9-12): p 2525-2543 Oct.-Nov., 1998

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

Chemosphere v39, n3, p519(8)

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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.

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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)
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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)
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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.
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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.;
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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)
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Anaerobic Degradation of Toxaphene in Soils: a Pilot Study

Camacho, JoAnn M., EPA, Edison, NJ; Joyner, William; Vemuri, Ramu; Holderness, Brian
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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
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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
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Mar-Apr 97

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

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Muir, D. C. G.; Westmore, J. B.

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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

Journal: Atmospheric Environment 32 (11): p 1849-1856 June, 1998

Levels of toxaphene indicator compounds in fish meal, fish oil and fish feed.

Author: Oetjen Katrin; Karl Horst

Author Address: Federal Res. Centre Fisheries, Inst. Biochem. Technol., Palmaille 9, D-22767 Hamburg, Germany

Journal: Chemosphere 37 (1): p 1-11 July, 1998

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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

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Author: Wolkers J(a); Burkow I C; Lydersen C; Dahle S; Monshouwer M; Witkamp R F

Author Address: (a)Akvaplan-niva, N-9005 Tromsø, Norway

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Author: Maruya Keith A(a); Lee Richard F

Author Address: (a)Skidaway Inst. Oceanography, 10 Ocean Science Circle, Savannah, GA 31411 , USA

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Author: Kimmel Lenka; Angerhoefer Daniela; Gill Udai; Coelhan Mehmet; Parlar Harun (a)

Author Address: (a)Dep. Chem. Technical Analysis, Technical Univ. Munich, 85350 Freising-Weiherstephan, Germany

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9 HEPTACHLOR

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Heptachlor

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Anonymous

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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)

Author Address: (a)Lab. Biol. Vegetale Appliquee, Univ. Louis Pasteur, 3 rue l'Argonne, F-67000 Strasbourg, France

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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)

Author Address: (a)Dep. Anim. Sci., Inst. Environ. Toxicol., Michigan State Univ., East Lansing, MI 48824, USA

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Chlordane/heptachlor neurotoxicity.

Author: Sherman J D

Author Address: Alexandria, VA, USA

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Author: Shivankar V J; Kavadia V S

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Journal: Indian J Comp Anim Physiol 7 (2). 1989. 130-133.

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Pereyra, M. A., Universidad Nacional de Mar del Plata-Instituto Nacional de Tecnologia Agropecuaria, Balcarce, Argentina; Mantecon, J. D.; Barassi, C. A.

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Nov-Dec 91

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J Environ Biol v12, n4, p341(5)

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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

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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

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Source: Canadian water quality guidelines; Appendix VII; 1991; 6-11

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EPA working group

Source: Environmental Protection Agency; EPA 440/5-80-068; 1980; 200 p

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

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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); Takahashi 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

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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**Author Address:** Inst. Physical Chemical Res., Res. Dev. Corp. Japan, Wako, Saitama 351-01, Japan

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**Environmental Health Criteria, 140. Polychlorinated biphenyls and terphenyls, Second edition.****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

p 127-216 1995

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

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

Journal: Report of the International Whaling Commission Special Issue (14): p 351-358 1993

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

Environmental Toxin Series Vol. 1. Polychlorinated Biphenyls Pcb's 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.

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.

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

Journal: FEMS Microbiology Ecology 32 (1): p 1-15 April, 2000

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, Fakultae 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 Bratislava, 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 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
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: 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**Journal:** Biotechnology Research Series (6): p 209-253 1996**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)Pharmacokinetics 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 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.

Environ Pollut v107, n1, p53(8)

2000

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

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)

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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)
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Wang, Hong, Centeon, Kankakee, IL; Kostel, Jill A.; St. Amand, Ann L.; Gray, Kimberly A.
Water Res v33, n18, p3749(13)
Dec 99

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Arena, S. M., University of Illinois, Urbana, IL; Halbrook, R. S.; Arenal, C. A.
Arch Environ Contam Toxicol v37, n4, p548(6)
Nov 99

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Cousins, Ian T., Lancaster University, UK; Gevao, Bondi; Jones, Kein C.
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Dec 99

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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
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Walka, Richard M.; Veith, Brian M., William F. Cosulich Associates, Woodbury, NY
Environ Regul Permit v9, n1, p35(7)
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Stack, Allison Schulze, Medical University of South Carolina, Charleston; Altman-Hamamdziec, 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

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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.

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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)

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The Fate and Persistence of Polychlorinated Biphenyls in Soil

Ayris, Stephen; Harrad, Stuart, University of Birmingham, UK

J Environ Monitor v1, n4, p395(7)

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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

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

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; Sloof 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; 63; 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 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

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**Journal:** Marine Pollution Bulletin 40 (1): p 65-76 Jan., 2000**Document Type:** LiteratureReview**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**Summary Language:** German; 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**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**Environmental toxicology of polychlorinated dibenzo-p-dioxins and polychlorinated dibenzofurans.****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**Journal:** Chemosphere 26 (6): p 1041-1069 1993**Document Type:** Literature Review**Study of the diurnal and nocturnal measurement of polychlorinated dibenzo-p-dioxins (CDDS) and polychlorinated dibenzofurans (CDFs) 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**Journal:** Abstracts of Papers American Chemical Society 219 (1-2): p ENVR 102 2000**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

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: 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

Journal: Chemosphere. 40 (9-11): p 963-968 May-June, 2000

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

Journal: Chemosphere 40 (6): p 627-640 March, 2000

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

Journal: Chemosphere 40 (6): p 601-608 March, 2000

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

Journal: Chemosphere 40 (6): p 593-600 March, 2000

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

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 1070-1084 Dec., 1999

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

Journal: Chemosphere 40 (2): p 159-164 Jan., 2000

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

Journal: Atmospheric Environment 34 (1): p 73-83 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

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

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

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

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

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

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

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

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 Dibenzofurans 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

Journal: Abstracts of Papers American Chemical Society 217 (1-2): p ENVR 150 1999

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); Schramm K-W; Kettrup A

Author Address: (a)Inst. Hydrobiology, Chinese Acad. Sci., Wuhan 430072, China

Journal: Abstracts of Papers American Chemical Society 217 (1-2): p ENVR 186 1999

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

Polychlorinated dibenzo-p-dioxins and furans and non-ortho- and mono-ortho-chlorine substituted polychlorinated biphenyls in grey seals (*Halichoerus grypus*) from Sable Island, Nova Scotia, in 1995.

