



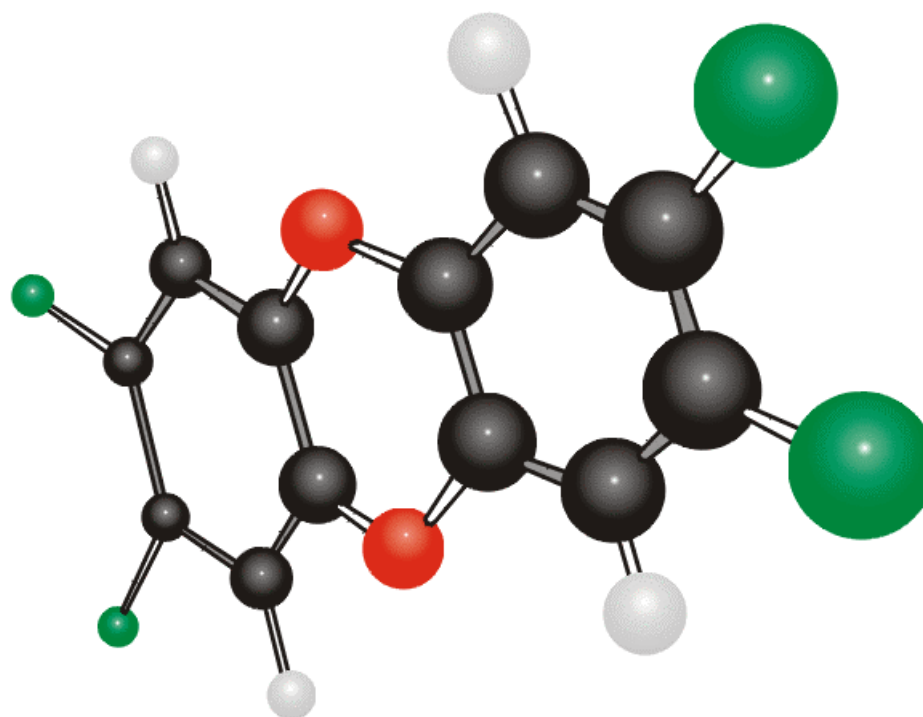
UNITED NATIONS  
ENVIRONMENT PROGRAMME



## 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

**Note**

The designations employed and the presentation of the material in this publication do not imply the expression of any opinion whatsoever on the part of the Secretariat of the United Nations concerning the legal status of any country, territory, city, or area, or its authorities, or concerning the delimitation of its frontiers or boundaries.

This publication is produced within the framework of the Inter-Organization Programme for the Sound Management of Chemicals (IOMC). It was produced as part of a Project Development Facility (PDF-B) grant provided by the Global Environment Facility (GEF).

The **Inter-Organization Programme for the Sound Management of Chemicals (IOMC)** was established in 1995 by UNEP, ILO, FAO, WHO, UNIDO and OECD (Participating Organizations), following recommendations made by the 1992 UN Conference on Environment and Development to strengthen cooperation and increase coordination in the field of chemical safety. In January 1998, UNITAR formally joined the IOMC as a Participating Organization. The purpose of the IOMC is to promote coordination of the policies and activities pursued by the Participating Organizations, jointly or separately, to achieve the sound management of chemicals in relation to human health and the environment.

Material in this publication may be freely quoted or reprinted, but acknowledgement is requested together with a reference to the document number. A copy of the publication containing the quotation or reprint should be sent to UNEP Chemicals.

Available from:

UNEP Chemicals  
International Environment House  
11-13 chemin des Anémones  
CH-1219 Châtelaine, Geneva, Switzerland  
Tel.: +41 22 917 81 70 ; Fax: +41 22 797 34 60  
E-mail: [chemicals@unep.ch](mailto:chemicals@unep.ch)



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



# Bibliography for a Selected Number of Persistent Toxic Substances

## Table of Contents

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



## 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

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

EPA working group

**Source:** Environmental Protection Agency; EPA/600/8-88/015; 1987; 39 p

**Dieldrin (group 3)**

Anonymous

**Source:** IARC Monographs on the evaluation of the carcinogenic risk of chemicals to humans; Suppl. 7; 1987; 196-7**Dieldrin**

Anonymous

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

Anonymous

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

Anonymous

**Source:** Canadian water quality guidelines; 1987**Aldrin/dieldrin**

Anonymous

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

Anonymous

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

WHO working group

**Source:** Environmental Health Criteria(91); 1989; 335 p**Dieldrin**

Anonymous

**Source:** Toxikologisch-arbeitsmedizinische Begründung von MAK-Werten (Maximale Arbeitsplatzkonzentrationen); 1970; 4 p**Language:** GERMAN**Ambient water quality criteria for aldrin/dieldrin**

Epa Working Group

**Source:** Environmental protection agency; EPA 440/5-80-019; 1980**Aldrin**

Anonymous

**Source:** IARC monographs on the Evaluation of the Carcinogenic risk of chemicals to humans; 5; 1974; 25-38

**Dieldrin**

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.**

**Author:** Hsu Jih-Tay; Ying Chingwen(a); Lan Hsin-Chieh

**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.**

**Author:** Johns J M(a); Liu J; Bhasin N; Grayson D R; Devaud L L(a); Moy S; Lubin D; Lauder J M

**Author Address:** (a)Dep. Psychiatry, Univ. N.C., Chapel Hill, NC, USA

**Journal:** Society for Neuroscience Abstracts 24 ( 1-2 ): p 101 1998

**Conference/Meeting:** 28th Annual Meeting of the Society for Neuroscience, Part 1 Los Angeles, California, USA November 7-12, 1998

**Sponsor:** Society for Neuroscience

**Dieldrin and picrotoxinin modulation of GABAA receptor single channels.**

**Author:** Ikeda Tomoko; Nagata Keiichi; Shono Toshio; Narahashi Toshio(a)

**Author Address:** (a)Dep. Molecular Pharmacol. Biological Chem., Northwestern Univ. Med. Sch., Chicago, IL 60611-3008, USA

**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.**

**Author:** Zaragoza R; Barna L(a); Blanchard J M

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

**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)

**Author Address:** (a)Centro Neurociencias, Dep. Zool., 3000 Coimbra, Portugal

**Journal:** Medical Science Research 26 ( 8 ): p 556-561 Aug., 1998

**Testosterone and inhibin B secretion by human fetal testicular explants are suppressed by in vitro exposure to the environmental toxicant dieldrin.**

**Author:** Brown E(a); Abramovich D R(a); Wallace H M; Johnston P W; Riley S C; Groome N P; Fowler P A(a)

**Author Address:** (a)Dep. Obstet. and Gynaecol., Univ. Aberdeen AB25 2ZD, UK

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

**Conference/Meeting:** Annual Conference of the Society for the Study of Fertility Glasgow, Scotland July 1998

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

**Residues of the organochlorine compounds lindane, heptachlor, aldrin, pp'DDE, pp'DDD y pp'DDT were determined in leaves of two species of mangrove (Rhizophora mangle and Avicennia germinans) from the Cienaga Grande de Santa Marta.**

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

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

**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

**Journal:** Abstracts of Papers American Chemical Society 216 ( 1-3 ): p AGRO 88 1998

**Conference/Meeting:** 216th National Meeting of the American Chemical Society Boston, Massachusetts, USA August 23-27, 1998

**Sponsor:** American Chemical Society

**Relationship between deer mouse population parameters and dieldrin contamination in the Rocky Mountain Arsenal National Wildlife Refuge.**

**Author:** Allen Daniel L; Otis David L(a)

**Author Address:** (a)U.S. Geological Survey, Biological Resources Div., South Carolina Cooperative Fish Wildlife Res., USA

**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 Lumbriculus variegatus.**

**Author:** Standley L J

**Author Address:** Stroud Water Res. Cent., Acad. Nat. Sci., Avondale, PA 19311, USA

**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

**Journal:** Teratology 55 ( 1 ): p 30 1997

**Conference/Meeting:** Joint Meeting of the Teratology Society Thirty-seventh Annual Meeting and Tenth International Conference of the Organization of Teratology Information Services Palm Beach, Florida, USA June 21-26, 1997

**Quantification by ELISA of aldrin/dieldrin in River Nile water and tap water samples collected in Egypt.**

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

**Author Address:** (a)Dep. Biochemistry, Faculty Agriculture, Cairo Univ., Cairo, Egypt

**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.**

**Author:** Ragab A A(a); Abdel-Latif M S(a); Ibrahim A M A; Smith C J

**Author Address:** (a)Dep. Biochem., Fac. Agric., Cairo Univ., Giza, Egypt

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

**Absorption of dietary dieldrin by striped bass.**

**Author:** Santerre C R(a); Blazer V S; Khanna N; Reinert R E; Barrows F T

**Author Address:** (a)Silliker Lab. Ohio Inc., 1224 Kinnear Rd., Columbus, OH 43212, USA

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

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

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

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

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

**Effect of aldrin on carbohydrate, protein, and ionic metabolism of a freshwater catfish, *Heteropneustes fossilis*.**

**Author:** Singh N N(a); Das V K; Singh S

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

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

**Susceptibility of DDT, Dieldrin, and the development of malathion resistance in *Anopheles culicifacies* (Diptera: Culicidae) in Ambala district of Haryana, India.**

**Author:** Sharma R S; Sharma S N; Sharma R S

**Author Address:** Natl. Malaria Eradication Programme, 22, Sham Nath Marg, Delhi-110054, India

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

**Dieldrin pretreatment alters (14C)dieldrin and (3H)7,12-dimethylbenz(a)anthracene uptake in rainbow trout liver slices.**

**Author:** Gilroy Duncan J; Miranda Cristobal L; Siddens Lisbeth K; Zhang Quan; Buhler Donald R; Curtis Lawrence R(a)

**Author Address:** (a)Dep. Environmental Health, P.O. Box 70682, East Tennessee State Univ., Johnson City, TN 37614-06, USA

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



**Accumulation and elimination of aldrin in the oyster *Crassostrea rhizophorae* in 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

**Language:** Portuguese; Non-English

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

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

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

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

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

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

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

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

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

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

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

**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

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

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

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

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

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

**Journal:** Pesticide Biochemistry and Physiology 51 ( 3 ): p 170-177 1995

**Development of an indirect competitive ELISA for aldrin/dieldrin in human milk samples collected in Egypt.**

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

**Author Address:** (a)Cortecs Diagnostics Ltd., Techbase 1, Newtech Square, Deeside Industrial Park, Clwyd CH5 2NT, UK

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

**The effects of dieldrin on the sperm ultrastructure of the earthworm *Eudrilus eugeniae* (Oligochaeta).**

**Author:** Reinecke Sophie A; Reinecke Adriaan J(a); Froneman Moya L

**Author Address:** (a)Dep. Zool., Univ. Stellenbosch, Stellenbosch 7600, South Africa

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

**Dieldrin and dopamine neuron toxicity.**

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

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

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

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

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

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

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

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

**Check studies with *Hyalella azteca* and *Chironomus tentans* in support of the development of a sediment quality criterion for dieldrin.**

**Author:** Hoke Robert A(a); Kosian Patricia A; Ankley Gerald T; Cotter Anne M; Vandermeiden Frances M; Phipps Gary L; Durhan Elizabeth J

**Author Address:** (a)Sci. Applications International Corp., 411 Hackensack Ave., Hackensack, NJ 07601, USA

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

**Uptake of organochlorines (Chlorobiphenyls, Dieldrin: Total PCB and DDT) in Bottlenose dolphins (*Tursiops truncatus*) from Cardigan Bay, West Wales.**

**Author:** Law R J; Allchin C R; Morris R J

**Author Address:** Ministry Agric., Fisheries Food, Fisheries Lab., Remembrance Ave., Burham-on Courch, Essex CM0 8HA, UK

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

**Enzyme-Linked Immunosorbent Assay (ELISA) for the Determination of Dieldrin and Atrazine Residues in Environmental Samples**

Maqbool, Uzma, Nuclear Institute for Agriculture and Biology, Faisalabad, Pakistan; Qureshi, M. Jamil; Haq, Anwarul; Iqbal, M. Zafar

Australian Centre for Int Agric Res/et al Seeking Agric Produce Free of Pesticide Residues Int Workshop, Yogyakarta, Indonesia p241(13)

Feb 17-19, 98

**Effects of Dieldrin on life Stages of the African Catfish, *Clarias gariepinus* (Burchell)**

Lamai, S. L., University of Reading, United Kingdom; Warner, G. F.; Walker, C. H.  
Ecotoxicol Environ Saf v42, n1, p22(8)  
Jan 99

**Relationship Between Deer Mouse Population Parameters and Dieldrin Contamination in the Rocky Mountain Arsenal National Wildlife Refuge**

Allen, Daniel L.; Otis, David L., USGS, Clemson, SC  
Can J Zool v76, n2, p243(8)  
Feb 98

**Modulation of 7,12-Dimethylbenz(a)anthracene Disposition and Hepatocarcinogenesis by Dieldrin and Chlordecone in Rainbow Trout**

Donohoe, Regina M., Oregon State University, Corvallis; Zhang, Quan; Siddens, Lisbeth K.; Hendricks, Jerry D.; Curtis, Lawrence R.  
J Toxicol Environ Health v54, n3, p227(16)  
Jun 12, 98

**Sequestration of DDT and Dieldrin in Soil: Disappearance of Acute Toxicity but not the Compounds**

Robertson, Boakai K., Cornell University, Ithaca, NY; Alexander, Martin  
Environ Toxicol Chem v17, n6, p1034(5)  
Jun 98

**Dieldrin in Fish and Shellfish from the Mersey Estuary and Liverpool Bay**

Leah, R. T., University of Liverpool, UK; Johnson, M. S.; Connor, L.; Levene, C.  
Bull Environ Contam Toxicol v60, n5, p802(7)  
May 98

**Midgut Pathology of Aldrin, Monocrotophos, and Carbaryl in the Freshwater Crab, *Paratelphusa masoniana* (Henderson)**

Kaushik, N.; Kumar, S., Kumaon University, Nainital, India  
Bull Environ Contam Toxicol v60, n3, p480(7)  
Mar 98

**Stress Proteins HSP60 and HSP70 in Three Species of Amphipods Exposed to Cadmium, Diazinon, Dieldrin and Fluoranthene**

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

**Dieldrin and Chlordane Residue in Agriculture Fields**

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

**PCB Congeners, DDE, Dieldrin and Mercury in Eggs from an Expanding Colony of Cormorants (*Phalacrocorax carbo*)**

Mason, C. F., University of Essex, Colchester, UK; Ekins, G.; Ratford, J. R.  
Chemosphere v34, n8, p1845(5)  
Apr 97

**Absorption of Dietary Dieldrin by Striped Bass**

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

**Effect of Aldrin on Carbohydrate, Protein, and Ionic Metabolism of a Freshwater Catfish, *Heteropneustes fossilis***

Singh, N. N.; Kamla Nehru Institute of Physical and Social Sciences, Sultanpur, India; Das, V. K.; Singh, S.  
Bull Environ Contam Toxicol v57, n2, p204(7)  
Aug 96

**Evaluation of Host Resistance and Non-Specific Cell Mediated Immune Responses in Mice Exposed to Sublethal Subchronic Doses of Aldrin**

Bhatia, A.; Kaur, Jasdeep, Punjabi University, Patiala Punjab, India  
Int J Environ Stud v47, n3-4, p225(6)  
1995

**Check Studies with *Hyalella azteca* and *Chironomus tentans* in Support of the Development of a Sediment Quality Criterion for Dieldrin**

Hoke, Robert A., Science Applications International Corp, Hackensack, NJ; Kosian, Patricia A.; Ankley, Gerald T.; Cotter, Anne M.; Vandermeiden, Frances M.; Phipps, Gary L.; Durhan, Elizabeth J.  
Environ Toxicol Chem v14, n3, p435(9)  
Mar 95

**Uptake of Organochlorines (Chlorobiphenyls, Dieldrin; Total PCB & DDT) in Bottlenose Dolphin (*Tursiops truncatus*) from Cardigan Bay, West Wales**

Law, R. J., Ministry of Agriculture Fisheries and Food, Essex, UK; Allchin, C. R.; Morris, R. J.  
Chemosphere v30, n3, p547(14)  
Feb 95

### 3 CHLORDANE

#### **Toxicological profile for Chlordane**

Anonymous

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

#### **Health effects assessment for chlordane**

EPA working group

**Source:** Environmental protection agency; EPA/600/8-89/089; 1988; 43 p

#### **Chlordane/heptachlor (Group 3)**

Anonymous

**Source:** IARC Monographs on the evaluation of the carcinogenic risk of chemicals to humans; Suppl. 7; 1987; 146-8

#### **Chlordane**

Anonymous

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

#### **Chlordane and heptachlor**

IARC working group

**Source:** IARC Monographs on the evaluation of the carcinogenic risk of chemicals to humans; 53; 1991; 115-75

#### **Chlordan**

Anonymous

**Source:** Toxikologisch-arbeitsmedizinische Begründung von MAK-Werten (Maximale Arbeitsplatz-Konzentrationen); 1970; 5 p

**Language:** GERMAN

#### **Ambient water quality criteria for chlordane**

Epa working group

**Source:** Environmental protection agency; EPA-440/5-80-027; 1980; 69 p

#### **Chlordane**

WHO Working Group

**Source:** Environmental Health Criteria; 34; 1984; 82 p

#### **Chlordane**

Anonymous

**Source:** IARC monographs on the Evaluation of the Carcinogenic risk of chemicals to humans; 20; 1979; 45-65

**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

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

**Sponsor:** American Chemical Society

**Neurotoxic effects of chlordane/heptachlor termiticide sprayed in an apartment complex.**

**Author:** Hirsch A R(a)

**Author Address:** (a)Rush-Presbyterian-St. Luke's Med. Cent., Chicago, IL, USA

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

**Conference/Meeting:** Meeting on Pesticides and Susceptible Populations: Who is at Risk and When held at the Sixteenth International Neurotoxicology Conference Little Rock, Arkansas, USA September 13-16, 1998

**Effect of the chlorinated hydrocarbons heptachlor, chlordane and toxophene on retinoblastoma tumor suppressor in human lymphocytes.**

**Author:** Rouht Steffney E; Yau Peter M; Chuang Linda F; Doi Roy H; Chuang Ronald Y (a)

**Author Address:** (a)Dep. Med. Pharmacol. Toxicol., Univ. Calif., Davis, CA 95661, USA

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

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

**Author:** Gunderson D T(a); Kraehling 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. Johanns-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)  
Feb 98

**Concentrations and Transport of Chlordane and Nonachlor Associated with Suspended Sediment in the Mississippi River, May 1988 to June 1990**

Rostad, C. E., USGS, Arvada, CO  
Arch Environ Contam Toxicol v33, n4, p369(9)  
Nov 97

**Dieldrin and Chlordane Residue in Agriculture Fields**

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

**Determination of Chlordane and Chlorpyrifos in Ambient Air at Low Nanogram-Per-Cubic Meter Levels by Supercritical Fluid Extraction**

Swami, Kamal, New York State Department of Health, Albany; Narang, Amarjit S.; Narang, Rajinder S.  
J AOAC Int v80, n1, p74(4)  
Jan-Feb 97

**Toxaphene, PCB, DDT, and Chlordane Analyses of Beluga Whale Blubber**

Wade, Terry L., Texas A&M University, College Station; Chambers, Laura; Gardinali, Piero R.; Sericano, Jose L.; Jackson, Thomas J.; Tarpley, Raymond J.; Suydam, Robert  
Chemosphere v34, n5-7, p1351(7)  
Mar-Apr 97

**4,5-Dichloro-Chlordene, a New Synthetic Internal Standard for the Quantification of Toxaphene and Chlordane Congeners in Fish from the Barents Sea and North Atlantic. Application and Experience**

Karlsson, Heidi, Norwegian Institute for Air Research, Kjeller; Oehme, Michael; Klungsoyr, Jarle

Chemosphere v34, n5-7, p951(13)

Mar-Apr 97

**Dynamics of Chlordane Under Nonconstant Exposure Conditions: a Numerical Bioaccumulation Model**

Erstfeld, K. M., (Rutgers University, New Brunswick, NJ); Park, S. S., (Ewha University, Seoul, South Korea)

Bull Environ Contam Toxicol v58, n3, p364(8)

Mar 97

**Chlordane Contamination in Selected Estuarine and Coastal Marine Finfish and Shellfish of New Jersey, USA**

Kennish, Michael J., (Rutgers University, New Brunswick, NJ); Ruppel, Bruce E., (New Jersey Department of Environ Protection, Trenton)

Environ Pollut v94, n1, p75(7)

1996

**Chlordane Contamination in Selected Freshwater Finfish of New Jersey**

Kennish, M. J., (Rutgers University, New Brunswick, NJ); Ruppel, B. E., (New Jersey Department of Environmental Protection, Trenton, NJ)

Bull Environ Contam Toxicol v58, n1, p142(8)

Jan 97

**Chlordane Residues in Marine Biota and Sediment from an Intertidal Sandbank in Manukau Harbour, New Zealand**

Simpson, C. D., University of British Columbia, Vancouver, Canada; Wilkins, A. L.; Langdon, A. G.; Wilcock, R. J.

Mar Pollut Bull v32, n6, p499(5)

Jun 96

**Sorption and Desorption Characteristics of Chlordane onto Sediments**

Erstfeld, K. M., University of Michigan, Ann Arbor; Simmons, M. S.; Atallah, Y. H.

J Environ Sci Health-Pestic Food Contam Agric Wastes vB31, n1, p43(16)

Jan 96

**Human Pollution by Chlordane and Physical Condition of Subjects**

Hirai, Y., Saga Medical School, Japan; Tomokuni, K.

Bull Environ Contam Toxicol v55, n6, p840(5)

Dec 95

**Accumulation of cis and trans Chlordane by Channel Catfish During Dietary Exposure**

Murphy, D. L., University of Maryland, Baltimore; Gooch, J. W.

Arch Environ Contam Toxicol v29, n3, p297(5)

Oct 95

**Protracted Neurotoxicity from Chlordane Sprayed to Kill Termites**

Kilburn, Kaye H., (University of Southern California School of Medicine, Los Angeles);  
Thornton, John C., (Thornton Associates, Mahopac, NY)  
Environ Health Perspec v103, n7-8, p690(5)  
Jul-Aug 95

**Identification of a Point Source of Chlordane Contamination from a Timber Treatment Facility**

Simpson, C. D., University of British Columbia, Vancouver, Canada; Smith, T. J.; Burggraaf, S.;  
Wilkins, A. L.; Langdon, A. G.; Wilcock, R. J.  
Bull Environ Contam Toxicol v55, n2, p289(7)  
Aug 95

**Chlordane Compounds and Metabolite Residues in Termite Control Workers' Blood**

Jitunari, F., Kagawa Medical School, Japan; Asakawa, F.; Takeda, N.; Suna, S.; Manabe, Y.  
Bull Environ Contam Toxicol v54, n6, p855(8)  
Jun 95

## 4 DDT

### **4,4'-DDT, 4,4'-DDE, 4,4'-DDD**

Anonymous

**Source:** Agency for Toxic Substances and Disease Registry U.S. Public Health Service; ATSDR TP-93/05; 1994; 162 p

### **Health effects assessment for DDT**

EPA working group

**Source:** Environmental protection agency; EPA/600/8-89/091; 1988; 58 p

### **DDT (group 2B)**

Anonymous

**Source:** IARC Monographs on the evaluation of the carcinogenic risk of chemicals to humans; Suppl. 7; 1987; 186-9

### **DDT**

Anonymous

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

### **DDT**

Anonymous

**Source:** Canadian water quality guidelines; 1987

### **Ambient water quality criteria for DDT**

EPA working group

**Source:** Environmental Protection Agency; EPA-440/5-80-038; 1980

### **DDT and associated compounds**

IARC working group

**Source:** IARC Monographs on the evaluation of the carcinogenic risk of chemicals to humans; 53; 1991; 179-249

### **Hazard assessment of chemical contaminants i soil**

ECETOC working group

**Source:** ECETOC Technical report; 40; 1990; 123 p

### **DDT and is derivatives - environmental aspects**

WHO working group

**Source:** Environmental Health Criteria(83); 1989; 98 p

### **DDT**

FAO and WHO working groups

**Source:** FAO plant production and protection paper; 67; 1984; 585-601

**DDT and its derivatives**

WHO Working Group

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

**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

**DDT enrichment in a prey-predator relationship in background and recently contaminated lakes in Northern Italy.**

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

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

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

**Conference/Meeting:** 218th National Meeting of the American Chemical Society, Parts 1 and 2 New Orleans, Louisiana, USA August 22-26, 1999

**Sponsor:** American Chemical Society

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

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

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

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

**Conference/Meeting:** 218th National Meeting of the American Chemical Society, Parts 1 and 2 New Orleans, Louisiana, USA August 22-26, 1999

**Sponsor:** American Chemical Society

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

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

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

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

**Conference/Meeting:** 218th National Meeting of the American Chemical Society, Parts 1 and 2 New Orleans, Louisiana, USA August 22-26, 1999

**Sponsor:** American Chemical Society

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

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

**Author Address:** (a)Mid-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

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

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

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

**Journal:** Toxicology Letters (Shannon) 107 ( 1-3 ): p 189-192 June 30, 1999

**DDT and bone mineral density.**

**Author:** Marshall S(a); Beard J; Jong K; Newton R(a); Triplett-McBride T(a); Humphries B(a); Bronks R(a)

**Author Address:** (a)School of Exercise and Sports Management, Southern Cross University, Lismore, Australia

**Journal:** Calcified Tissue International 64 ( SUPPL. 1 ): p S52 1999

**Conference/Meeting:** XXVIth European Symposium on Calcified Tissues Maastricht, Netherlands May 7-11, 1999

**Sponsor:** European Calcified Tissue Society

**Levels of dichloro-dyphenyl-trichloroethane (DDT) metabolites in maternal milk and their determinant factors.**

**Author:** Torres-Arreola Laura; Lopez-Carrillo Lizbeth; Torres-Sanchez Luisa; Cebrian Mariano; Rueda Celina; Reyes Raul; Lopez-Cervantes Malaquias(a)

**Author Address:** (a)National Institute of Public Health/Secretary of Health, Mexico, Av. Universidad No. 655, Col. S, Mexico

**Journal:** Archives of Environmental Health 54 ( 2 ): p 124-129 March-April, 1999

**Predicting the trophic transport of sediment-associated DDT to fish-eating birds.**

**Author:** Lee H II(a); Young D R; Echols S F

**Author Address:** (a)U.S. EPA, Off. Sci. Policy, San Francisco, CA 94105, USA

**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

**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

**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 mechansim 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**ISSN:** 0022-104X**DDT and its metabolites in human milk collected in Veracruz City and suburban areas (Mexico).****Author:** Pardio V T(a); Waliszewski S M; Aguirre A A; Coronel H; Burelo G V; Infanzon-R R M; Rivera J**Author Address:** (a)Inst. 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.  
Mar Pollut Bull v38, n8, p655(8)  
Aug 99

**Biodegradation of 2,4-D and DDT at High Concentrations in Low-Cost Packaging Biofilters**

Torres, Luis G., Instituto Mexicano del Petroleo; Santacruz, German; Bandala, Erick R.  
Bioremediation of Nitroaromatic and Haloaromatic Compounds (Battelle) v5, n7, p137(6)  
1999

**Biodegradation of DDT: The Role of *Pleurotus* sp., A Lignicolous Fungus**

Osano, Anne A., University of Nairobi, Kenya; Siboe, George M.; Ochanda, John O.; Kokwaro, J. O.  
Bioremediation of Nitroaromatic and Haloaromatic Compounds (Battelle) v5, n7, p69(6)  
1999

**Preliminary Study on the Marine Organic Pollution History in Changjiang Estuary-Hangzhou Bay-BHC and DDT Stratigraphical Records**

Chen, Jian-fang, State Oceanographic Administration, Hangzhou, China; Ye, Xin-rong; Zhou, Huai-yang; Xia, Xiao-ming; Zheng, Shi-long  
China Environ Sci v19, n3, p206(5)  
1999

**Variation of Plant p,p'-DDT Uptake with Age and Soil Type and Dependence of Dissipation on Temperature**

Kiflom, Welderufael G., University of Nairobi, Kenya; Wandiga, Shem O.; Ng'ang'a, Peter K.; Kamau, Geoffrey N.  
Environ Int v25, n4, p479(9)  
May 99

**Analysis of the Distribution of DDT Residues in Soils of the Macintyre and Gwydir Valleys of New South Wales, Australia, Using ELISA**

Shivaramaiah, H. M., University of Sydney, NSW, Australia; Odeh, I. O.; Kennedy, I. R.; Skerritt, J. H.  
Australian Centre for Int Agric Res/et al Seeking Agric Produce Free of Pesticide Residues Int Workshop, Yogyakarta, Indonesia p386(7)  
Feb 17-19, 98

**Levels of Dichloro-Dyphenyl-Trichloroethane (DDT) Metabolites in Maternal Milk and Their Determinant Factors**

Torres-Arreola, Laura, Mexican Institute of Social Security; Lopez-Carillo, Lizbeth, Secretary of Health, Cuernavaca, Mexico; Torres-Sanchez, Luisa; Cebrian, Mariano; Rueda, Celina; Reyes, Raul; Lopez-Cervantes, Malaquias  
Arch Environ Health v54, n2, p124(6)  
Mar-Apr 99



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

Morrison, Robert D.; Newell, A. E., R. Morrison & Associates, Escondido, CA  
J Soil Contam v8, n1, p63(18)  
Jan 99

**Ratio of DDT/DDE in the All Saints Bay, Brazil and Its Use in Environmental Management**

Tavares, T. M., Universidade Federal de Bahia, Brazil; Beretta, M.; Costa, M. C.  
Chemosphere v38, n6, p1445(8)  
Mar 99

**Sorption Kinetics and Transformation of DDT in Sediment**

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

**Historical DDT Use Trends in China and Usage Data Gridding with 1/4~ by 1/6~ Longitude/Latitude Resolution**

Li, Y. F., Atmospheric Environ Service, Downsview, ON, Canada; Cai, D. J.; Singh, A.  
Adv Environ Res v2, n4, p497(10)  
Winter 994qr

**Long-Term Persistence of DDT in Shrews, Soricidae, from Maine**

Perkins, Dustin W., University of Maine, Orono; Hodgman, Thomas P.; Owen, Ray B.; Dimond, John B.  
Can Field-Nat v112, n3, p393(7)  
Jul-Sep 98

**A Comparison of Ultrasonication and Soxhlet Methods for DDT Extraction from Soil**

Evans, J., Simplot Company, Pocatello, ID; Kaake, R. H.; Orr, M.; Watwood, M.  
J Soil Contam v7, n5, p589(9)  
Sep 98

**Comparison of Supercritical Fluid Extraction and Soxhlet Extraction for the Determination of DDT, DDD and DDE in Sediment**

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.  
Water SA v24, n3, p205(10)  
Jul 98

**Plasma Levels of Vitellogenin and Eggshell Zona Radiata Proteins in 4-Nonylphenol and o,p'-DDT Treated Juvenile Atlantic Salmon (*Salmo salar*)**

Arukwe, A., University of Bergen, Norway; Celius, T.; Walther, B. T.; Goksoyr, A.  
Mar Environ Res v46, n1-5, p133(4)  
Jul-Dec 98

**DDT Induces Apoptosis in Rat Thymocytes**

Tebourbi, O., Laboratory of Animal Physiology, Bizerta-Jarzouna, Tunisia; Rhouma, K. T.; Sakly, M.  
Bull Environ Contam Toxicol v61, n2, p216(8)  
Aug 98

**Sequestration of DDT and Dieldrin in Soil: Disappearance of Acute Toxicity but not the Compounds**

Robertson, Boakai K., Cornell University, Ithaca, NY; Alexander, Martin  
Environ Toxicol Chem v17, n6, p1034(5)  
Jun 98

**DDT and Its Metabolites in Human Milk Collected in Veracruz City and Suburban Areas (Mexico)**

Pardio, V. T., Veracruz University, Mexico; Waliszewski, S. M.; Aguirre, A. A.; Coronel, H.; Burelo, G. V.; Infanzon, R. M.; Rivera, J.  
Bull Environ Contam Toxicol v60, n6, p852(6)  
Jun 98

**Long Term DDT Pollution in Tropical Soils: Effect of DDT and Degradation Products on Soil Microbial Activities Leading to Soil Fertility**

Mitra, J.; Raghu, K., Bhabha Atomic Research Centre, Mumbai, India  
Bull Environ Contam Toxicol v60, n4, p585(7)  
Apr 98

**HCH and DDT in Surface Extractable Skin Lipid as a Measure of Human Exposure in India**

Dua, V. K., Malaria Research Centre, Hardwar, India; Pant, C. S.; Sharma, V. P.; Pathak, G. K.  
Bull Environ Contam Toxicol v60, n2, p238(7)  
Feb 98

**Contamination by PCB's, DDT's, and Heavy Metals in Sediments of Ho Chi Minh City's Canals, Viet Nam**

Phuong, P. K., Centre of Analytical Services and Experimentation, Ho Chi Minh City, Vietnam; Son, C. P. N.; Sauvain, J.-J.; Tarradellas, J.  
Bull Environ Contam Toxicol v60, n3, p347(8)  
Mar 98

## 5 ENDRIN

### **Toxicological profile for endrin and endrin aldehyde**

Anonymous

**Source:** Agency for Toxic Substances and Disease Registry U.S. Public Health Service; 1996; 188 p

### **Health effects assessment for endrin**

EPA working group

**Source:** Environmental protection agency; EPA/600/8-88/035; 1987; 43 p

### **Endrin**

Anonymous

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

### **Endrin**

WHO working group

**Source:** Environmental Health Criteria; 130; 1992; 241 p

### **Ambient water quality criteria for endrin**

EPA working group

**Source:** Environmental Protection Agency; EPA-400/5-80-047; 1980

### **Endrin**

Anonymous

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

### **Aldrin, Dieldrin (001) and Endrin (033)**

Ambrus, A., Budapest Plant Health & Soil Conservation Station, Hungary; Greenlaugh, R.;

Hamilton, D. J.; Ives, N. F.; Lundehn, J.-R.; Machin, A. F. ; Murray, W. J.

