

## BIBLIOGRAPHY

- Abu Zeid, M., Hori, H., Nagasawa, H., Uto, Y., and Inayama, S. 2000. Studies on methyl 2-nitroimidazole-1-acetohydroxamate (KIN-804) 2: Effect of certain antioxidant enzyme systems in mice bearing Ehrlich ascites carcinoma. *Biol. Pharm. Bull.*, **23**: 195-198.
- Agency for Toxic Substances and Disease Registry (ATSDR/TP-88/16), 1989. Toxicological Profile for Heptachlor/Heptachlor Epoxide, *Technical Report*, Atlanta, GA. Pp. 6-58.
- Agency for Toxic Substances and Diseases Registry (ATSDR)/US Public Health Service, 1994. Toxicological Profile for 4,4'-DDT; 4,4'-DDE; 4, 4'-DDD; (Update), *Technical Report*, ATSDR. Atlanta, GA.
- Aldrich, F. D. and Holmes, J. H. 1969. Acute chlordane intoxication in a child: Case report with toxicological data. *Arch. Environ. Health*. **19**: 129-132.
- Aleksandrowicz, D. R., 1997. Endosulfan poisoning and chronic brain syndrome. *Arch. Toxicol.* **43**(1): 65-68.
- Alldrick, A. J. and Rowland, I. R. 1985. Activation of the food mutagens IQ and MeIQ by hepatic S9 fractions derived from various species. *Muta. Res.* **144**: 59-62.
- American Conference of Governmental Industrial Hygienists (ACGIH), 2000. Threshold limit values for chemical substances and physical agents and biological exposure indices. *Technical Report*, Cincinnati, OH.
- American Conference on Governmental Industrial Hygienists, 1986. *Inc. documentation of the threshold limit values and Biological Exposure Indices*, Fifth Edition. Pp. 6-57. Publications Office, Cincinnati, OH.
- Ames, B. N. 1971. The detection of chemical mutagens with enteric bacteria in: *Chemical Mutagens, Principles and Methods for their Detection* Vol.1, A. Hollander (Ed.), Plenum, New York. pp. 267-282.
- Ames, B. N. and Whitfield Jr., H. J. 1966. Frame-shift mutagenesis in Salmonella, Cold Spring Harbor Symp., *Quant. Biol.* **23**: 221-225.
- Ames, B. N., Duston, W. E., Yamaski, E. and Lee, F. D. 1973a. Carcinogens are mutagens: a simple test combining liver homogenates for activation of bacteria for detection. *Proc. Nat. Acad. Sci. USA.* **70**: 2281-2285.
- Ames, B. N., Lee, F. D. and Duston, W. E. 1973b. An improved bacteria tests system for the detection and classification of mutagens and carcinogens, *Proc. Nat. Acad. Sci. USA*, **70**: 782-786.
- Ames, B. N., McCann J. and Yamaski, E. 1975. Methods for detecting carcinogens and mutagens with the salmonella/mammalian-microsome mutagenicity test. *Mutation Res.*, **31**: 347-364.