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

Journal: Marine Environmental Research 47 (3): p 225-240 April, 1999

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

Author Address: (a)Environ. Res. Studies, Trent Univ., Peterborough, ON K9J 7B8, Canada

Journal: Environmental Science & Technology 33 (3): p 399-405 Feb. 1, 1999

PCDD/F concentrations in milk of nonoccupationally exposed women living in southern Catalonia, Spain.

Author: Schuhmacher M(a); Domingo J L; Llobet J M; Kiviranta H; Vartiainen T

Author Address: (a)Environ. Eng. Lab., "Rovira i Virgili" Univ., 43007 Tarragona, Spain

Journal: Chemosphere 38 (5): p 995-1004 Feb., 1999

Polychlorinated dibenzo-p-dioxins and dibenzofurans in the remote north Atlantic marine atmosphere.

Author: Baker John I; Hites Ronald A(a)

Author Address: (a)Sch. Public Environmental Affairs, Dep. Chem., Indiana Univ., Bloomington, IN 47405, USA

Journal: Environmental Science & Technology 33 (1): p 14-20 Jan. 1, 1998

Contribution of PAHs, PCBs, and PCDD/PCDFs to the total induction equivalents (SIGMAIEs) in mollusks.

Author: Gardinali Piero R(a); Wade Terry L

Author Address: (a)Dep. Chem. Southeast Environ. Res. Program, Florida Int. Univ., Univ. Park Campus, Miami, FL 331, USA

Journal: Marine Pollution Bulletin 37 (1-2): p 27-31 Jan.-Feb., 1998

Levels and trends of PCDD/Fs and PCBs in human milk in Finland.

Author: Kiviranta Hannu; Purkunen Raija; Vartiainen Terttu(a)

Author Address: (a)Div. Environ. Health, Natl. Public Health Inst., PO Box 95, FIN-70701 Kuopio, Finland

Journal: Chemosphere 38 (2): p 311-323 Jan., 1999

Polychlorinated dibenzo-P-dioxins and dibenzofurans in great barrier reef (Australia) dugongs (Dugong dugon).

Author: Haynes David(a); Muller Jochen F; McLachlan Michael S

Author Address: (a)Great Barrier Reef Marine Park Authority, PO Box 1379, Townsville 4810, Australia

Journal: Chemosphere 38 (2): p 255-262 Jan., 1999

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.

Author: Kaupp Heike; McLachlan Michael S(a)

Author Address: (a)Saxon State Authority Environ. Geol., Zur Wetterwarte 11, D-01109 Dresden, Germany

Journal: Atmospheric Environment 33 (1): p 85-95 Jan., 1999

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

Author Address: (a)Dep. Environ. Sci., Inst. Environ. Natural Sci., Lancaster Univ., Lancaster LA1 4YQ, UK

Journal: Chemosphere 38 (4): p 759-770 Feb., 1999

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

Author Address: (a)Inst. Ocean Sci., PO Box 6000, Sidney, BC V8L 4B2, Canada

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

Author Address: (a)80-952 Gdansk, ul. Sobieskiego 18, Poland

Journal: Bromatologia i Chemia Toksykologiczna 31 (1): p 75-78 1998

Language: Polish; Non-English

Summary Language: Polish; English

Contaminants in ospreys from the Pacific Northwest: I. Trends and patterns in polychlorinated dibenzo-p-dioxins and -dibenzofurans in eggs and plasma.**Author:** Elliott J E(a); Machmer M M; Henry C J; Wilson L K; Norstrom R J**Author Address:** (a)Canadian Wildlife Service, Pacific Wildlife Research Centre, 5421 Robertson Rd., RR1 Delta, Brit, Canada**Journal:** Archives of Environmental Contamination and Toxicology 35 (4): p 620-631 Nov., 1998**PCDD/PCDF on land around an industrial site and identification of source.****Author:** Sandalls John(a); Berryman Bob; Bennett Louise**Author Address:** (a)Tamara House, Locks Lane, Wantage, Oxfordshire OX12 9DB, UK**Journal:** Chemosphere 37 (9-12): p 2225-2237 Oct.-Nov., 1998**Dioxin (PCDD/F) in the river Elbe: Investigations of their origin by multivariate statistical methods.****Author:** Goetz Rainer(a); Steiner Bernd; Friesel Peter; Roch Klaus; Walkow Fred; Maass Vera; Reincke Heinrich; Stachel Burkhard**Author Address:** (a)Umweltbehoerde, Umweltuntersuchungen, Marckmannstr. 129 b, D-20539 Hamburg, Germany**Journal:** Chemosphere 37 (9-12): p 1987-2002 Oct.-Nov., 1998**Update of PCDD/PCDF-intake from food in Germany.****Author:** Malisch Rainer(a)**Author Address:** (a)Chemische Landesuntersuchungsanstalt Freiburg, Bissierstr. 5, D-79114 Freiburg, Germany**Journal:** Chemosphere 37 (9-12): p 1687-1698 Oct.-Nov., 1998**PCB and PCDD/DF concentrations in egg and poultry meat samples from known urban and rural locations in Wales and England.****Author:** Lovett A A(a); Foxall C D; Creaser C S; Chewe D**Author Address:** (a)Sch. Environmental Sci., Univ. East Anglia, Norwich NR4 7TJ, UK**Journal:** Chemosphere 37 (9-12): p 1671-1685 Oct.-Nov., 1998**PCDD, PCDF, and PCB in farm-raised catfish from southeast United States- Concentrations, sources, and CYP1A induction.****Author:** Fiedler H(a); Cooper K; Bergek S; Hjelt M; Rappe C; Bonner M; Howell F; Willett K; Safe S**Author Address:** (a)Bavarian Inst. Waste Res., BlfA GmbH, Am Mittleren Moos 46, D-86167 Augsburg, Germany**Journal:** Chemosphere 37 (9-12): p 1645-1656 Oct.-Nov., 1998**PCDD/F, PCB and PAH content of Brazilian compost.****Author:** Grossi Gricia; Lichtig Jaim; Krauss Peter(a)**Author Address:** (a)Inst. Organische Chemie, Univ. Tuebingen, D-72076 Tuebingen, Germany**Journal:** Chemosphere 37 (9-12): p 2153-2160 Oct.-Nov., 1998