FAO/WHO Pesticide Residues in Food: Evaluations 1992 vPart 1, p93(9)

Sep 21-30, 92

### **Toxicity of Chlorpyrifos, Endrin, or Fenvalerate to Fathead Minnows Following Episodic or Continuous Exposure**

Jarvinen, Alfred W., EPA; Tanner, Danny K.; Kline, Edward R.

Ecotoxicol Environ Saf v15, n1, p78(18)

Feb 88

**Short-Term Lethality and Sediment Avoidance Assays with Endrin-Contaminated Sediment and Two Oligochaetes from Lake Michigan**

Keilty, Timothy J., Univ of Michigan; White, David S.; Landrum, Peter F.  
Arch Environ Contam Toxicol v17, n1, p95(7)  
Jan 88

**Effects of Dietary Endrin on Reproduction of Mallard Ducks (*Anas Platyrhynchos*)**

Roylance, Kyle J. ., Brigham Young Univ; Jorgensen, Clive D.; Booth, Gary M.; Carter, Melvin W.  
Arch Environ Contam Toxicol v14, n6, p705(7)  
Nov 85

**Short-Term Interactions Between DDT and Endrin Accumulation and Elimination in Mosquitofish (*Gambusia Affinis*)**

Denison, Michael S., Mississippi State Univ; Chambers, Janice E.; Yarbrough, James D.  
Arch Environ Contam Toxicol v14, n3, p315(6)  
May 85

**Toxicity of Endrin and Malathion Mixtures to Flagfish (*Jordanella Floridae*)**

Hermanutz, Roger O., EPA Env Research Lab, Duluth; Eaton, John G.; Mueller, Leonard H.  
Arch Environ Contam Toxicol v14, n3, p307(8)  
May 85

**Situation Statement: a Review of Montana's Endrin-Waterfowl Situation**

Montana Dep of Fish Wildl & Parks Report (4)  
Jul 23, 82

**Journal Announcement:** 19830000

**Toxicity of Metabolites of Dieldrin, Photodieldrin, and Endrin in the Cockroach**

Kadous, Atef A., Univ of Wisconsin; Matsumura, F.  
Arch Environ Contam Toxicol v11, n5, p635(9)  
Sep 82

**The Deadly Irony of Endrin**

Robbins, Jim  
Sierra v66, n6, p30(3)  
Nov-Dec 81

**Endrin: Its Application and Persistence and Threats to Human Health, and Wildlife Resources in Montana**

Montana Dep of Agric/Livestock/Health & Environ Sci/Fish Wildl & Parks Report (45)  
Sep 24, 81

**Reductive Degradation of Dieldrin and Endrin in the Field Using Acidified Zinc**

Butler, Larry C., EPA Health Effects Research Lab, Wash; Staiff, Donald C.; Sovocool, G. Wayne; Wilson, Nancy K.; Magnuson, James A.  
J Environ Sci Health-Pestic Food Contam Agric Wastes v16, n4, p395(16)  
1981

## 6 HEXACHLOROBENZENE

### **Hexachlorobenzene**

Anonymous

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

### **Hexachlorobenzene**

Anonymous

**Source:** Environmental Health Criteria; 195; 1997; 141 p

### **Hexachlorobenzene**

Anonymous

**Source:** ACGIH. Documentation of the threshold limit values and biological exposure indices; 6th ed., suppl. 1996; 1991; 8 p

### **Hexachlorobenzene**

Anonymous

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

### **Toxicological profile for Hexachlorobenzene**

Anonymous

**Source:** Agency for Toxic Substances and Disease Registry U.S. Public Health Service; 1996; 263 p

### **Hexachlorobenzene**

Anonymous

**Source:** Canadian Environmental Protection Act; 1993; 52 p

### **Hexachlorobenzene (Group 2B)**

Anonymous

**Source:** IARC Monographs on the evaluation of the carcinogenic risk of chemicals to humans; Suppl. 7; 1987; 219-20

### **Integrated criteria document chlorobenzenes. Effects.**

Hesse JM; Speijers GJ; Taalman RD

**Source:** National Institute for Public Health and Environmental Protection (RIVM), the Netherlands; Appendix to report No 710401015; 1991; 129 p

### **Integrated criteria document chlorobenzenes**

Slooff W; Bremmer HJ; Hesse JM; Matthijsen AJ

**Source:** National Institute for Public Health and Environmental Protection (RIVM), the Netherlands; Report No 710401015; 1991; 135 p

**Chlorinated benzenes**

Anonymous

**Source:** Canadian Water Quality Guidelines; 1991**Health-based recommended occupational exposure limits for hexachlorobenzene**

Dutch expert committee for occupational standards

**Source:** Directorate-General of Labour, the Netherlands; RA 2/88; 1988; 73 p**Ambient water quality criteria for chlorinated benzenes**

EPA working group

**Source:** Environmental protection agency; EPA-440/5-80-028; 1980; 216 p**Health assessment document for chlorinated benzenes. Final report.**

Epa working group

**Source:** Environmental Protection Agency; EPA-600/8-84-015F; 1985; 606p**Hexachlorobenzene**

Anonymous

**Source:** IARC monographs on the Evaluation of the Carcinogenic risk of chemicals to humans; 20; 1979; 155-78**The role of the immune system in hexachlorobenzene-induced toxicity.****Author:** Michielsen Carola CPPC; van Loveren Henk; Vos Joseph G(a)**Author Address:** (a)Laboratory for Pathology and Immunobiology, National Institute of Public Health and the Environment, Anthonie van Leeuwenhoeklaan 9, 3721 MA, Bilthoven, Netherlands**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

Bioremediation of Nitroaromatic and Haloaromatic Compounds (Battelle) v5, n7, p259(6)  
1999

**Distribution of PCB Congeners, DDE, Hexachlorobenzene, and Methylsulfonyl Metabolites of PCB and DDE Among Various Fractions of Human Blood Plasma**

Noren, K., Karolinska Institutet, Stockholm, Sweden; Weistrand, C.; Karpe, F.  
Arch Environ Contam Toxicol v37, n3, p408(7)  
Oct 99

**Diffusion and Sorption of Hexachlorobenzene in Sediments and Saturated Soils**

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

**Effect of Tween Surfactants on Methanogenesis and Microbial Reductive Dechlorination of Hexachlorobenzene**

Yeh, Daniel H., Georgia Institute of Technology, Atlanta; Pennell, Kurt D.; Pavlostathis, Spyros G.  
Environ Toxicol Chem v18, n7, p1408(9)  
Jul 99

**Health Effects of Chronic High Exposure to Hexachlorobenzene in a General Population Sample**

Sala, Maria, Universitat Autònoma de Barcelona, Barcelona, Spain; Sunyer, Jordi; Otero, Raquel; Santiago-Silva, Mary; Ozalla, Dolors; Herrero, Carme; To-Figueras, Jordi  
Arch Environ Health v54, n2, p102(8)  
Mar-Apr 99

**Tissue Distribution of Planar and Non-Planar Chlorobiphenyls, 4,4'-DDE and Hexachlorobenzene in Sheep and Lambs**

Jan, J., University of Ljubljana, Slovenia; Vrecl, M.; Pogacnik, A.; Bavdek, S. V.  
Chemosphere v38, n11, p2607(6)  
May 99

**Microbial Dechlorination of Hexachlorobenzene in Anaerobic Sewage Sludge**

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

**Thermogravimetric Study of Thermal Decontamination of Soils Polluted by Hexachlorobenzene, 4-Chlorobiphenyl, Naphthalene, or n-Decane**

Risoul, Veronique, Universite de Haute-Alsace, Mulhouse, France; Pichon, Claire; Trouve, Gwenaelle; Peters, William A.; Gilot, Patrick; Prado, Gilles  
J Hazard Mater v64, n3, p295(17)  
Feb 15, 99

**Hexachlorobenzene as a Possible Major Contributor to the Dioxin Activity of Human Milk**

van Birgelen, Angelique P. J. M., NIEHS, Research Triangle Park, NC  
Environ Health Perspec v106, n11, p683(6)  
Nov 98

**Sediment Toxicity Evaluation for Hexachlorobenzene: Spiked Sediment Tests with *Leptocheirus plumulosus*, *Hyaella azteca*, and *Chironomus tentans***

Fuchsman, P. C., McLaren/Hart-ChemRisk, Cleveland, OH; Barber, T. R.; Sheehan, P. J.  
Arch Environ Contam Toxicol v35, n4, p573(7)  
Nov 98

**Assessment of Metal Inhibition of Reductive Dechlorination of Hexachlorobenzene at a Superfund Site**

Jackson, W. Andrew; Pardue, John H., Louisiana State University, Baton Rouge  
Environ Toxicol Chem v17, n8, p1441(6)  
Aug 98

**Biotransformation of Hexachlorobenzene by Anaerobic Enriched Cultures**

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

**Effect of Tween Surfactants on the Microbial Reductive Dechlorination of Hexachlorobenzene**

Yeh, Daniel H., Georgia Institute of Technology, Atlanta; Pennell, Kurt D.; Pavlostathis, Spyros G.  
Bioremediation and Phytoremediation: Chlorinated and Recalcitrant Compounds (Battelle)  
p115(6)  
1998

**Short-Term Toxicity of Lindane, Hexachlorobenzene, and Copper Sulfate to Tubificid Sludgeworms (*Oligochaeta*) in Artificial Media**

Meller, Michael, ECT Oekotoxikologie GmbH, Florsheim, Germany; Egeler, P.; Rombke, J.; Schallnass, H.; Nagel, R.; Streit, B.  
Ecotoxicol Environ Saf v39, n1, p10(11)  
Jan 98

**Toxicity of Hexachlorobenzene to *Hyaella azteca* and *Chironomus tentans* in Spiked Sediment Bioassays**

Barber, Timothy R., ChemRisk, Cleveland, OH; Fuchsman, Phyllis C.; Chappie, Daniel J.; Sferra, James C.; Newton, F. Charles; Sheehan, Patrick J.  
Environ Toxicol Chem v16, n8, p1716(5)  
Aug 97

**Bioenhancement of Soil Microorganisms in Natural Surfactant Solutions. III. Effect of Hexachlorobenzene**

Kommalapati, Raghava R., (Louisiana State University, Baton Rouge); Roy, Dipak, (Polytechnic University, Brooklyn, NY)  
J Environ Sci Health-Environ Sci Eng Toxic Hazard Subst Control vA32, n6, p1763(17)  
1997



**The Effects of Hexachlorobenzene on Mink in the Canadian Environment: an Ecological Risk Assessment**

Moore, Dwayne R. J., Cadmus Group, Ottawa, ON, Canada; Breton, Roger L.; Lloyd, Karen  
Environ Toxicol Chem v16, n5, p1042(9)  
May 97

**Metabolism of Hexachlorobenzene in Humans: Association between Serum Levels and Urinary Metabolites in a Highly Exposed Population**

To-Figueras, Jordi, University of Barcelona, Spain; Sala, Maria; Otero, Raquel; Barrot, Carme;  
Santiago-Silva, Mary; Rodamilans, Miquel; Herrero, Carme  
Environ Health Perspec v105, n1, p78(6)  
Jan 97

**Surfactant Solubilization of Hydrophobic Compounds in Soil and Water-II. The Role of Dodecylsulphate-Soil Interactions for Hexachlorobenzene**

Paya-Perez, Ana B., EU Joint Research Center, Ispra, Italy; Rahman, Mohammed S.; Skejo-Andresen, Helle; Larsen, Bo R.  
Environ Sci Pollut Res Int v3, n4, p183(6)  
1996

**Transfer of Planar and Non-Planar Chlorobiphenyls, 4,4'-DDE and Hexachlorobenzene from Blood to Milk and to Suckling Infants**

Vrecl, M., University of Ljubljana, Slovenia; Jan, J.; Pogacnik, A.; Bavdek, S. V.  
Chemosphere v33, n11, p2341(6)  
Dec 96

**Bioaccumulation and Toxicity of Hexachlorobenzene in *Chlorella vulgaris* and *Daphnia magna***

Munoz, Maria J., CISA-INIA, Madrid, Spain; Ramos, Carmen; Tarazona, Jose V.  
Aquat Toxicol v35, n3-4, p211(10)  
Oct 96

**Evaluation of PCB and Hexachlorobenzene Biota-Sediment Accumulation Factors Based on Ingested Sediment in a Deposit-Feeding Clam**

Boese, Bruce L., EPA, Newport, OR; Lee, Henry, II; Specht, David T.; Pelletier, Judith; Randall, Robert  
Environ Toxicol Chem v15, n9, p1584(6)  
Sep 96

**Baseline Contamination Assessment for a New Resource Recovery Facility in Germany Part IV: Atmospheric Concentrations of Polychlorinated Biphenyls and Hexachlorobenzene**

Kaupp, Heike, University of Bayreuth, Germany; Dorr, Gisela; Hippelein, Martin; McLachlan, Michael S.; Hutzinger, Otto  
Chemosphere v32, n10, p2029(14)  
May 96

**Benzo(a)pyrene Hydroxylase and Glutathione S-Transferase Activities as Biomarkers in Lymnaea palustris (Mollusca, Gastropoda) Exposed to Atrazine and Hexachlorobenzene in Freshwater Mesocosms**

Baturo, Wojciech; Lagadic, Laurent, URA CNRS, Orsay, France  
Environ Toxicol Chem v15, n5, p771(11)  
May 96

**Effects of Colloids, Flocculation, Particle Size, and Organic Matter on the Adsorption of Hexachlorobenzene to Sediments**

Tye, Robert, University of California, Santa Barbara; Jepsen, Rich; Lick, Wilbert  
Environ Toxicol Chem v15, n5, p643(9)  
May 96

**Parameters Affecting the Adsorption of Hexachlorobenzene to Natural Sediments**

Jepsen, Rich, University of California, Santa Barbara; Borglin, Sharon; Lick, Wilbert;  
Swackhamer, Deborah L.  
Environ Toxicol Chem v14, n9, p1487(11)  
Sep 95

**Study of the Thermal Degradation of Hexachlorobenzene in the Presence of a Hydrogen Donor (CH<sub>4</sub>)**

El Mejdoub, N., (Universite Ibn Tofail, Kenitra, Morocco); Delfosse, L., (Ecole Nationale  
Superieure de Chimie de Mulhouse, France)  
Hazard Waste Hazard Mater v12, n2, p119(14)  
Spring 952qr

**Responses of Biotransformation and Antioxidant Enzymes in Lemna minor and Oncorhynchus mykiss Exposed Simultaneously to Hexachlorobenzene**

Roy, Sashwati, University of Kuopio, Finland; Lindstrom-Seppa, Pirjo; Huuskonen, Sirpa;  
Hanninen, Osmo  
Chemosphere v30, n8, p1489(10)  
Apr 95

**Comparative hepatocarcinogenicity of hexachlorobenzene, pentachlorobenzene, 1,2,4,5-tetrachlorobenzene, and 1,4-dichlorobenzene: Application of a medium-term liver focus bioassay and molecular and cellular indices.**

**Author:** Gustafson Daniel L; Long Michael E; Thomas Russell S; Benjamin Stephen A; Yang Raymond SH(a)  
**Author Address:** (a)Department of Environmental Health, Colorado State University, Fort Collins, CO, 80523-1680, USA  
**Journal:** Toxicological Sciences 53 ( 2 ): p 245-252 Feb., 2000

**CYP1A2 is essential in murine 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

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

### **Health effects assessment for mirex**

EPA working group

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

### **Mirex**

Anonymous

**Source:** Canadian water quality guidelines; 1987

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

NTP working group

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

### **Mirex**

WHO Working Group

**Source:** Environmental Health Criteria; 44; 1984; 70 p

**Mirex**

Anonymous

**Source:** IARC monographs on the Evaluation of the Carcinogenic risk of chemicals to humans; 20; 1979; 283-301

**Mirex**

Anonymous

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

**Risk of Intoxication with Sulfluramid in a Packing Plant of Mirex-S**

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

Bull Environ Contam Toxicol v62, n5, p515(5)

May 99

**Blood PCB, p,pmin-DDE, and Mirex Levels in Great Lakes Fish and Waterfowl Consumers In Two Ontario Communities**

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

Environ Res v80, n2 (Part 2), pS138(12)

Feb 99

**Salmonine Consumption as a Source of Mirex in Human Breast Milk Near Rochester, New York**

Madden, Anna B.; Makarewicz, Joseph C., SUNY Brockport, New York

J Gt Lakes Res v22, n4, p810(8)

1996

**Binding Effects on Humic-Mediated Photoreaction: Intrahumic Dechlorination of Mirex in Water**

Burns, Susan E., SUNY, Syracuse; Hassett, John P.; Rossi, Maura V.

Environ Sci Technol v30, n10, p2934(8)

Oct 96

**Modelling the Fate of PCBs and Mirex in Aquatic Ecosystems Using the TOXFATE Model**

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

Environ Int v21, n5, p557(13)

1995

**A Screening-Level Mass Balance Analysis of Mirex Transport and Fate in the Oswego River**

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

J Gt Lakes Res v21, n1, p95(17)

1995



**A Lake Ontario-Gulf of St. Lawrence Dynamic Mass Budget for Mirex**

Comba, Michael E., Natl Water Research Inst, ON, Canada; Norstrom, Ross J.; Macdonald, Colin R.; Kaiser, Klaus L. E.  
Environ Sci Technol v27, n10, p2198(9)  
Oct 93

**Uptake and Retention of Mirex by Fish Maintained on Formulated and Natural Diets in Lake Ontario Waters**

Makerewicz, Joseph C., State Univ of New York, Brockport; Buttner, Joseph K.; Lewis, Theodore W.  
Progr Fish-Culturist v55, n3, p163(6)  
Jul 93

**Mirex in the North American Great Lakes: New Detections and Their Confirmation**

Sergeant, David B., Canada Centre for Inland Waters, Burlington, ON; Munawar, Mohiuddin; Hodson, Peter V.; Bennie, Donald T.; Huestis, Susan Y.  
J Gt Lakes Res v19, n1, p145(13)  
1993

**Fugacity and Phase Distribution of Mirex in Oswego River and Lake Ontario Waters**

Yin, Chengqing, (Academia Sinica, Beijing, China); Hassett, John P., (SUNY, Syracuse)  
Chemosphere v19, n8-9, p1289(8)  
1989

**Upstream Transport of Mirex by Migrating Salmonids**

Scrudato, Ronald J.; McDowell, William H., SUNY, Oswego  
Can J Fish Aquat Sci v46, n9, p484(5)  
Sep 89

**Modeling of Mirex Loadings to the Bottom Sediments of Lake Ontario Within the Niagara River Plume**

Halfon, Efraim, Canada Centre for Inland Waters  
J Gt Lakes Res v13, n1, p18(6)  
1987

**Export of Mirex from Lake Ontario to the St. Lawrence Estuary**

Lum, Ken R., Natl Water Research Inst, Canada; Kaiser, Klaus L.; Comba, Mike E.  
Sci Total Environ v67, n1, p41(11)  
Nov 87

**The Human Body Burden of Mirex in the Southeastern United States**

Kutz, F.W., EPA, DC; Strassman, S.C.; Stroup, C.R.; Carra, J.S.; Leininger, C.C.; Watts, D.L.; Sparacino, C.M.  
J Toxicol Environ Health v15, n3-4, p385(10)  
1985

**Temperature Effect on the Elimination of Pentachlorophenol, Hexachlorobenzene and Mirex by Rainbow Trout (*Salmo Gairdneri*)**

Niimi, A.J., Canada Centre for Inland Waters, Canada; Palazzo, V.  
Water Res v19, n2, p205(3)  
1985

**Mirex Residues in Seven Groups of Aquatic and Terrestrial Mammals**

Hill, Edward P., Auburn Univ; Dent, Donald M.  
Arch Environ Contam Toxicol v14, n1, p7(6)  
Jan 85

**Levels of Polychlorinated Biphenyls (PCBs), DDE, and Mirex in Waterfowl Collected in New York State, 1981-1982**

Kim, Himi T., SUNY, Albany; Kim, Kihyun S.; Kim, Jai S.; Stone, Ward B.  
Arch Environ Contam Toxicol v14, n1, p13(6)  
Jan 85

**Blood PCB, p,p'-DDE, and mirex levels in Great Lakes fish and waterfowl consumers in two Ontario communities.**

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

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

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

**Author:** Meyer Sharon A; Moser Glenda J; Monteiro-Riviere Nancy A; Smart Robert C(a)

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

**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

p 102 1998

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

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

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

### **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

p 102 1998

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

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

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

**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

p 102 1998

**Book Publisher:** International Association for Great Lakes Research, Ann Arbor, Michigan, USA**Conference/Meeting:** Meeting Hamilton, Ontario, Canada May 18-22, 1998**Sponsor:** International Association for Great Lakes Research**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

p 101-102 1998

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

p 47-48 1998

**Book Publisher:** International Association for Great Lakes Research, Ann Arbor, Michigan, USA**Conference/Meeting:** Meeting Hamilton, Ontario, Canada May 18-22, 1998**Sponsor:** International Association for Great Lakes Research

**Source identification of toxaphene from profiles and patterns of chlorobornane congeners in sediment cores from large lakes.**

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

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

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

**Author Address:** (a)Freshwater Inst., Winnipeg, MB R3T 2N6, Canada  
p 43 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

**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

**Document Type:** Literature Review

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

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

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

**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

**Document Type:** Literature Review

**Toxicological profile for toxaphene**

Anonymous

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

**Health effects assessment for toxaphene**

EPA working group

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

**Chlorinated camphene**

Anonymous

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

**Toxaphene**

Anonymous

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

EPA working group

**Source:** Environmental Protection Agency; EPA 440/5-86-006; 1986; 74 p**Camphechlor**

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

**Sponsor:** American Chemical Society

**Air-water gas exchange of toxaphene and chiral pesticides in Lake Superior.**

**Author:** Jantunen Liisa(a); Harner Tom; Wideman Janine; Bidleman Terry; Parkhurst William

**Author Address:** (a)Atmospheric Environ. Serv., 4905 Dufferin Street, Downsview, ON M3H 5T4, Canada

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

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

**Sponsor:** American Chemical Society

**The use of a microsomal in vitro assay to study phase I biotransformation of chlorobornanes (toxaphene) in marine mammals and birds: Possible consequences of biotransformation for bioaccumulation and genotoxicity.**

**Author:** Boon Jan P(a); Sleiderink Hedwig M; Helle Merijn S; Dekker Marlen; Van Schanke Arne; Roex Erwin; Hillebrand M Theo J; Klamer Hans J C; Govers Bas; Pastor Delors; Morse Dennis; Wester Peter G; De Boer Jacob

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

**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,  
n6, p89(6)

1999

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

Shanks, Kathryn E., Indiana University, Bloomington; McDonald, Jeffrey G.; Hites, Ronald A.  
J Great Lakes Res v25, n2, p383(12)

1999

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

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

Chemosphere v39, n3, p519(8)

Aug 99

**Environmental Occurrence, Analysis, and Toxicology of Toxaphene Compounds**

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

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

Feb 99

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

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

J Soil Contam v8, n1, p63(18)

Jan 99

**Toxaphene in the Great Lakes**

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

Chemosphere v37, n9-12, p2545(17)

Oct-Nov 98

**HRGC-ECD and HRGC-ECNI-SIM-HRMS Quantification of Toxaphene Residues by Six Environmentally Relevant Chlorobornanes as Standard**

Kimmel, Lenka, Technical University of Munich, Freising-Weihenstephan, Germany;  
Angerhofer, Daniela; Gill, Udai; Coelhan, Mehmet; Parlar, Harun  
Chemosphere v37, n3, p549(10)  
Aug 98

**Levels of Toxaphene Indicator Compounds in Fish Meal, Fish Oil and Fish Feed**

Oetjen, Katrin; Karl, Horst, Federal Research Centre for Fisheries, Hamburg, Germany  
Chemosphere v37, n1, p1(11)  
Jul 98

**Trends of Chlordane and Toxaphene in Ambient Air of Columbia, South Carolina**

Bidleman, T. F., Atmospheric Environ Service, Downsview, ON, Canada; Alegria, H.; Ngabe, B.; Green, C.  
Atmos Environ v32, n11, p1849(8)  
Jun 98

**Congener Specific PCB and Polychlorinated Camphene (Toxaphene) Levels in Svalbard Ringed Seals (*Phoca hispida*) in Relation to Sex, Age, Condition, and Cytochrome P450 Enzyme Activity**

Wolkers, J., Akvaplan-niva, Tromso, Norway; Burkow, I. C.; Lydersen, C.; Dahle, S.;  
Monshouwer, M.; Witkamp, R. F.  
Sci Total Environ v216, n1-2, p1(11)  
May 14, 98

**PCB/Toxaphene Group Separation on Silica Prior to Congener Specific Determination of Toxaphene Residues in Fish and Other Samples By GC/ECD**

Krock, Bernd, Friedrich-Schiller-Universitat Jena, Germany; Vetter, Walter; Luckas, Bernd  
Chemosphere v35, n7, p1519(12)  
Oct 97

**Anaerobic Degradation of Toxaphene in Soils: a Pilot Study**

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

**Levels of Toxaphene Indicator Compounds in Fish**

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

**Toxaphene, PCB, DDT, and Chlordane Analyses of Beluga Whale Blubber**

Wade, Terry L., Texas A&M University, College Station; Chambers, Laura; Gardinali, Piero R.;  
Sericano, Jose L.; Jackson, Thomas J.; Tarpley, Raymond J.; Suydam, Robert  
Chemosphere v34, n5-7, p1351(7)  
Mar-Apr 97

**4,5-Dichloro-Chlordene, a New Synthetic Internal Standard for the Quantification of Toxaphene and Chlordane Congeners in Fish from the Barents Sea and North Atlantic. Application and Experience**

Karlsson, Heidi, Norwegian Institute for Air Research, Kjeller; Oehme, Michael; Klungsoyr, Jarle

Chemosphere v34, n5-7, p951(13)

Mar-Apr 97

**Effect of Toxaphene on Reproduction of Fish**

Fahraeus-Van Ree, Goverdina E., (Memorial University of Newfoundland, St. John's, Canada);

Payne, Jerry F., (Department of Fisheries and Oceans, St. John's, NF, Canada)

Chemosphere v34, n4, p855(13)

Feb 97

**Toxaphene in Great Lakes Fish: a Temporal, Spatial, and Trophic Study**

Glassmeyer, Susan T., Indiana University, Bloomington; De Vault, David S.; Myers, Tanya R.;

Hites, Ronald A.

Environ Sci Technol v31, n1, p84(5) Jan 97

**Formation and Spectroscopic Investigation of Two Hexachlorobornanes from Six Environmentally Relevant Toxaphene Components by Reductive Dechlorination in Soil Under Anaerobic Conditions**

Fingerling, Gerda, University of Kassel, Germany; Hertkorn, Norbert; Parlar, Harun

Environ Sci Technol v30, n10, p2984(9)

Oct 96

**Structure Elucidation of a Main Heptachloro Congener of Toxaphene in Marine Organisms After Isolation from Melipax**

Krock, Bernd, Friedrich-Schiller-Universitat, Jena, Germany; Vetter, Walter ; Luckas, Bernd; Scherer, Gerd

Chemosphere v33, n6, p1005(15)

Sep 96

**Characterization of Two Major Toxaphene Components in Treated Lake Sediment**

Stern, G. A., Freshwater Institute, Winnipeg, MB, Canada; Loewen, M. D.; Miskimmin, B. M.;

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

Environ Sci Technol v30, n7, p2251(8)

Jul 96

**Historical Input and Degradation of Toxaphene in Lake Ontario Sediment**

Howdeshell, Michael J.; Hites, Ronald A., Indiana University, Bloomington

Environ Sci Technol v30, n1, p220(5)

Jan 96

**Biodegradation of Toxaphene Under Methane Cometabolism and Denitrifying Conditions**

Merkley, Brian W., ESCM and Associates Inc, Athens, GA; Hess, Lance; Shaw, Edward A.;

Towe, Roger D.; Terry, Richard E.; Keith, Jeffrey D.; Mayo, Alan

Bioremediation of Recalcitrant Organics v7, p165(10)

1995

**A Systematic Nomenclature System for Toxaphene Congeners Part 1: Chlorinated Bornanes**

Andrews, Paul, (Health Canada, Ottawa, ON); Vetter, Walter, (Institut für Ernährung und Umwelt, Jena, Germany)

Chemosphere v31, n8, p3879(8)

Oct 95

**Chlorobornanes in Sediments and Fish 30 Years After Toxaphene Treatment of Lakes**

Miskimmin, Brenda M., University of Alberta, Edmonton, Canada; Muir, Derek C. G.; Schindler, David W.; Stern, Gary A.; Grift, Norbert P.