## Bibliography

- Annis, R. and Darsheimer, W. T. 1975. *Blood Sampling Techniques in Small Laboratory Animals*. Technicon Industrial Systems, Tarrytown, New York, USA.
- Anon. 1989. *Toxicity Data Hand Book*. Vol: III, Pesticide-A. Industrial Toxicology Research Centre (Council of Scientific and Industrial Research), Lucknow, India.
- Anon. 2003. *Toxicological Profile for Endosulfan*, US Dept of Health and Human Services, Public Health Services, ATSDR- Web site - <http://www.atsdr.cdc.gov/toxprofiles/tp41-c4.pdf>.
- Arrebola FJ, Martínez Vidal JL, Fernández-Gutiérrez A. 2001. Analysis of endosulfan and its metabolites in human serum using gas chromatography-tandem mass spectrometry. *J Chromatogr Sci.*, 39(5):177-182.
- Arnold, S. F., Klotz, D. M., Collins, B. M., Vonier, P. M., Guilette, L. J. and McLachlan, J. A., 1996. Synergistic activation of estrogen receptor with combinations of environmental chemicals. *Science*, **272**: 1489-1492.
- Ashby, J., LeFevre, P. A., Odum, J., Harris, C. A., Routledge, E. J., and Sumpter, J. P. 1997. Synergy between synthetic estrogens? *Nature*, **385**: Pp. 494.
- Augustin-Beckers, P. W. M., Hornsby, A. G. and Wauchope, R. D., 1994. SCS/ARS/CES Pesticide properties database for environmental decision making II. Additional Compounds. *Rev. Environ. Contam. Toxicol.* **137**: 1-82.
- Ballschmitter, K., Schophan, I. and Tölg, G. 1967. The metabolization of endosulfan in insects and mammals. *Paper presented to the VI. International Plant Protection Congress*, Vienna.
- Beall, M. L. Jr. 1976. Persistence of Aerially Applied Hexachlorobenzene on Grass and Soil. *J. Environ. Qual.* **5**(4): 367-369.
- Bennett, D. 1975. The T locus of the mouse. *Cell*, **6**: 441-454.
- Bernardelli, B. C. and Gennari, M. C. 1987. Death caused by ingestion of endosulfan. *J. Forensic Sci.* **32**(4): 1109-1112.
- BFR, 2002. *Strategies for genotoxicity Testing of Substances: An Overview*, <http://www.bfr.bund.de/cms/media.php/94>.
- Bhunya, S. P. and Behera, B. C. 1987. Relative genotoxicity of trichloroacetic acid as revealed by different cytogenetic assays: bone marrow chromosome aberration, micronucleus and sperm head abnormality in the mouse. *Mutat. Res.*, **188**: 215-221.
- Bidleman, T. F., Zaranski, M. T. and Walla, M. D. 1988. Toxaphene: Usage, aerial transport and deposition, Chronic Effects of Toxic Contaminants in Large Lakes. In *Toxic Contamination in Large Lakes. Vol. I*: Pp. 6-19. N. W. Schmidtke, (Ed). Lewis Publishers Inc., Chelsea, MI.
- Blanco-Coronado, J. L., Repetto, M., Geviestel, R. J., Vicente, J. R., Yelamos, F. and Lardelli, A. 1992. Acute intoxication by Endosulfan. *J. Clinical Toxicology*, **30**(4): 575-583.

## Bibliography

- Boereboom, F.T., Van-Dik, A., Van Zoonen, P., and Meulenbelt, J. 1998. Non-accidental endosulfan intoxication: A case report with toxicokinetic calculations and tissue concentrations. *J. Clinical Toxicology*, **36**(4): 345-352.
- Boller, K. and Schimd, W. 1970. Chemical mutagenesis in mammals. The bone marrow of the Chinese Hamster as *in vivo* test system. *Haematolysis Che Befunde nach Behandlung mit Trenimon Hungenetik*, **11**: 35-54.
- Brandt, V. *et al.* 2001. Exposure to endosulfan in farmers: Two case studies. *American Journal of Industrial Medicine* **39**: 643-649.
- Bremmer, J. N. 1997a. Indosulfan: Substance technical (code: Hoe002671 00 ZD99 0008) Testing for primary dermal irritation in the rabbit. Unpublished Hoechst Marion Roussel preclinical development study No. 96.0837. *Hoechst document A58442*. Submitted to WHO by Hoechst Schering AgrEvo GmbH, Frankfurt-am-Main, Germany.
- Bremmer, J. N. 1997b. Endosulfan: Substance technical (code: Hoe002671 00 ZD99 0008) Testing for primary eye irritation in the rabbit. Unpublished Hoechst Marion Roussel preclinical development study No.96.0838. *Hoechst document A58443*. Submitted to WHO by Hoechst Schering Agr Evo GmbH, Frankfurt-am-Main, Germany.
- Bruce, W.R. and Heddle, J. A. 1979. The mutagenic activity of 61 agents as determined by the micronucleus, *Salmonella* and sperm abnormality assay. *Can. J. Genet. Cytol.*, **23**: 319-
- Brunning, K.L. and Kintz, B. L. 1977. *Computational handbook of statistics*. Scott Foresman and Company, USA.
- Budavari, S. (Ed.) 1996. *The Merck Index: an encyclopedia of chemicals, drugs, and biologicals*, 12<sup>th</sup> Ed. Rahway, Merck and Co., Inc., New Jersey, USA.
- Buhler, D. R. 1989. Transport, accumulation, and disappearance of pesticides, in: *Chemistry, Biochemistry, and Toxicology of Pesticides*. J. M. Witt, Ed. Oregon State University Extension Service, Corvallis, Oregon. Pp. 6-14.
- Cable, G. C. and Doherty, S. 1999. Acute carbamate and organochlorine toxicity causing convulsions in an agricultural pilot: a case report. *Avia. Space Environ. Med.* **70**(1): 68 -72.
- Canada National Research Council. 1975. Endosulfan: its effects on environmental quality NRC Associate Committee on Scientific Criteria for Environmental Quality, *Report No. 11*, Subcommittee on Related Compounds, Subcommittee *Report No. 3*, No. NRCC 14098 of the Environmental Secretariat.
- Chin, B. H., Heilman, R. D., Bachand, R. T., Chernenko, G. and Barrowman, J. 1980. Absorption and biliary excretion of chlorothalonil and its metabolites in the rat. *Toxicol. Lett.*, **5**(1): Pp. 150.