Ambient air PCDD/PCDF concentrations in Montgomery County, Ohio.**Author:** Roth Andrew J(a); Riggs Karen B**Author Address:** (a)RAPCA, 451 W. Third St., Dayton, OH 45422, USA**Journal:** Environmental Engineering Science 15 (2): p 181-189 1998**Polychlorinated dibenzo-P-dioxins and polychlorinated dibenzofurans in shellfishes from south coast of Korea.****Author:** Hashimoto Shunji(a); Hyeon-Seo Cho; Morita Masatoshi(a)**Author Address:** (a)Natl. Inst. Environ. Studies, Onogawa 16-2, Tsukuba 305, Japan**Journal:** Chemosphere 37 (5): p 951-959 Aug., 1998**Intake and excretion of polychlorinated dibenzo-p-dioxins and dibenzofurans (PCDD/F) in children.****Author:** Schrey Petra; Wittsiepe Juergen; Selenka Fidelis; Wilhelm Michael**Author Address:** Inst. Hyg., Sozial Umweltmedizin, Ruhr-Univ. Bochum, Bochum, Germany**Journal:** Zentralblatt fuer Hygiene und Umweltmedizin 201 (1): p 62-63 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**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)**Author Address:** (a)Ruhr-Univ. Bochum, Inst. Hyg., Sozial- und Umweltmed., Bochum, Germany**Journal:** Zentralblatt fuer Hygiene und Umweltmedizin 201 (1): p 11-12 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**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)**Author Address:** (a)Environ. Sci. Dep., Inst. Environ. Nat. Sci., Lancaster Univ., Lancaster LA1 4YQ, UK**Journal:** Environmental Science & Technology 32 (11): p 1580-1587 June 1, 1998**PCDD/PCDF: Human background data for Germany, a 10-year experience.****Author:** Paepke Olaf(a)**Author Address:** (a)ERGO Forschungsgesellschaft mbH, Geierstr. 1, D-22305 Hamburg, Germany**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

Author Address: (a)Hamburg State Dep. Labor Health Social Affairs, Health Office, Div. Health Environ., Tesdorpfstr, Germany

Journal: Environmental Health Perspectives 106 (SUPPL. 2): p 707-714 April, 1998

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.

Author: Flesch-Janys Dieter(a); Steindorf Karen; Gurn Petra; Becher Heiko

Author Address: (a)Hamburg State Dep. Work Health Social Affairs, Health Office, Div. Health Environ., Tesdorpfstr., Germany

Journal: Environmental Health Perspectives 106 (SUPPL. 2): p 655-662 April, 1998

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.

Author: Kontsas Helena(a); Rosenberg Christina; Tornaeus Jarkko; Mutanen Pertti; Jappinen Paavo

Author Address: (a)Inst. Occup. Health, Dep. Industrial Hygiene Toxicol., Topeliuksenkatu 41 aA, FIN-00250 Helsinki, Finland

Journal: Archives of Environmental Health 53 (2): p 99-108 March-April, 1998

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

Author: Pearson Roger F; Swackhamer Deborah L(a); Eisenreich Steven J; Long David T

Author Address: (a)Environ. Occupational Health, Sch. Public Health, Box 807, Mayo Bldg., Univ. Minn., Minneapolis., USA

Journal: Journal of Great Lakes Research 24 (1): p 65-82 1998

ISSN: 0380-1330

Document Type: Article

Record Type: Abstract

Language: English

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 Dibenzo-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 ((gr)SIEs) 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

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

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

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Anonymous

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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**Journal:** Toxicology In Vitro 11 (5): p 499-503 Oct., 1997**Document Type:** Literature Review**Ecotoxicology of organotin compounds.****Author:** Fent Karl**Author Address:** Swiss Fed. Inst. Environ. Sci. Technol., Ueberlandstr. 133, CH-8600 Duebendorf, Switzerland**Journal:** Critical Reviews in Toxicology 26 (1): p 1-117 1996**Document Type:** Literature Review**Organotin in the Tagus estuary.****Author:** De Bettencourt AMM(a); Andrae M O; Cais Y; Gomes M L; Schebek L; Vilas Boas L F; Rapsomanikis S**Author Address:** (a)IMAR - Institute of Marine Research, and Departamento de Ecologia, Colegio Luis A. Verney, Universidade de Evora, Rua Romao Ramalho, 59, 7000, Evora, Portugal**Journal:** Aquatic Ecology 33 (3): p 271-280 Oct., 1999

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

Contamination of French coastal waters by organotin compounds: 1997 update.

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

Mussels as sentinels of organotin pollution: Bioaccumulation and effects on P450-mediated aromatase activity.

Author: Morcillo Yolanda; Albalat Amaya; Porte Cinta(a)

Author Address: (a)Environmental Chemistry Department, CID-CSIC, Jordi Girona 18-26, 08034, Barcelona, Spain

Journal: Environmental Toxicology and Chemistry 18 (6): p 1203-1208 June, 1999

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, Tojo-cho 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

Journal: Bulletin of Environmental Contamination and Toxicology 62 (2): p 207-213 Feb., 1999

Organotin compounds in surface and pore waters of Ganga Plain in the Kanpur-Unnao industrial region, India.

Author: Ansari A A(a); Singh I B; Tobschall H J

Author Address: (a)Univ. Erlangen-Nuremberg, Inst. Geol. Minerol., Chair App. Geol., Schlossgarten 5, D-91054 Erlan, Germany

Journal: Science of the Total Environment 223 (2-3): p 157-166 Nov. 10, 1998

Quantification of organotin compounds and determination of imposex in populations of dogwhelks (*Nucella lapillus*) from Norway.

Author: Folsvik Norunn(a); Berge John Arthur; Brevik Einar M; Walday Mats

Author Address: (a)Norwegian Inst. Water Res., P.O. Box 173 Kjelsas, N-0411 Oslo, Norway

Journal: Chemosphere 38 (3): p 681-691 Feb., 1999

Immunotoxic effects of organotin compounds in *Tapes philippinarum*.

Author: Cima F(a); Marin M G; Matozzo V; Da Ros L; Ballarin L

Author Address: (a)Dep. Biol., Univ. Padova, Via G. Colombo 3, 35121 Padova, Italy

Journal: Chemosphere 37 (14-15): p 3035-3045 Dec., 1998

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

Author Address: (a)Natl. Inst. Environ. Studies, Tsukuba, Ibaraki 305, Japan

Journal: Marine Environmental Research 46 (1-5): p 469-473 July-Dec., 1998

Conference/Meeting: Ninth International Symposium on Pollutant Responses in Marine Organisms Bergen, Norway April 27-30, 1997

Organotin compounds in water, sediment, and biological samples from the Port of Osaka, Japan.