Environ Sci Technol v29, n10, p2490(6)

Oct 95

**Toxaphene (Polychlorinated Camphenes) Analysis in Human Blood**

Gill, U. S., Occupational and Environ Health Services, Ottawa, ON, Canada; Schwartz, H. M.; Wheatley, B.

Int J Environ Anal Chem v60, n2-4, p153(9) 1995

**Trends of chlordane and toxaphene in ambient air of Columbia, South Carolina.**

**Author:** Bidleman T F(a); Alegria H; Ngabe B; Green C

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

**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

**Chlorobornanes in water, sediment, and fish from toxaphene treated and untreated lakes in western Canada.**

**Author:** Donald David B(a); Stern Gary A; Muir Derek C G; Fowler Brian R; Miskimmin Brenda M; Bailey Renata

**Author Address:** (a)Environment Canada, Room 300 Park Plaza, 2365 Albert Street, Regina, SK S4P 4K1, Canada

**Journal:** Environmental Science & Technology 32 ( 10 ): p 1391-1397 May 15, 1998

**Congener specific PCB and polychlorinated camphene (toxaphene) levels in Svalbard ringed seals (*Phoca hispida*) in relation to sex, age, condition and cytochrome P450 enzyme activity.**

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

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

**Journal:** Science of the Total Environment 216 ( 1-2 ): p 1-11 May 14, 1998

**Aroclor 1268 and toxaphene in fish from a southeastern U.S. estuary.**

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

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

**Journal:** Environmental Science & Technology 32 ( 8 ): p 1069-1075 April 15, 1998

**High Concentrations of Toxaphene in Fishes from a Subarctic Lake**

Kidd, Karen A., University of Alberta, Edmonton, Canada; Schindler, David W.; Muir, Derek C.; Lockhart, W. L.; Hesslein, Raymond H.

Science v269, n5221, p240(3)

Jul 14, 95

**Toxaphene and Other Organochlorine Compounds in Air and Water at Resolute Bay, N.W.T., Canada**

Bidleman, Terry F., Atmospheric Environ Service, Downsview, ON, Canada; Falconer, R. L.; Walla, Michael D.

Sci Total Environ v160-161, p55(9)

Jan 15, 95

**HRGC-ECD and HRGC-ECNI-SIM-HRMS quantification of toxaphene residues by six environmentally relevant chlorobornanes as standard.**

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

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

**Journal:** Chemosphere 37 ( 3 ): p 549-558 Aug., 1998



## 9 HEPTACHLOR

### **Heptachlor and Heptachlor Epoxide**

Anonymous

**Source:** ACGIH. Documentation of the threshold limit values and biological exposure indices; 6th ed., suppl. 1996; 1991; 8 p

### **Health effects assessment for heptachlor**

EPA working group

**Source:** Environmental protection agency; EPA/600/8-88/042; 1987; 47 p

### **Chlordane/heptachlor (Group 3)**

Anonymous

**Source:** IARC Monographs on the evaluation of the carcinogenic risk of chemicals to humans; Suppl. 7; 1987; 146-8

### **Heptachlor epoxide**

Anonymous

**Source:** Canadian water quality guidelines; 1987

### **Heptachlor**

Anonymous

**Source:** Canadian water quality guidelines; 1987

### **Ambient water quality criteria for heptachlor**

EPA working group

**Source:** Environmental Protection Agency; EPA 440/5-80-052; 1980

### **Heptachlor**

FAO and WHO working groups

**Source:** Pesticide residues in food - 1991. Toxicology evaluations; 1992; 241-63

### **Heptachlor**

WHO working group

**Source:** Environmental Health Criteria; 38; 1984; 81 p

### **Heptachlor**

FAO and WHO working groups

**Source:** Pesticide residues in food. Toxicology evaluations; 111; 1991; 68-71

### **Chlordane and heptachlor**

IARC working group

**Source:** IARC Monographs on the evaluation of the carcinogenic risk of chemicals to humans; 53; 1991; 115-75

**Bioassay of Heptachlor for Possible Carcinogenicity**

NCI Working Group

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

Anonymous

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

Anonymous

**Source:** IARC monographs on the Evaluation of the Carcinogenic risk of chemicals to humans; 20; 1979; 129-54**Ecological Toxicology And Human Health Effects Of Heptachlor****Author:** Fendick E A; Mather-Mihaich E; Houck K A; St Clair M B; Faust J B; Rockwell C H; Owens M**Author Address:** Integrated Program In Toxicol., Duke Univ., Durham, N.C. 27710.**Journal:** Ware, G. W. (Ed.). Reviews Of Environmental Contamination And Toxicology, Vol. 111. Continuation Of Residue Reviews. Ix+147p. Springer-Verlag: New York, New York, USA; Berlin, West Germany. ILLUS. ISBN 0-387-97159-9; ISBN 3-540-97159-9. 0 (0). 1990. 61-142.**Record Type:** Review**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**Residues of the organochlorine compounds lindane, heptachlor, aldrin, pp'DDE, pp'DDD y pp'DDT were determined in leaves of two species of mangrove (Rhizophora mangle and Avicennia germinans) from the Cienaga Grande de Santa Marta.****Author:** Espinosa Luisa F(a); Campos Nestor H; Ramirez Gustavo(a)**Author Address:** (a)INVEMAR, Apartado 1016, Santa Marta, Colombia**Journal:** Caldasia 20 ( 1 ): p 44-56 May, 1998**Language:** Spanish; Non-English**Summary Language:** Spanish; English**Behavioral and neurochemical actions of the insecticide heptachlor and their relation to environmentally-induced parkinsonism.****uthor:** Kirby M L; Bloomquist J R**Author Address:** Dep. Entomology, Virginia Polytechnic Inst. and State Univ., Blacksburg, VA 24061, USA**Journal:** Society for Neuroscience Abstracts 23 ( 1-2 ): p 1936 1997**Conference/Meeting:** 27th Annual Meeting of the Society for Neuroscience New Orleans, Louisiana, USA October 25-30, 1997

**Inhibition of gap junctional intercellular communication in heptachlor- and heptachlor epoxide-treated normal human breast epithelial cells.**

**Author:** Nomata K; Kang K-S; Hayashi T; Matesic D; Lockwood L; Chang C C; Trosko J E (a)

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

**Journal:** Cell Biology and Toxicology 12 ( 2 ): p 69-78 1996

**Detection of DNA adducts in declining hop plants grown on fields formerly treated with heptachlor, a persistent insecticide.**

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

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

**Journal:** Environmental Pollution 90 ( 3 ): p 409-414 1995

**Structures and environmental significance of heptachlor epoxide isomers.**

**Author:** Donnelly Joseph R; Sovocool G Wayne; Titus Richard L

**Author Address:** Lockheed Environmental Systems and Technologies Co., 980 Kelly Johnson Dr., Las Vegas, NV 89119, USA

**Journal:** Journal of AOAC International 76 ( 5 ): p 1092-1097 1993

**The efficacy of mineral oil combined with feed restriction in enhancing the elimination of heptachlor epoxide from mink (*Mustela vison*).**

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

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

**Journal:** Archives of Environmental Contamination and Toxicology 26 ( 3 ): p 374-380 1994

**Chlordane/heptachlor neurotoxicity.**

**Author:** Sherman J D

**Author Address:** Alexandria, VA, USA

**Journal:** Neuroepidemiology 12 ( 2 ): p 130 1993

**Conference/Meeting:** Annual Meeting of the World Federation of Neurology Research Group on Neuroepidemiology New York, New York, USA April 30, 1993

**The reproductive effects of dietary heptachlor in mink (*Mustela vison*).**

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

**Author Address:** (a)Dep. Animal Sci., Institute Environmental Toxicol., Michigan State Univ., East Lansing, Michigan, USA

**Journal:** Archives of Environmental Contamination and Toxicology 24 ( 2 ): p 156-164 1993

**Effect Of Crop Rotation On The Persistence And Absorption Of Heptachlor**

**Author:** Shivankar V J; Kavadia V S

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

**Journal:** Crop Res (Hisar) 5 (1). 1992. 134-140.

**Effects Of Heptachlor On Allobophora-Caliginosa**

**Author:** Falco L B; Momo F R

**Author Address:** Univ. Nacional De Lujan, Dep. Basic Sciences Ecology, Cc 221 6700 Lujan/Argentina.

**Journal:** Rev Bras Biol 51 (3). 1991. 681-684.

**Exposure Of Applicators And Residents To Chlordane And Heptachlor When Used For Subterranean Termite Control**

**Author:** Kamble S T; Ogg C L; Gold R E; Vance A D

**Author Address:** 101 Nrh, Environ. Programs, Univ. Nebraska, Lincoln, Ne 68583-0818.

**Journal:** Arch Environ Contam Toxicol 22 (3). 1992. 253-259.

**Modulation by the insecticides heptachlor and chlordane of the cell-mediated immune proliferative responses of rhesus monkeys**

**Author:** Chuang L F; LIU Y; KILLAM K JR; CHUANG R Y

**Author Address:** DEP. MED. PHARMACOLOGY TOXICOLOGY, UNIV. CALIF., DAVIS, CALIF. 95616, USA.

**Journal:** IN VIVO (ATHENS) 6 (1). 1992. 29-32.

**Heptachlor heptachlor epoxide and other chlordane compounds in finnish plywood workers**

**Author:** Mussalo-Rauhamaa h; pyysalo h; antervo k

**Author Address:** DEP. PUBLIC HEALTH, UNIV. HELSINKI, HELSINKI.

**Journal:** ARCH ENVIRON HEALTH 46 (6). 1991. 340-346.

**Effect of heptachlor on selected biochemical aspects in the functionally different muscles of channa-punctatus**

**Author:** Baigh M A; Joseph K V; Rao K J

**Author Address:** Div. Toxicol., Dep. OF ZOOL., S.V. UNIV., TIRUPATI-517 502, INDIA.

**Journal:** J ENVIRON BIOL 12 (4). 1991. 341-346.

**Application of biological data in cancer risk estimations of chlordane and heptachlor**

**Author:** Adeshina F; Todd E L

**Author Address:** INT. TECHNOL. CORP., 2790 MOSSIDE BLVD., MONROEVILLE, PA. 15146.

**Journal:** REGUL TOXICOL PHARMACOL 14 (1). 1991. 59-77.

**Induction of differentiation in human myeloblastic leukemia ml-1 cells by heptachlor a chlorinated hydrocarbon insecticide**

**Author:** CHUANG L F; HINTON D E; CHEUNG A T W; CHUANG R Y

**Author Address:** DEP. MED. PHARMACOL., UNIV. CALIFORNIA, DAVIS, CALIFORNIA 95616.

**Journal:** TOXICOL APPL PHARMACOL 109 (1). 1991. 98-107.

**Effect Of Temperature And Humidity On The Degradation Of Heptachlor Residues In Clay Loam Soil**

**Author:** Shivankar V J; Kavadia V S

**Author Address:** Indian Grass Fodder Res. Inst., Jhansi, 284001.

**Journal:** Indian J Entomol 51 (2). 1989 (1990). 205-210.

**Heptachlor Induces Differentiation In Human Myeloblastic Leukemia MI-1 Cells**

**Author:** Chuang R Y; Cheung A T W; Chuang L F

**Author Address:** Univ. Calif., Davis, Calif. 95616.

**Journal:** 81st Annual Meeting Of The American Association For Cancer Research, Washington, D.C., USA, May 23-26, 1990. Proc Am Assoc Cancer Res Annu Meet 31 (0). 1990. 85.

**Oxidative Dehydrochlorination Of Heptachlor By Daphnia-Magna**

**Author:** Feroz M; Podowski A A; Khan M A Q

**Author Address:** Dep. Biological Sci., Univ. Illinois At Chicago, P.O. Box 4348, Chicago, Ill. 60680.

**Journal:** Pestic Biochem Physiol 36 (2). 1990. 101-105.

**Enzyme Activity Ratios Of Fish Muscles On Sublethal Exposure To Heptachlor**

**Author:** Baig M A; Joseph K V; Rao K J

**Author Address:** Dep. Zool., Sri Venkateswara Univ., Tirupati 517 502, India.

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

**Representative Soil from Balcarce, Argentina, Under Natural Environmental Conditions.**

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

J Environ Biol v19, n1, p1(7)

1998

**The Reproductive Effects of Dietary Heptachlor in Mink (*Mustela vison*)**

Crum, J. A., Michigan State Univ, Lansing; Bursian, S. J.; Aulerich, R. J.; Polin, D.; Braselton, W. E.

Arch Environ Contam Toxicol v24, n2, p156(9)

Feb 93

**Exposure of Applicators and Residents to Chlordane and Heptachlor When Used for Subterranean Termite Control**

Kamble, Shripat T., Univ of Nebraska, Lincoln; Ogg, Clyde L.; Gold, Roger E.; Vance, Arthur D.

Arch Environ Contam Toxicol v22, n3, p253(7)

Apr 92

**Heptachlor, Heptachlor Epoxide, and Other Chlordane Compounds in Finnish Plywood Workers**

Mussalo-Rauhamaa, Helena, Univ of Helsinki, Finland; Pyysalo, Heikki; Antervo, Kaija

Arch Environ Health v46, n6, p340(7)

Nov-Dec 91

**Effect of Heptachlor on Selected Biochemical Aspects in the Functionally Different Muscles of *Channa punctatus***

Baigh, Azahar, S. V. Univ, Tirupati, India; Joseph, K. Vijay; Rao, K. Jayantha

J Environ Biol v12, n4, p341(5)

Oct 91

**Subacute Toxicity of Dietary Heptachlor to Mink (*Mustela Vison*)**

Aulerich, R. J., Michigan State Univ, East Lansing; Bursian, S. J.; Napolitano, A. C.  
Arch Environ Contam Toxicol v19, n6, p913(4)  
Nov-Dec 90

**Long-Term Persistence of Dieldrin, DDT, and Heptachlor Epoxide in Earthworms**

Beyer, W. Nelson; Krynitsky, Alexander J.  
Ambio v18, n5, p271(3)  
1989

**The Efficacy of Mineral Oil Combined with Feed Restriction in Enhancing the Elimination of Heptachlor Epoxide from Mink (*Mustela vison*)**

Crum, J. A., Michigan State University, East Lansing; Aulerich, R. J.; Polin, D.; Braselton, W. E.; Bursian, S. J.  
Arch Environ Contam Toxicol v26, n3, p374(7)  
Apr 94

## 10 POLYCHLORINATED BIPHENYLS

### **Dioxins. Polychlorinated dibenzo-p-dioxins, dibenzofurans and dioxin-like polychlorinated biphenyls**

Dutch Expert Committee on Occupational Standards (DECOS)

**Source:** Health Council of the Netherlands (Gezondheidsraad); 1996/10 E; 1996; 104 p

### **Toxicological profile for Polychlorinated Biphenyls**

Anonymous

**Source:** Agency for Toxic Substances and Disease Registry U.S. Public Health Service; 1994; 429 p

### **Scientific documentation on the Dutch list of occupational carcinogens (II). Polychlorinated biphenyls**

Dutch Expert Committee on Occupational Standards

**Source:** Ministry of Social Affairs and Employment; RA 2/95; 1995; 188-92

### **Health effects assessment for polychlorinated biphenyls (PCBs)**

EPA working group

**Source:** Environmental protection agency; EPA/540/1-86/004; 1984; 66 p

### **Polychlorinated biphenyls (Group 2A)**

Anonymous

**Source:** IARC Monographs on the evaluation of the carcinogenic risk of chemicals to humans; Suppl. 7; 1987; 322-6

### **Polychlorinated biphenyls and terphenyls (Second edition)**

WHO working group

**Source:** Environmental Health Criteria; 140; 1993; 682 p

### **Risk assessment of Polychlorinated biphenyls (PCBs)**

Nordic expert group; Ahlborg UG; Hanberg A; Kenne K

**Source:** Nord; 26; 1992; 99 p

### **Polychlorinated biphenyls (PCBs)**

Anonymous

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

### **Ambient water quality criteria for polychlorinated biphenyls**

EPA working group

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

**Chlorierte biphenyle (PCB)**

Anonymous

**Source:** Toxikologisch-arbeitsmedizinische Begründung von MAK-Werten (Maximale Arbeitsplatz-Konzentrationen); 1977; 28 p**Language:** GERMAN**Occupational exposure to polychlorinated biphenyls (PCBs)**

NIOSH Working Group

**Source:** Criteria for a Recommended Standard; NIOSH 77-225; 1977; 224 p**Polychlorinated biphenyls and terphenyls**

WHO Working Group

**Source:** Environmental Health Criteria; 2; 1976; 85 p**Polychlorinated biphenyls**

Anonymous

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

Anonymous

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

IARC Working Group

**Source:** IARC monographs on the Evaluation of the Carcinogenic risk of chemicals to humans; 18; 1978; 1-140**Structure and function of biphenyl/polychlorinated biphenyl(PCB) degradation genes in a gram-positive bacterium *Rhodococcus* sp. RHA1.****Book Title:** Microbial diversity and genetics of biodegradation**Author:** Masai Eiji(a); Yamada Akihiro(a); Sugiyama Katsumi(a); Iwashita Naoko(a); 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

p 153-163 1996

**Book Publisher:** CRC Press, Inc., Boca Raton, Florida, USA

CRC Press, London, England, UK

**Document Type:** Book**Isolation and characterization of diverse polychlorinated biphenyl(PCB)/biphenyl-degrading gram-positive bacteria.****Book Title:** Microbial diversity and genetics of biodegradation**Author:** Kudo Toshiaki; Maeda Michihisa; Fuji Fumie; Chung Seon-Yong; Hasegawa Yuki; Eun Son; Yoshida Yuriko**Book Author/Editor:** Horikoshi K; Fukuda M; Kudo T: Eds**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, Fakultaet 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)

Dec 15, 99

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

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

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

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

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

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

**PCB Cleanup Levels and the "Mega-Rule"...Clarification or Confusion**  
Walka, Richard M.; Veith, Brian M., William F. Cosulich Associates, Woodbury, NY  
Environ Regul Permit v9, n1, p35(7)  
Autumn 99

**Polychlorinated Biphenyl Mixture (Aroclors) Inhibit LPS-Induced Murine Splenocyte Proliferation in Vitro**  
Stack, Allison Schulze, Medical University of South Carolina, Charleston; Altman-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

Environ Toxicol Chem v18, n11, p2595(5)

Nov 99

**Polychlorinated Biphenyls and 2,3,7,8-Tetrachlorodibenzo-p-Dioxin Equivalents in Tree Swallows from the Upper Hudson River, New York State, USA**

Secord, Anne L., FWS, Cortland, NY; McCarty, John P.; Echols, Kathy R.; Meadows, John C.; Gale, Robert W.; Tillitt, Donald E.

Environ Toxicol Chem v18, n11, p2519(7)

Nov 99

**Effects of Polychlorinated Biphenyl 126 on Green Frog (*Rana clamitans*) and Leopard Frog (*Rana pipiens*) Hatching Success, Development, and Metamorphosis**

Rosenshield, Michele Laura, University of Wisconsin, Madison; Jofre, Mariana Beatriz; Karasov, William Henry

Environ Toxicol Chem v18, n11, p2478(9)

Nov 99

**Chloracne, Goiter, Arthritis, and Anemia After Polychlorinated Biphenyl Poisoning: 14-Year Follow-Up of the Taiwan Yucheng Cohort**

Guo, Yueliang Leon, National Cheng Kung University Medical College, Tainan, Taiwan; Yu, Mei-Lin; Hsu, Chen-Chin; Rogan, Walter J.

Environ Health Perspec v107, n9, p715(5)

Sep 99

**Comparison of PCB and DDT Distribution Between Water-Column and Sediment-Dwelling Bivalves in Arcachon Bay, France**

Thompson, S., University of Bordeaux I, Talence, France; Budzinski, H.; Garrigues, P.; Narbonne, J. F.

Mar Pollut Bull v38, n8, p655(8)

Aug 99

**The Fate and Persistence of Polychlorinated Biphenyls in Soil**

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

J Environ Monitor v1, n4, p395(7)

Aug 99

**In Situ Measurement of PCB Availability in Unsaturated Soils**

McNamara, Sean; Luthy, Richard G., Carnegie Mellon University, Pittsburgh, PA

Bioremediation of Nitroaromatic and Haloaromatic Compounds (Battelle) v5, n7, p241(6)

1999

**Computer Model for Prediction of PCB Dechlorination and Biodegradation Endpoints**

Klasson, K. Thomas, (Oak Ridge National Laboratory, TN); Just, Eric M., (Northwestern University, Evanston, IL)

Bioremediation of Nitroaromatic and Haloaromatic Compounds (Battelle) v5, n7, p185(6)  
1999

**Polychlorinated Biphenyls Transformation by Bioaugmentation in Solid Culture**

Fernandez-Sanchez, Jose Manuel, CINVESTAV-IPN, Mexico; Ruiz-Aguilar, Graciela; Rodriguez-Vazquez, Refugio

Bioremediation of Nitroaromatic and Haloaromatic Compounds (Battelle) v5, n7, p173(6)  
1999

**Bioavailability, Estrogenicity, and Toxicity of Surfactant-PCB Mixtures After Biodegradation and Photolysis**

Sanseverino, John, University of Tennessee, Knoxville; Menn, Fu-Min; Gregory, Betsy; Layton, Alice; Sampsel, Eric; Shi, Zhou; Ghosh, Mriganka

Bioremediation of Nitroaromatic and Haloaromatic Compounds (Battelle) v5, n7, p155(6)  
1999

**Isolation and Identification of Microorganisms from a Soil Mixed Culture Aerobically Degrading Polychlorinated Biphenyls**

Rojas-Avelizapa, N. G., CINVESTAV del IPN, Mexico; Rodriguez-Vazquez, R.; Martinez-Cruz, J.; Poggi-Varaldo, H. M.

Bioremediation of Nitroaromatic and Haloaromatic Compounds (Battelle) v5, n7, p149(6)  
1999

**Soil-Plant Transfer of Polychlorinated Biphenyls in Paddy Fields**

Chu, Shaogang, Chinese Academy of Sciences, Beijing; Cai, Meilin; Xu, Xiaobai

Sci Total Environ v234, n1-3, p119(8)  
Aug 30, 99

## 11 PCDDs AND PCDFs

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

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

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

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

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

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

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

Anonymous

**Source:** Canadian water quality guidelines; Appendix X; 1992; 1-9**Organotin compounds**

Anonymous

**Source:** Canadian water quality guidelines; 1987**Tributyltin compounds**

WHO working group

**Source:** Environmental Health Criteria(116); 1990; 273 p**Organotin compounds in the aquatic environment: Scientific criteria for assessing their effects on environmental quality**

Thompson JAJ; Sheffer MG;Pierce RC; Chau YK; Cooney JJ ; Cullen WR; Maguire RJ

**Source:** National Research Council Canada; NRCC No 22494; 1985; 284 p**Tin and organotin compounds**

WHO Working Group

**Source:** Environmental Health Criteria; 15; 1980; 1-109**Actin modifications and calcium homoeostasis in neurotoxicity: The case of organotin salts.****Author:** Marinovich M; Viviani B; Galli C L**Author Address:** Lab. Toxicol., Inst. Pharmacol. Sci., Univ. Milan, via Balzaretti 9, 20133 Milan, Italy**Journal:** Toxicology In Vitro 11 ( 5 ): p 499-503 Oct., 1997**Document Type:** 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, Tojocho 8-34, Tennoji-ku, Osa, Japan**Journal:** Environmental Pollution 105 ( 1 ): p 1-7 1999**Levels of organotin compounds in burbot (*Lota lota*) from Norwegian lakes.****Author:** Folsvik Norunn(a); Brevik Einar Magne**Author Address:** (a)Norw. Inst. Water Res., P.O. Box 173 Kjelsas, N-0411 Oslo, Norway**Journal:** HRC Journal of High Resolution Chromatography 22 ( 3 ): p 177-180 March, 1999**Inhibition of glutathione S-transferase catalyzed xenobiotic detoxication by organotin compounds in tropical marine fish tissues.****Author:** Al-Ghais S M(a); Ali B**Author Address:** (a)Mar. Environ. Res. Cent., Environ. Res. Wildl. Dev. Agency, Post Office Box 5553, Abu Dhabi, Un, United Arab Emirates**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, Università 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

**Accumulation of organotin compounds in the common whelk *Buccinum undatum* and the red whelk *Neptunea antiqua* in association with imposex.**

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

**Author Address:** (a)LimnoMar, Bei der Neuen Muenze 11, D-22145 Hamburg, Germany

**Journal:** Marine Ecology Progress Series 152 ( 1-3 ): p 197-203 June 26, 1997

**The effects of organotin compounds on growth, respiration rate, and chlorophyll a content of *Scenedesmus quadricauda*.**

**Author:** Fargasova A

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

**Journal:** Ecotoxicology and Environmental Safety 37 ( 3 ): p 193-198 1997

**Effect of organotin compounds on trout hemoglobins.**

**Author:** Santroni Anna Maria; Fedeli Donatella; Gabbianelli Rosita; Zolese Giovanna; Falcioni Giancarlo(a)

**Author Address:** (a)Dep. M.C.A. Biol., Univ. Camerino, Via Camerini 2, 62032 Camerino, Italy

**Journal:** Biochemical and Biophysical Research Communications 238 ( 2 ): p 301-304 1997

**Organotin compounds and polychlorinated biphenyls of livers in squid collected from coastal waters and open oceans.**

**Author:** Yamada Hisashi(a); Takayanagi Kazufumi; Tateishi Masahiro; Tagata Hajime; Ikeda Kumiko

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

**Journal:** Environmental Pollution 96 ( 2 ): p 217-226 1997

**A synergistic effect of select organotin compounds and ionic surfactants on liposome membranes.**

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

**Author Address:** (a)Dep. Physics Biophysics, Agric. Univ., Norwida 25. 50-375 Wroclaw, Poland

**Journal:** Applied Organometallic Chemistry 11 ( 7 ): p 591-600 1997

**Organotin leachates in drinking water from chlorinated poly(vinyl chloride) (CPVC) pipe.**

**Author:** Forsyth D S(a); Jay B

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

**Journal:** Applied Organometallic Chemistry 11 ( 7 ): p 51-8 1997

**Occurrence of organotin compounds in the Canadian aquatic environment five years after the regulation of antifouling uses of tributyltin.**

**Author:** Chau Y K; Maguire R J; Brown M; Yang F; Batchelor S P

**Author Address:** National Water Res. Inst., Environment Canada, Canada Cent. Inland Waters, 867 Lakeshore Rd., Burlin, Canada

**Journal:** Water Quality Research Journal of Canada 32 ( 3 ): p 453-521 1997

**Organotin monitoring in the southern Gulf of St. Lawrence.**

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

**Author Address:** (a)Dep. Fisheries Oceans, Gulf Fisheries Centre, P.O. Box 5030, Moncton, NB E1C 9B6, Canada

**Journal:** Canadian Technical Report of Fisheries and Aquatic Sciences 0 ( 2163 ): p 56-57 1997

**Conference/Meeting:** Conference of the Green Plan Toxic Chemicals Programs Ottawa, Ontario, Canada January 28-31, 1997

**Organotin contamination and related imposex studies in southern BC coastal waters.**

**Author:** Thompson J A J

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

**Journal:** Canadian Technical Report of Fisheries and Aquatic Sciences 0 ( 2163 ): p 46-47 1997

**Conference/Meeting:** Conference of the Green Plan Toxic Chemicals Programs Ottawa, Ontario, Canada January 28-31, 1997

**The effect of organotin compounds on the permeability of model biological membranes.**

**Author:** Cullen William R(a); Herring F Geoffrey; Nwata Basil U

**Author Address:** (a)Environ. Chem. Group, Dep. Chem., Univ. B.C., Vancouver, BC V6T 1Z1, Canada

**Journal:** Applied Organometallic Chemistry 11 ( 5 ): p 369-379 1997

**Biological indicators used to map organotin contamination from a fishing port, Killybegs, Ireland.**

**Author:** Minchin Dan(a); Bauer Barbara; Oehlmann Joerg; Schulte-Oehlmann Ulrick; Duggan Colm B

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

**Journal:** Marine Pollution Bulletin 34 ( 4 ): p 235-243 1997

**Imposex in sea snails, caused by organotin (tributyltin and triphenyltin) pollution in Japan: A survey.**

**Author:** Horiguchi Toshihiro(a); Shiraishi Hiroaki(a); Shimizu Makoto; Morita Masatoshi(a)  
**Author Address:** (a)Natl. Inst. Environ. Studies, 16-2 Onogawa, Tsukuba, Ibaraki 305, Japan  
**Journal:** Applied Organometallic Chemistry 11 ( 5 ): p 451-455 1997

**Role of hydrophobic and hydrophilic interactions of organotin and organolead compounds with model lipid membranes.**

**Author:** Gabrielska Janina(a); Sarapuk Janusz; Przystalski Stanislaw  
**Author Address:** (a)Dep. Phys. Biophys., Agric. Univ., Norwida 25, 50-375 Wroclaw, Poland  
**Journal:** Zeitschrift fuer Naturforschung Section C Journal of Biosciences 52 ( 3-4 ): p 209-216 1997

**In vivo and in vitro genotoxicities of organotin pesticides.**

**Author:** Wei L Y; Chao J S; Hong C C  
**Author Address:** National Lab. Animal Breeding, Res. Cent., National Science Council, Taipei, Taiwan  
**Journal:** Environmental and Molecular Mutagenesis 29 ( SUPPL. 28 ): p 55 1997  
**Conference/Meeting:** 28th Annual Meeting of the Environmental Mutagen Society  
Minneapolis, Minnesota, USA April 19-23, 1997

**Effects of triphenyltin chloride and five other organotin compounds on the development of imposex in the rock shell, Thais clavigera.**

**Author:** Horiguchi Toshihiro(a); Shiraishi Hiroaki; Shimizu Makoto; Morita Masatoshi  
**Author Address:** (a)Environ. Chemistry Div., Natl. Inst. Environ. Studies, 16-2 Onogawa, Tsukuba, Ibaraki 305, Japan  
**Journal:** Environmental Pollution 95 ( 1 ): p 85-91 1997