## Bibliography

- Choy, W. N., McGregor, J. T., Shelby, M. D., and Maronpot, R. R. 1985. Induction of micronuclei by benzene in B6C3F1 mice: Retrospective analysis of peripheral smears from the NTP carcinogenesis bioassay, *Muta. Res.*, **143**: 55-59.
- Chugn, S. N., Dhawan, R., Agrawal, N. and Mahojan, S. K. 1998. Endosulfan poisoning in Northern India: a report of 18 cases. *Int. J. Clin. Pharma. Ther.* **36**(9): 474 -477.
- Cifone, M.A., Myhr, B., Eiche, A. and Bolcsfoldi, G. 1987. Effect of pH shifts on the mutant frequency at the thymidine kinase locus in mouse lymphoma L5178Y TK <sup>+</sup>/<sub>-</sub> cells. *Mutation Research*, **189**: 39-46.
- Clements, J. 2000. The mouse Lymphoma Assay. *Mutation Research*, **455**: 97-110.
- Committee on Mutagenecity of Chemicals in Food (COM) 2000. Guidance on a Strategy for testing of Chemicals for Mutagenicity, Consumer Products and the Environment. <http://www.doh.dov.uk/com/guidance.pdf-assesed>.
- Crop Care, combined Issue pp.72 (July –Sept, 2004 & Oct- Dec. 2004).*
- David, J. B., Vincent, F. S., Herbert, S. R., Verne, A. R. and Robert, S. S. 1980. An evaluation of the *Eschrichia coli* WP2 and WP2-uvrA reverse mutation assay. *Muta. Res.*, **76**: 169-190.
- Dean, B. J. and Danford, N. 1984. Assays for the detection of chemically induced chromosome damage in cultured mammalian cells. In S. Venitt and J. M. Parry (Eds.), *Mutagenicity Testing*. IRL Press, Oxford and Washington DC. Pp. 187-232.
- Deema, P., Thompson, E. and Ware, G. W. 1966. Metabolism, storage and excretion of <sup>14</sup>C-endosulfan in the mouse. *J. Eco. Ento.* **59**: 546-550.
- Devi, K. R., and P.P. Reddy (1985) Bisazir induced cytogenetic damage and sperm head abnormalities in mice, *IRCS Med. Sci.*, **13**, 1245-1246.
- Dikshith, T. S. S. and Datta, K. K. 1978. Lack of cytogenetic effects in male rats. *Bull. Environ. Contam. Toxicol.* **20**: 826-833.
- Dinham, B. 1993. *The Pesticide Hazard*. Zed Books, London.
- Dorough, M. W., Huhtanen. K., Marshall, T. C., Bryant, H. E. 1978. Fate of endosulfan in rats and toxicological considerations of apolar metabolites. *Pesticide Biochemistry Physiology*, **8**: 241-252.
- Doyle, R. 1984. *Dalapon Information Sheet*. Food and Drug Administration (FDA), Washington DC. Pp. 6-40.
- Dubois, M., Pfohl-Leszkowicz, A. and De Waziers, I. 1996. Selective induction of CYP3A family by endosulfan and DNA-adduct formation in different hepatic and hepatoma cells. *Environmental Toxicology and Pharmacology*, **1**(4): 249-256.
- Dunkel, V. C., Zeiger, E., Brusick, D., McCoy, E., McGregor, D., Mortelmans, K. et al. 1984. Reproducibility of microbial mutagenicity assay: I. Test with *Salmonella*