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

Characterization organotin-resistant bacteria from Boston Harbor sediments.

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, Universita di Padova, Via Trieste 75, 35121 Padova, Italy

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

Alterations in the organization of the actin cytoskeleton induced by organotin.

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

Sponsor: German Society for Cell Biology

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); Bettiol Cinzia; Ghirardini Annamaria Volpi; Fasolo Matteo; Giurin Gianumberto; Ghetti Pier Francesco

Author Address: (a)Dep. Sci. Ambientali, Cent. Studios sulla Chimica Tecnologie per l' Ambiente, CNR Univ. Venezia, , Italy

Journal: Environmental Toxicology and Chemistry 17 (6): p 1005-1012 June, 1998

Organotin compounds in solid waste: A review of their properties and determination using high-performance liquid chromatography.

Author: Ebdon Les(a); Hill Steve J; Rivas Cristina

Author Address: (a)Anal. Chem. Res. Unit, Dep. Environ. Sci., Univ. Plymouth, Plymouth PL4 8AA, UK

Journal: Trends in Analytical Chemistry 17 (5): p 277-288 May, 1998

Bioavailability and bioconcentration of organotin compounds in aquatic organisms.

Author: Fent Karl; Looser Peter W

Author Address: Swiss Federal Inst. Environ. Sci. Technol, Ueberlandstrasse 133, CH-8600 Duebendorf, Switzerland

Journal: Abstracts of Papers American Chemical Society 215 (1-2): p ENVR 69 1998

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.

Author: Brevik E M; Folsvik N; Berge J A; Walday M

Author Address: Norw. Inst. Water Res., P.O. Box 173 Kjelsas, N-0411 Oslo, Norway

Journal: Abstracts of Papers American Chemical Society 215 (1-2): p ENVR 62 1998

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.

Author: Morcillo Yolanda; Porte Cinta(a)

Author Address: (a)Dep. Environ. Chem., CID, CSIC, Jordi Girona 18-26, 08034 Barcelona, Spain

Journal: Trends in Analytical Chemistry 17 (2): p 109-116 Feb., 1998

Response of fish immune cells to in vitro organotin exposures.

Author: O'Halloran K; Ahokas J T; Wright P F A(a)

Author Address: (a)Key Cent. Appl. Nutr. Toxicol. RMIT Univ., GPO Box 2476V, Melbourne, VIC , Australia

Journal: Aquatic Toxicology (Amsterdam) 40 (2-3): p 141-156 Jan., 1998

Effects of tin(IV) chloride and of organotin compounds on aquatic micro-organisms.

Author: Nudelman Maria Alejandra; Carro Cecilia; Nudelman N Sbarbati(a)

Author Address: (a)Dep. Organic Chemistry, Fac. Ciencias Exactas Naturales, Univ. Buenos Aires, Ciudad Univ., 1428 , Argentina

Journal: Applied Organometallic Chemistry 12 (1): p 67-75 Jan., 1998

Organotin-induced apoptosis as observed in vitro is not relevant for induction of thymus atrophy at antiproliferative doses.

Author: Gennari Alessandra; Potters Marc; Seinen Willem; Pieters Raymond(a)

Author Address: (a)Res. Inst. Toxicol., Immunotoxicol. Section, Utrecht Univ., PO Box 80.176, Utrecht, Netherlands

Journal: Toxicology and Applied Pharmacology 147 (2): p 259-266 Dec., 1997

Assessment of organotin in waters of selected Gulf of Maine Estuaries.

Author: Larsen Peter Foster(a); Huggett Robert J; Unger Michael A

Author Address: (a)Kennebec Area Res. Endowment, Bigelow Lab. Ocean Sciences, West Boothbay Harbor, ME 04575, USA

Journal: Marine Pollution Bulletin 34 (10): p 802-804 Oct., 1997

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

Author Address: (a)Neth. Inst. Sea Res., P.O. Box 59, 1790 AB Den Burg, Netherlands

Journal: Environmental Technology 18 (12): p 1235-1244 Dec., 1997

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)Universita Degli Studi di Parma, Dipt. di Chimica Generale ed Inorganica, Chimica Analitica, Chi, Italy

Journal: Journal of Inorganic Biochemistry 68 (4): p 295-305 Dec., 1997

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

Author Address: (a)Dep. Remediation Res., Cent. Environmental Res., Leipzig-Halle, Permoserstrasse 15, 04318 Leipzig, 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: Argyll Bute Hosp., Lochgilphead, Argyll PA31 8LD, UK

Journal: Human & Experimental Toxicology 16 (9): p 512-515 Sept., 1997

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Author: Ide I; Witten E P; Fischer J; Kalbfus W; Zellner A; Stroben E; Watermann B (a)

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Author: Fargasova A

Author Address: Fac. Chem. Technol., Dep. Environmental Sciences, Slovak Technical Univ., Radlinskeho 9, SK-812 37 B, Slovakia

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Author Address: (a)Natl. Res. Inst. Fisheries Sci., 31-1, 6 chome Nagai, Yokosuka 238-03, Japan

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Author: Kuczera Janina(a); Gabrielska Janina; Kral Teresa E; Przystalski Stanislaw

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Author Address: (a)Food Res. Div., Bureau Chemical Safety 2203D, Food Directorate, Health Protection Branch, Health, Canada

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Author: St-Jean S D(a); Courtenay S C(a); Pelletier E

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Author Address: (a)Fishers Res. Centre, Dep. Marine, Abbotstown, Dublin 15, Ireland

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Author Address: National Lab. Animal Breeding, Res. Cent., National Science Council, Taipei, Taiwan
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Author: Fargasova Agata(a); Kizlink Juraj

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Author Address: Swiss Federal Inst. Environmental Technol., Ueberlandstrasse 133, CH-8600 Duebendorf, Switzerland

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Author Address: (a)Fisheries Res. Cent., Dep. Marine, Abbotstown, Dublin 15, Ireland

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

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Author: Hamasaki Tetsuo(a); Sato Takahiko; Nagase Hisamitsu; Kito Hideaki