**Survey of organotin compounds in the Western Mediterranean using molluscs and fish as sentinel organisms.**

**Author:** Morcillo Y; Borghi V; Porte C(a)  
**Author Address:** (a)Dep. Environ. Chem., Cent. Invest. Desarrollo, Consejo Superior Invest. Cientificas, C/Jordi Gir, Spain  
**Journal:** Archives of Environmental Contamination and Toxicology 32 ( 2 ): p 198-203 1997

**Interaction of organotin and organolead compounds with model membranes.**

**Author:** Przystalski S; Sarapuk J; Gabrielska J; Kleszczynska H; Hladyszowski J  
**Author Address:** Dep. Phys. Biophys., Agr. Univ., Wroclaw, Poland  
**Journal:** Progress in Biophysics and Molecular Biology 65 ( SUPPL. 1 ): p 221 1996  
**Conference/Meeting:** XIIth International Biophysics Congress Amsterdam, Netherlands  
August 1-16, 1996

**Correlation of coordination geometries and stability factors in organotin(IV) derivatives of 4-acylpyrazol-5-onates with their fungicidal (mycelial control) and insecticidal (topical toxicity, larvicidal and ovicidal) activities.**

**Author:** Omotowa B Ayo(a); Mesubi M Adediran  
**Author Address:** (a)Dep. Chem., Univ. Ilorin, P.M.B. 1515, Ilorin, Nigeria  
**Journal:** Applied Organometallic Chemistry 11 ( 1 ): p 1-10 1997



**Acute toxic effects of organotin compounds on benthic organisms: Tubifex tubifex and Chironomus plumosus.**

**Author:** Fargasova Agata(a); Kizlink Juraj

**Author Address:** (a)Slovak Technical Univ., Faculty Chemical Technology, Dep. Environmental Sciences, Radlinskeho 9., Slovakia

**Journal:** Biologia (Bratislava) 51 ( 6 ): p 677-681 1996

**Comparison of the effectiveness of various organotin compounds with 2-thiocyanomethylthiobenzothiazoles as anti-fungal and anti-mould wood preservatives.**

**Author:** Kizlink Juraj; Fargasova Agata(a); Reinprecht Ladislav

**Author Address:** (a)Slovak Technical Univ., Faculty Chemical Technology, Dep. Environmental Sciences, Radlinskeho 9., Slovakia

**Journal:** Biologia (Bratislava) 51 ( 6 ): p 671-675 1996

**Quantitative structure-activity relationship study for toxicity of organotin compounds on algae.**

**Author:** Huang G; Sun H(a); Dai S

**Author Address:** (a)Dep. Environ. Sci., Nankai Univ., Tianjin 300071, China

**Journal:** Bulletin of Environmental Contamination and Toxicology 58 ( 2 ): p 299-304 1997

**Toxicity of organotin compounds on embryos of a marine invertebrate (Styela plicata: Tunicata).**

**Author:** Cima Francesca(a); Ballarin Loriano; Bressa Giuliano; Martinucci Gianbruno; Burighel Paolo

**Author Address:** (a)Dep. Biol., Univ. Padova, via Trieste 75, 35100 Padova, Italy

**Journal:** Ecotoxicology and Environmental Safety 35 ( 2 ): p 174-182 1996

**Chemical species of organotin compounds in seawater and their seasonal variations.**

**Author:** Suzuki Takashi(a); Yamada Hisashi; Yamamoto Isao; Nishimura Kazuhiko; Kondo Kazunari; Murayama Mitsunori; Uchiyama Mitsuru

**Author Address:** (a)Div. Food, Natl. Inst. Health Sci., 18-1 Kamiyoga 1-chome, Setagaya-ku, Tokyo 158, Japan

**Journal:** Journal of Agricultural and Food Chemistry 44 ( 12 ): p 3989-3995 1996

**Determination of organotin compounds in the foodweb of a shallow freshwater lake in the Netherlands.**

**Author:** Stab J A(a); Traas T P; Stroomberg G; Van Kesteren J; Leonards P; Van Hattum B; Brinkman U A T; Cofino W P

**Author Address:** (a)Dune Water Works, P.O. Box 34, 2270 AA Voorburg, Netherlands

**Journal:** Archives of Environmental Contamination and Toxicology 31 ( 3 ): p 319-328 1996

**Organotin toxicity in primary glial cell culture.**

**Author:** Hardy V C; Sobolik R; Eyer C L

**Author Address:** Dep. Pharmaceutical Sciences, Univ. Montana, Missoula, MT 59812-1075, USA

**Journal:** Society for Neuroscience Abstracts 22 ( 1-3 ): p 1923 1996

**Conference/Meeting:** 26th Annual Meeting of the Society for Neuroscience Washington, D.C., USA November 16-21, 1996

**Effect of organotin compounds on the growth of the freshwater alga *Scenedesmus quadricauda*.**

**Author:** Fargasova Agata(a); Kizlink Juraj

**Author Address:** (a)Dep. Environ. Sci., Slovak Tech. Univ., Fac. Chem. Technol., Radlinskeho 9, 812 37 Bratislava, Slovakia

**Journal:** *Ecotoxicology and Environmental Safety* 34 ( 2 ): p 156-159 1996

**Toxic effects of organotin species on algae.**

**Author:** Huang Guolan; Dai Shugui; Sun Hongwen

**Author Address:** Dep. Environ. Sci., Nankai Univ., Tianjin 300071, China

**Journal:** *Applied Organometallic Chemistry* 10 ( 5 ): p 377-387 1996

**Inhibitive effect of organotin compounds on the chlorophyll content of the green freshwater alga *Scenedesmus quadricauda*.**

**Author:** Fargasova A

**Author Address:** Slovak Technical Univ., Fac. Chemical Technology, Dep. Environ. Sci., Radlinskeho 9, 812 37 Bratislava, Slovakia

**Journal:** *Bulletin of Environmental Contamination and Toxicology* 57 ( 1 ): p 99-106 1996

**Changes in organotin concentrations of water, sediments and mussels in the Atlantic region from 1988 to 1994.**

**Author:** Ernst W R; Hennigar P; Julien G; Hanson J

**Author Address:** Environment Canada, Environment Protection Branch, Dartmouth, NS B2Y 2N6, Canada

**Journal:** *Canadian Technical Report of Fisheries and Aquatic Sciences* 0 ( 2093 ): p 145-146 1996

**Conference/Meeting:** 22nd Annual Aquatic Toxicity Workshop St. Andrews, New Brunswick, Canada October 2-4, 1995

**Organotin compounds in municipal wastewater and sewage sludge: Contamination, fate in treatment process and ecotoxicological consequences.**

**Author:** Fent Karl

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

**Journal:** *Science of the Total Environment* 185 ( 1-3 ): p 151-159 1996

**Respirometric toxicity test: Freshwater alga *Scenedesmus quadricauda* sensitivity to organotin compounds.**

**Author:** Fargasova A(a); Drtil M

**Author Address:** (a)Dep. Environ. Sci., Fac. Chem. Technol., Slovak Technical Univ., Radlinskeho 9, 812 37 Bratislava, Slovakia

**Journal:** *Bulletin of Environmental Contamination and Toxicology* 56 ( 6 ): p 993-999 1996

**Speciation of organotin compounds in fish samples.**

**Author:** Shawky S; Emons H; Duerbeck H W

**Author Address:** Res. Cent. Juelich, Inst. Applied Physical Chemistry, D-52425 Juelich, Germany

**Journal:** *Analytical Communications* 33 ( 3 ): p 107-110 1996

**Biological indicators used to map organotin contamination in Cork Harbour, Ireland.**

**Author:** Minchin Dan(a); Stroben Eberhard; Oehlmann Jorg; Bauer Barbara; Duggan Colm B(a); Keatinge Michael(a)

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

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

**Acute effect of organotin compounds to Red Sea bream and red carp using biological parameters.**

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

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

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

**ISSN:** 0007-4861

**The distribution of organotin compounds in the north-eastern Mediterranean.**

**Author:** Kubilay Nilgun; Yemenicioglu Semal; Tugrul Suleyman; Salihoglu Ilkay

**Author Address:** METU-Inst. Marine Sci., PO Box 28, 33731 Erdemli ICEL, Turkey

**Journal:** Marine Pollution Bulletin 32 ( 2 ): p 238-240 1996

**Determination of toxicity of organotin compounds on root growth of Sinapis alba seeds.**

**Author:** Fargasova Agata; Kizlink Juraj

**Author Address:** Dep. Environmental Sci., Slovak Technical Univ., Fac. Chem. Technol., adlinskeho 9, SK-812 37 Brati, Slovakia

**Journal:** Biologia (Bratislava) 50 ( 6 ): p 601-604 1995

**Effect of organotin compounds on membrane lipids: Fluorescence spectroscopy studies.**

**Author:** Ambrosini Annarina(a); Bertoli Enrico; Zolese Giovanna

**Author Address:** (a)Ist. Biochim., Fac. Med. Chirurgia, Univ. degli Studi Ancona, Italy

**Journal:** Applied Organometallic Chemistry 10 ( 1 ): p 53-59 1996

**Differential effects of organotin compounds on voltage-gated potassium currents in lymphocytes and neuroblastoma cells.**

**Author:** Oortgiesen Marga(a); Visser Erwin; Vijverberg Henk P M; Seinen W

**Author Address:** (a)Res. Inst. Toxicol., Utrecht Univ., Yalelaan 2, P.O. Box 80 176, 3508 TD Utrecht, Netherlands

**Journal:** Naunyn-Schmiedeberg's Archives of Pharmacology 353 ( 2 ): p 136-143 1996

**Breakage of lambda-DNA by inorganic tin and organotin compounds as environmental pollutants.**

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

**Author Address:** (a)Nagoya City Public Health Res. Inst., 1-11 Higayama-cho, Mizuho-ku, Nagoya 467, Japan

**Journal:** Applied Organometallic Chemistry 9 ( 8 ): p 693-697 1995

**Survey of nine organotin compounds in the Netherlands using the zebra mussel (*Dreissena polymorpha*) as biomonitor.**

**Author:** Stab Joan A(a); Freriks Michel Vv Frenayo L; Brinkman Udo A T; Cofino Wim P  
**Author Address:** (a)Inst. Environmental Studies, Free Univ., De Boelalaan 1115, 1081 HV Amsterdam, Netherlands

**Journal:** Environmental Toxicology and Chemistry 14 ( 12 ): p 2023-2032 1995

**Laboratory and field investigations on the effects of organotin (tributyltin) on the oyster, *Ostrea edulis*.**

**Author:** Axiak V(a); Sammut M; Chircop P; Vella A; Mintoff B

**Author Address:** (a)Marine Ecotoxicol. Lab., Dep. Biol., Univ. Malta, Msida, Malta

**Journal:** Science of the Total Environment 171 ( 1-3 ): p 117-120 1995

**Cytotoxicity in vitro of organotin compounds to fish hepatoma cells PLHC-1 (*Poeciliopsis lucida*).**

**Author:** Brueschweiler Beat J; Wuergler Friedrich E; Fent Karl

**Author Address:** Swiss Federal Inst. Environmental Sci. Technol., Uberlandstrasse 133, CH-8600 Dubendorf, Switzerland

**Journal:** Aquatic Toxicology (Amsterdam) 32 ( 2-3 ): p 143-160 1995

**Estimation of the hemolytic effects of various organotin compounds by structure-activity relationships.**

**Author:** Hamasaki Tetsuo(a); Masumoto Hideki; Sato Takahiko; Nagase Hisamitsu; Kito Hideaki; Yoshioka Yoshitada

**Author Address:** (a)Nagoya City Public Health Res. Inst., 1-11 Hagiya-cho, Mizuho-ku, Nagoya City 467, Japan

**Journal:** Applied Organometallic Chemistry 9 ( 2 ): p 95-104 1995

**The thymus atrophy-inducing organotin compound DBTC inhibits the binding of thymocytes to thymic epithelial cells.**

**Author:** Pieters Raymond H H(a); Albers Ruud(a); Bleumink Rob(a); Snoeij Niek J; Itoh Tsunetoshi; Seinen Willem(a); Penninks Andre H(a)

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

**Journal:** International Journal of Immunopharmacology 17 ( 4 ): p 329-337 1995

**Organotin compounds induce calcium overload and apoptosis in PC12 cells.**

**Author:** Viviani B; Rossi A D; Chow S C; Nicotera P(a)

**Author Address:** (a)Inst. Environ. Med., Div. Toxicol., Karolinska Inst., P.O. Box 210, 171-77, Stockholm, Sweden

**Journal:** Neurotoxicology (Little Rock) 16 ( 1 ): p 19-26 1995

**Speciation of organotin compounds in environmental matrices.**

**Author:** Morabito Roberto

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

**Journal:** Microchemical Journal 51 ( 1-2 ): p 198-206 1995

**In vitro antiproliferative effects, toxicity profiles in vivo in mice and antitumor activity in tumour-bearing mice of five organotin compounds.**

**Author:** Gielen Marcel(a); Willem Rudolph; Bouhdid Abdeslam; De Vos Dick; Kuiper C M ; Veerman G; Peters G J

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

**Journal:** *In Vivo (Attiki)* 9 ( 1 ): p 59-63 1995

**Acid extraction treatment of sediment samples for organotin speciation; occurrence of butyltin and phenyltin compounds on the Cadiz Coast, South-West Spain.**

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

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

**Journal:** *Applied Organometallic Chemistry* 9 ( 1 ): p 51-64 1995

**Effects of salinity, pH and temperature on aqueous solubility of four organotin compounds.**

**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

**Journal:** *Water Research* 29 ( 5 ): p 1415-1417 1995

**Source of organotin at a marine water/sediment interface: A field study.**

**Author:** Stuer-Lauridsen F(a); Dahl B

**Author Address:** (a)Natl. Environ. Res. Inst., Dep. Environ. Chem., Frederiksborgvej 399, P. O. Box 358, DK-4000 Ros, Denmark

**Journal:** *Chemosphere* 30 ( 5 ): p 831-845 1995

**Occurrence of organotin compounds in water and biota from Alexandria Harbours.**

**Author:** Abd-Allah Aly M A

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

**Journal:** *Chemosphere* 30 ( 4 ): p 707-715 1995

**Speziesanalytik von zinnorganischen Verbindungen zur Aufklaerung ihrer Biopfade in der aquatischen Umwelt. (Species analysis of organotin compounds to investigate their pathway in the aquatic environment)**

( Diss )

Kuballa, J.

GKSS-Forschungszentrum Geesthacht GmbH (Germany). Technische Univ. Hamburg-Harburg, Hamburg (Germany). Promotionsausschuss.

**Report Number:** GKSS-97/E/31

1997 155p

**Language:** German Document Type: Thesis

U.S. Sales Only. Product reproduced from digital image. Order this product from NTIS by: phone at 1-800-553-NTIS (U.S. customers); (703)605-6000 (other countries); fax at (703)321-8547; and email at orders@ntis.fedworld.gov. NTIS is located at 5285 Port Royal Road, Springfield, VA, 22161, USA.

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

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

Wasser Boden p30(3)

Sep 98

**Language:** German, English abstract

**Organotin compounds and their interactions with microorganisms**

White, J.S.; Tobin, J.M.; Cooney, J.J.

Canadian Journal of Microbiology/Revue Canadienne de Microbiologie VOL. 45, NO. 7 , pp. 541-554 , **Publication Year:** 19990700

SUMMARY LANGUAGE - ENGLISH

**Effect of organotin compounds on trout hemoglobins.**

Santroni, A. M.; Fedeli, D.; Gabbianelli, R.; Zolese, G.; Falcioni, G.

Department of M.C.A. Biology, University of Camerino, Via Camerini, 2, 62032 Camerino, MC, Italy.

Biochemical and Biophysical Research Communications vol. 238 ( 2 ): p.301-304

**Publication Year:** 1997

**Comparison of in vitro submitochondrial particle and Microtox (R) assays for determining the toxicity of organotin compounds.**

Argese, E.; Bettiol, C.; Ghirardini, A. V.; Fasolo, M.; Giurin, G.; Ghetti, P. F.

**EMAIL:** argese@unive.it

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

**Source:** Environmental Toxicology and Chemistry , 1998 VOL. 17, NO. 6 (June) , 1005

**Publication Year:** 1998

**Organotin levels in seafood**

Belfroid A.C.; Purperhart M.; Ariese F.

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

Marine Pollution Bulletin ( MAR. POLLUT. BULL. ) ( United Kingdom ) 2000 , 40/3 (226-232)

**Stability of model membranes in the presence of organotin compounds**

SARAPUK J; KLESZCZYNSKA H; PRZESTALSKI S

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

**Journal:** Applied organometallic chemistry, 2000, 14 (1) 40-47

## 13 ORGANIC MERCURY

### **Mercury Study Report to Congress. Volume 5. Health Effects of Mercury and Mercury Compounds**

Hassett-Sipple, B. ; Swartout, J. ; Schoeny, R.

Environmental Protection Agency, Research Triangle Park, NC. Office of Air Quality Planning and Standards.

**Report Number:** EPA/452/R-97/007

Dec 97 366p

### **Pollution And Harbour Porpoises In The Eastern North Atlantic A Review**

Aguilar A; Borrell A

**Source:** Bjorge, A. And G. P. Donovan (Ed.). Report Of The International Whaling Commission Special Issue, 16. Biology Of The Phocoenids: A Collection Of Papers. X+552p. International Whaling Commission: Cambridge, England, UK. ISBN 0-906975-29-8.; 0 (16). 1995. 231-242.

**Coden:** Risie

### **Mercury and mercury compounds**

Anonymous

**Source:** IARC Monographs on the evaluation of the carcinogenic risk of chemicals to humans; 58; 1993; 239-345

### **Toxicological profile for mercury**

Anonymous

**Source:** Agency for Toxic Substances and Disease Registry U.S. Public Health Service; ATSDR/TP-89/16; 1989; 164 p

### **Mercury - environmental aspects**

WHO Working group

**Source:** Environmental Health Criteria(86); 1989; 115 p

### **Basic toxicology of pesticides.**

**Author:** Costa Lucio G

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

**Journal:** Occupational Medicine (Philadelphia) 12 ( 2 ): p 251-268 1997

**ISSN:** 0885-114X

**Document Type:** Literature Review

### **Human health effects of environmental mercury exposure.**

Institute of Community Health, Odense University, 5000 Odense, Denmark.

Environmental Research, Section A vol. 77 ( 2 ): p.67-178

**Publication Year:** 1998

**Editors:** Grandjean, P.

**Document Type:** Conference proceedings

**Human health and health of the Adriatic Sea.**

**Author:** Serman Drasko; Peruzovic Marijana; Herman Cedomil; Serman Alan(a)

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

**Journal:** Acta Medica Croatica 46 ( 4-5 ): p 229-236 1992

**Document Type:** Literature Review

**Toxicity of mercury**

Langford N.J.; Ferner R.E.

N.J. Langford, Ctr. Adverse Drug Reaction Reporting, City Hospital, Dudley Road, Birmingham B18 7QH United Kingdom

Journal of Human Hypertension ( J. HUM. HYPERTENS. ) ( United Kingdom ) 1999 , 13/10 (651-656)

**Human exposure to mercury: a critical assessment of the evidence of adverse health effects.**

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

**Corporate Source:** Cancer Centre , Michigan State Univ. , A128 East Fee Hall, East Lansing, MI 48824-1316 , USA

**Journal:** J. Toxicol. Environ. Health , ( Journal of Toxicology and Environmental Health ), Volume 49 , Issue 3 , Page 221-270

**Publication Date:** 25 Oct 1996 ( 961025 )

**Organochlorines and heavy metals in pregnant women from the Disko Bay area in Greenland.**

**Author:** Bjerregaard Peter(a); Hansen Jens C

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

**Journal:** Science of the Total Environment 245 ( 1-3 ): p 195-202 Jan. 17, 2000

**The effects of inorganic and organic mercury on antioxidant status in the dually perfused human term placenta.**

**Author:** Seiler K(a); Schroeder S(a); Schleussner E(a); Kluss S(a); Winnefeld K; Seewald H-J(a)

**Author Address:** (a)Dept. Obstet., Friedrich-Schiller-University, Jena, Germany

**Journal:** Placenta 20 ( 5-6 ): p A61 July-Aug., 1999

**Conference/Meeting:** 5th Conference of the International Federation of Placenta Associations and the 8th Meeting of the European Placenta Group Schladming, Austria September 26-29, 1999

**Fatal poisoning from liquid dimethylmercury: A neuropathologic study.**

**Author:** Siegler Richard W(a); Nierenberg David W; Hickey William F

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

**Journal:** Human Pathology 30 ( 6 ): p 720-723 June, 1999

**Toxicity of organic and inorganic mercury to *Saccharomyces cerevisiae*.**

**Author:** Kungolos Athanassios; Aoyama Isao(a); Muramoto S

**Author Address:** (a)Laboratory of Ecological Chemistry, Research Institute for Bioresources, Okayama University, 2-2, Japan

**Journal:** Ecotoxicology and Environmental Safety 43 ( 2 ): p 149-155 June, 1999



**Autometallographic mercury correlates with degenerative changes in dorsal root ganglia of rats intoxicated with organic mercury.**

**Author:** Schionning Jorgen Drasbaek(a); Danscher Gorm

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

**Journal:** APMIS 107 ( 3 ): p 303-310 March, 1999

**Retention of methyl mercury and inorganic mercury in rainbow trout *Oncorhynchus mykiss* (W): Effect of dietary selenium.**

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

**Author Address:** (a)Aquatic Biology Group, Institute of Biology, Odense University, Campusvej 55, DK-5230, Odense M, Denmark

**Journal:** Aquatic Toxicology (Amsterdam) 45 ( 2-3 ): p 171-180 April, 1999

**Reproductive performance of two generations of female semidomesticated mink fed diets containing organic mercury contaminated freshwater fish.**

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

**Author Address:** Univ. Montreal, Fac. Vet. Med., C.P.5000 St-Hyacinthe, PQ J2S 7C6, Canada

**Journal:** Archives of Environmental Contamination and Toxicology 36 ( 2 ): p 221-226 Feb., 1999

**Preliminary evidence of neurotoxicity associated with eating fish from the Upper St. Lawrence River Lakes.**

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

**Author Address:** (a)Cent. l'Etudes Interactions Biologiques Sante Environnement, Univ. Quebec Montreal, CP 8888, suc, Canada

**Journal:** Neurotoxicology (Little Rock) 19 ( 4-5 ): p 691-702 Aug.-Oct., 1998

**Consumption of fatty fish from the Baltic Sea and PCB in whole venous blood, plasma and cord blood from delivering women in the Aland/Turku Archipelago.**

**Author:** Hagmar Lars(a); Becher Georg; Heikkila Anne; Frankman Olle; Dyremark Eva; Schutz Andrejs; Ahlberg Ulf G; Dybing Erik

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

**Journal:** Journal of Toxicology and Environmental Health Part A 53 ( 8 ): p 581-591 April 24, 1998

**Selective involvement of large motor neurons in the spinal cord of rats treated with methylmercury.**

**Author:** Su Mu; Wakabayashi Koichi; Kakita Akiyoshi; Ikuta Fusahiro; Takahashi Hitoshi

**Author Address:** Dep. Pathol., Brain Res. Inst., Niigata Univ., 1 Asahimachi, Niigata 951-8585, Japan

**Journal:** Journal of the Neurological Sciences 156 ( 1 ): p 12-17 March 17, 1998

**Organic mercury determination in fish samples using an automatic mercury analyser.**

**Author:** Scerbo R; Barghigiani C(a)

**Author Address:** (a)CNR Inst. Biophys., Via San Lorenzo 26, 56100 Pisa, Italy

**Journal:** Environmental Technology 19 ( 3 ): p 339-342 March, 1998

**Percent methylmercury and organic mercury in tissues of marine mammals and fish using different experimental and calculation methods.**

**Author:** Wagemann Rudolf(a); Trebacz Ewa; Hunt Robert; Boila Gail

**Author Address:** (a)Dep. Fish. Oceans, Central Arctic Region, Freshwater Inst., 501 University Crescent, Winnipeg, M, Canada

**Journal:** Environmental Toxicology and Chemistry 16 ( 9 ): p 1859-1866 1997

**Evaluation of the protective role of melatonin against organic mercury-induced developmental toxicity in mice.**

**Author:** Esparza J L; Colomina M T; Domingo J L(a); Corbella J

**Author Address:** (a)Lab. Toxicol. Environ. Health, Sch. Med., San Lorenzo 21, E-43201 Reus, Spain

**Journal:** Trace Elements and Electrolytes 14 ( 3 ): p 134-139 1997

**Ecotoxicological and pathological studies of common guillemots *Uria aalge* beached on the Belgian coast during six successive wintering periods (1989-90 to 1994-95).**

**Author:** Debacker V(a); Holsbeek L; Tapia G; Gobert S(a); Joiris C R; Jauniaux T; Coignoul F; Bouquegneau J-M(a)

**Author Address:** (a)Oceanol. Dep., Univ. Liege, B6 Sart Tilman, B-4000 Liege, Belgium

**Journal:** Diseases of Aquatic Organisms 29 ( 3 ): p 159-168 1997

**Total and organic mercury in the starfish *Ctenodiscus crispatus* and polychaete *Maldanes sarsi* from the Barents Sea.**

**Author:** Ali I B; Joiris C R(a); Holsbeek L

**Author Address:** (a)Lab. Ecotoxicol. Polar Ecol., Free Univ. Brussels, Pleinlaan 2, B-1050 Brussels, Belgium

**Journal:** Science of the Total Environment 201 ( 3 ): p 189-194 1997

**Representation of the visual field in the striate cortex: Comparison of MR findings with visual field deficits in organic mercury poisoning (Minamata disease).**

**Author:** Korogi Yukunori(a); Takahashi Mutsumasa; Hirai Toshinori; Ikushima Ichiro; Kitajima Mika; Sugahara Takeshi; Shigematsu Yoshinori; Okajima Toru; Mukuno Kazuo

**Author Address:** (a)Dep. Radiol., Kumamoto Univ. Sch. Med., 1-1-1, Honjo, Kumamoto City 860, Japan

**Journal:** AJNR 18 ( 6 ): p 1127-1130 1997

**Biological monitoring for mercury within a community with soil and fish contamination.**

**Author:** Harnly Martha(a); Seidel Sharon; Rojas Primitivo; Fornes Raymond; Flessel Peter ; Smith Daniel; Kreutzer Richard; Goldman Lynn

**Author Address:** (a)Environmental Health Investigations Branch, California Dep. Health Services, 151 Berkeley Way, A, USA

**Journal:** Environmental Health Perspectives 105 ( 4 ): p 424-429 1997

**The effect of selenium on the localization of autometallographic mercury in dorsal root ganglia of rats.**

**Author:** Schionning J D(a); Eide R; Ernst E(a); Danscher G(a); Moller-Madsen B(a)

**Author Address:** (a)Dep. Neurobiol., Inst. Anatomy, Univ. Aarhus, DK-800 Aarhus C, Denmark

**Journal:** Histochemical Journal 29 ( 3 ): p 183-191 1997

**Effect of ethanol pretreatment on mercury distribution in organs of fetal guinea pigs following in utero exposure to mercury vapor.****Author:** Yoshida Minoru(a); Satoh Hiroshi; Sumi Yawara**Author Address:** (a)Dep. Chem., St. Marianna Univ. Sch. Med., 2-16-1 Sugao, Miyamae-ku, Hawasaki 216, Japan**Journal:** Toxicology 119 ( 3 ): p 193-201 1997**Interaction of mercury compounds with muscarinic receptor subtypes in the rat brain.****Author:** Castoldi Anna F; Candura Stefano M; Costa Paola; Manzo Luigi; Costa Lucio G(a)**Author Address:** (a)Dep. Environ. Health, Box 354695, Univ. Washington, Seattle, WA 98195, USA**Journal:** Neurotoxicology (Little Rock) 17 ( 3-4 ): p 735-741 1996**Embryotoxicity of nine seed mordants in the chick embryo: The CHEST method.****Author:** Peterka M(a); Tucek M; Vesely D**Author Address:** (a)Dep. Teratol., Inst. Experimental Med., Academy Sci. Czech Republic, Videnska 1083, CZ-14220 Pra, Czech Republic**Journal:** Acta Veterinaria Brno 65 ( 3 ): p 213-217 1996**Comparison of the developmental effects of two mercury compounds on glial cells and neurons in aggregate cultures of rat telencephalon.****Author:** Monnet-Tschudi Florianne(a); Zurich Marie-Gabrielle; Honegger Paul**Author Address:** (a)Inst. Physiology, Univ. Lausanne, Rue du Bugnon 7, CH-1005 Lausanne, Switzerland**Journal:** Brain Research 741 ( 1-2 ): p 52-59 1996**Total and organic mercury in Greenland and Barents Seas demersal fish.****Author:** Joiris C R(a); Ali I B; Holsbeek L; Kanuya-Kinoti M; Tekele-Michael Y**Author Address:** (a)Lab. Ecotoxicol. Polar Ecol., Free Univ. Brussels, Pleinlaan 2, B-1050 Brussels, Belgium**Journal:** Bulletin of Environmental Contamination and Toxicology 58 ( 1 ): p 101-107 1997**Hepatotoxic effects of SH-reagents in human and rat hepatocyte cultures and in situ perfused rat livers.****Author:** Boot J H**Author Address:** c/o Irisstraat 68, 3434 HN Nieuwegein, Netherlands**Journal:** Cell Structure and Function 21 ( 4 ): p 221-229 1996**Occupational health monitoring practices of registered mercury-using workplaces within Gauteng.****Author:** Weiner R(a); Ross M**Author Address:** (a)Dep. Community Health, Univ. Witwatersrand, Johannesburg, South Africa**Journal:** SAMJ (South African Medical Journal) 86 ( 8 ): p 943-946 1996

**Organic mercury exposure among the Yanomama of Roraima, Brazil.**

**Author:** Sing K(a); Hryhorczuk D; Saffirio G; Sinks T; Paschal D; Sorenson J; Chen E

**Author Address:** (a)Univ. Wisconsin, Madison, WI, USA

**Journal:** Journal of Toxicology Clinical Toxicology 34 ( 5 ): p 588-589 1996

**Conference/Meeting:** 1996 Annual Meeting of the North American Congress of Clinical Toxicology Portland, Oregon, USA October 10-15, 1996

**Effect of mercuric chloride intoxication and dimercaprol treatment on delta-aminolevulinatase dehydratase from brain, liver and kidney of adult mice.**

**Author:** Emanuelli T; Rocha J B T(a); Pereira M E; Porciuncula L O; Morsch V M; Martins A F; Souza D O G

**Author Address:** (a)Dep. Chem., Santa Maria Federal Univ., Univ. Campus-Camobi, 97119-900 Santa Maria, RS, Brazil

**Journal:** Pharmacology & Toxicology 79 ( 3 ): p 136-143 1996

**Relations between pesticides and reproduction. Short survey.**

**Author:** Varnagy Laszlo

**Author Address:** PATE, Keszthely, Georgikon Mezogazdasag-tudomanyi Kar, Novenyvedelmi Intezet, Agrarkemiai Higienye Ta, Hungary