## Bibliography

- typhimurium* and *E. Coli* using a standard protocol. *Environ. Mutagen.* 6(2): 251-254.
- Dunkel, V. C., Zeiger, E., Brusick, D., McCoy, E., McGregor, D., Mortelmans, K. *et al.* 1985. Reproducibility of microbial mutagenicity assay: II Test with *Salmonella typhimurium* and *E.Coli* using a standard protocol, *Environ. Mutagen.* 7(5): 241-248.
- Ecobichon, D. J. Toxic effects of pesticides. In: *Casarett and Doull's Toxicology*, 4th Edition. 1991. M. O. Amdur, J. Doull and C. D. Klaassen, (Eds.) Pergamon Press, New York, Pp. 6-61.
- Edwards, I. R., Ferry, D. G. and Temple, W. A. 1991. Fungicides and related compounds. In: *Handbook of Pesticide Toxicology*. W. J. Hayes Jr. and E. R. Laws Jr. (Eds.) Academic Press, New York. Pp. 6-8.
- Ellman, G. L., Courtney, K. D., Andres, V. Jr. and Featherstone, R. M. 1961. A new and rapid colorimetric determination of acetylcholinesterase activity. *Biochem. Pharmacology*, 7: 89-95.
- European Commission, Directorate-General, Health & Consumer Protection, Directorate D – Food and Veterinary Office, 1999. Final report: *Assessing the controls on pesticide residues in fish coming from Lake Victoria*.
- Eva, R. 1992. Use of External Metabolising Systems in the Neutral Red assay, *9th Scandinavian Cell Toxicology Congress*, Atlanta, 20: 262-265.
- Evans, H. H., Menel, J., Horng, M. F., Ricanati, M., Sanchez, C. and Hozier, J. 1986. Locus specificity in the mutability of L5178Y mouse lymphoma cells: the role of multilocus lesions. *Proc. Nat. Acad. Sci. USA.* 83: 4379-4383.
- Extension Toxicology Network (EXTOXNET), 1996. Pesticide Information Profiles: Endosulfan, <http://ace.orst.edu/cgi-bin/mfs/01/pips/endosulf.mfs>.
- Fahrig, R. 1974. In: *Comparative mutagenicity studies with pesticides*. R. Montesano, and L. Tomatis, (Ed.) Proceedings of a Workshop on Approaches to Assess the Significance of Experimental Chemical Carcinogenesis Data for Man. Brussels, Belgium.
- FMC - Food Machinery and Chemical Corporation. 1959a. Thiodan technical: Repeated oral administration - dogs. *Final Report*. Conducted for Food Machinery and Chemical Corporation, Niagara Chemical Division. Hazleton Laboratories, Inc., Falls Church, VA.
- FMC - Food Machinery and Chemical Corporation. 1959b. Thiodan technical: Two-year chronic feeding study - rats. *Final Report*. Conducted for Food Machinery and Chemical Corporation, Niagara Chemical Division. Hazleton Laboratories, Inc., Falls Church, VA.
- FMC - Food Machinery and Chemical Corporation. 1967. Two year chronic oral toxicity of thiodan technical - Beagle dogs. Conducted for Food Machinery and Chemical Corporation. Industrial Bio-Test Laboratories, Inc., Northbrook, IL.

## Bibliography

- Food and Drug Administration (FDA), 2004. *Guidance for Industry Recommended Approaches to Integration of Genetic Toxicology Study Results*. Draft Guidance. Genotoxicity. Centre for Drug Evaluation and Research.
- Food and Drug Administration, 2000. Office of Food Additive Safety, *Toxicological Principles for the Safety Assessment of Food Ingredients, Redbook*. US-FDA, <http://vm.cfsan.fda.gov/~redbook/red-toca.html>.
- Forejt, J. 1976. Spermatogenic failure of translocation heterozygotes affected by H-2 Inbred gene in mouse. *Nature*, **260**: 143-145.
- Galloway, S. M., Aardema, M. J., Ishidate, M. Jr., Ivett, J. L., Kirkland, D. J., Morita, T., *et al.* 1994. Report from working group on *in vitro* tests for chromosomal aberrations. *Mutation Research*, **312**: 241-261.
- Galloway, S. M., Armstrong, M. J., Ruben, C. S., Colman, B., Brown, Canon, C. *et al.* 1987. Chromosomal aberration and sister chromatid exchanges in Chinese Hamster Ovary cells; Evaluation of 108 chemicals. *Environ. Mol. Mutagen.* **10**: 1-109.
- Galloway, S. M., Bloom, A. D., Resnick, M., Margolin, B. H., Nakamura, F., Archer, P. and Gieger, E. 1985, Development of a standard protocol for *in vitro* cytogenetic testing with Chinese Hamster Ovary cells; Comparison of results for 22 compounds in two laboratories, *Environ. Mutagen.*, **7**: 1-51.
- Garabrant, D. H., Held, J., Langholz, B., Peters, J. M. and Mack, T. M. 1992. DDT and related compounds and risk of pancreatic cancer, *J. Nat. Cancer. Inst.*, **84**: 764-771.
- Garner, R. C., Miller, E. C. and Miller, J. A. 1972. Liver microsomal metabolism of aflatoxin B1 to a reactive derivative toxic to *Salmonella typhimurium* TA1530. *Cancer Res.*, **32**: 2058-2066.
- Gasiewicz, T. A. 1991. Nitro compounds and related phenolic pesticides. In: *Handbook of Pesticide Toxicology*. W. J. Hayes Jr. and E. R. Laws Jr. (Eds.) Academic Press, New York, 6-70
- Gollapudi, B. and McFadden, L. G. 1995. Sample size for the estimation of polychromatic to normochromatic erythrocyte ratio in the bone marrow micronucleus test. *Mutation Res.*, **347**: 97-99.
- Gorbach, S.G., Christ, O. E., Kellner, H. *et al.* 1968. Metabolism of endosulfan in milk sheep. *J. Agric. Food Chem.* **16**: 950-953.
- Gosselin, R. E., Smith, R. P., Hodge, H. C. *et al.* (Eds.) 1984. *Clinical Toxicology of Commercial Products*. 5<sup>th</sup> Ed. Baltimore, MD: Williams and Wilkins, USA. Pp. 286.
- Green, M. H. L. and Murriel, W. J. 1976, Mutagen testing using Trp<sup>+</sup> reversion in *E. coli*, *Mutat. Res.* **38**: 3-32.
- Grimmett, W. G., Dzendolet, I., Whyte, I. 1996. Intravenous thiodan (30% endosulfan in xylene). *J. Toxicol. Clin. Toxicol.* **34**(4): 447-452.