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Author Address: (a)Inst. Environmental Studies, Free Univ., De Boelalaan 1115, 1081 HV Amsterdam, Netherlands

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Author Address: (a)Res. Inst. Toxicol., Immunotoxicol. Sect., Univ. Utrecht, Utrecht, Netherlands

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Author Address: Environ. Dep., ENEA C.R.E. Casaccia, Via Anguillarese 301, 00060 Rome, Italy

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Author Address: (a)Free Univ. Brussels VUB, Fac. Applied Sci., Room 8G512, Pleinlaan 2, B-1050 Brussels, Belgium

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Author: Gomez-Ariza J L(a); Beltran R; Morales E; Giraldez I; Ruiz-Benitez M

Author Address: (a)Dep. Quim. Ciencia Materiales, Escuela Politecnica Superior, Univ. Huelva, La Pabida, Palas de F, Spain

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Author: Inaba Kazuho(a); Shiraishi Hiroaki; Soma Yuko

Author Address: (a)Regional Environ. Div., Natl. Inst. Environ. Stud., 16-2 Onogawa, Tsukuba, Ibaraki 305, Japan

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Author: Abd-Allah Aly M A

Author Address: Marine Environmental Dep., National Inst. Oceanography Fisheries, Kayet Bey, Alexandria, Egypt

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Endocrine Disrupters in Municipal Sewage Sludge-The Example of Organotin Compounds

Kuballa, Jurgen, GALAB Umweltlaboratorium, Geesthacht, Germany; Jantzen, Eckard; Steffen, Dieter

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EMAIL: argese@unive.it

Corporate Source: Universita di Venezia, Dipartimento di Scienze Ambientali, Venezia, Italy

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A.C. Belfroid, Institute for Environmental Studies, Vrije Universiteit, De Boelelaan 1115, 1081 HV Amsterdam Netherlands

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SARAPUK J; KLESZCZYNSKA H; PRZESTALSKI S

Department of Physics and Biophysics, Agricultural University, Norwida 25 50-375 Wroclaw, Poland

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Author Address: Dep. Environ. Health, Univ. Washington, 4225 Roosevelt No. 100, Seattle, WA 98105, USA

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Author Address: (a)Dep. Biol., Med. Sch., University Zagreb, Salata 3, 41000 Zagreb, Croatia

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Author: Ratcliffe, H. E. ; Swanson, G. M. ; Fischer, L. J.

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Author: Bjerregaard Peter(a); Hansen Jens C

Author Address: (a)Section for Research in Greenland, National Institute of Public Health, Svanemollevvej 25, 2100, Copenhagen O, Denmark

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Author Address: (a)UPMC Health System, 200 Lothrop Street, PUH-C618, Pittsburgh, PA, 15213-2582 , USA

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Author: Schionning Jorgen Drasbaek(a); Danscher Gorm

Author Address: (a)Department of Neurobiology, Institute of Anatomy, University of Aarhus, DK-8000, Aarhus C, Denmark

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Author: Bjerregaard Poul(a); Andersen Beth W; Rankin J Cliff

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Author: Dansereau M; Lariviere N; Du Tremblay D; Belanger D

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Author: Mergler D(a); Belanger S; Larribe F; Panisset M; Bowler R; Baldwin M; Lebel J; Hudnell K

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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

Journal: Journal of Bacteriology 182 (8): p 2059-2067 April, 2000

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, Fakultae 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

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

Journal: Acta Biochimica Polonica 46 (2): p 263-274 1999

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 Toxicological Research, Jefferson, AR, 72079, USA

Journal: Journal of Environmental Science and Health Part C Environmental Carcinogenesis & Ecotoxicology Reviews 17 (1): p 1-43 May, 1999

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

Journal: Journal of Toxicology Cutaneous and Ocular Toxicology 18 (2): p 101-135 May, 1999

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**Journal:** Biotechnology Research Series (7): p 27-45 1998**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**Journal:** Journal of Industrial Microbiology & Biotechnology 19 (5-6): p 324-333 Nov.-Dec., 1997**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**Journal:** Biotechnology Research Series (6): p 125-194 1996**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**Journal:** Cancer Causes & Control 8 (3): p 444-472 1997**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**Journal:** Current Opinion in Biotechnology 8 (3): p 268-273 1997**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**Journal:** Toxicology and Industrial Health 12 (6): p 742-984 1996**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**Journal:** Journal of Industrial Microbiology & Biotechnology 18 (2-3): p 152-160 1997**Document Type:** Literature Review

Polycyclic aromatic hydrocarbon metabolites in urine as biomarkers of exposure and effect.

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

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 molluscs.

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

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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

Journal: Ecotoxicology and Environmental Safety 33 (1): p 1-24 1996

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

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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**Journal:** Arhiv za Higijenu Rada i Toksikologiju 46 (2): p 243-258 1995**Document Type:** Literature Review**Language:** Serbian; Non-English**Summary Language:** Serbian; English**Responses of fish to polycyclic aromatic hydrocarbons (PAHs).****Author:** Tuvikene Arvo**Author Address:** Limnol. Stn., Inst. Zool. Botany, Estonian Acad. Sci. EE-2400 Tartu, Estonia**Journal:** Annales Zoologici Fennici 32 (3): p 295-309 1995**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**Journal:** Journal of Scientific and Industrial Research (India) 54 (8): p 443-451 1995**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**Journal:** Xenobiotica 25 (7): p 677-688 1995**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 Ca²⁺-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**Author Address:** Div. Microbiol., Natl. Cent. for Toxicol. Res., Food and Drug Adm., Jefferson, AR 72079, USA
p 92-124 1994**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, Topeliuksenkatu 41 aA, Helsinki, Finland**Journal:** Journal of Occupational and Environmental Medicine 37 (1): p 52-58 1995**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**Journal:** Marine Pollution Bulletin 29 (4-5): p 235-241 1994**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**Author Address:** Unit Anal. Toxicol., Cent. Nutr. Toxicol., Karolinska Inst., NOVUM, S-141 57 Huddinge, Sweden**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**Journal:** Journal of Environmental Science and Health Part C Environmental Carcinogenesis & Ecotoxicology Reviews 12 (2): p 443-452 1994**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**Author Address:** Inst. Wasserchem. Chem. Balneol. Lehrstuhl Hydrogeol., Hydrochem.
Umweltanalytic Tech. Univ. Muenche, Germany**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**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**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**Journal:** Bioresource Technology 48 (2): p 97-106 1994**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); Goksoyr 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**Author Address:** Microbiol. Div., Natl. Cent. Toxicol. Res., Jefferson, AR 70279, USA**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.**Journal:** Jacob, J. Cambridge Monographs On Cancer Research: Sulfur Analogues Of Polycyclic Aromatic Hydrocarbons (Thiaarenes): Environmental Occurrence, Chemical And Biological Properties. Xiv+281p. Cambridge University Press: Port Chester, New York, Usa; Cambridge, England, UK. ILLUS. ISBN 0-521-30120-3. 0 (0). 1990. XIV+281P.**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.**Journal:** WHO. WHO (World Health Organization) Environmental Health, 32. Heavy Metal And Pah Compounds From Municipal Solid Waste Incinerators: Control Technology And Health Effects. VIII+67p. WHO: Copenhagen, Denmark. Paper. 0 (0). 1988. VIII+67p.**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. 1 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