**Journal:** Magyar Allatorvosok Lapja 51 ( 7 ): p 421-423 1996

**Language:** Hungarian; Non-English **Summary Language:** Hungarian; English

**Total and inorganic mercury in breast milk and blood in relation to fish consumption and amalgam fillings in lactating women.**

**Author:** Oskarsson Agneta(a); Schuetz Andrejs; Skerfving Staffan; Hallen Ira Palminger; Ohlin Birgit; Lagerkvist Birgitta Json

**Author Address:** (a)Dep. Food Hygiene, Swedish Univ. Agricultural Sci., P.O. Box 7009, S-750 07 Uppsala, Sweden

**Journal:** Archives of Environmental Health 51 ( 3 ): p 234-241 1996

**ISSN:** 0003-9896

**Voltage-activated calcium channel currents of rat DRG neurons are reduced by mercuric chloride (HgCl<sub>2</sub>) and methylmercury (CH<sub>3</sub>HgCl).**

**Author:** Leonhardt R; Pekel M; Platt B; Haas H L; Buesselberg D(a)

**Author Address:** (a)Inst. Physiologie II, Hufelandstr. 5, 45122 Essen, Germany

**Journal:** Neurotoxicology (Little Rock) 17 ( 1 ): p 85-91 1996

**Cerebellar degeneration and apoptosis in organic mercury intoxication.**

**Author:** Fujii Yukiko; Shimizu Kazuko; Nukuzuma Souichi; Tsukamoto Tetsu; Nagashima Kazuo

**Author Address:** Dep. Pathol., Hokkaido Univ. Sch. Med., Sapporo, Japan

**Journal:** Acta Histochemica et Cytochemica 28 ( 5 ): p 482 1995

**Conference/Meeting:** 36th Annual Meeting of the Japan Society of Histochemistry and Cytochemistry Sapporo, Japan September 9-10, 1995

**Total and organic mercury concentrations in offshore crustaceans of the Ligurian Sea and their relations to the trophic levels.**

**Author:** Minganti V(a); Capelli R; De Pellegrini R; Relini L Orsi; Relini G

**Author Address:** (a)Ist. Analisi Tecnologie Farmaceutiche Alimentari, Univ. Genova, Via Brigata Salerno, 16147 Genov, Italy

**Journal:** Science of the Total Environment 184 ( 3 ): p 149-162 1996

**Effects of acute exposure to mercury chloride and methylmercury on plasma cortisol, T3, T4, glucose and liver glycogen in rainbow trout (Oncorhynchus mykiss).**

**Author:** Bleau H; Daniel C; Chevalier G; Van Tra H; Hontela A(a)

**Author Address:** (a)Dep. Sci. Biologiques, Lab. TOXEN, Univ. Quebec Montreal, C.P. 8888, Succ. A. Montreal, PQ H3C 3, Canada

**Journal:** Aquatic Toxicology (Amsterdam) 34 ( 3 ): p 221-235 1996

**Neurologic features of chronic Minamata disease (organic mercury poisoning) certified at autopsy.**

**Author:** Uchino Makoto(a); Okajima Toru; Eto Komyo; Kumamoto Toshihide; Mishima Isao; Ando Masayuki

**Author Address:** (a)First Dep. Intern. Med., Kumamoto Univ. Sch. Med., 1-1-1 Honjo, Kumamoto 860 , Japan

**Journal:** Internal Medicine (Tokyo) 34 ( 8 ): p 744-747 1995

**The biological monitoring of mercury in the Seychelles study.**

**Author:** Cernichiari Elsa(a); Toribara Taft Y; Liang Lian; Marsh David O; Berlin Maths W ; Myers Gary J; Cox Christopher; Shamlaye Conrad F; Choisy Octavie; Davidson Philip; Clarkson Thomas W

**Author Address:** (a)Department Environmental Medicine, Box EHSC, University Rochester School Medicine, Rochester, NY, USA

**Journal:** Neurotoxicology (Little Rock) 16 ( 4 ): p 613-627 1995

**Assessment of the protective activity of monoisoamyl meso-2,3-dimercaptosuccinate against methylmercury-induced maternal and embryo/fetal toxicity in mice.**

**Author:** Belles Montserrat; Sanchez Domenec J; Gomez Mercedes; Domingo Jose L(a); Jones Mark M; Singh Pramod K

**Author Address:** (a)Lab. Toxicol. Biochem., Sch. Med., 'Rovira, Virgili' Univ., San Lorenzo 21, Reus 43201, Spain

**Journal:** Toxicology 106 ( 1-3 ): p 93-97 1996

**Inorganic and organic mercury differently affect central muscarinic receptor binding and enteric cholinergic transmission.**

**Author:** Castoldi F(a); Candura S M(a); Messori E(a); Tonini M(a); Costa L G; Manzo L(a)

**Author Address:** (a)Toxicol. Unit, Clin. Lavoro Found., Univ. Pavia, Pavia, Italy

**Journal:** Neurotoxicology (Little Rock) 16 ( 3 ): p 551-552 1995

**Conference/Meeting:** Fifth Meeting of the International Neurotoxicology Association Port Ludlow, Washington, USA June 25-30, 1995

**Oral lichenoid lesions, mercury hypersensitivity and combined hypersensitivity to mercury and other metals: Histologically-proven reproduction of the reaction by patch testing with metal salts.**

**Author:** Koch Patrick(a); Bahmer Friedrich A

**Author Address:** (a)Hautklin. der Univ. Saarlandes, D-66421 Homburg/Saar, Germany

**Journal:** Contact Dermatitis 33 ( 5 ): p 323-328 1995

**Total and organic mercury in Barents Sea pelagic fish.**

**Author:** Joiris C R(a); Ali I B; Holsbeek L; Bossicart M; Tapia G

**Author Address:** (a)Lab. Ecotoxicol. Polar Ecol., Free Univ. Brussels (VUB), Pleinlaan, 2, B-1050 Brussels, Belgium

**Journal:** Bulletin of Environmental Contamination and Toxicology 55 ( 5 ): p 674-681 1995

**Quantitative and qualitative distribution of mercury in organs from Arctic sledgedogs: An atomic absorption spectrophotometric and histochemical study of tissue samples from natural long-termed high dietary organic mercury-exposed dogs from Thule, Greenland.**

**Author:** Hansen Jens C(a); Danscher Gorm

**Author Address:** (a)Cent. Arctic Med. Res., Univ. Aarhus, Build. 180, DK-8000 Aarhus C, Denmark

**Journal:** Pharmacology & Toxicology 77 ( 3 ): p 189-195 1995

**Neurologic features of chronic Minamata disease (organic mercury poisoning) and incidence of complications with aging.**

**Author:** Uchino Makoto(a); Tanaka Yoshiya(a); Ando Yukio(a); Yonehara Toshiro(a); Hara Akio(a); Mishima sao; Okajima Toru; Ando Masayuki(a)

**Author Address:** (a)First Dep. Internal Med., Kumamoto Univ. Sch. Med., 1-1-1 Honjo, Kumamoto 860, Japan

**Journal:** Journal of Environmental Science and Health Part B Pesticides Food Contaminants and Agricultural Wastes 30 ( 5 ): p 699-715 1995

**Structural preservation of cerebellar granule cells following neurointoxication with methyl mercury: A stereological study of the rat cerebellum.**

**Author:** Overgaard Larsen Jytte(a); Braendgaard Hans

**Author Address:** (a)Stereological Res. Lab., Inst. Experimental Clinical Res., Univ. Inst. Pathology, Bartholin Buil, Denmark

**Journal:** Acta Neuropathologica 90 ( 3 ): p 251-256 1995

**The effect of selenium on the handling of mercury in the shore crab *Carcinus maenas*.**

**Author:** Larsen Lise Fog; Bjerregaard Poul(a)

**Author Address:** (a)Ecotoxicol. Group, Inst. Biol., Odense Univ., Campusvej 55, DK-5230 Odense M, Denmark

**Journal:** Marine Pollution Bulletin 31 ( 1-3 ): p 78-83 1995

**Downward migration of mercury in an old orchard sandy soil.**

**Author:** Elfving Don C; Wilson Kenneth R; Ebel Joseph G Jr; Manzell Kerry L; Gutemann Walter H; Lisk Donald J(a)

**Author Address:** (a)Toxic Chemicals Lab., New York State College of Agriculture and Life Sciences, Cornell Univ., It, USA

**Journal:** Chemosphere 31 ( 3 ): p 2897-2900 1995

**Fate and distribution of toxic heavy metals in some marine organisms from the eastern Adriatic coast.****Author:** Vukadin I; Zvonaric T; Odzak N**Author Address:** Inst. Oceanography Fish., 58000 Split, Croatia**Journal:** Helgolaender Meeresuntersuchungen 49 ( 1-4 ): p 679-688 1995**Effects of SH-blocking compounds on the energy metabolism in isolated rat hepatocytes.****Author:** Boot J H**Author Address:** Dep. Veterinary Pharmacology, Pharmacy Toxicology Univ. Utrecht, P.O. Box 85.284, 3508 AG Utrecht, Netherlands**Journal:** Cell Structure and Function 20 ( 3 ): p 233-238 1995**Mercury contaminated sites: Behaviour of mercury and its species in lysimeter experiments.****Author:** Hempel M(a); Wilken R-D(a); Miess R; Hertwich J; Beyer K**Author Address:** (a)GKSS-Res. Cent., Inst. Chem., D-21502 Geesthacht, Germany**Journal:** Water Air and Soil Pollution 80 ( 1-4 ): p 1089-1098 1995**Observation of unusual organic mercury species in soils and sediments of industrially contaminated sites.****Author:** Hintelmann Holger(a); Hempel Maximilian; Wilken Rolf Dieter**Author Address:** (a)Environmental Resource Studies, Trent Univ., Peterborough, ON K9J 7B8, Canada**Journal:** Environmental Science & Technology 29 ( 7 ): p 1845-1850 1995**Effects of lateral ventricular administration of organic mercury on the locomotor activity, dopamine and its metabolites in rats.****Author:** Kitayama Shigeru; Umezu Toyoshi; Matuzaki Ichiyo; Shimojo Nobuhiro(a)**Author Address:** (a)Inst. Community Med., Univ. Tsukuba 1-1-1 Tennoudai, Tsukuba 305, Japan**Journal:** Journal of Occupational Health 37 ( 2 ): p 145-146 1995**Mercury and cadmium uptake from seawater and from food by the Norway lobster *Nephrops norvegicus*.****Author:** Canli Mustafa; Furness Robert W(a)**Author Address:** (a)Div. Environmental Evolutionary Biol., IBLS, Univ. Glasgow, Glasgow G12 8QQ, UK**Journal:** Environmental Toxicology and Chemistry 14 ( 5 ): p 819-828 1995**Fractional mercury levels in Brazilian gold refiners and miners.****Author:** Aks Steven E(a); Erickson Timothy; Branches Fernando J P; Naleway Conrad; Chou Hwai-Nan; Levy Paul; Hryhorczuk Daniel**Author Address:** (a)Sect. Toxicology, Div. Occupational Med., 13th Floor, Karl Meyer Hall, 720 South Wolcott St., Ch, USA**Journal:** Journal of Toxicology Clinical Toxicology 33 ( 1 ): p 1-10 1995

**An ecoregion approach to mercury bioaccumulation by fish in reservoirs.**

**Author:** Allen-Gil S M; Gilroy D J; Curtis L R(a)

**Author Address:** (a)Oak Creek Lab. Biology, Dep. Fisheries Wildlife, 104 Nash Hall, Oregon State Univ., Corvallis, O, USA

**Journal:** Archives of Environmental Contamination and Toxicology 28 ( 1 ): p 61-68 1995

**Toxicity of organomercury compounds: Bioassay results as a basis for risk assessment**

Hempel, M. ; Chau, Y.K. ; Dutka, B.J. ; McInnis, R. ; Kwan, K.K.

GKSS - Forschungszentrum Geesthacht G.m.b.H., Geesthacht-Tesperhude (Germany, F.R.).

**Corporate Source Codes:** 072705000; 9204886

**Report Number:** GKSS--96/E/8

1996 8p

2. international symposium on speciation of elements in toxicology and in environmental and biological sciences, Loen (NO), 15-18 Jun 1994.

Order this product from NTIS by: phone at 1-800-553-NTIS (U.S. customers); (703)605-6000 (other countries); fax at (703)321-8547; and email at orders@ntis.fedworld.gov. NTIS is located at 5285 Port Royal Road, Springfield, VA, 22161, USA.

**Mercury Study Report to Congress. Volume 4. Health Effects of Mercury and Mercury Compounds. SAB Review Draft**

Schoeny, R.

Environmental Protection Agency, Research Triangle Park, NC. Office of Air Quality Planning and Standards.

**Corporate Source Codes:** 034680059

**Report Number:** EPA/452/R-96/001D

Jun 96 328p

See also Volume 3, PB96-184643 and Volume 5, PB96-184668.

Also available in set of 8 reports PC E99/MF E99, PB96-184619. Product reproduced from digital image. Order this product from NTIS by: phone at 1-800-553-NTIS (U.S. customers); (703)605-6000 (other countries); fax at (703)321-8547; and email at orders@ntis.fedworld.gov. NTIS is located at 5285 Port Royal Road, Springfield, VA, 22161, USA.

**Mercury and Selenium Accumulation in Common Loons (*Gavia immer*) and Common Mergansers (*Mergus merganser* from Eastern Canada**

Scheuhammer, Anton M., Canadian Wildlife Service, Hull, Quebec, Canada; Wong, Allan H. K.; Bond, Della

Environ Toxicol Chem v17, n2, p197(5)

Feb 98

**Airborne Emissions of Mercury from Municipal Landfill Operations: A Short-Term Measurement Study in Florida**

Lindberg, S.E.; Price, J.L.

Environmental Sciences Division, Oak Ridge National Laboratory (ORNL), Oak Ridge, TN, USA

Journal of the Air & Waste Management Association VOL. 49, NO. 5 , pp. 520-532 ,



**The chemical cycle and bioaccumulation of mercury.**

Morel, F. M. M.; Kraepiel, A. M. L.; Amyot, M.

Department of Geosciences, Guyot Hall, Princeton University, New Jersey 08544, USA.

Annual Review of Ecology and Systematics vol. 29 p.543-566

**Publication Year:** 1998

**Contaminant concentrations and biomarker response in great blue heron eggs from 10 colonies on the Upper Mississippi River, USA**

Custer, T. W.; Hines, R. K.; Melancon, M. J.; Hoffman, D. J.; Wickliffe, J. K.; Bickham, J. W.; Martin, J. W.; Henshel, D. S.

**Corporate Source:** National Biological Service, LaCrosse, WI

**Source:** Environmental Toxicology and Chemistry , 1997 VOL. 16, NO. 2 (February) , 260

**Publication Year:** 1997

**Phytodetoxification of hazardous organomercurials by genetically engineered plants**

Bizily S.P.; Rugh C.L.; Meagher R.B.

R.B. Meagher, Department of Genetics, University of Georgia, Athens, GA 30602-7223 United States

**Author Email:** meagher@arches.uga.edu

Nature Biotechnology ( NAT. BIOTECHNOL. ) ( United States ) 2000 , 18/2 (213-217)

**Child health and environmental pollution in the Aral Sea region in Kazakhstan**

Zetterstrom R.

R. Zetterstrom, Acta Paediatrica, Building Z6:04, Karolinska Hospital, 171 76 Stockholm Sweden

Acta Paediatrica, International Journal of Paediatrics, Supplement ( ACTA PAEDIATR. INT. J. PAEDIATR. SUPPL. ) ( Norway ) 1999 , 88/429 (49-54)

**Mercury in the bivalve Anadara (Senilia) senilis from Ghana and Nigeria**

Joiris C.R.; Azokwu M.I.; Otchere F.A.; Ali I.B.

C.R. Joiris, Lab. Ecotoxicology/Polar Ecology, Free University of Brussels (VUB), Pleinlaan 2, B-1050 Brussels Belgium

**Author Email:** cjoiris@vub.ac.be

Science of the Total Environment ( SCI. TOTAL ENVIRON. ) ( Netherlands ) 1998 , 224/1-3 (181-188)

**Environmental disasters. Part I: The Minamata disease**

BEITRAGSSERIE: UMWELTMEDIZINISCHE KATASTROPHEN. TEL I: DIE

MINAMATA- KRANKHEIT

Seidel H.J.; Krefeldt T.

Dr. H.J. Seidel, Inst. Arbeits Sozial- und Umweltmed., Universitat Ulm, Albert Einstein Allee 11, D-89081 Ulm Germany

Umweltmedizin in Forschung und Praxis ( UMWELTMED. FORSCH. PRAX. ) ( Germany ) 1998 , 3/3 (176-184)

**Increase of organochlorines and mercury levels in common guillemots *Uria aalge* during winter in the southern North Sea**

Joiris C.R.; Tapia G.; Holsbeek L.

C.R. Joiris, Lab. Ecotoxicology Polar Ecology, Free University of Brussels (VUB), Pleinlaan 2, B-1050 Brussels Belgium

Marine Pollution Bulletin ( MAR. POLLUT. BULL. ) ( United Kingdom ) 1997 , 34/12 (1049-1057)

**Determination of mercury and methylmercury in hair samples by neutron activation**

Sarmani S.B.; Hassan R.B.; Abdullah M.P.; Hamzah A.

S.B. Sarmani, Department of Nuclear Science, University Kebangsaan Malaysia, 43600 Bangi Malaysia

Journal of Radioanalytical and Nuclear Chemistry ( J. RADIOANAL. NUCL. CHEM. ) ( Hungary ) 1997 , 216/1 (25-27)

**Bioavailability of sediment-bound methyl and inorganic mercury to a marine bivalve**

Gagnon C.; Fisher N.S.

N.S. Fisher, Marine Sciences Research Center, State University of New York, Stony Brook, NY 11794-5000 United States

**Author Email:** nfisher@cmail.sunysb.edu

Environmental Science and Technology ( ENVIRON. SCI. TECHNOL. ) ( United States ) 1997 , 31/4 (993-998)

**Voltage-activated calcium channel currents of rat DRG neurons are reduced by mercuric chloride ( $\text{HgCl}_2$ ) and methylmercury ( $\text{CH}_3\text{HgCl}$ )**

Leonhardt R.; Pekel M.; Platt B.; Haas H.L.; Busselberg D.

Institut für Physiologie II, Hufelandsta. 55,45122 Essen Germany

NeuroToxicology ( NEUROTOXICOLOGY ) ( United States ) 1996 , 17/1 (85-92)

**The effect of selenilam on the handling of mercury in the shore crab *Carcinus maenas***

Larsen L.F.; Bjerregaard F.

Ecotoxicology Group, Institute of Biology, Odense University, Campusvej 55,DK-5230 Odense M Denmark

Marine Pollution Bulletin ( MAR. POLLUT. BULL. ) ( United Kingdom ) 1995 , 31/1-3 (78-83)

**Updated toxicological profile for mercury**

Risher, J.F.; De Rosa, C.T.; Jones, D.E.; Murray, H.E.

Agency for Toxic Substances and Disease Registry, Division of Toxicology (E-29), 1600 Clifton Road, Atlanta, GA 30333, USA

Toxicology and Industrial Health vol. 15, no. 5, pp. 480-482 ( 1999 )

**Comparison of the developmental effects of two mercury compounds on glial cells and neurons in aggregate cultures of rat telencephalon**

Monnet Tschudi, F.; Zurich, M. G.; Honegger, P.

Institute of Physiology, University of Lausanne, Rue du Bugnon 7, CH-1005 Lausanne, Switzerland

BRAIN RES. vol. 741, no. 1-2, pp. 52-59 ( 1996 )

**Concentrations and hazard assessment of organochlorine contaminants and mercury in smallmouth bass from a remote lake in the Upper Peninsula of Michigan.**

Henry KS; Kannan K; Nagy BW; Kevern NR; Zabik MJ; Giesy JP

Pesticide Research Center, Michigan State University, East Lansing, Michigan 48824-1222, USA.

Arch Environ Contam Toxicol ( UNITED STATES ) Jan 1998 , 34 (1) p81-6 ,

**Mercury speciation and accumulation in Bangladesh freshwater and anadrus fish.**

Holsbeek L; Das HK; Joiris CR

Laboratory for Ecotoxicology and Polar Ecology, Free University of Brussels (VUB), Belgium.

Sci Total Environ ( NETHERLANDS ) May 30 1997 , 198 (3) p201-10 , ISSN 0048-9697

**Patterns, trends, and toxicological significance of chlorinated hydrocarbon and mercury contaminants in bald eagle eggs from the Pacific coast of Canada, 1990-1994.**

Elliott JE; Norstrom RJ; Smith GE

Pacific Wildlife Research Centre, Canadian Wildlife Service, Environment Canada, 5421

Robertson Road, RR1 Delta, British Columbia, V4K 3N2, Canada.

Arch Environ Contam Toxicol ( UNITED STATES ) Oct 1996 , 31 (3) p354-67 ,

**Contaminants of fishes from Great Lakes-influenced sections and above dams of three Michigan rivers: III. Implications for health of bald eagles.**

Giesy JP; Bowerman WW; Mora MA; Verbrugge DA; Othoudt RA; Newsted JL; Summer CL;

Aulerich RJ; Bursian SJ; Ludwig JP; et al

Department of Fisheries &amp; Wildlife, Michigan State University, East Lansing 48824-1222, USA.

Arch Environ Contam Toxicol ( UNITED STATES ) Oct 1995 , 29 (3) p309-21 , ISSN 0090-4341 **Contract/Grant****Organochlorines, mercury, and selenium in great blue heron eggs from Indiana Dunes National Lakeshore, Indiana.**

Custer TW; Hines RK; Stewart PM; Melancon MJ; Henshel DS; Sparks DW

U.S. Geological Survey, Biological Resources Division, La Crosse, WI.

**Source:** Journal of Great Lakes Research 1998;24(1):3-11**The Evaluation Of Halogenated Aromatic Hydro-Carbons In Fishfrom The Connecticut River Basin, Ma**

Newsted JI

Univ Of Massachusetts/Forestry &amp; Wildlife Management

**Source:** Fedrip Database, National Technical Information Service (Ntis)**Sponsoring Agency:** U. S. Department Of Agriculture/Cooperative State Res Ser**Developmental Neurotoxicity Of Metallic Mercury**

Weiss B

University Of Rochester, 575 Elmwood Ave, Rochester, NY 14642

**Source:** Crisp Data Base National Institutes Of Health**Language:** English**Document Type:** Research**Sponsoring Agency:** U.S. Dept. Of Health And Human Services; Public Health Service;

National Inst. Of Health, National Institute Of Environmental Health Sciences

**Immunotoxic Properties Of Mercuric Compounds**

Shenker Bj

Univ Of Pennsylvania, 4010 Locust St, Philadelphia, Pa 19104

**Source:** Crisp Data Base National Institutes Of Health**Language:** English**Document Type:** Research**Sponsoring Agency:** U.S. Dept. Of Health And Human Services; Public Health Service; National Inst. Of Health, National Institute Of Dental & Craniofacial Research**Mercuric Compounds Inhibit Human Monocyte Function by Inducing Apoptosis: Evidence for Formation of Reactive Oxygen Species, Development of Mitochondrial Membrane Permeability Transition and Loss of Reductive Reserve**

InSug, O., S. Datar, C. J. Koch, I. M. Shapiro, and B. J. Shenker

Toxicology, Vol. 124, No. 3, pages 211-224, 39 references

December 31,1997

**Effects of Heavy Metals on Chondrogenic Differentiation of Embryonic Chick Limb Cells**

Kanti, A., and M. A. Smith

In Vitro Toxicology. A Journal of Molecular and Cellular Toxicology, Vol. 10, No. 3, pages 329-338, 55 references

1997

**Neuroimmunological Effects of Exposure to Methylmercury Forms in the Sprague-Dawley Rats. Activation of the Hypothalamic-Pituitary-Adrenal Axis and Lymphocyte Responsiveness**

Ortega, H. G., M. Lopez, A. Takaki, Q-H. Huang, A. Arimura, and J. E. Salvaggio

Toxicology and Industrial Health, Vol. 13, No. 1, pages 57-66, 36 references

January

**The Effects of Glutathione Glycoside in Methyl Mercury Poisoning**

Choi, B. H., S. Yee, and M. Robles

Toxicology and Applied Pharmacology, Vol. 141, No. 2, pages 357-364, 31 references

December 1996.

**Mechanisms of Hepatic Methylmercury Uptake**

Ballatori, N., and A. T. Truong

Journal of Toxicology and Environmental Health, Vol. 46, No. 3, pages 343-353, 25 references

November 1995

**Evolution of Our Understanding of Methylmercury as a Health Threat**

Watanabe, C., and H. Satoh

Environmental Health Perspectives, Vol. 104, Supplement 2, pages 367-379, 69 references

April 1996

**Protective Effects of Ca<sup>2+</sup> Channel Blockers against Methyl Mercury Toxicity**

Sakamoto, M., I. Naohito, and A. Nakano

Pharmacology and Toxicology, Vol. 78, No. 3, pages 193-199, 32 references

March 1996.

**Up-Regulation of Glutathione Synthesis in Rat Kidney by Methyl Mercury. Relationship to Mercury-Induced Oxidative Stress**

Woods, J. S., and M. E. Ellis

Biochemical Pharmacology, Vol. 50, No. 10, pages 1719-1724, 41 references  
November 9,**Fetal Methylmercury Study in a Peruvian Fish-Eating Population**

Marsh, D. O., M. D. Turner, J. C. Smith, P. Allen, and N. Richdale

Neurotoxicology, Vol. 16, No. 4, pages 717-726, 40 references  
December 1995.**Summary of the Seychelles Child Development Study on the Relationship of Fetal Methylmercury Exposure to Neurodevelopment**

Myers, G. J., P. W. Davidson, C. Cox, C. F. Shamlaye, M. A. Tanner, D. O. Marsh, E.

Cernichiari, L. W. Lapham, M. Berlin, and T. W. Clarkson

Neurotoxicology, Vol. 16, No. 4, pages 711-716, 10 references  
December 1995**Monitoring Methylmercury during Pregnancy: Maternal Hair Predicts Fetal Brain Exposure**

Cernichiari, E., R. Brewer, G. J. Myers, D. O. Marsh, L. W. Lapham, C. Cox, C. F. Shamlaye, M. Berlin, P. W. Davidson, and T. W. Clarkson

Neurotoxicology, Vol. 16, No. 4, pages 705-710, 17 references  
December 1995**An Analysis of Autopsy Brain Tissue from Infants Prenatally Exposed to Methylmercury**

Lapham, L. W., E. Cernichiari, C. Cox, G. J. Myers, R. B. Baggs, R. Brewer, C. F. Shamlaye, P. W. Davidson, and T. W. Clarkson

Neurotoxicology, Vol. 16, No. 4, pages 689-704, 24 references  
December 1995**Main Neurodevelopmental Study of Seychellois Children following In Utero Exposure to Methylmercury from a Maternal Fish Diet: Outcome at Six Months**

Myers, G. J., D. O. Marsh, P. W. Davidson, C. Cox, C. F. Shamlaye, M. Tanner, A. Choi, E.

Cernichiari, O. Choisy, and T. W. Clarkson

Neurotoxicology, Vol. 16, No. 4, pages 653-664, 27 references  
December 1995**A Pilot Neurodevelopmental Study of Seychellois Children following In Utero Exposure to Methylmercury from a Maternal Fish Diet**

Myers, G. J., D. O. Marsh, C. Cox, P. W. Davidson, C. F. Shamlaye, M. A. Tanner, A. Choi, E.

Cernichiari, O. Choisy, and T. W. Clarkson

Neurotoxicology, Vol. 16, No. 4, pages 629-638, 32 references December 1995

**Biochemical Markers of Neurotoxicity. A Review of Mechanistic Studies and Applications**

Manzo, L., F. Artigas, E. Martinez, A. Mutti, E. Bergamaschi, P. Nicotera, M. Tonini, S. M.

Candura, D. E. Ray, and L. G. Costa

Human and Experimental Toxicology, Vol. 15, Supplement 1, pages S20-S35, 118 references  
1996

**The Effect of Methylmercury (CH<sub>3</sub>HgCl) on the Production of Endothelium-Derived Relaxing Factor (EDRF) by Cultured Human Umbilical Vascular Endothelial Cells Based on Its Anti-aggregatory Effect on Human Platelets**

Ohno, M., T. Kishimoto, and M. Tada

Cell Biology and Toxicology, Vol. 11, No. 6, pages 303-311, 28 references  
December

**Changes in the Number of Astrocytes and Microglia in the Thalamus of the Monkey *Macaca fascicularis* following Long-Term Subclinical Methylmercury Exposure**

Charleston, J. S., R. L. Body, R. B. Bolender, N. K. Mottet, M. E. Vahter, and T. M. Burbacher  
Neurotoxicology, Vol. 17, No. 1, pages 127-138, 53 references  
1996

**Methylmercury in Astrocytes - What Possible Significance?**

Aschner, M.

Neurotoxicology, Vol. 17, No. 1, pages 93-106, 92 references  
1996

**Mercurial-Induced Alterations in Neuronal Divalent Cation Homeostasis**

Denny, M. F., and W. D. Atchison

Neurotoxicology, Vol. 17, No. 1, pages 47-62, 86 references  
1996

**Methylmercury-Induced Neurotoxicity in Cerebral Neuron Culture is Blocked by Antioxidants and NMDA Receptor Antagonists**

Park, S. T., K. T. Lim, Y. T. Chung, and S. U. Kim

Neurotoxicology, Vol. 17, No. 1, pages 37-46, 26 references  
1996

**Cellular Resistance to Methylmercury**

Sarafian, T. A., D. E. Bredesen, and M. A. Verity

Neurotoxicology, Vol. 17, No. 1, pages 27-36, 82 references  
1996

**In Vitro Toxicity of Methyl Mercury: Effects on Nerve Growth Factor (NGF)-Responsive Neurons and on NGF Synthesis in Fibroblasts**

Soderstrom, S., and T. Ebendal

Toxicology Letters, Vol. 75, Nos. 1-3, pages 133-144, 31 references  
January 1995

**Prevention by Chelating Agents of Metal-Induced Developmental Toxicity**

Domingo, J. L.