## Bibliography

- Gupta, P. K., Gupta, R. C. 1979. Pharmacology, toxicology and degradation of endosulfan: A review. *Toxicology*, **13**: 115-130.
- Gupta, P. K., Murthy, R. C. and Chandra, S. V. 1981. Toxicity of endosulfan and manganese chloride: Cumulative toxicity rating. *Toxicol. Lett.* **7**: 221-227.
- Gupta, R. S. Genetic Markers for Quantative Mutagenesis Studies in Chinese Hamster Ovary Cells: Applications to Mutagen Screening Studies, Chapter 13, In: *Handbook of Mutagenecity Test Procedures* 2<sup>nd</sup> Edition, 1984. B. J. Kilbey, M. Legator, W. Nocholas and C. Ramel (Eds.) Published by Elsevier Science Publishers BV. pp-239-268.
- Hack, R., Ebert, E. and Leist, K. H. 1995. Chronic toxicity and carcinogenicity studies with the insecticide endosulfan in rats and mice. *Food Chem. Toxicol.* **33**(11): 941-950.
- Hallenbeck, W. H. and Cunningham-Burns, K. M. 1985. *Pesticides and Human Health*. Springer-Verlag, New York. Pp. 6-41.
- Hartman, P. E., Hartman, Z., Stahl, R. C. and Ames, B. N. 1971, Classification and Mapping of spontaneous and induced mutations in histidine operon of *Salmonella*, *Adv. Genet.* **16**: 1-34.
- Hawarth, S., Lawlor, T., Mortelmans, K., Speck, W. and Zeiger, E. 1983. *Salmonella* mutagenicity results for 250 chemicals, *Environ. Mutagen*, **5**: 3-142.
- Hayashi, M., Morita, T., Kodama, Y., Sofuni, T. and Ishidate, M. Jr. 1990. The micronucleus assay with mouse peripheral blood reticulocytes using acridine orange-coated slides. *Mutat. Res.*, **245**: 245-249.
- Hayes, W. J. Jr. and E. R. Laws Jr. 1991. *Handbook of Pesticide Toxicology*. Academic Press Inc., New York. Pp. 816-822.
- Heddle, J. 1983. A rapid *in vivo* test for chromosomal damage. *Mutat. Res.*, **18**: 187-190.
- Hill, E. F. and Camardese, M. B. 1986. *Lethal Dietary Toxicities of Environmental Contaminants to Coturnix*, Technical Report Number 2. US Department of Interior, Fish and Wildlife Service, Washington DC. 6-55.
- Hoechst Aktiengesellschaft. 1966b. Beta-thiodan: Acute oral and subcutaneous toxicity to the mouse. Technical Report, Doc #A14024. [unpublished study]
- Hoechst Aktiengesellschaft. 1975. Beta-endosulfan pure (analysis GOE 1495): Acute oral toxicity in female SPF-Wistar rats. Technical Report, Doc #A05270. [unpublished study]
- Hoechst Aktiengesellschaft. 1966a. Alpha-thiodan: Acute oral and subcutaneous toxicity to the mouse. Technical Report, Doc #A14023. [unpublished study]
- Hoechst, 1984. Endosulfan - active ingredient technical (code HOE 02671 OI ZD97 0003): 13-Weeks toxicity study in mice (final report). Conducted for Hoechst Aktiengesellschaft, Frankfurt, Germany. Huntington Research Centre, Cambridgeshire, England. HST 229/831052. [unpublished study]