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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

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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)
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Pickard, Michael A., Universidad Nacional Autonoma de Mexico, Cuernavaca, Morelos;
Roman, Rosa; Tinoco, Raunel; Vazquez-Duhalt, Rafael
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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
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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)
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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)
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Microscale Characterization of PAH Sequestration on Sediments

Ghosh, Upal, Carnegie Mellon University, Pittsburgh, PA; Luthy, Richard G.; Gillette, J. Seb; Zare, Richard N.; Talley, Jeffery W.
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Impact of Adsorption and Desorption on Bioremediation of PAH Contaminated Estuarine Sediments

Antia, J. E., University of Cincinnati, OH; Tabak, H. H.; Suidan, M. T.
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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)
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Harmsen, Joop, SC-DLO, Wageningen, Netherlands; van den Toorn, Antonie; Heersche, Jan; Riedstra, Durk; van der Kooij, Aldert

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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.
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Shore, Richard F., Institute of Terrestrial Ecology, Huntingdon, Cambridgeshire, UK; Wright, Julian; Horne, Janice A.; Sparks, Timothy H.
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Mitra, Siddhartha, (Tulane University, New Orleans, LA); Dickhut, Rebecca M., (Virginia Institute of Marine Sciences, Gloucester Point)
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Jun 99

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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.
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Swartz, Richard C., EPA, Newport, OR
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Upham, Brad L., Michigan State University, East Lansing; Weis, Liliane M.; Trosko, James E.

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Jan-Feb 99

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MacRae, Jean D.; Hall, Kenneth J., University of British Columbia, Vancouver, Canada

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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)

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Beyer, Jonny, Rogaland Research, Stavanger, Norway; Aas, Endre; Borgenvik, Hild Karin; Ravn, Per
Mar Environ Res v46, n1-5, p233(4)
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Aas, Endre, (Rogaland Research, Stavanger, Norway); Klungsoyr, Jarle, (Institute of Marine Research, Bergen, Norway)
Mar Environ Res v46, n1-5, p229(4)
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Mar Environ Res v46, n1-5, p225(4)
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Mar Environ Res v45, n4-5, p387(15)
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Tabak, Henry H., EPA, Cincinnati, OH; Govind, Rakesh; Parvatiyar, M.; Song, Qi; Guo, J.
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Fromme, H., Institute of Environ Analysis and Human Toxicology, Berlin, Germany; Oddoy, A.; Piloty, M.; Krause, M.; Lahrz, T.
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Ericson, G., Stockholm University, Nykoping, Sweden; Lindesjoo, E.; Balk, L.
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Wei, Yu-Ling, Tunghai University, Taichung, Taiwan
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Wasserkort, Reinhold, Swiss Federal Institute of Technology, Zurich, Switzerland; Hartmann, Andreas; Widmer, Rosa Maria; Burtscher, Heinz
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Malizewska-Kordybach, Barbara, Institute of Soil Science and Plant Cultivation (IUNG), Pulawy, Poland; Smreczak, Bozena
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Rulkens, W. H., Wageningen Agricultural University, Netherlands; Bruning, H.; van Hasselt, H. J.; Rienks, J.; van Veen, H. J.; Terlingen, J. P. M.
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Weston, Donald P., (University of California, Berkeley); Mayer, Lawrence M., (University of Maine, Walpole)
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Yang, Hsi-Hsien, National Cheng Kung University, Tainan, Taiwan; Lee, Wen-Jhy; Mi, Hsiao-Hsuan; Wong, Chih-Ho; Chen, Chung-Bang
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Anonymous

Source: Agency for Toxic Substances and Disease Registry U.S. Public Health Service; 1995; 243 p

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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

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IARC Working Group

Source: IARC monographs on the Evaluation of the Carcinogenic risk of chemicals to humans; 18; 1978; 1-140

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Book Title: Environmental Health Criteria; Polybrominated dibenzo-p-dioxins and dibenzofurans

Author: WHO(a)

Book Author/Editor: WHO

Author Address: (a)Geneva, Switzerland

Journal: Environmental Health Criteria 205 p xxi+303p 1998

Book Publisher: WHO, Geneva, Switzerland

Environmental Health Criteria, 152. Polybrominated biphenyls.

Title: Environmental Health Criteria; Polybrominated biphenyls

Author: WHO

Book Author/Editor: WHO

Journal: Environmental Health Criteria 152 p 577p 1994

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.

Journal: Dean, J. H. Et Al. (Ed.). Target Organ Toxicology Series: Immunotoxicology And Immunopharmacology. Xv+511p. Raven Press Book, Inc.: New York, N.Y., USA. ILLUS. ISBN 0-89004-838-X. 0 (0). 1985. 393-406.

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Author: Mennear John H; Lee Cheng-Chun(a)

Author Address: (a)US Environmental Review Division, 401 M St. SW, Washington, DC 20460, USA

Journal: Environmental Health Perspectives 102 (SUPPL. 1): p 265-274 1994

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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

Journal: Critical Reviews in Environmental Science and Technology 23 (1): p 1-39 1993

Document Type: Literature Review

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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.

Journal: Nieburgs, H. E. And J. G. Bekesi (Ed.). Immunobiology Of Cancer And Aids: Etiology, Diagnosis, And Management; First International Symposium On Immunobiology Of Cancer And Allied Immune Dysfunctions, Copenhagen, Denmark, 1985. Xxi+647p. Alan R. Liss, Inc.: New York, New York, USA. ILLUS. ISBN 0-8451-4236-4. 0 (0). 1987. 29-38.