Reproductive Toxicology, Vol. 9, No. 2, pages 105-113, 84 references  
March 1995

**Revised guidance published on controlling occupational exposure to mercury.**

**Source Organization:** HSE , Rose Court, 2 Southwark Bridge, London SE1 9HS , UK

**Publication Date:** Apr 1996 ( 960400

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

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

**Document Type:** Literature Review

**Language:** German; Non-English

**Summary Language:** English; German

### **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

**Document Type:** Book

**The effects of near ultraviolet radiation of the toxic effects of polycyclic aromatic hydrocarbons in animals and plants: A review.**

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

**Author Address:** (a)Karch Associates, Inc., 1701 K Street NW, Suite 1000, Washington, DC 20006, USA

**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

Marcel Dekker, Inc., Basel, Switzerland

**Document Type:** Article; Book

**The presence and distribution of polycyclic aromatic hydrocarbons in the environment and personal exposure.****Author:** Sisovic Anica**Author Address:** Inst. Med. Istrazivanja, Med. Rada, Ksaverska Cesta 2, 1000 Zagreb, Croatia**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 Ca<sup>2+</sup>-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

**Source:** Environmental Protection Agency; EPA-440-4-85-020-V2; 1982; 113 p**An exposure and risk assessment for benzo(a)pyrene and other polycyclic aromatic hydrocarbons vol III anthracene, acenaphthene, fluorethene, fluorene, phenanthrene and pyrene**

EPA working group

**Source:** Environmental Protection Agency; EPA-440/4-85-020-V3; 1982; 158 p**An exposure and risk assessment for benzo(a)pyrene and other polycyclic aromatic hydrocarbons: Vol 4.**

EPA working group

**Source:** Environmental Protection Agency; EPA-440/4-85-020-v4; 1982; 215 p**Polycyclic aromatic hydrocarbons in the aquatic environment: Formation, sources, fate and effects on aquatic biota**

Anonymous

**Source:** National Research Council Canada; NRCC No 18981; 1983; 206 p



**Effects of Chronic Low-Level PAH Contamination on Soil Invertebrate Communities**

Erstfeld, Karen M., (Richard Stockton College of New Jersey, Pomona); Snow-Ashbrook, Jennifer, (Rutgers University, New Brunswick, NJ)  
Chemosphere v39, n12, p2117(23)  
Nov 99

**Polycyclic Aromatic Hydrocarbon Metabolism by White Rot Fungi and Oxidation by *Coriopsis gallica* UAMH 8260 Laccase**

Pickard, Michael A., Universidad Nacional Autonoma de Mexico, Cuernavaca, Morelos;  
Roman, Rosa; Tinoco, Raunel; Vazquez-Duhalt, Rafael  
Appl Environ Microbiol v65, n9, p3805(5)  
Sep 99

**Dispersion of PAH and Heavy Metals Along Motorways in the Netherlands-An Overview**

Koeleman, Marcel, Ministry of Transport Public Works and Water Management, Delft, Netherlands; Janssen vd Laak, Willem; Ietswaart, Hannah  
Sci Total Environ v235, n1-3, p347(3)  
Sep 1, 99

**Quantifying Factors That Influence PAH Biodegradation Rates in Marine Sediments**

Krieger-Brockett, Barbara, University of Washington, Seattle; Deming, Jody W.; Vetter, Yves-Alain; Geiselbrecht, Allison  
Bioremediation Technologies for Polycyclic Aromatic Hydrocarbon Compounds (Battelle) v5, n8, p301(7)  
1999

**PAH Distribution and Biodegradation in the Delaware and Schuylkill Rivers**

Boyd, Thomas J., US Naval Research Laboratory, Washington, DC; Steele, Julia K.; Montgomery, Michael T.; Spargo, Barry J.  
Bioremediation Technologies for Polycyclic Aromatic Hydrocarbon Compounds (Battelle) v5, n8, p295(6)  
1999

**Microscale Characterization of PAH Sequestration on Sediments**

Ghosh, Upal, Carnegie Mellon University, Pittsburgh, PA; Luthy, Richard G.; Gillette, J. Seb; Zare, Richard N.; Talley, Jeffery W.  
Bioremediation Technologies for Polycyclic Aromatic Hydrocarbon Compounds (Battelle) v5, n8, p289(6) 1999

**Impact of Adsorption and Desorption on Bioremediation of PAH Contaminated Estuarine Sediments**

Antia, J. E., University of Cincinnati, OH; Tabak, H. H.; Suidan, M. T.  
Bioremediation Technologies for Polycyclic Aromatic Hydrocarbon Compounds (Battelle) v5, n8, p283(6)  
1999

**Enhanced Biodegradation of PAH Contaminants by Thermal Pretreatment**

Bonten, Luc T. C., Wageningen Agricultural University, Netherlands; Grotenhuis, Tim C.; Rulkens, Wim H.

Bioremediation Technologies for Polycyclic Aromatic Hydrocarbon Compounds (Battelle) v5, n8, p265(6)  
1999

**Prediction of PAH Bioavailability in Soils and Sediments by Persulfate Oxidation**

Cuypers, Michiel P., Wageningen Agricultural University, Netherlands; Grotenhuis, J. T. C.; Rulkens, W. H.

Bioremediation Technologies for Polycyclic Aromatic Hydrocarbon Compounds (Battelle) v5, n8, p241(6)  
1999

**Bacterial Assemblage Adaptation in PAH-Impacted Ecosystems**

Montgomery, Michael T., US Naval Research Laboratory, Washington, DC; Boyd, Thomas J.; Spargo, Barry J.; Coffin, Richard B.; Steele, Julie K.; Ward, Dawn M.; Smith, David C.

Bioremediation Technologies for Polycyclic Aromatic Hydrocarbon Compounds (Battelle) v5, n8, p223(6)  
1999

**Biotransformation of Ten PAH's by Means of an Aerobic Mixed Culture**

Perez, Sixto, (Instituto Mexicano do Tecnologia del Agua, Jiutepec, Morelos); Torres, Luis G., (Instituto Mexicano del Petroleo)

Bioremediation Technologies for Polycyclic Aromatic Hydrocarbon Compounds (Battelle) v5, n8, p197(6)  
1999

**Relationship Between Detoxification and Decontamination During the Treatment of a PAH Contaminated Soil**

Santini, Katia, Ecole Polytechnique de Montreal, PQ, Canada; Bureau, Jacques; Deschenes, Louise

Bioremediation Technologies for Polycyclic Aromatic Hydrocarbon Compounds (Battelle) v5, n8, p185(6)  
1999

**Investigation into the Factors Limiting Bioremediation of PAH Contaminated Sites**

Alsaleh, Esmail S., King's College London, UK; Smith, Steve; Mason, Jeremy

Bioremediation Technologies for Polycyclic Aromatic Hydrocarbon Compounds (Battelle) v5, n8, p111(5)  
1999

**Use of Residual Substrate from Mushroom Farms to Stimulate Biodegradation of Poorly Available PAH**

Harmsen, Joop, SC-DLO, Wageningen, Netherlands; van den Toorn, Antonie; Heersche, Jan; Riedstra, Durk; van der Kooij, Aldert

Bioremediation Technologies for Polycyclic Aromatic Hydrocarbon Compounds (Battelle) v5, n8, p87(6)  
1999

**Surfactant Enhancement of White-Rot Fungal PAH Soil Remediation**

Bogan, Bill W.; Lamar, Richard T., EarthFax Development Corp, North Logan, UT  
Bioremediation Technologies for Polycyclic Aromatic Hydrocarbon Compounds (Battelle) v5,  
n8, p81(6)  
1999

**Development of White Rot Fungal Technology for PAH Degradation**

Kotterman, Michiel, Wageningen Agricultural University, Netherlands; van Lieshout, Johan;  
Grotenhuis, Tim; Field, Jim  
Bioremediation Technologies for Polycyclic Aromatic Hydrocarbon Compounds (Battelle) v5,  
n8, p69(6)  
1999

**Full Scale Bioremediation of PAH**

Connolly, Mark, Connolly Environ, Melbourne, Australia; Howe, Frances; Mazur, Margaret  
Bioremediation Technologies for Polycyclic Aromatic Hydrocarbon Compounds (Battelle) v5,  
n8, p43(7)  
1999

**Intrinsic Bioremediation of PAH Compounds at a Fuel-Contaminated Site**

Brauner, J. Steven, Virginia Polytechnic Institute and State University, Blacksburg; Widdowson,  
Mark A.; Novak, John T.; Love, Nancy G.  
Bioremediation Technologies for Polycyclic Aromatic Hydrocarbon Compounds (Battelle) v5,  
n8, p19(6)  
1999

**New Plug Flow Slurry Bioreactor for Polycyclic Aromatic Hydrocarbon Degradation**

Gamati, Samia, Sodexen Group, PQ, Canada; Gosselin, Christian; Bergeron, Eric; Chenier,  
Martin; Truong, Tri Vu; Bisailon, Jean-Guy  
Bioremediation Technologies for Polycyclic Aromatic Hydrocarbon Compounds (Battelle) v5,  
n8, p1(6)  
1999

**Extracellular Oxidative Enzyme Production and PAH Removal in Soil by Exploratory Mycelium of White Rot Fungi**

Novotny, Cenek, Academy of Sciences of the Czech Republic, Praha; Erbanova, Pavla; Sasek,  
Vaclav; Kubatova, Alena; Cajthaml, Tomas; Lang, Elke; Krahl, Jurgen  
Biodegradation v10, n3, p159(10)  
Jun 99

**Overview of Polycyclic Aromatic Hydrocarbon Biodegradation by White-Rot Fungi**

Canet, R., Instituto Valenciano de Investigaciones Agrarias, Valencia, Spain; Lopez-Real, J. M.;  
Beck, A. J.  
Land Contam Reclamation v7, n3, p191(7)  
Jul 99

**Cross-Induction of Pyrene and Phenanthrene in a Mycobacterium sp. Isolated from Polycyclic Aromatic Hydrocarbon Contaminated River Sediments**

Molina, Marirosa, US EPA, Athens, GA; Araujo, Rochelle; Hodson, Robert E.  
Can J Microbiol v45, n6, p520(10)  
Jun 99

**A Survey on Polycyclic Aromatic Hydrocarbon Concentrations in Soil in Chiang-Mai, Thailand**

Amagai, Takashi, University of Shizuoka, Japan; Takahashi, Yukari; Matsushita, Hidetsuru; Morknøy, Daisy; Sukasem, Phaka; Tabucanon, Monthip  
Environ Int v25, n5, p563(10)  
Jul 99

**Toxicity and Phototoxicity of Mixtures of Highly Lipophilic PAH Compounds in Marine Sediment: Can the (gr)SPAHE Model Be Extrapolated?**

Boese, B. L., EPA, National Health and Environmental Effects Research Laboratory, Newport, OR; Ozretich, R. J.; Lamberson, J. O.; Swartz, R. C.; Cole, F. A.; Pelletier, J.; Jones, J.  
Arch Environ Contam Toxicol v36, n3, p270(11) Apr 99

**Polycyclic Aromatic Hydrocarbon (PAH) Residues in the Eggs of Coastal-Nesting Birds from Britain**

Shore, Richard F., Institute of Terrestrial Ecology, Huntingdon, Cambridgeshire, UK; Wright, Julian; Horne, Janice A.; Sparks, Timothy H.  
Mar Pollut Bull v38, n6, p509(5)  
Jun 99

**Influence of Failure Modes on PAH Emission During Lab-Scale Incineration**

Mascolo, G., Consiglio Nazionale delle Ricerche, Rome, Italy; Lotito, V.; Spinosa, L.; Mininni, G.; Bagnuolo, G.  
Environ Eng Sci v16, n4, p287(6)  
1999

**Vitellogenesis in Fish and the Effects of Polycyclic Aromatic Hydrocarbon Contaminants**

Nicolas, Jean-Marc, Dalhousie University, Halifax, N. S., Canada  
Aquat Toxicol v45, n2-3, p77(14)  
Apr 99

**Enhancement of PAH Biodegradation in Soil by Physicochemical Pretreatment**

Bonten, Luc T. C., Wageningen Agricultural University, Netherlands; Grotenhuis, Tim C.; Rulkens, Wim H.  
Chemosphere v38, n15, p3627(10)  
Jun 99

**Avoidance Response of the Estuarine Amphipod Eohaustorius estuarius to Polycyclic Aromatic Hydrocarbon-Contaminated, Field-Collected Sediments**

Kravitz, Michael J., EPA, Washington, DC; Lamberson, Janet O.; Ferraro, Steven P.; Swartz, Richard C.; Boese, Bruce L.; Specht, David T.  
Environ Toxicol Chem v18, n6, p1232(4)  
Jun 99

**Three-Phase Modeling of Polycyclic Aromatic Hydrocarbon Association with Pore-Water-Dissolved Organic Carbon**

Mitra, Siddhartha, (Tulane University, New Orleans, LA); Dickhut, Rebecca M., (Virginia Institute of Marine Sciences, Gloucester Point)  
Environ Toxicol Chem v18, n6, p1144(5)  
Jun 99

**Assessment of the Bioavailability of PAHs in Rats Exposed to a Polluted Soil by Natural Routes: Induction of EROD Activity and DNA Adducts and PAH Burden in Both Liver and Lung**

Fouchecourt, M. O., INRA-DGER, Marcy l'Etoile, France; Arnold, M.; Berny, P.; Videmann, B.; Rether, B.; Riviere, J. L.  
Environ Res v80, n4, p330(10)  
May 99

**Structure of Peroxisomes and Activity of the Marker Enzyme Catalase in Digestive Epithelial Cells in Relation to PAH Content of Mussels from Two Basque Estuaries (Bay of Biscay): Seasonal and Site-Specific Variations**

Orbea, A., Euskal Herriko Unibersitatea/Universidad del Pais Vasco, Bilbo, Basque Country, Spain; Marigomez, I.; Fernandez, C.; Tarazona, J. V.; Cancio, I.; Cajaraville, M. P.  
Arch Environ Contam Toxicol v36, n2, p158(9)  
Feb 99

**Polycyclic Aromatic Hydrocarbon (PAH) Burden of Mussels (*Mytilus* sp.) in Different Marine Environments in Relation with Sediment PAH Contamination and Bioavailability**

Baumard, P., Universite Bordeaux I, Talence, France; Budzinski, H.; Garrigues, P.; Narbonne, J. F.; Burgeot, T.; Michel, X.; Bellocq, J.  
Mar Environ Res v47, n5, p415(15)  
Jun 99

**Consensus Sediment Quality Guidelines for Polycyclic Aromatic Hydrocarbon Mixtures**

Swartz, Richard C., EPA, Newport, OR  
Environ Toxicol Chem v18, n4, p780(8)  
Apr 99

**Surface Contamination with PASH, PAH and PCDD/F After Fire Accidents in Private Residences**

Wobst, M., Technical University of Braunschweig, Germany; Wichmann, H.; Bahadir, M.  
Chemosphere v38, n7, p1685(7)  
Mar 99

**Factors Affecting PAH Residues in the Lugworm *Arenicola marina*, a Sediment Feeding Polychaete**

Kaag, N. H. B. M., TNO Institute of Environ Sciences, Den Helder, Netherlands; Scholten, M. C. Th.; Van Straalen, N. M.  
J Sea Res v40, n3-4, p251(11)  
Dec 98

**Polycyclic Aromatic Hydrocarbon Degradation by a New Marine Bacterium, *Neptunomonas naphthovorans* gen. nov., sp. nov**

Hedlund, Brian P., University of Washington, Seattle; Geiselbrecht, Allison D.; Bair, Timothy J.; Staley, James T.

Appl Environ Microbiol v65, n1, p251(9)

Jan 99

**Modulated Gap Junctional Intercellular Communication as a Biomarker of PAH Epigenetic Toxicity: Structure-Function Relationship**

Upham, Brad L., Michigan State University, East Lansing; Weis, Liliane M.; Trosko, James E.

Environ Health Perspec Supplements v106, n4, p975(7)

Aug 98

**TORBED Reactor Successfully Treats PAH-Contaminated Sediments**

Hazard Waste Consultant v17, n1, p1.23(3)

Jan-Feb 99

**Atmospheric Particle Size Distributions of Polychlorinated Dibenzo-p-dioxins and Dibenzofurans (PCDD/Fs) and Polycyclic Aromatic Hydrocarbons (PAH) and Their Implications for Wet and Dry Deposition**

Kaupp, Heike; McLachlan, Michael S., University of Bayreuth, Germany

Atmos Environ v33, n1, p85(11)

Jan 99

**Biodegradation of Polycyclic Aromatic Hydrocarbons (PAH) in Marine Sediment Under Denitrifying Conditions**

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

Water Sci Technol v38, n11, p177(9)

1998

**Isolation of Marine Polycyclic Aromatic Hydrocarbon (PAH)-Degrading Cycloclasticus Strains from the Gulf of Mexico and Comparison of Their PAH Degradation Ability with That of Puget Sound Cycloclasticus Strains**

Geiselbrecht, Allison D., University of Washington, Seattle; Hedlund, Brian P.; Tichi, Mary A.; Staley, J. T.

Appl Environ Microbiol v64, n12, p4703(8)

Dec 98

**Polychlorinated Biphenyl and Polycyclic Aromatic Hydrocarbon Deposition to and Exchange at the Air-Water Interface of Esthwaite Water, a Small Lake in Cumbria, UK**

Gevao, B., Lancaster University, UK; Hamilton-Taylor, J.; Jones, K. C.

Environ Pollut v102, n1, p63(13) 1998

**PCDD/F, PCB and PAH Content of Brazilian Compost**

Grossi, Gricia, Fundacao Jorge Duprat Figueiredo de Seguranca e Medicina do Trabalho, Sao Paulo, Brazil; Lichtig, Jaim; Krauss, Peter

Chemosphere v37, n9-12, p2153(8)

Oct-Nov 98

**PCDD/F- and PAH-Emission from House Heating Systems**

Launhardt, T., Technische Universitat Munchen-Weihenstephan, Friesing, Germany; Strehler, A.; Dumler-Gradl, R.; Thoma, H.; Vierle, O.  
Chemosphere v37, n9-12, p2013(8)  
Oct-Nov 98

**Use of Concentration Ratios of Polycyclic Aromatic Hydrocarbons (PAH) and Lead to Determine Source-Origins of PAH in Sediments and Cockles**

Lee, Hian Kee, National University of Singapore, Kent Ridge; Wright, Graeme J.; Swallow, William H.  
Int J Environ Stud: Environ Sci Technol v55, n3, p211(8)  
1998

**TORBEDR Reactor Treats PAH-Contaminated Soil and Sediments with Minimal Emissions**

Air Pollut Consultant v8, n6, p1.14(3)  
Nov-Dec 98

**Bioavailability of PAH in Effluent Water from an Aluminium Works Evaluated by Transplant Caging and Biliary Fluorescence Measurements of Atlantic Cod (*Gadus morhua* L.)**

Beyer, Jonny, Rogaland Research, Stavanger, Norway; Aas, Endre; Borgenvik, Hild Karin; Ravn, Per  
Mar Environ Res v46, n1-5, p233(4)  
Jul-Dec 98

**PAH Metabolites in Bile and EROD Activity in North Sea Fish**

Aas, Endre, (Rogaland Research, Stavanger, Norway); Klungsoyr, Jarle, (Institute of Marine Research, Bergen, Norway)  
Mar Environ Res v46, n1-5, p229(4)  
Jul-Dec 98

**PAH in Fish Bile Detected by Fixed Wavelength Fluorescence**

Aas, Endre, Rogaland Research, Stavanger, Norway; Beyer, Jonny; Goksoyr, Anders  
Mar Environ Res v46, n1-5, p225(4)  
Jul-Dec 98

**Genotypic and Phenotypic Responses of a Riverine Microbial Community to Polycyclic Aromatic Hydrocarbon Contamination**

Langworthy, Donald E., Miami University, Oxford, OH; Stapleton, Raymond D.; Sayler, Gary S.; Findlay, Robert H.  
Appl Environ Microbiol v64, n9, p3422(7)  
Sep 98

**Rapid PAH Degradation in Soil Using Enzyme Mixtures**

Stolzenburg, Thomas R.; Duner, Marianne D., RMT Inc, Madison, WI  
Designing and Applying Treatment Technologies: Remediation of Chlorinated and Recalcitrant Compounds (Battelle) p53(5)  
1998

**A Laboratory and Field Comparison of Sediment Polycyclic Aromatic Hydrocarbon Bioaccumulation by the Cosmopolitan Estuarine Polychaete *Streblospio benedicti* (Webster)**

Ferguson, P. L.; Chandler, G. T., University of South Carolina, Columbia  
Mar Environ Res v45, n4-5, p387(15)  
May-Jun 98

**Application of Bioremediation Testing Protocol to PAH Contaminated Aged Soils**

Tabak, Henry H., EPA, Cincinnati, OH; Govind, Rakesh; Parvatiyar, M.; Song, Qi; Guo, J.  
Bioremediation and Phytoremediation: Chlorinated and Recalcitrant Compounds (Battelle)  
p55(9)  
1998

**Polycyclic Aromatic Hydrocarbons (PAH) and Diesel Engine Emissions (Elemental Carbon) Inside a Car and a Subway Train**

Fromme, H., Institute of Environ Analysis and Human Toxicology, Berlin, Germany; Oddoy, A.; Piloty, M.; Krause, M.; Lahrz, T.  
Sci Total Environ v217, n1-2, p165(9)  
1998

**DNA Adducts and Histopathological Lesions in Perch (*Perca fluviatilis*) and Northern Pike (*Esox lucius*) Along a Polycyclic Aromatic Hydrocarbon Gradient on the Swedish Coastline of the Baltic Sea**

Ericson, G., Stockholm University, Nykoping, Sweden; Lindesjoo, E.; Balk, L.  
Can J Fish Aquat Sci v55, n4, p815(10)  
Apr 98

**Polycyclic Aromatic Hydrocarbon Degrading Microorganisms in Great Lakes Sediments**

McNally, Dan L., Bryant College, Smithfield, RI; Mihelcic, James R.; Lueking, Don R.  
J Gt Lakes Res v24, n2, p392(12)  
1998

**PAH Emission from Various Industrial Stacks**

Yang, Hsi-Hsien, National Cheng Kung University, Tainan, Taiwan; Lee, Wen-Jhy; Chen, Shui-Jen; Lai, Soon-Onn  
J Hazard Mater v60, n2, p159(16)  
Jun 1, 98

**Polycyclic Aromatic Hydrocarbon (PAH) Dispersion and Deposition to Vegetation and Soil Following a Large Scale Chemical Fire**

Meharg, A. A., Institute of Terrestrial Ecology, Huntingdon, Cambridgeshire, UK; Wright, J.; Dyke, H.; Osborn, D.  
Environ Pollut v99, n1, p29(8) 1998

**Effect of Potassium Hydroxide on PAH Formation During Toluene Incineration**

Wei, Yu-Ling, Tunghai University, Taichung, Taiwan  
Chemosphere v37, n3, p509(13)  
Aug 98



**Correlation Between On-Line PAH Detection in Airborne Particle Samples and Their Bacterial Genotoxicity**

Wasserkort, Reinhold, Swiss Federal Institute of Technology, Zurich, Switzerland; Hartmann, Andreas; Widmer, Rosa Maria; Burtscher, Heinz  
Ecotoxicol Environ Saf v40, n1-2, p126(11)  
May-Jun 98

**Polycyclic Aromatic Hydrocarbons (PAH) in Agricultural Soils in Eastern Poland**

Malizewska-Kordybach, Barbara, Institute of Soil Science and Plant Cultivation (IUNG), Pulawy, Poland; Smreczak, Bozena  
Toxicol Environ Chem v66, n1-4, p53(6)  
1998

**Design of a Solvent Extraction Process for PAH-Contaminated Sediments: the Wau-Acetone Process**

Rulkens, W. H., Wageningen Agricultural University, Netherlands; Bruning, H.; van Hasselt, H. J.; Rienks, J.; van Veen, H. J.; Terlingen, J. P. M.  
Water Sci Technol v37, n6-7, p411(8)  
1998

**Characterisation of PAH-Contaminated Sediments in a Remediation Perspective**

Cuypers, M. P., Wageningen Agricultural University, Netherlands; Grotenhuis, J. T. C.; Rulkens, W. H.  
Water Sci Technol v37, n6-7, p157(8)  
1998

**Polycyclic Aromatic Hydrocarbon (PAH) Deposition to and Processing in a Small Rural Lake, Cumbira, UK**

Gevao, B., Lancaster University, UK; Jones, K. C.; Hamilton-Taylor, J.  
Sci Total Environ v215, n3, p231(12)  
May 4, 98

**Comparison of in Vitro Digestive Fluid Extraction and Traditional in Vivo Approaches as Measures of Polycyclic Aromatic Hydrocarbon Bioavailability from Sediments**

Weston, Donald P., (University of California, Berkeley); Mayer, Lawrence M., (University of Maine, Walpole)  
Environ Toxicol Chem v17, n5, p830(11)  
May 98

**PAH Emissions Influenced by Mn-Based Additive and Turbocharging from a Heavy-Duty Diesel Engine**

Yang, Hsi-Hsien, National Cheng Kung University, Tainan, Taiwan; Lee, Wen-Jhy; Mi, Hsiao-Hsuan; Wong, Chih-Ho; Chen, Chung-Bang  
Environ Int v24, n4, p389(15)1998



## 15 POLYBROMINATED HYDROCARBONS

### **Toxicological profile for Polybrominated biphenyls (PBBS)**

Anonymous

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

### **Scientific documentation on the Dutch list of occupational carcinogens (I). Polybrominated Biphenyls**

Dutch Expert Committee on Occupational Standards

**Source:** Ministry of Social Affairs and Employment; RA 1/95; 1995; 128-9

### **Polybrominated biphenyls (PBBs)**

Anonymous

**Source:** Canadian water quality guidelines; 1991

### **Polybrominated biphenyls**

Anonymous

**Source:** IARC monographs on the Evaluation of the Carcinogenic risk of chemicals to humans; 41; 1986; 261-92

### **Polychlorinated biphenyls and polybrominated biphenyls**

IARC Working Group

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

### **Environmental Health Criteria; Polybrominated dibenzo-p-dioxins and dibenzofurans.**

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

**Author:** WHO(a)

**Book Author/Editor:** WHO

**Author Address:** (a)Geneva, Switzerland

**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.

**Polybrominated dibenzo-p-dioxins and dibenzofurans: Literature review and health assessment.**

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

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

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

**Structure-reactivity relationships in dehydrohalogenation reactions of polychlorinated and polybrominated alkanes.**

**Author:** Roberts A L(a); Jeffers P M; Wolfe N L; Gschwend P M

**Author Address:** (a)Ralph m. Parsons Lab., Dep. Civil Environmental Engineering, M.I.T., Cambridge, MA 02139, USA

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

**Document Type:** Literature Review

**Immunotoxicology Environmental Contamination By Polybrominated Biphenyls And Immune Dysfunction Among Residents Of The State Of Michigan USA**

**Author:** Bekesi J G; Roboz J P; Fischbein A; Mason P

**Author Address:** Mt. Sinai Sch. Med., 10 E. 102nd St., New York, N.Y. 10029, USA.

**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.

**Document Type:** Review

**Polybrominated Dibenzo-P-Dioxins And Dibenzofurans The Flame Retardant Issue**

**Author:** Hutzinger O; Thoma H

**Author Address:** Chair Ecol. Chem. And Geochem., Univ. Bayreuth, P.O. Box 10 12 51, 8580 Bayreuth, Frg.

**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.

**Document Type:** Review

**Polybrominated Diphenylethers in Sediments and Biota Downstream of Potential Sources in the UK**

Alchin, C. R., Centre for Environ Fisheries and Aquaculture, Burnham on Crouch, Essex, UK; Law, R. J.; Morris, S.

Environ Pollut v105, n2, p197(11)  
1999

**Workplace Monitoring of Polybrominated Dibenzofurans (PBDFs) and-Dioxins (PBDDs) During Extrusion Production and Injection Molding of a Polybutylene-Terephthalate (PBTP)/Glass Fibre Resin Blended with Tetrabromobisphenol A Carbonate Oligomer**

Brenner, K. S., (ZSZ/Analytik, Ludwigshafen, Germany); Knies, H., (DUS/Sicherheit & Arbeitsschutz, Ludwigshafen, Germany)

Toxicol Environ Chem v38, p81(14)  
1993

**Formation of Polybrominated Dibenzofurans During Extrusion of High-Impact Polystyrene/Decabromodiphenyl Ether/Antimony(III) Oxide**

Luijk, Ronald, Univ of Amsterdam, Netherlands; Govers, Harrie A. J.; Nelissen, Laurent

Environ Sci Technol v26, n11, p2191(8)

Nov 92

**Polybrominated diphenyl ethers detected in human adipose tissue from Spain.**

**Author:** Meneses M(a); Wingfors H; Schuhmacher M(a); Domingo J L; Lindstrom G; Bavel B 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

**Journal:** Environmental Toxicology and Chemistry 17 ( 6 ): p 1065-1072 June, 1998

**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

**Metabolism of chlorofluorocarbons and polybrominated compounds by *Pseudomonas putida* G786(pHG-2) via an engineered metabolic pathway.****Author:** Hur Hor-Gil; Sadowsky Michael J; Wackett Lawrence P(a)**Author Address:** (a)Dep. Biochem., 140 Gortner Lab., Univ. Minnesota, 1479 Gortner Ave., St. Paul, MN 55108, USA**Journal:** Applied and Environmental Microbiology 60 ( 11 ): p 4148-4154 1994**Effect of combustion temperature on the atmospheric stability of polybrominated dibenzo-p-dioxins and dibenzofurans.****Author:** Birla Parag; Kamens Richard M(a)**Author Address:** (a)Dep. Environmental Sci. Eng., Univ. North Carolina, Chapel Hill, NC 27599-7400, USA**Journal:** Environmental Science & Technology 28 ( 8 ): p 1437-1443 1994**Developmental neurotoxicity of polybrominated biphenyls.****Author:** Henck Judith W(a); Mattsson Joel L; Rezabek Dale H; Carlson Cynthia L; Rech Richard H**Author Address:** (a)Parke-Davis Pharmaceutical Res., Div. Warner-Lambert Co., 2800 Plymouth Road, Ann Arbor, MI 4810, USA**Journal:** Neurotoxicology and Teratology 16 ( 4 ): p 391-399 1994**An assessment of the reductive debromination of polybrominated biphenyls in the Pine River Reservoir.****Author:** Morris Pamela J; Quenseni John F Ii; Tiedje James M; Body Stephen A(a)**Author Address:** (a)Dep. Crop Soil Sci., Mich. State Univ., East Lansing, MI 48824, USA**Journal:** Environmental Science & Technology 27 ( 8 ): p 1580-1586 1993**Polybrominated diphenyl ethers (PBDE) in biological samples from the Swedish environment.****Author:** Sellstrom Ulla(a); Jansson Bo(a); Kierkegaard Amelie(a); De Wit Cynthia(a); Odsjo Tjelvar; Olsson Mats**Author Address:** (a)Lab. Analytical Environmental Chemistry, Inst. Applied Environmental Res., Stockholm Univ., S-17, Sweden**Journal:** Chemosphere 26 ( 9 ): p 1703-1718 1993**The formation of polybrominated dibenzo-p-dioxins (PBDDs) and dibenzofurans (PBDFs) during pyrolysis of polymer blends containing brominated flame retardants.****Author:** Luijk R; Govers H A J**Author Address:** Dep. Environ. Toxicological Chem., Univ. Amsterdam, Nieuwe Achtergracht 166, 1018 WV Amsterdam, Netherlands Antilles**Journal:** Chemosphere 25 ( 3 ): p 361-374 1992**Levels of polychlorinated camphenes (toxaphene), chlordane compounds and polybrominated diphenyl ethers in seals from Swedish waters.****Author:** Andersson Osten; Wartanian Arpi**Author Address:** Natl. Food Adm., Box 622, S-751 26 Uppsala, Sweden**Journal:** Ambio 21 ( 8 ): p 550-552 1992



**The Atmospheric Stability Of Polybrominated Dibenzo-P-Dioxins And Dibenzofurans**

**Author:** Lutes C C; Charles M J; Kamens R M

**Author Address:** Dep. Environ. Sci. Eng., Univ. N.C. At Chapel Hill, Chapel Hill, N.C. 27599, USA.

**Journal:** Eleventh International Symposium On Chlorinated Dioxins And Related Compounds 1991, Part I, Research Triangle Park, North Carolina, USA, September 23-27, 1991. *Chemosphere* 25 (1-2). 1992. 99-102.