## Bibliography

- Hoechst, 1986. A dermal absorption study in rats with <sup>14</sup>C endosulfan: (Alternative version of study report MRID no. 40040701). Conducted for American Hoechst Corporation, Somerville, NJ. WIL Laboratories, Inc., Ashland, OH. Project no. WIL-39028. [unpublished study]
- Hoechst. 1989a. Endosulfan - substance technical (code HOE 02671 OI ZD97 0003): Combined chronic toxicity/carcinogenicity study: 104-Week feeding in rats. Conducted for Hoechst Aktiengesellschaft, Frankfurt, Germany. Huntington Research Centre, Cambridgeshire, England. Project no. HST 289/881067. [unpublished study]
- Hoechst. 1989b. Endosulfan - active ingredient technical (code HOE 02671 OI ZD97 0003): Carcinogenicity study in mice: 24-Month feeding study. Hoechst Aktiengesellschaft, Frankfurt, Germany. TOXN no. 83.0113. [unpublished study]
- Hoechst. 1989c. Endosulfan - substance technical (code HOE 02671 OI ZD96 0002): Testing for toxicity by repeated oral administration (1-year feeding study) to Beagle dogs. Conducted for Hoechst Aktiengesellschaft, Frankfurt, Germany. Project no. 87.0643. [unpublished study]
- Holden, H. E., Majeska, J. B. and Studwell D. 1997. A direct comparison of mouse and rat bone marrow and blood as target tissues in the micronucleus assay. *Mutat. Res.* **391**: 87-89.
- Howard, P. H. (Ed.). 1991. *Handbook of Environmental Fate and Exposure Data for Organic Chemicals and Pesticides*. Lewis Publishers, Chelsea, MI. 6-13.
- Hsie, A. W., Recio, L., Katz, D. S., Lee, C. Q., Wagner, M. and Schenley, R. L., 1986. Evidence for reactive oxygen species inducing mutations in mammalian cells. *Proc. Nat. Acad. Sci. USA.* **83**: 9616-9620.
- <http://www.mp.wa.gov.au/giz-watson/speeches/fitzroy.html>.
- Hu, T., Miller, C. M., Ridder, G. M. and Aardema, M. J. 1999. Characterization of p53 in Chinese hamster cell lines CHO-K1, CHO-WBL and CHL: Implications for Genotoxicity testing. *Mutation Research.* **426**: 51-62.
- Hudson, R. H., Tucker, R. K. and Haegele. 1984. *Handbook of Acute Toxicity of Pesticides to Wildlife*, Resource Publication **153**. US Department of Interior, Fish and Wildlife Service, Washington DC. 6-54.
- Hunt, D. M. and Jhonson, D. R. 1971. Abnormal spermatogenesis in 2 pink eyed sterile mutants in the mouse, *J. Embryol. Exp. Morphol.*, **26**: 111-121.
- Hurt, S. S. 1991. *Dicofol: Toxicological Evaluation of Dicofol Prepared for the WHO Expert Group on Pesticide Residues* (Report No. 91 R-1017). Toxicology Department, Rohm & Haas Company, Spring House, PA. 6-45.
- ICH, 1995. Topic S2A, Genotoxicity: Guidance on Specific Aspects of Regulatory Genotoxicity Tests for Pharmaceuticals, International Conference on