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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.

Journal: Meeting On Chlorinated Dioxins And Related Compounds Held At The Sixth International Symposium, Fukuoka, Japan, September 16-19, 1986. Chemosphere 16 (8-9). 1987. 1877-1880.

Document Type: Review

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.

Journal: Arch Toxicol 60 (1-3). 1987. 229-237.

Document Type: Review

Human Health Effects Of Polychlorinated Biphenyls Pcb's And Polybrominated Biphenyls Pbb's

Author: Kimbrough R D

Author Address: Cent. Environ. Health, Cent. Disease Control, Public Health Serv., U.S. Dep. Health Human Serv., Atlanta, Georgia 30333.

Journal: George, R. And R. Okun (Ed.). Annual Review Of Pharmacology And Toxicology, Vol. 27. ix+460p. Annual Reviews, Inc.: Palo Alto, California, USA. Illus. Isbn 0-8243-0427-6. 0 (0). 1987. 87-112.

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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.

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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)

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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 v

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

Journal: Chemosphere 39 (13): p 2271-2278 Dec., 1999

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

Journal: Environmental Health Perspectives 107 (8): p 643-648 Aug., 1999

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

Journal: Environmental Toxicology and Chemistry 18 (6): p 1218-1224 June, 1999

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

Journal: Abstracts of Papers American Chemical Society 217 (1-2): p ENVR 252 1999

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)

Author Address: (a)Inst. Applied Environmental Res., Lab. Aquatic Ecotoxicology, Stockholm Univ., S-61182 Nykoping, Sweden

Journal: Marine Environmental Research 46 (1-5): p 107-112 July-Dec., 1998

Conference/Meeting: Ninth International Symposium on Pollutant Responses in Marine Organisms Bergen, Norway April 27-30, 1997

Polybrominated diphenyl ethers and hexabromocyclododecane in sediment and fish from a Swedish River.

Author: Sellstrom Ulla(a); Kierkkegaard Amelie; De Wit Cynthia; Jansson Bo

Author Address: (a)Inst. Applied Environ. Res., Lab. Analytical Environ. Chem., Stockholm, Sweden

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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**Journal:** Environmental Toxicology and Chemistry 16 (12): p 2508-2513 Dec., 1997**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**Journal:** Environmental Science & Technology 31 (11): p 3281-3287 Nov., 1997**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**Journal:** American Journal of Epidemiology 145 (11 SUPPL.): p S4 1997**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**Journal:** Toxicology and Applied Pharmacology 140 (2): p 345-355 1996**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**Journal:** Toxicology and Applied Pharmacology 140 (2): p 227-234 1996**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**Journal:** Environmental Science & Technology 29 (7): p 1832-1838 1995

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16 HEXACHLOROCYCLOHEXANES

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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

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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

Journal: Journal of Industrial Microbiology & Biotechnology 23 (4-5): p 380-390 Oct.-Nov., 1999

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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

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EPA working group

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Author: Li Y F(a)

Author Address: (a)Modelling and Integration Research Division, Air Quality Research Branch, Atmospheric Environment Service, Environment Canada, 4905 Dufferin Street, Downsview, ON, M3H 5T4, Canada

Journal: Science of the Total Environment 232 (3): p 121-158 Aug. 1, 1999

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Author: Meharg Andrew A(a); Wright Julian; Leeks Graham J L; Wass Paul D; Osborn Daniel

Author Address: (a)Institute of Terrestrial Ecology, Monks Wood, Abbots Ripton, Huntingdon, Cambridgeshire, PE17 2L, UK

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Author: Wania Frank(a); Mackay Donald; Li Yi-Fan; Bidleman Terry F; Strand Asbjorn

Author Address: (a)WECC Wania Environmental Chemists Corporation, 280 Simcoe Street, Suite 404, Toronto, ON, M5T 2Y, Canada

Journal: Environmental Toxicology and Chemistry 18 (7): p 1390-1399 July, 1999

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Author Address: (a)WECC Wania Environmental Chemists Corporation, 280 Simcoe Street, Suite 404, Toronto, ON, M5T 2Y, Canada

Journal: Environmental Toxicology and Chemistry 18 (7): p 1400-1407 July, 1999

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Author: Kalbitz K(a); Popp P

Author Address: (a)Department of Soil Ecology, University of Bayreuth, BITOEK, Dr. Hans-Frisch Str. 1-3, D-95440, B, Germany

Journal: Environmental Pollution 106 (1): p 139-141 1999

Long term measurements of wet deposition and precipitation scavenging of hexachlorocyclohexanes in Southern Norway.

Author: Wania F(a); Haugen J-E

Author Address: (a)WECC (Wania Environmental Chemists Corporation), 280 Simcoe Street, Suite 404, Toronto, Ontario., Canada

Journal: Environmental Pollution 105 (3): p 381-386 1999

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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

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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

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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

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Author Address: (a)Atmospheric Environment Service, 4905 Dufferin Street, Downsview, Ontario M3H 5T4, Canada

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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

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Author Address: (a)Dep. Environmental Veterinary Sci., Graduate Sch. Veterinary Med., Hokkaido Univ., N18 W9 North, Japan

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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**Journal:** Bulletin of Environmental Contamination and Toxicology 60 (6): p 858-863 June, 1998**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**Journal:** Teratogenesis Carcinogenesis and Mutagenesis 17 (4-5): p 257-264 1997-1998**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**Journal:** Environmental Science & Technology 32 (2): p 217-224 Jan. 15, 1998**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**Journal:** Aquatic Toxicology (Amsterdam) 40 (1): p 11-22 Nov. 25, 1997**Comparative study on the acute toxicities of alpha, beta, gamma, and delta isomers of hexachlorocyclohexane to freshwater fishes.****Author:** Oliveira-Filho E C; Paumgarten F J R(a)**Author Address:** (a)Lab. Environ. Toxicol., Dep. Biol. Sci., Natl. Sch. Public Health, Oswaldo Cruz Found., Rua Leop, Brazil**Journal:** Bulletin of Environmental Contamination and Toxicology 59 (6): p 984-988 Dec., 1997**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**Journal:** Journal of Chromatography A 778 (1-2): p 87-94 1997**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**Journal:** Environmental Toxicology and Chemistry 16 (9): p 1867-1872 1997

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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

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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

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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

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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

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Author: Gonzalez Alicia C; Olson Terese M

Author Address: Dep. Civil Environ. Eng., Univ. Calif., Irvine, CA 92627, USA

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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

Journal: Japanese Journal of Toxicology and Environmental Health 42 (6): p 529-533 1996

Language: Japanese; Non-English

Summary Language: English

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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

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Author: Thomas Jean-Christophe; Berger Françoise; 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

Journal: Journal of Hazardous Materials 50 (1): p 47-64 1996

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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.