**Chamber Aging Studies On The Atmospheric Stability Of Polybrominated Dibenzo-P-Dioxins And Dibenzofurans**

**Author:** Lutes C C; Charles M J; Odum J R; Kamens R M

**Author Address:** Dep. Environmental Sci. And Eng., Sch. Public Health, University Of North Carolina At Chapel Hill, Chapel Hill, N.C. 27599-7400.

**Journal:** *Environ Sci Technol* 26 (5). 1992. 991-998.

**Polybrominated Biphenyl Exposure And Human Cancer Report Of A Case And Public Health Implications**

**Author:** Sherman J D

**Author Address:** P.O. Box 4605, Alexandria, Va. 22303.

**Journal:** *Toxicol Ind Health* 7 (3). 1991. 197-206.

**The Atmospheric Stability Of Polybrominated Dibenzo-P-Dioxins And Dibenzofurans**

**Author:** Lutes C C; Charles M J; Kamens R M

**Author Address:** Dep. Environ. Sci. Eng., Sch. Public Health, Univ. N.C., Chapel Hill, N.C. 27599-7400, USA.

**Journal:** U.S. Environmental Protection Agency's Atmospheric Research And Exposure Assessment Laboratory And Air And Waste Management Association. Measurement Of Toxic And Related Air Pollutants; International Symposium, Raleigh, North Carolina, USA, May 1-4, 1990. Xxi+1097p. Air And Waste Management Association: Pittsburgh, Pennsylvania, USA. *Illus. Maps. Paper.* 0 (0). 1990. 38-44.

**Effects Of Polybrominated Biphenyls On The Maturation Of Hepatic Cytochrome P450ia2 Activity During Puberty**

**Author:** Lambert G H; Schoeller D A; Lietz H W; Doyle C M; Humphrey H H

**Author Address:** Loyola Univ., Stritch Med. Sch., Pediatr. Dep., Maywood, Ill.

**Journal:** Meeting Of The American Pediatric Society And The Society For Pediatric Research, New Orleans, Louisiana, USA, April 29-May 2, 1991. *Pediatr Res* 29 (4 Part 2). 1991. 62a.

**The Caffeine Breath Test And Caffeine Urinary Metabolite Ratios In The Michigan Cohort Exposed To Polybrominated Biphenyls A Preliminary Study**

**Author:** Lambert G H; Schoeller D A; Humphrey H E B; Kotake A N; Lietz H; Campbell M ; Kalow W; Spielberg S P; Budd M

**Author Address:** Div. Neonatol., Dep. Pediatrics, Loyola Univ., 2160 South First Ave., Maywood, Ill. 60153.

**Journal:** Conference On Advances In Lead Research: Implications For Environmental Health, Research Triangle Park, North Carolina, USA, January 9-11, 1989. *Environ Health Perspect* 89 (0). 1990. 175-182.

**Copper-Promoted Reactions Of Polybrominated Dibenzo-P-Dioxins Pbrdd**

**Author:** Wania F; Lenoir D

**Author Address:** Chair Ecological Chem., Univ. Bayreuth, Postfach 101251, 8580 Bayreuth, W. Ger.

**Journal:** Chemosphere 21 (3). 1990. 417-432.

**Tetrabromobisphenol A Tdba Its Derivatives And Their Flame Retarded Fr Polymers Content Of Polybrominated Dibenzo-P-Dioxins Pbdd And Dibenzofurans Pbdf Pbdd-F Formation Under Processing And Smouldering Worst Case Conditions**

**Author:** Thies J; Neupert M; Pump W

**Author Address:** Bayer Ag, Central Anal. Dep., D-5090 Leverkusen, Ger.

**Journal:** Ninth International Symposium On Chlorinated Dioxins And Related Compounds 1989: Part 2, Toronto, Ontario, Canada, September 17-22, 1989. Chemosphere 20 (10-12). 1990. 1921-1928.

**Thermal Formation Of Polybrominated Dibenzofurans And Dioxins From Decabromodiphenyl Ether Flame Retardant Influence Of Antimony-Iii Oxide And The Polymer Matrix**

**Author:** Dumler R; Lenoir D; Thoma H; Hutzinger O

**Author Address:** Chair Ecol. Chem. Geochem., Univ. Bayreuth, P.O. Box 101251, D-8580 Bayreuth, W. Ger.

**Journal:** Ninth International Symposium On Chlorinated Dioxins And Related Compounds 1989: Part 2, Toronto, Ontario, Canada, September 17-22, 1989. Chemosphere 20 (10-12). 1990. 1867-1874.

**Thermal Formation Of Polybrominated Dibenzodioxins Pbdd And Dibenzofurans Pbdf From Bromine Containing Flame Retardants**

**Author:** Dumler R; Thoma H; Lenoir D; Hutzinger O

**Author Address:** Ecol. Chem. And Geochem., Univ. Bayreuth, Postfach 101251, D-8580 Bayreuth.

**Journal:** Eighth International Symposium On Chlorinated Dioxins And Related Compounds, Umea, Sweden, August 21-26, 1988. Chemosphere 19 (1-6). 1989. 305-308.

**Determinants Of Polychlorinated Biphenyls Pcb's Polybrominated Biphenyls Pbbs And Dichlorodiphenyl Trichloroethane Ddt Levels In The Sera Of Young Children**

**Author:** Jacobson J L; Humphrey H E B; Jacobson S W; Schantz S L; Mullin M D; Welch R

**Author Address:** Dep. Psychol., Wayne State Univ., 71 W. Warren Ave., Detroit, Mi 48202.

**Journal:** Am J Public Health 79 (10). 1989. 1401-1404.

**Bioconcentration Of Polybrominated Benzenes And Biphenyls And Related Superhydrophobic Chemicals In Fish Role Of Bioavailability And Elimination Into The Feces**

**Author:** Gobas F A P C; Clark K E; Shiu W Y; Mackay D

**Author Address:** Great Lakes Inst., Univ. Windsor, Windsor, Ontario, Can. N9b 3p4.

**Journal:** Environ Toxicol Chem 8 (3). 1989. 231-246.

**Polybrominated Biphenyl Ethers In Marine Fish Shellfish And River And Marine Sediments In Japan**

**Author:** Watanabe I; Kashimoto T; Tatsukawa R

**Author Address:** Osaka Prefectural Inst. Public Health, 1-3-69 Nakamichi, Higashinari-Ku, Osaka 537, Jpn.

**Journal:** Chemosphere 16 (10-12). 1987. 2389-2396.

**Polybrominated And Chlorinated Dibenzo-P-Dioxins Synthesis Biologic And Toxic Effects And Structure-Activity Relationships**

**Author:** Mason G; Denomme M A; Safe L; Safe S

**Author Address:** Dep. Physiol. And Pharmacol., Coll. Vet. Med., Tex. A And M Univ., College Station, Tex. 77843.

**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. 1729-1732.

**Hypothyroidism And Abnormalities In The Kinetics Of Thyroid Hormone Metabolism In Rats Treated Chronically With Polychlorinated Biphenyl And Polybrominated Biphenyl**

**Author:** Byrne J J; Carbone J P; Hanson E A

**Author Address:** Div. Reproductive Endocrinol., Dep. Obstet., Gynecol., Box 24, State Univ. N.Y., Downstate Med. Cent., 450 Clarkson Ave., Brooklyn, N.Y. 11203.

**Journal:** Endocrinology 121 (2). 1987. 520-527.

**Effect Of Polybrominated Biphenyls On The Growth And Maturation Of Human Peripheral Blood Lymphocytes**

**Author:** Lipson S M

**Author Address:** Div. Microbiol., Dep. Pathol. Labs., Nassau County Med. Cent., 2201 Hempstead Turnpike, East Meadow, Ny 11554.

**Journal:** Clin Immunol Immunopathol 43 (1). 1987. 65-72

**The Effects Of Polybrominated Biphenyls Pbb On The Human Cytochrome P-450 System P-450**

**Author:** Lambert G H; Humphrey H; Schoeller D

**Author Address:** Loyola Univ., Stritch Sch. Med., Dep. Ped., Maywood, Ill.

**Journal:** Joint Meeting Of The American Pediatric Society And The Society For Pediatric Research, Anaheim, California, USA, April 27-30, 1987. Pediatr Res 21 (4 Part 2). 1987. 258a.

**Bioavailability Of Soil-Borne Polybrominated Biphenyls Ingested By Farm Animals**

**Author:** Fries G F

**Author Address:** Pesticide Degradation Lab., U.S. Dep. Agriculture, Beltsville, Maryland 20705.

**Journal:** J Toxicol Environ Health 16 (3-4). 1985 (Recd. 1986). 565-580.

**Polybrominated Biphenyls And Fetal Mortality In Michigan USA**

**Author:** Humble C G; Speizer F E

**Author Address:** Epidemiol., N.M. Tumor Registry, Univ. N.M., 900 Camino De Salud, Albuquerque, N.M. 87131.

**Journal:** Am J Public Health 74 (10). 1984. 1130-1132.

**Persistence Of Polybrominated Biphenyls In Human Post-Mortem Tissue****Author:** Miceli J N; Nolan D C; Marks B; Hariharan M**Author Address:** Dep. Pediatrics Pharmacol., Wayne State Univ. Med. Sch., 3901 Beaubien Boulevard, Detroit, Mich. 48201.**Journal:** Environ Health Perspect 60 (0). 1985. 399-404.**Polychlorinated Biphenyls And Polybrominated Biphenyls Biochemistry Toxicology And Mechanism Of Action****Author:** Safe S**Author Address:** Dep. Of Physiology And Pharmacology, Texas A And M Univ., College Station, Texas.**Journal:** Crit Rev Toxicol 13 (4). 1984. 319-395.

## 16 HEXACHLOROCYCLOHEXANES

### **Factors influencing the distribution of lindane and other hexachlorocyclohexanes in the environment.**

**Author:** Walker Kathleen(a); Vallero Daniel A; Lewis Robert G

**Author Address:** (a)National Center for Environmental Assessment, U.S. EPA, 401 M Street SW, Washington, DC, USA

**Journal:** Environmental Science & Technology 33 ( 24 ): p 4373-4378 Dec. 15, 1999

**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

**Document Type:** Article; Literature Review

### **Differential toxicity and environmental fates of hexachlorocyclohexane isomers.**

**Author:** Willett Kristine L; Ulrich Elin M; Hites Ronald A(a)

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

**Journal:** Environmental Science & Technology 32 ( 15 ): p 2197-2207 Aug. 1, 1998

**Document Type:** Literature Review

### **Lindane (addendum)**

Anonymous

**Source:** Pesticide residues in food - 1997. Toxicology evaluations; 1998; 177-88

### **Toxicological profile for alfa-, beta-, gamma and delta-Hexachlorocyclohexane**

Anonymous

**Source:** Agency for Toxic Substances and Disease Registry U.S. Public Health Service; ATSDR TP-93/09; 1994; 196 p

### **Health effects assessment for lindane**

EPA working group

**Source:** Environmental protection agency; EPA/540/1-86/056; 1984; 49 p

### **Health effects assessment for hexachlorocyclopentadiene**

EPA working group

**Source:** Environmental protection agency; EPA/540/1-86/001; 1984; 46 p

**Hexachlorocyclohexanes (Group 2B)**

Anonymous

**Source:** IARC Monographs on the evaluation of the carcinogenic risk of chemicals to humans; Suppl. 7; 1987; 220-2**Hexachlorocyclopentadiene**

Anonymous

**Source:** Canadian water quality guidelines; 1987**Hexachlorocyclohexanes**

Anonymous

**Source:** Canadian water quality guidelines; 1987**Hexachlorocyclopentadiene**

Anonymous

**Source:** ACGIH. Documentation of the threshold limit values and biological exposure indices.; 6th ed; 1992; 739-40**Lindane**

Anonymous

**Source:** ACGIH. Documentation of the threshold limit values and biological exposure indices.; 6th ed; 1992; 858-61**Beta-hexachlorocyclohexane**

WHO working group

**Source:** Environmental Health Criteria; 123; 1992; 67-140**Alpha-hexachlorocyclohexane**

WHO working group

**Source:** Environmental Health Criteria; 123; 1992; 1-66**Lindane**

WHO working group

**Source:** Environmental Health Criteria; 124; 1991; 208 p**Ambient water quality criteria for hexachlorocyclopentadiene**

EPA working group

**Source:** Environmental Protection Agency; EPA 440/5-80-065; 1980; 100 p**Ambient water quality criteria for hexachlorocyclohexane**

EPA working group

**Source:** Environmental Protection Agency; EPA 440/5-80-054; 1980; 110 p**Hexachlorocyclopentadiene**

WHO working group

**Source:** Environmental Health Criteria; 120; 1991; 112 p

**Integrated criteria document hexachlorocyclohexanes. Effects**

Anonymous

**Source:** National institute for public health and environmental protection (RIVM), The Netherlands.; Appendix No 758473011; 1988; 121 p

**Integrated criteria document hexachlorocyclohexanes**

Anonymous

**Source:** National institute for public health and environmental protection (RIVM), The Netherlands; No 758473011; 1988; 128 p

**Health assessment document for hexachlorocyclopentadiene. Final report**

Epa working group

**Source:** Environmental Protection Agency; EPA-600/8-84-001; 1984; 177p

**BHC (technical grades) and lindane**

Anonymous

**Source:** IARC monographs on the Evaluation of the Carcinogenic risk of chemicals to humans; 5; 1974; 47-74

**Hexachlorocyclohexane (technical HCH and lindane)**

Anonymous

**Source:** IARC monographs on the Evaluation of the Carcinogenic risk of chemicals to humans; 20; 1979; 195-239

**Enantiomers of methylhexachlorocyclohexane and hexachlorocyclohexane in fish, shellfish, and waters of the Mersey Estuary.**

**Author:** McNeish A S; Bidleman T; Leah R T; Johnson M S(a)

**Author Address:** (a)School of Biological Sciences, University of Liverpool, Liverpool, L69 3BX, UK

**Journal:** Environmental Toxicology 14 ( 4 ): p 397-403 Sept., 1999

**Use of alpha-, beta- and gamma-hexachlorocyclohexane in Europe, 1970-1996.**

**Author:** Breivik Knut(a); Pacyna Jozef M; Muench Joerg

**Author Address:** (a)Norwegian Institute for Air Research, N-2007, Kjeller, Norway

**Journal:** Science of the Total Environment 239 ( 1-3 ): p 151-163 Oct. 1, 1999

**Two different types of dehalogenases, LinA and LinB, involved in gamma-hexachlorocyclohexane degradation in *Sphingomonas paucimobilis* UT26 are localized in the periplasmic space without molecular processing.**

**Author:** Nagata Yuji(a); Futamura Akiko; Miyauchi Keisuke; Takagi Masamichi

**Author Address:** (a)Department of Biotechnology, The University of Tokyo, Yayoi 1-1-1, Bunkyo-ku, Tokyo, 113-8657, Japan

**Journal:** Journal of Bacteriology 181 ( 17 ): p 5409-5413 Sept., 1999

**Global technical hexachlorocyclohexane usage and its contamination consequences in the environment: From 1948 to 1997.****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**Temporal and spatial patterns in alpha- and gamma-hexachlorocyclohexane concentrations in industrially contaminated rivers.****Author:** Meharg Andrew A(a); Wright Julian; Leeks Graham J L; Wass Paul D; Osborn Daniel**Author Address:** (a)Institute of Terrestrial Ecology, Monks Wood, Abbots Ripton, Huntingdon, Cambridgeshire, PE17 2L, UK**Journal:** Environmental Science & Technology 33 ( 12 ): p 2001-2006 June 15, 1999**Global chemical fate of alpha-hexachlorocyclohexane. 1. Evaluation of a global distribution model.****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**Global chemical fate of alpha-hexachlorocyclohexane. 2. Use of a global distribution model for mass balancing, source apportionment, and trend prediction.****Author:** Wania Frank(a); Mackay Donald**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**Seasonal impacts on beta-hexachlorocyclohexane concentration in soil solution.****Author:** Kalbitz K(a); Popp P**Author Address:** (a)Department of Soil Ecology, University of Bayreuth, BITOEEK, 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**Hexachlorocyclohexane-induced behavioural and neurochemical changes in rat.****Author:** Sahoo Arjun; Samanta Luna; Das Alaka; Patra Sarat K; Chainy Gagan B N(a)**Author Address:** (a)Biochem. Lab., Dep. Zool., Utkal Univ., Bhubaneswar 751 004, India**Journal:** Journal of Applied Toxicology 19 ( 1 ): p 13-18 Jan.-Feb., 1999



**Trends and seasonability in alpha- and gamma-hexachlorocyclohexane in western Canadian surface waters (1975-94).**

**Author:** Crosley R W(a); Donald D B; Block H O

**Author Address:** (a)Ecol. Res. Div., Environ. Canada, Room 854, 220-4 Ave. SE, Calgary, Alberta T2G 4X3, Canada

**Journal:** Environmental Pollution 103 ( 2-3 ): p 277-285 1998

**Anaerobic transformation of beta-hexachlorocyclohexane by methanogenic granular sludge and soil microflora.**

**Author:** Van Eekert Miriam H A(a); Van Ras Niels J P; Mentink Geert H; Rijnaarts Huub H M; Stams Alfons J M; Field Jim A; Schraa Gosse

**Author Address:** (a)Dep. Biomolecular Sci., Lab. Microbiol., H. van Suchtelenweg 4, Wageningen Agric. Univ., 6703 CT, Netherlands

**Journal:** Environmental Science & Technology 32 ( 21 ): p 3299-3304 Nov. 1, 1998

**Technical hexachlorocyclohexane use trends in China and their impact on the environment.**

**Author:** Li Y F(a); Cai D J; Singh A

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

**Journal:** Archives of Environmental Contamination and Toxicology 35 ( 4 ): p 688-697 Nov., 1998

**Hexachlorocyclohexane and its isomers: Regional brain levels in the rat after dermal exposure.**

**Author:** Kumar R; Pant N; Srivastava S P(a)

**Author Address:** (a)Industrial Toxicology Research Centre, P.O. Box No. 80, M. G. Marg, Lucknow 226 001, India

**Journal:** Archives of Environmental Contamination and Toxicology 35 ( 4 ): p 674-679 Nov., 1998

**Degradation of alpha, beta, gamma and delta-hexachlorocyclohexanes by *Sphingomonas paucimobilis*.**

**Author:** Johri Atul K(a); Dua Meenakshi; Tuteja Dipika; Sexana Renu; Saxena D M; Lal Rup

**Author Address:** (a)Dep. Zoology, Univ. Delhi, Delhi-7, India

**Journal:** Biotechnology Letters 20 ( 9 ): p 885-887 Sept., 1998

**Enantioselective accumulation of alpha-hexachlorocyclohexane in northern fur seals and double-crested cormorants: Effects of biological and ecological factors in the higher trophic levels.**

**Author:** Iwata Hisato(a); Tanabe Shinsuke; Iida Tetsuji; Baba Norihisa; Ludwig James P; Tatsukawa Ryo

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

**Journal:** Environmental Science & Technology 32 ( 15 ): p 2244-2249 Aug. 1, 1998

**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

**Annual balances of hexachlorocyclohexanes, polychlorinated biphenyls and triazines in the German Bight.**

**Author:** Huehnerfuss H(a); Bester K(a); Landgraff O; Pohlmann T; Selke K

**Author Address:** (a)Inst. Organische Chemie Univ. Hamburg, Martin-Luther-King-Platz 6, D-20146 Hamburg, Germany

**Journal:** Marine Pollution Bulletin 34 ( 6 ): p 419-426 1997

**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

**Journal:** Environmental Science & Technology 31 ( 7 ): p 1940-1945 1997

**Formation of polychlorinated biphenyls from the pyrolysis of hexachlorocyclohexane in the presence of Fe-2O-3.**

**Author:** Zheng M-H; Bao Z-C(a); Wang K-O; Xu X-B

**Author Address:** (a)Res. Cent. Eco-Environmental Sciences, Chinese Acad. Sciences, P.O. Box 2871, Beijing 100085, China

**Journal:** Bulletin of Environmental Contamination and Toxicology 59 ( 1 ): p 83-89 1997

**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

**Journal:** Journal of Toxicology and Environmental Health 51 ( 1 ): p 23-34 1997

**Kinetics and mechanism of the sonochemical degradation of gamma-hexachlorocyclohexane (lindane).**

**Author:** Gonzalez Alicia C; Olson Terese M

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

**Journal:** Abstracts of Papers American Chemical Society 213 ( 1-3 ): p ENVR 196 1997

**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

**Novel estrogenic action of the pesticide residue beta-hexachlorocyclohexane in human breast cancer cells.**

**Author:** Steinmetz Rosemary; Young Peter C M; Caperell-Grant Andrea; Gize Edward A; Madhukar Burra V; Ben-Jonathan Nira; Bigsby Robert M(a)

**Author Address:** (a)Dep. Obstetrics and Gynecology, Indiana Univ. Sch. Med., 1001 West Walnut Street, Indianapolis, , USA

**Journal:** Cancer Research 56 ( 23 ): p 5403-5409 1996

**Isolation and characterization of a novel gamma-hexachlorocyclohexane-degrading bacterium.**

**Author:** Thomas Jean-Christophe; Berger Françoise; Jacquier Maurice; Bernillon Dominique; Baud-Grasset Frédéric; 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

**Journal:** Journal of Bacteriology 178 ( 20 ): p 6049-6055 1996

**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

**In vitro effects of gamma-hexachlorocyclohexane on in vitro biosynthesis and metabolism of steroids in goldfish *Carassius auratus*.**

**Author:** Kime David E(a); Singh Pratap B

**Author Address:** (a)Dep. Anim. Plant Sci., Univ. Sheffield, Sheffield S10 2UQ, UK

**Journal:** Ecotoxicology and Environmental Safety 34 ( 2 ): p 165-173 1996

**Biotransformation of alpha-, beta-, gamma-, and omega-hexachlorocyclohexane under methanogenic conditions.**

**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

**Enantioselective degradation of alpha-hexachlorocyclohexane in twelve major rivers of the Northwest Territories.**

**Author:** Backus S M(a); Swyripa M; Peddle J; Jeffries D S

**Author Address:** (a)Backus Consulting, Stony Creek, ON L8E 4K9, Canada

**Journal:** Canadian Technical Report of Fisheries and Aquatic Sciences 0 ( 2093 ): p 19 1996

**Conference/Meeting:** 22nd Annual Aquatic Toxicity Workshop St. Andrews, New Brunswick, Canada October 2-4, 1995

**Hexachlorocyclohexane contamination in an urban area of Rio de Janeiro, Brazil.****Author:** Oliveira R Maria; Brilhante O Magno**Author Address:** Sanit. Environ. Health Dep./ENSP/FIOCRUZ, Rio de Janeiro, RJ, Brazil**Journal:** Environment International 22 ( 3 ): p 289-294 1996**The effect of the temperature bioconcentration characteristics of alpha-hexachlorocyclohexane.****Author:** Yamada Hisashi(a); Tateishi Masahiro; Ikeda Kumiko(a)**Author Address:** (a)Environ. Conservation Div., Natl. Res. Inst. Fisheries Sci., Nagai, Yokosuka, Kanagawa 238-03, Japan**Journal:** Nippon Suisan Gakkaishi 62 ( 2 ): p 280-285 1996**Language:** Japanese; Non-English**Summary Language:** English**Novel polypeptides induced by the insecticide lindane (gamma-hexachlorocyclohexane) are required for its biodegradation by a Sphingomonas paucimobilis strain.****Author:** Adhya Tapan K; Apte Shree K(a); Raghu K; Sethunathan N; Murthy N B K**Author Address:** (a)Cell Biol. Div., Bhabha Atomic Res. Cent., Trombay, Bombay 400085, India**Journal:** Biochemical and Biophysical Research Communications 221 ( 3 ): p 755-761 1996**In vitro photoconversion of gamma-hexachlorocyclohexane in the presence of chlorophyll.****Author:** Misra V(a); Pandey S D; Viswanathan P N**Author Address:** (a)Ecotoxicol. Section, Industrial Toxicol. Res. Cent., P. Box No. 80, M. G. Marg Lucknow-226001, India**Journal:** Bulletin of Environmental Contamination and Toxicology 56 ( 5 ): p 809-816 1996**Evaluation of the performance of two commercial starters on the bioremediation of soils contaminated with mineral oil and HCH (Hexachlorocyclohexane).****Author:** Zallo M; Susaeta I; Bargas T; Gorostiza I(a)**Author Address:** (a)GAIKER, Parque Tecnológico, Edf. 202. 48016 Zamudio, Spain**Journal:** Biotechnology Letters 18 ( 3 ): p 339-342 1996**Seasonality of air-water fluxes of hexachlorocyclohexanes in Lake Ontario.****Author:** Ridal Jeffrey J(a); Kerman Bryan; Durham Louise; Fox Michael E**Author Address:** (a)St. Lawrence River Inst. Environ. Sci., 709 Cotton Mill Road, Cornwall, Ontario K6H 7K7, Canada**Journal:** Environmental Science & Technology 30 ( 3 ): p 852-858 1996**Fate and atmospheric concentrations of alpha- and gamma-hexachlorocyclohexane in Quebec, Canada.****Author:** Poissant Laurier(a); Koprivnjak Jean-Francois**Author Address:** (a)Atmospheric Environ. Directorate, Environ. Canada, 100 Boulevard Alexis-Nihon, Saint-Laurent, Qu, Canada**Journal:** Environmental Science & Technology 30 ( 3 ): p 845-851 1996

**Formation of polychlorinated dibenzo-p-dioxins and dibenzofurans from the pyrolysis of hexachlorocyclohexane in the presence of iron (III) oxide.****Author:** Minghui Zheng; Zhicheng Bao(a); Xiaobai Xu; Keou Wang**Author Address:** (a)Res. Cent. Eco-Environ. Sci., Chinese Acad. Sci., Beijing 100085, China**Journal:** Chemosphere 32 ( 4 ): p 595-602 1996**Enantiomeric ratios of alpha-hexachlorocyclohexane in blubber of small cetaceans.****Author:** Tanabe Shinsuke(a); Kumaran Palaniappan(a); Iwata Hisato(a); Tatsukawa Ryo (a);

Miyazaki Nobuyuki

**Author Address:** (a)Dep. Environ. Conservation, Ehime Univ., Tarumi 3-5-7, Matsuyama 790, Japan**Journal:** Marine Pollution Bulletin 32 ( 1 ): p 27-31 1996**Induction of paracetamol biotransformation in the rat liver by gamma-hexachlorocyclohexane.****Author:** Itinose Ana Maria(a); Doi-Sakuno Marlene L(a); Bracht Adelar**Author Address:** (a)Dep. Clin. Sci. Lab., Univ. Maringa, 87020-900 Maringa, Brazil**Journal:** Research Communications in Alcohol and Substances of Abuse 16 ( 4 ): p 177-188 1995**The effect of the size of test fish species on bioconcentration characteristics of alpha-hexachlorocyclohexane.****Author:** Yamada Hisashi(a); Tateishi Masahiro; Ikeda Kumiko(a)**Author Address:** (a)Environmental Conservation Div., Natl. Res. Inst. Fish. Sci., Nagai, Yokosuka, Kanagawa 238-03, Japan**Journal:** Nippon Suisan Gakkaishi 61 ( 6 ): p 905-911 1995**Language:** Japanese; Non-English**Summary Language:** English**Hydrolysis and photolysis of hexachlorocyclopentadiene.****Author:** Podowski A A; Khan M A Q(a)**Author Address:** (a)Dep. Biol. Sci., Univ. Illinois Chicago, 845 West Taylor St., Chicago, IL 60607-7060, USA**Journal:** Archives of Environmental Contamination and Toxicology 30 ( 1 ): p 21-29 1996**Hexachlorocyclohexane contamination in an urban area of South-Eastern Brazil.****Author:** Oliveira Rosalia M(a); Brilhante Ogenis M; Moreira Josino C; Miranda Ary C**Author Address:** (a)Dep. de Saneamento, Saude Ambiental da Escola Nacional de Saude Publica/FIOCRUZ, Rua Leopoldo Bu, Brazil**Journal:** Revista de Saude Publica 29 ( 3 ): p 228-233 1995**Language:** Portuguese; Non-English**Summary Language:** Portuguese; English**Chronic effects of hexachlorocyclohexane exposure: Clinical, hematologic and electrocardiographic studies.****Author:** Srivastava A K(a); Gupta B N; Bihari V; Mathur N; Pangtey B S; Bharti R S**Author Address:** (a)Epidemiol. Div., Ind. Toxicol. Res. Cent., PB 80, Lucknow 226001, India**Journal:** Veterinary and Human Toxicology 37 ( 4 ): p 302-305 1995

**Leaching of hexachlorocyclohexane isomers in a flooded field unplanted or planted to rice.****Author:** Adhya T K(a); Rao V R; Dani R C; Panda D; Sethunathan N**Author Address:** (a)Div. Soil Sci. Microbiol., Central Rice Res. Inst., Cuttack 753 006, India**Journal:** Water Air and Soil Pollution 81 ( 3-4 ): p 305-313 1995**Enantioselective breakdown of alpha-hexachlorocyclohexane in a small Arctic lake and its watershed.****Author:** Falconer Renee L(a); Bidleman Terry F; Gregor Dennis J; Semkin Ray; Teixeira Camilla**Author Address:** (a)Dep. Chem., Youngstown State Univ., Youngstown, OH 44555, USA**Journal:** Environmental Science & Technology 29 ( 5 ): p 1297-1302 1995**Reversal of the air-water gas exchange direction of hexachlorocyclohexanes in the Bering and Chukchi Seas: 1993 versus 1988.****Author:** Jantunen Liisa M; Bidleman Terry F(a)**Author Address:** (a)Atmospheric Environ. Serv., 4905 Dufferin St., Downsview, ON M3H 5T4, Canada**Journal:** Environmental Science & Technology 29 ( 4 ): p 1081-1089 1995**Reproductive toxicology of hexachlorocyclohexane isomers: Induction of eggshell protein synthesis in Atlantic salmon.****Author:** Oppen-Berntsen Dag O; Olsen Sissel O; Husoy Astrid-Mette; Goksoyr Anders**Author Address:** Lab. Mar. Mol. Biol., Univ. Bergen, HIB, N-5020 Bergen, Norway**Journal:** Marine Environmental Research 39 ( 1-4 ): p 368 1995**Conference/Meeting:** Seventh International Symposium on Responses of Marine Organisms to Pollutants (PRIMO 7) Goteborg, Sweden April 20-22, 1993**Use of feeding rate and re-pairing of precopulatory Gammarus pulex to assess toxicity of gamma-hexachlorocyclohexane (lindane).****Author:** Malbouisson Joao F C(a); Young Tom W K; Bark Anthony W**Author Address:** (a)King's Coll. London, Univ. London, Div. Life Sci., Campden Hill Road, London W8 7AH, UK**Journal:** Chemosphere 30 ( 8 ): p 1573-1583 1995**Impact of gamma-hexachlorocyclohexane on the in vitro production of steroids from endogenous and exogenous precursors in the spermiating roach, Rutilus rutilus.****Author:** Singh Pratap B(a); Kime David E**Author Address:** (a)Dep. Zool., Tilak Dhari Coll., Jaunpur, India**Journal:** Aquatic Toxicology (Amsterdam) 31 ( 3 ): p 231-240 1995**Isomer and enantioselective degradation of hexachlorocyclohexane isomers in sewage sludge under anaerobic conditions.****Author:** Buser Hans-Rudolf(a); Mueller Markus D**Author Address:** (a)Swiss Federal Res. Station, CH-8820 Waedenswil, Switzerland**Journal:** Environmental Science & Technology 29 ( 3 ): p 664-672 1995

**Mineralization of alpha-, gamma-, and beta-isomers of hexachlorocyclohexane by a soil bacterium under aerobic conditions.**

**Author:** Sahu Siddhartha K; Patnaik K K; Bhuyan S; Sreedharan Bindu; Kurihara N; Adhya T K; Sethunathan N(a)

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

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

**Air-water gas exchange and evidence for metabolism of hexachlorocyclohexanes in Resolute Bay, N.W.T.**

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

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

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

**Air-Water Equilibrium of Hexachlorocyclohexanes and Chloromethoxybenzenes in the North and South Atlantic.**

**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

**Combined Intrinsic and Stimulated in Situ Biodegradation of Hexachlorocyclohexane (HCH)**

Langenhoff, A. A. M., TNO Institute of Environ Sciences, Apeldoorn, Netherlands; van Liere, H. C.; Pijls, C. G. J. M.; Schraa, G.; Rijnaarts, H. H. M.