## Bibliography

- Harmonisation of Technical Requirement for Registration of Pharmaceuticals for Human Use. Harmonised Tripartite Guideline CPMP/ICH/141/95, approved September 1995. London: European Medicines Evaluation Agency.
- ICH, 1997. Topic S2B, Genotoxicity: A Standard Battery for Genotoxicity Testing of Pharmaceuticals, International Conference on Harmonisation of Technical Requirement for Registration of Pharmaceuticals for Human Use. Step 4 Guideline, 16 July 1997. London: European Medicines Evaluation Agency.
- International Agency for Research on Cancer, 1973. Scientific Publications, No. 10, Chemical Carcinogenesis Essays (XIV+pp. 230. Illus.) Pp. 161-181. Lyons, France.
- International Federation of Clinical Chemistry (IFCC). 1980. *Clinica. Chemica. Acta.*, **105**: 145 – 175. As cited by ERBA Test, Transasia Bio-medicals Ltd., Mumbai, India.
- IPCS, 1984. Endosulfan: *Environmental Health Criteria Monographs*, **40**: World Health Organization, Geneva, Switzerland.
- IPCS, 1988. *Endosulfan: Health and Safety Guide No.17*. International Programme on Chemical Safety, World Health Organization, Geneva, Switzerland.
- IPCS, 1998a. *Inventory of IPCS and other WHO pesticide evaluations and summary of toxicological evaluations performed by the Joint Meeting on Pesticide Residues (JMPPR)*. WHO/PCS/98.1. World Health Organization. Geneva, Switzerland.
- IPCS, 1998b. *The WHO Recommended classification of pesticides by hazards and guidelines*. WHO/PCS/98.21/Rev.1. World Health Organization, Geneva, Switzerland.
- IPCS/CEC, 1999. International Chemical Safety Cards: 0742 Endosulfan (Mixed Isomers). World Health Organization, Geneva, Switzerland.
- Ishida, Y., Negishi, C., Umemoto, A., Fujita, Y., Sato, S., Sugimura, T. *et al.* 1987. Activation of mutagenic and carcinogenic amines by S9 from the liver of a rhesus monkey, *Toxicol. In Vitro*, **1**: 45-48.
- Iyer, V. N. and Szybalski, W. 1958. Two simple methods for the detection of chemical mutagens. *Appl. Microbiol., Biol.*, **6**: 23-29.
- Jendrassik, L. and Grof, P. 1938. *Biochem. J.*, **297**: 81. As edited by ERBA – Test, Transasia Bio-medicals Ltd., Mumbai, India.
- Johnson, W. W. and Finley, M. T. 1980. *Handbook of Acute Toxicity of Chemicals to Fish and Aquatic Invertebrates*, Resource Publication 137, US Department of Interior, Fish and Wildlife Service, Washington DC. 6-56.
- Jorgensen, S.E., Jorgensen, L.A. and Nielsen, S.N. 1991. *Handbook of Ecological Parameters and Ecotoxicology*. Elsevier. Amsterdam, Netherlands.
- Joshi, S. 2001. Children of Endosulfan. *Down to Earth* **19**: Pp. 28.
- Jung, Weigand, W. and Kramer, P. 1983. Mouse micronucleus test following oral administration. Hoechst AG report No. 83.0458; document No. A31628. Submitted

## Bibliography

- to WHO by Hoechst Schering AgrEvo GmbH, Frankfurt, Germany. [Unpublished Report]
- Kao, F. T. and Puck, T. T. 1968. Genetics of somatic mammalian cells, VII. Induction and isolation of nutritional mutants in Chinese hamster cells. *Proceedings of the National Academy of Sciences*, **60**: 1275-1281.
- Khan, P. K. and Sinha, S. P. 1996. Ameliorating effect of vitamin C on murine sperm toxicity induced by three pesticides (endosulfan, phosphamidon and mancozeb). *Mutagenesis*, **11**(1): 33-36.
- Kidd, H. and James, D. R. (Eds.). 1991. *The Agrochemicals Handbook*, 3rd Edition. Royal Society of Chemistry Information Services, Cambridge, UK. Pp. 6-10.
- Kirkland, D. J., Marshall, R. R., McEnaney, S., Bidgood, J., Ruter, A. and Mullineux, S. 1989. Aroclor induced rat liver S9 causes chromosome aberrations in CHO cells but not in human lymphocytes: a role of active oxygen? *Mutation Research* **214**: 115-122.
- Klaassen, C. D. and Watkins, J. B. 1999. *Casarett & Doull's Toxicology: The basic science of Poisons*. 5<sup>th</sup> Ed. MacGraw-Hill Publishing Company, New York. Pp. 542-547.
- KNMP, 1996. Informatorium Medicamentorum, deel 1, Koninklijke Nederlandse Maatschappij ter bevordering der Pharmacie, s-Gravenhage, Germany.
- Krzanowska, H. 1976, Inheritance of sperm head abnormality types in mice and the role of the Y chromosome, *Genet. Res.*, **28**: 189-198.
- Lake, B. G. 1987. Preparation and characterization of microsomal fractions for studies of xenobiotic metabolism, In: *Biochemical Toxicology: A practical approach*. K. Snell & B. Mullock (Eds.). Oxford: IRL Press. UK. Pp.183-215.
- Latt, S. A., Juergenss, L. A., Mathews, D. J., Gustashaw, K. W. and Sahar, E. 1981. Energy-enhanced chromosome banding. An overview. *Cancer Genet. Cytogenet.*, **1**: 187-196.
- Lehr, W. 1996. Summary of intoxications with endosulfan, clinical cases and poisoning incidents, Unpublished Hoechst report No. psr96/006, 12 March 1996; document A56361. Submitted to WHO by Hoechst-Schering AgrEvo GmbH, Frankfurt-am-Main, Germany.
- Leist, K. H. 1989. Endosulfan-substance technical (code: Hoe 002671 oi ZD97 0003). Carcinogenicity study in mice, 24 months feeding study – Residue determination. Pharma Research Toxicology and Pharmacology. Unpublished Hoechst document No. A41284. Submitted to WHO by Hoechst Schering AgrEvo GmbH, Frankfurt-am-Main, Germany.
- Leoni, V., Fabiani, L. and Marinelli, G. 1989. PCB and other organochlorines in blood of women with or without miscarriage: A hypothesis of correlation, *Ecotoxicol. Environ. Safety*, **17**: 1-11.