Author: Middeldorp Peter J M(a); Jaspers Marco; Zehnder Alexander J B; Schraa Gosse

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

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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

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Author Address: (a)Lab. Soil Microbiol., Central Rice Res. Inst., Cuttack 753 006, India

Journal: Journal of Agricultural and Food Chemistry 43 (3): p 833-837 1995

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Author: Falconer R L(a); Bidleman T F; Gregor D J

Author Address: (a)Dep. Chem., Youngstown State Univ., Youngstown, OH 44555, USA

Journal: Science of the Total Environment 160-161 (0): p 65-74 1995

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Author: Schreitmüller Joern; Ballschmiter Karlheinz(a)

Author Address: (a)Dep. Anal. Environ. Chem., Univ. Ulm, Albert-Einstein-Allee 11, Ulm D-89069, Germany

Journal: Environmental Science & Technology 29 (1): p 207-215 1995

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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.

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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)

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Jul 99

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Wania, Frank, WECC Wania Environ Chemists Corp, Toronto, ON, Canada; Mackay, Donald; Li, Yi-Fan; Bidleman, Terry F.; Strand, Asbjorn
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Kalbitz, K., (University of Bayreuth, Germany); Popp, P., (UFZ Centre for Environ Research Leipzig-Halle, Germany)
Environ Pollut v106, n1, p139(3)
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May 99

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Bull Environ Contam Toxicol v59, n6, p984(5)
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Soengas, J. L., Universidade de Vigo, Spain; Strong, E. F.; Aldegunde, M.; Andres, M. D.
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Nov 97

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Ademoyero, Adedamola, Agency for Toxic Substances and Disease Registry, Atlanta, GA; Neft, Robin; Donohue, Joyce M.; Hales, Yvonne N.; George, Julia
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Sep 97

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Middeldorp, Peter J. M., Wageningen Agricultural University, Netherlands; Jaspers, Marco; Zehnder, Alexander J. B.; Schraa, Gosse
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Jul 96

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Poissant, Laurier; Koprivnjak, Jean-Francois, Environ Canada, Saint-Laurent, PQ
Environ Sci Technol v30, n3, p845(7)
Mar 96

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Falconer, Renee L., Atmospheric Environ Service, Downsview, ON, Canada; Bidleman, Terry F.; Gregor, Dennis J.; Semkin, Ray; Teixeira, Camilla
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Reversal of the Air-Water Gas Exchange Direction of Hexachlorocyclohexanes in the Bering and Chukchi Seas: 1993 versus 1988

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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
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17 LINDANE

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Anonymous

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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

Journal: Bulletin of Environmental Contamination and Toxicology 63 (4): p 467-472 Oct., 1999

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

Journal: Pesticide Science 54 (3): p 212-222 Nov., 1998

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

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

Journal: Environmental Toxicology and Chemistry 18 (7): p 1354-1361 July, 1999

Effects of the organochlorine insecticide lindane (γ -C₆H₆Cl₆) on the population responses of the freshwater amphipod *Hyaella 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

Journal: Environmental Toxicology and Chemistry 18 (6): p 1264-1269 June, 1999

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, Wageningen, 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**Journal:** Environmental Pollution 104 (1): p 31-39 1999**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**Journal:** Environmental Pollution 103 (2-3): p 193-202 1998**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**Journal:** Bulletin of Environmental Contamination and Toxicology 61 (3): p 397-404 Sept., 1998**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**Journal:** Archives of Environmental Contamination and Toxicology 35 (3): p 432-440 Oct., 1998**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 Ciénaga Grande de Santa Marta.****Author:** Espinosa Luisa F(a); Campos Nestor H; Ramirez Gustavo(a)**Author Address:** (a)INVEMAR, Apartado 1016, Santa Marta, Colombia**Journal:** Caldasia 20 (1): p 44-56 May, 1998**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**Journal:** Biology of Reproduction 58 (SUPPL. 1): p 92 1998**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

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

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

Journal: Bulletin of Environmental Contamination and Toxicology 60 (4): p 596-600 April, 1998

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

Journal: Zentralblatt fuer Hygiene und Umweltmedizin 199 (5): p 435-436 Feb., 1997

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., WCVN, Univ. Saskatchewan, Saskatoon, SK S7N 5B4, Canada

Journal: Journal of Reproduction and Fertility 111 (1): p 21-28 Sept., 1997

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

Journal: Atmospheric Environment 31 (22): p 3787-3802 1997

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

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Author: Mougine 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

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Author: Keerthinarayana S(a); Bandyopadhyay M

Author Address: (a)Civil Eng. Dep., Indian Inst. Technol., Kharagpur-721 302, India

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Author Address: (a)Dep. Biol., Fac. Sci., Hacettepe Univ., 06532 Beytepe, Ankara, Turkey

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Author Address: (a)Inst. Physical Chem., NCSR Demokritos, 153-10 Athens, Greece

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Author: Peither Armin(a); Juettner Ingrid; Kettrup Antonius; Lay Jan-Peter

Author Address: (a)GSF-Forschungszentrum fuer Umwelt und Gesundheit, Inst. Bodenoekologie, Neuherberg, 85764 Obersc, Germany

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Author Address: (a)CTIS, 21 rue de la Banniere, 69003 Lyon, France

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Author Address: Fraunhofer-Inst. Umweltchemie Oekotoxikol., D-57392 Schmallingenberg, Germany

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Author Address: (a)Utrecht Univ., Dep. Comparative Physiol., Padualaan 8, 3584 CH Utrecht, Netherlands

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Author: Cleemann Marianne(a); Poulsen Mette E; Hilbert Gudrun

Author Address: (a)Natl. Environmental Res. Inst., Frederiksborgvej 399, DK-4000 Roskilde, Denmark

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Author: Ortiz Martinez Agustin(a); Martinez-Conde Esperanza

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