Phytoremediation and Innovative Strategies for Specialized Remedial Applications (Battelle) v5, n6, p81(7)

1999

**Toxicological Profile for Hexachlorocyclopentadiene**

HHS Toxicological Profile for Hexachlorocyclopentadiene (225)

Jul 99

**Document Type:** fed govt report

**Toxicological Profile for Alpha-, Beta-, Gamma- and Delta-Hexachlorocyclohexane (Update)**

HHS Toxicological Profile for Alpha-, Beta-, Gamma-, and Delta-Hexachlorocyclohexane (Update) (313)

Jul 99

**Document Type:** fed govt report

**Global Chemical Fate of (gr)a-Hexachlorocyclohexane. 2. Use of a Global Distribution Model for Mass Balancing, Source Apportionment, and Trend Prediction**

Wania, Frank, (WECC Wania Environ Chemists Corp, Toronto, ON, Canada); Mackay, Donald, (Trent University, Peterborough, ON, Canada)

Environ Toxicol Chem v18, n7, p1400(8)

Jul 99



**Global Chemical Fate of (gr)a-Hexachlorocyclohexane. I. Evaluation of a Global Distribution Model**

Wania, Frank, WECC Wania Environ Chemists Corp, Toronto, ON, Canada; Mackay, Donald; Li, Yi-Fan; Bidleman, Terry F.; Strand, Asbjorn  
Environ Toxicol Chem v18, n7, p1390(10)  
Jul 99

**Seasonal Impacts of (gr)b-Hexachlorocyclohexane Concentration in Soil Solution**

Kalbitz, K., (University of Bayreuth, Germany); Popp, P., (UFZ Centre for Environ Research Leipzig-Halle, Germany)  
Environ Pollut v106, n1, p139(3)  
1999

**Effect of Carbofuran and Hexachlorocyclohexane on N<sub>2</sub>O Production in Alluvial Soils**

Singh, N., Indian Agricultural Research Institute, New Delhi; Majumdar, D.; Kumaraswamy, S.; Shakil, N. A.; Kumar, S.; Jain, M. C.; Ramakrishnan, B.  
Bull Environ Contam Toxicol v62, n5, p584(7)  
May 99

**Trends and Seasonality in (gr)a- and (gr)g-Hexachlorocyclohexane in Western Canadian Surface Waters (1975-94)**

Crosley, R. W., Environ Canada, Calgary, AB; Donald, D. B.; Block, H. O.  
Environ Pollut v103, 2-3, p277(9)  
1998

**Accelerated Biodegradation of (gr)g-Hexachlorocyclohexane ((gr)g-HCH) in a Flooded Alluvial Soil Retreated with (gr)g-HCH or Its Metabolite 1,2,4-Trichlorobenzene (TCB)**

Bharati, K., Central Rice Research Institute, Cuttack, India; Padhy, S.; Adhya, T. K.  
Bull Environ Contam Toxicol v60, n6, p858(6)  
Jun 98

**Comparative Study on the Acute Toxicities of (gr)a, (gr)b, (gr)g, (gr)d Isomers of Hexachlorocyclohexane to Freshwater Fishes**

Oliveira-Filho, E. C., National School for Public Health, Rio de Janeiro, Brazil; Paumgarten, F. J. R.  
Bull Environ Contam Toxicol v59, n6, p984(5)  
Dec 97

**Effects of Acute Exposure to Lindane ((gr)g-Hexachlorocyclohexane) on Brain and Liver Carbohydrate Metabolism of Rainbow Trout**

Soengas, J. L., Universidade de Vigo, Spain; Strong, E. F.; Aldegunde, M.; Andres, M. D.  
Ecotoxicol Environ Saf v38, n2, p99(9)  
Nov 97

**Toxicological Profile for Hexachlorocyclopentadiene**

Ademoyero, Adedamola, Agency for Toxic Substances and Disease Registry, Atlanta, GA; Neft, Robin; Donohue, Joyce M.; Hales, Yvonne N.; George, Julia  
HHS Toxicological Profile for Hexachlorocyclopentadiene p1(169)  
Sep 97

**Elimination of (gr)b-Hexachlorocyclohexane in Occupationally Exposed Persons**

Jung, D, University of Mainz, Germany; Becher, H.; Edler, L.; Flesch-Janys, D.; Gurn, P.; Konietzko, J.; Manz, A.  
J Toxicol Environ Health v51, n1, p23(12)  
May 97

**Methylated Hexachlorocyclohexane in Blue Mussels (*Mytilus edulis*) from the Mersey and Dee Estuaries**

McNeish, A. S., University of Liverpool, UK; Johnson, M. S.; Leah, R. T.  
Environ Pollut v95, n3, p303(7)  
1997

**Biotransformation of (gr)a-, (gr)b-, (gr)g-, and (gr)d-Hexachlorocyclohexane Under Methanogenic Conditions**

Middeldorp, Peter J. M., Wageningen Agricultural University, Netherlands; Jaspers, Marco; Zehnder, Alexander J. B.; Schraa, Gosse  
Environ Sci Technol v30, n7, p2345(5)  
Jul 96

**Fate and Atmospheric Concentrations of (gr)a- and (gr)g-Hexachlorocyclohexane in Quebec, Canada**

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

**Enantioselective Breakdown of (gr)a-Hexachlorocyclohexane in a Small Arctic Lake and Its Watershed**

Falconer, Renee L., Atmospheric Environ Service, Downsview, ON, Canada; Bidleman, Terry F.; Gregor, Dennis J.; Semkin, Ray; Teixeira, Camilla  
Environ Sci Technol v29, n5, p1297(6)  
May 95

**Reversal of the Air-Water Gas Exchange Direction of Hexachlorocyclohexanes in the Bering and Chukchi Seas: 1993 versus 1988**

Jantunen, Liisa M.; Bidleman, Terry F., Atmospheric Environ Service, Downsview, ON, Canada  
Environ Sci Technol v29, n4, p1081(9)  
Apr 95

**Impact of (gr)g-Hexachlorocyclohexane on the In Vitro Production of Steroids from Endogenous and Exogenous Precursors in the Spermiating Roach, *Rutilus rutilus***

Singh, Pratap B.; Kime, David E., University of Sheffield, UK  
Aquat Toxicol v31, n3, p231(10)  
Mar 95

## 17 LINDANE

### **Lindane (addendum)**

Anonymous

**Source:** Pesticide residues in food - 1997. Toxicology evaluations; 1998; 177-88

### **Health effects assessment for lindane**

EPA working group

**Source:** Environmental protection agency; EPA/540/1-86/056; 1984; 49 p

### **Hexachlorocyclohexanes (Group 2B)**

Anonymous

**Source:** IARC Monographs on the evaluation of the carcinogenic risk of chemicals to humans; Suppl. 7; 1987; 220-2

### **Lindane**

Anonymous

**Source:** ACGIH. Documentation of the threshold limit values and biological exposure indices; 6th ed; 1992; 858-61

### **Lindane**

WHO working group

**Source:** Environmental Health Criteria; 124; 1991; 208 p

### **Lindane**

FAO and WHO working groups

**Source:** FAO plant production and protection paper; 100/2; 1988; 141-55

### **BHC (technical grades) and lindane**

Anonymous

**Source:** IARC monographs on the Evaluation of the Carcinogenic risk of chemicals to humans; 5; 1974; 47-74

### **Hexachlorocyclohexane (technical HCH and lindane)**

Anonymous

**Source:** IARC monographs on the Evaluation of the Carcinogenic risk of chemicals to humans; 20; 1979; 195-239

### **Mobilization of PCBs and lindane from soil during in vitro digestion and their distribution among bile salt micelles and proteins of human digestive fluid and the soil.**

**Author:** Oomen Agnes G(a); Sips Adrienne J A M; Groten John P; Sijm Dick T H M; Tolls Johannes

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

**Journal:** Environmental Science & Technology 34 ( 2 ): p 297-303 Jan. 15, 2000

**Behavior of different formulations of lindane on chickpea.**

**Author:** Mukherjee I(a); Gopal M

**Author Address:** (a)Agricultural Research Service, Division of Agricultural Chemicals, Indian Agricultural Research Institute, New Delhi, 110012, India

**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 ( $\gamma$ -C<sub>6</sub>H<sub>6</sub>Cl<sub>6</sub>) 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

**Chlorpyrifos, 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

**Book Publisher:** Biologische Bundesanstalt fuer Land- und Forstwirtschaft, Koenigin-Luise-Strasse 19, D-1000 Berlin-Dahlem, Germany

**Conference/Meeting:** 50th German Meeting on Plant Protection Muenster, Germany September 23-26, 1996

**Language:** German; Non-English

**Enhanced mineralization of lindane in soils supplemented with the white rot basidiomycete *Phanerochaete chrysosporium*.**

**Author:** 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

**Journal:** Soil Biology & Biochemistry 29 ( 9-10 ): p 1321-1324 1997

**Diffusion mechanism of lindane into wood charcoal.**

**Author:** Keerthinarayana S(a); Bandyopadhyay M

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

**Journal:** Journal of Environmental Science and Health Part B Pesticides Food Contaminants and Agricultural Wastes 32 ( 5 ): p 673-700 1997

**Biodegradation of Lindane by *Pleurotus sajor-caju* and toxic effects of Lindane and its metabolites on mice.**

**Author:** Arisoy M(a); Kolankaya N

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

**Journal:** Bulletin of Environmental Contamination and Toxicology 59 ( 3 ): p 352-359 1997

**Bioaccumulation of lindane and hexachlorobenzene by tubificid sludgeworms (*Oligochaeta*) under standardised laboratory conditions.**

**Author:** Egeler Philipp(a); Roembke J; Meller M; Knacker T; Franke C; Studinger G; Nagel R

**Author Address:** (a)ECT Oekotoxikol. GmbH, Boettgerstr. 2-14, D-65439 Floersheim, Germany

**Journal:** Chemosphere 35 ( 4 ): p 835-852 1997

**Half-lives and bioconcentration of lindane (gamma-HCH) in different fish species and relationship with their lipid content.**

**Author:** Geyer H J(a); Scheunert I; Brueggemann R; Langer D; Korte F; Kettrup A; Mansour M; Steinberg C E W; Nyholm N; Muir D C G

**Author Address:** (a)Inst. Ecol. Chem., GSF-Natl. Res. Cent. Environ. Health, Ingolstaedter Landstr. 1, D-85764 Neuhe, Germany

**Journal:** Chemosphere 35 ( 1-2 ): p 343-351 1997

**Photocatalytic degradation of lindane in aqueous solution.**

**Author:** Hiskia Anastasia(a); Mylonas Athanasios(a); Tsipi Despina; Papaconstantinou Elias(a)

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

**Journal:** Pesticide Science 50 ( 2 ): p 171-174 1997

**Notes on the effects of sub-lethal doses of lindane and aldicarb on the reproduction of common quail.**

**Author:** Jansen R

**Author Address:** FitzPatrick Inst., Univ. Cape Town, Rondebosch 7700, South Africa

**Journal:** South African Journal of Wildlife Research 26 ( 3 ): p 88-93 1996

**A pond mesocosm study to determine direct and indirect effects of lindane on a natural zooplankton community.**

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

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

**Journal:** Environmental Pollution 93 ( 1 ): p 49-56 1996

**Bioaccumulation and metabolisation of Isoproturon, Linuron and Lindane by Lumbricus terrestris L.**

**Author:** Branquart E(a); Deleu R; Copin A; Gaspar C(a)

**Author Address:** (a)Fac. Sci. Agronomiques Gembloux, UER Zoologie Generale Appliquee, Passage des Deportes, 2 B-5030, Belgium

**Journal:** Mededelingen Faculteit Landbouwkundige en Toegepaste Biologische Wetenschappen Universiteit Gent 60 ( 28 ): p 511-519 1995

**Language:** French; Non-English

**Evaluating the environmental fate of lindane in France.**

**Author:** Bintein S; Devillers J(a)

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

**Journal:** Chemosphere 32 ( 12 ): p 2427-2440 1996

**Effects of lindane on the planktonic community in freshwater microcosms.**

**Author:** Fliedner Annette; Klein Werner

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

**Journal:** Ecotoxicology and Environmental Safety 33 ( 3 ): p 228-235 1996



**Effects of lindane on the growth of the freshwater amphipod *Gammarus pulex* (L.).****Author:** Blockwell S J(a); Pascoe D; Taylor E J**Author Address:** (a)Sch. Pure Applied Biology, Univ. Wales Coll. Cardiff, P.O. Box 915, Cardiff CF1 3TL, UK**Journal:** Chemosphere 32 ( 9 ): p 1795-1803 1996**Reduced birthweight and length in the offspring of females exposed to PCDFs, PCP, and lindane.****Author:** Karmaus Wilfried(a); Wolf Nicola**Author Address:** (a)NORDIG Inst. Health Res. Prev., Alte Kollaustrasse 32, 22529 Hamburg, Germany**Journal:** Environmental Health Perspectives 103 ( 12 ): p 1120-1125 1995**Concentrations of pentachlorophenol and lindane in various assortments of wood.****Author:** Pohlandt Katrin; Bockelmann Christine; Marutzky Rainer**Author Address:** Wilhelm Klauditz Inst., Fraunhofer Working Group Wood Research, Bienroder Weg 54 E, 38108 Braunschwe, Germany**Journal:** Chemosphere 31 ( 9 ): p 4025-4031 1995**Effects of lindane on *Daphnia magna* during chronic exposure.****Author:** Ferrando M D; Sancho E; Andreu-Moliner E**Author Address:** Dep. Anim. Biol., Fac. Biol. Sci., Univ. Valencia, Dr. Moliner 50, E-46100 Burjasot, Valencia, Spain**Journal:** Journal of Environmental Science and Health Part B Pesticides Food Contaminants and Agricultural Wastes 30 ( 6 ): p 815-825 1995**Levels of alpha-HCH, lindane, and enantiomeric ratios of alpha-HCH in marine mammals from the northern hemisphere.****Author:** Hummert Kerstin; Vetter Walter; Luckas Bernd(a)**Author Address:** (a)Inst. Food Environment, University Jena, Germany**Journal:** Chemosphere 31 ( 6 ): p 3489-3500 1995**Lindane transport in freshwater from wetlands of Brittany to the salt water of the Bay of Mont St. Michel (France).****Author:** Gueune Y(a); Winnett G**Author Address:** (a)Lab. D'Evolution Systemes Naturels Modifies Univ. Rennes, Rennes, France**Journal:** Bulletin of Environmental Contamination and Toxicology 55 ( 4 ): p 603-609 1995**Lindane treatment alters both intestinal mucosa composition and brush border enzymatic activity in chickens.****Author:** Moreno M J; Pellicer S; Fernandez-Otero M P(a)**Author Address:** (a)Dep. Physiol. Nutrition, Fac. Pharm., Univ. Navarra, C/ Irunlarrea s/n, 31008 Pamplona, Spain**Journal:** Pesticide Biochemistry and Physiology 52 ( 3 ): p 212-221 1995

**Effects of lindane on the predator-prey interaction between *Hydra oligactis* Pallas and *Daphnia magna* strauss.**

**Author:** Taylor E J(a); Morrison J E; Blockwell S J; Tarr A; Pascoe D

**Author Address:** (a)Sch. Pure Applied Biol., Univ. Wales Coll. Cardiff, PO Box 915, Cardiff CF1 3TL, UK

**Journal:** Archives of Environmental Contamination and Toxicology 29 ( 3 ): p 291-296 1995

**Lindane raises catfish electrodetection threshold.**

**Author:** Peters Robert C(a); Loos Wim J G(a); Hobbelen Margreet(a); Bretschneider Franklin(a); Hermens Joop L M

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

**Journal:** Belgian Journal of Zoology 125 ( 1 ): p 185-191 1995

**Field measurement and modelling the fate of aniline and lindane in a UK lowland River.**

**Author:** Cousins Ian T(a); Watts Chris D; Freestone Richard

**Author Address:** (a)WRc plc, Henley Rd., Medmenham, Marlow, Buckinghamshire SL7 2HD, UK

**Journal:** Environmental Technology 16 ( 6 ): p 515-526 1995

**Deposition of lindane in Denmark.**

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

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

**Journal:** Chemosphere 30 ( 11 ): p 2039-2049 1995

**Effect of lindane exposure on rainbow trout (*Oncorhynchus mykiss*) immunity: IV. Prevention of nonspecific and specific immunosuppression by dietary vitamin C (ascorbate-2-polyphosphate).**

**Author:** Dunier Muriel(a); Vergnet Christine(a); Siwicki Andrzej K; Verlhac Viviane

**Author Address:** (a)Lab. Toxicol. Metab. Ecotoxicol., INRA-ENVL, B.P. 83, 69280 Marcy l'Etoile, France

**Journal:** Ecotoxicology and Environmental Safety 30 ( 3 ): p 259-268 1995

**The neurotoxic effects of lindane at acute and subchronic dosages.**

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

**Author Address:** (a)Dep. Biol. Anim. II, Fac. CC. Biol., Univ. Complutense, Spain

**Journal:** Ecotoxicology and Environmental Safety 30 ( 2 ): p 101-105 1995

**Repeated exposure to lindane leads to behavioral sensitization and facilitates electrical kindling.**

**Author:** Gilbert M E

**Author Address:** Neurotoxicology Div., Health Effects Res. Lab., U.S. Environmental Protection Agency, Research Triang., USA

**Journal:** Neurotoxicology and Teratology 17 ( 2 ): p 131-141 1995

**Toxicological effects in rabbits induced by endosulfan, lindane, and methylparathion representing agricultural byproducts contamination.**

**Author:** Ceron J J(a); Panizo C G; Montes A

**Author Address:** (a)Dep. Anim. Pathol., Sch. Vet. Med., Univ. Murcia, Murcia 30100, Spain

**Journal:** Bulletin of Environmental Contamination and Toxicology 54 ( 2 ): p 258-265 1995

**Lindane and methylparathion residue degradation in carnation byproduct (*Dianthus caryophyllus*, L.) under different environmental conditions.**

**Author:** Ceron J J(a); Barba A; Camara M A; Gutierrez C

**Author Address:** (a)Dep. Patologia Animal, Fac. Vet., Univ. Murcia, Murcia 30100, Spain

**Journal:** Bulletin of Environmental Contamination and Toxicology 54 ( 1 ): p 150-157 1995

**Effects of the Organochlorine Insecticide Lindane ((gr)g-C<sub>6</sub>H<sub>6</sub>Cl<sub>6</sub>) on the Population Responses of the Freshwater Amphipod *Hyalella azteca***

Blockwell, Stephen J., University of Wales, Cardiff, UK; Maund, Stephen J.; Pascoe, David  
Environ Toxicol Chem v18, n6, p1264(6)

Jun 99

**Chemistry and Toxicology of the Chlorinated Cyclodienes and Lindane**

Bloomquist, Jeffrey R., Virginia Polytechnic Institute and State University, Blacksburg

Rev Toxicol v2, n5-6, p333(23)

1998

**Degrading Ability of White Rot Fungi: Bioremediation of Pentachlorophenol and Lindane**

White, Richard B.; Lamar, Richard T., EarthFax Engineering, Salt Lake City, UT

Soil Groundwater Cleanup p11(6)

Dec-Jan 99

**Intrinsic Remediation at Former Lindane Production Facility**

Havlicek, Stephen C., Coast-to-Coast Analytical Specialists, Dallas, TX; Stansbury, John; Ebbs, Bill

Natural Attenuation: Chlorinated and Recalcitrant Compounds (Battelle) p153(6)

1998

**Half-Lives and Bioconcentration of Lindane ((gr)g-HCH) in Different Fish Species and Relationship with Their Lipid Content**

Geyer, H. J., GSF-National Research Center for Environ and Health, Neuherberg, Germany;

Scheunert, I.; Bruggemann, R.; Langer, D.; Korte, F.; Kettrup. A.; Mansour, M.

Chemosphere v35, n1-2, p343(9)

Jul 97

**Environmental Exposure to Lindane: A Human Health Perspective**

Choudhary, Gangadhar, (US Department of Health and Human Services, Atlanta, GA); Wedge, Roberta M., (ICF Incorporated, Fairfax, VA)

Ministry of Sci Res/et al Third Congress of Toxicol in Developing countries Conf Proc, Vol 3, Cairo Egypt p149(28)

Nov 19-23, 95

**Lindane and Endosulfan Residues in Water and Fish in the Ashanti Region of Ghana**

Osafo-Aquaah, S., University of Science and Technology, Kumasi, Ghana

IAEA/et al Environ Behavior of Crop Protection Chemicals Conf Proc, Vienna, Austria p471(8)  
1997

**Persistence in Soil of Endosulfan and Lindane Applied to Soyabean and Maize Pests in a Field Trial Agrosystem in Zimbabwe**

Zaranyika, M. F.; Mugari, P., University of Zimbabwe, Harare, Zimbabwe

IAEA/et al Environ Behavior of Crop Protection Chemicals Conf Proc, Vienna, Austria  
p151(12)  
1997

**Soil Persistence, Plant and Non-Target Insect Uptake of Endosulfan and Lindane Applied to Soya Bean and Maize in Field Trials in Zimbabwe**

Zaranyika, M. F.; Mugari, P., University of Zimbabwe, Harare, Zimbabwe

FAO/IAEA Final Research Coordination Meeting on Organochlorine Insecticides in African Agroecosystems, Entebbe, Uganda p219(13)  
Nov 27-Dec 1, 95

**Persistence of Lindane and Endosulfan Under Field Conditions in Zambia**

Mwangala, F. S., National Council for Scientific Research, Chilanga, Zambia ; Mundia, P. M.; Nondo, J. C.; Banda, R.; Mangoye, C.

FAO/IAEA Final Research Coordination Meeting on Organochlorine Insecticides in African Agroecosystems, Entebbe, Uganda p213(6)  
Nov 27-Dec 1, 95

**The Effect of Lindane on Non-Target Fauna in a Maize Agro-Ecosystem in Zambia**

Deedat, Y. D., University of Zambia, Lusaka, Zambia; Chanda, S.; Chivundu, A. M.; Kalembe, G.; Mecha, C. D.

FAO/IAEA Final Research Coordination Meeting on Organochlorine Insecticides in African Agroecosystems, Entebbe, Uganda p199(6)  
Nov 27-Dec 1, 95

**Adverse Effects of Lindane in a Maize Agro-Ecosystem in Uganda**

Tukahirwa, E. M., Makerere University, Kampala, Uganda; Tinzaara, W.; Kiremire, B. T.

FAO/IAEA Final Research Coordination Meeting on Organochlorine Insecticides in African Agroecosystems, Entebbe, Uganda p189(9)  
Nov 27-Dec 1, 95

**Effects of Lindane on a Maize Ecosystem at TPRI, Arusha, Tanzania**

Minja, E. M., Tropical Pesticides Research Institute, Arusha, Tanzania; Makusi, R.; Tesha, F.

FAO/IAEA Final Research Coordination Meeting on Organochlorine Insecticides in African Agroecosystems, Entebbe, Uganda p169(12)  
Nov 27-Dec 1, 95

**Lindane Residues in Fish Inhabiting Nigerian Rivers**

Okereke, G. U., Nnamdi Azikiwe University, Awka, Nigeria; Chidodbem, J.; Dje, Y.  
FAO/IAEA Final Research Coordination Meeting on Organochlorine Insecticides in African Agroecosystems, Entebbe, Uganda p135(5)  
Nov 27-Dec 1, 95

**Persistence of Lindane in Rice and Maize Ecosystems in Nigeria**

Okereke, G. U., Nnamdi Azikiwe University, Awka, Nigeria; Onochie, C. C.; Onyeagba, E.; Dje, Y.  
FAO/IAEA Final Research Coordination Meeting on Organochlorine Insecticides in African Agroecosystems, Entebbe, Uganda p129(5)  
Nov 27-Dec 1, 95

**Persistence and Fate of Soil Applied <sup>14</sup>C-Lindane in a Maize Ecosystem**

Yeboah, P. O., Ghana Atomic Energy Commission, Legon, Ghana; Montford, K. G.; Apoh, W.; Dodoo, S.  
FAO/IAEA Final Research Coordination Meeting on Organochlorine Insecticides in African Agroecosystems, Entebbe, Uganda p119(9)  
Nov 27-Dec 1, 95

**Residues of Lindane and Endosulfan in Water and Fish Samples from Rivers, Farms in Besease, Agogo and Akomadan in the Ashanti Region of Ghana**

Osafo-Acquaah, S.; Frimpong, E., University of Science and Technology, Kumasi, Ghana  
FAO/IAEA Final Research Coordination Meeting on Organochlorine Insecticides in African Agroecosystems, Entebbe, Uganda p103(7)  
Nov 27-Dec 1, 95

**Fate and Distribution of Lindane and Endosulfan in Maize and Cowpea Ecosystems Respectively**

Yeboah, P. O., Ghana Atomic Energy Commission, Legon, Ghana; Montford, K. G.; Klake, R. K.; Akpabli, C. K.  
FAO/IAEA Final Research Coordination Meeting on Organochlorine Insecticides in African Agroecosystems, Entebbe, Uganda p93(9)  
Nov 27-Dec 1, 95

**Degradation of Lindane by Microorganisms. Evaluation of Inhibitory Effect on Microbial Activity Using Radiorespirometry**

Farghaly, M., Middle Eastern Regional Radioisotope Centre for the Arab Countries, Cairo, Egypt; Zayed, S. M. A. D.; Soliman, S. M.  
FAO/IAEA Final Research Coordination Meeting on Organochlorine Insecticides in African Agroecosystems, Entebbe, Uganda p55(12)  
Nov 27-Dec 1, 95

**Fate and Effects of <sup>14</sup>C-Lindane in an Agricultural Ecosystem**

Farghaly, M., Middle Eastern Regional Radioisotope Centre for the Arab Countries, Cairo, Egypt; Zayed, S. M. A. D.; Nawito, M.; Desouky, H. M.; Soliman, S. M.  
FAO/IAEA Final Research Coordination Meeting on Organochlorine Insecticides in African Agroecosystems, Entebbe, Uganda p41(13)  
Nov 27-Dec 1, 95

**Studies on Fate of <sup>14</sup>C-Lindane in Soil and Chickpea Plants Under Laboratory Conditions**

Meguenni, H., Centre de Developpement des Techniques Nucleaires, Algiers, Algeria  
FAO/IAEA Final Research Coordination Meeting on Organochlorine Insecticides in African Agroecosystems, Entebbe, Uganda p35(5)  
Nov 27-Dec 1, 95

**Behaviour of Lindane (Gamma HCH) in Soil Under Laboratory Conditions**

Bennaceur, M., Centre de Developpement des Techniques Nucleaires, Algiers, Algeria; Ghezal, F.; Coste, C. M.  
FAO/IAEA Final Research Coordination Meeting on Organochlorine Insecticides in African Agroecosystems, Entebbe, Uganda p29(6)  
Nov 27-Dec 1, 95

**Persistence and Effect of Lindane (Gamma HCH) in a Maize Field**

Bennaceur, M., Centre de Developpement des Techniques Nucleaires, Algiers, Algeria; Ghezal, F.; Meguenni, H.; Hamadache, A.; Coste, C. M.  
FAO/IAEA Final Research Coordination Meeting on Organochlorine Insecticides in African Agroecosystems, Entebbe, Uganda p23(6)  
Nov 27-Dec 1, 95

**Fate and Effects of Lindane in a Chickpea Field**

Meguenni, H., Centre de Developpement des Techniques Nucleaires, Algiers, Algeria; Bennaceur, M.; Sennaoui, Z.; Ghezal, F.  
FAO/IAEA Final Research Coordination Meeting on Organochlorine Insecticides in African Agroecosystems, Entebbe, Uganda p15(7)  
Nov 27-Dec 1, 95

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

Biagianti-Risbourg, Sylvie, Universite de Reims Champagne-Ardenne, France; Pairault, Catherine; Vernet, Guy; Boulekbache, Habib  
Chemosphere v33, n10, p2065(15)  
Nov 96

**Uptake of Endosulphan and Lindane by Crickets (Orthoptera), Spiders (Arachnida), Grasshoppers (Orthoptera), and Beetles (Coleoptera), Following Application of the Pesticides for the Control of Soya Bean and Maize Pests Respectively in a Field Trial in Zimbabwe**

Zaranyika, Mark F.; Mugari, Philemon, University of Zimbabwe, Harare  
J Environ Sci Health-Pestic Food Contam Agric Wastes vB31, n3, p485(10)  
May 95

**The Neurotoxic Effects of Lindane at Acute and Subchronic Dosages**

Martinez, Agustin Ortiz; Martinez-Conde, Esperanza, Universidad Complutense, Spain  
Ecotoxicol Environ Saf v30, n2, p101(5)  
Mar 95

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

Waymann, B.; Rudel, H., Fraunhofer-Institut für Umweltchemie und Ökotoxikologie,  
Schmallenberg, Germany

Int J Environ Anal Chem v58, n1-4, p371(8)

Jan 95