## Bibliography

- Levin, D. E., Hollstein, M. C., Chirstman, M. F., Schwiers, E. A. and Ames, B. N. 1982a. A new *salmonella* tester strain (TA102) with A-T base-pairs at the site of mutation detects oxidative mutagens, *Proc. Nat. Acad. Sci., USA*. **79**: 7445-7449.
- Levin, D. E., Yamaski, E. and Ames, B. N. 1982b. A new *Salmonella* tester strain for the detection of frame-shift mutagens: a run of cytosines as a mutational hotspot. *Muta. Res.* **94**: 315-330.
- Little, J. B., Yandell, D.W. and Liber, H. L. 1987. Molecular analysis of mutations at the *tk* and *hgpri* loci in human cells. In: *Mammalian Cell Mutagenesis, Banbury Report No. 28*. M. M. Moore, D. M. DeMarini, F. J. De Serres, and K. R. Tindall, (Eds.), Cold Spring Harbor Laboratory Press, Cold Spring Harbor, New York. pp. 225-236.
- Lovell, D. P., Albanese, R. Clare, G., Richold, M., Savage, J. R. K., Anderson, D. *et al.* In: *Statistical Analysis of in vivo Cytogenetic assays*, Cambridge University Press, Cambridge, UK. Pp. 185-231.
- Lovell, D. P., Anderson, D., Albanese, R., Amphlett, G. E., Clare, G., Ferguson, R., Richold, M., Papworth, D. G. and Savage, J. R. K. 1989. Statistical Analysis of *In Vivo* Cytogenetic Assays In: *Statistical Evaluation of Mutagenicity Test Data*. D.J. Kirkland (Ed.) UKEMS Sub- Committee on Guidelines for Mutagenicity Testing, Report, Part III. Cambridge University Press, Cambridge, New York, Port Chester, Melbourne, Sydney, pp. 184-232.
- Lu, Y. *et al.* 2000. Genotoxic effects of  $\alpha$ -endosulfan and  $\beta$ -endosulfan on human HepG2 cells. *Environmental Health Perspectives* **108**: 559-561.
- Lyman, W. J. *Handbook of Chemical Property Estimation Methods: Environmental Behavior of Organic Compounds*. 1983. McGraw-Hill Publishers, New York. 6-33.
- Mackison, F. W., Stricoff, R. S. and Partridge, L. J. 1981. *IOSH/OSHA - Occupational Health Guidelines for Chemical Hazards*. DHHS (NIOSH) Publication No. 81-123 (3 vols.), Government Printing Office, Washington DC, U.S.
- Maier-Bode, H. 1968. Properties, effect, residues and analytics of the insecticide endosulfan. *Residue Rev.* **22**: 1-44.
- Malling, H. V. 1971. Dimethylnitrosamine: Formation of mutagenic compounds by interaction with mouse liver microsomes, *Mutat. Res.*, **13**: 425-429.
- Margolin, B. H., Resnick, M. A., Rimpo, J. Y., Archer, P., Galloway, S. M., Bloom, A. D. and Zeiger, E. 1986. Statistical analyses for *in vitro* cytogenetic assays using Chinese hamster ovary cells. *Environ. Mutagen.*, **8**: 183-204.
- Maron, D. and Ames, B. N. 1983. Revised methods for the *Salmonella* Mutagenicity test, *Mutat. Res.* **113**: 173-215.
- Martin, E. W. 1971. *Hazards of Medication: A manual on Drug Interactions, Incompatibilities, Contraindications, and Adverse Effects*. Lippincott Press, Philadelphia, PA. 6-24.

## Bibliography

- Matsumura, F. 1985. *Toxicology of Insecticides*, 2nd Edition. Plenum Press, New York, 6-54.
- Matusushima, T., Yahagi, T., Takamoto, Y., Nagao, M. and Sugimura, T. 1980. Species differences in microsomal activation of mutagens and carcinogens, with special reference to new potent mutagens from pyrolysates of amino acids and protein, In: *Microsomes, Drug Oxidations and Chemical Carcinogenesis*, M. J. Coon, A. H. Cooney, R.W. Estabrook, H. Gelboin, J. R. Gillette and P. J. O'Brien (Eds.). Academic Press, New York, USA. Pp. 1093-1102.
- McEwen, F. L. and Stephenson, G. R. *The Use and Significance of Pesticides in the Environment*. 1979. John Wiley and Sons, New York. Pp. 6-34.
- McGee, J. H., San Sebastian, J. R. and Duan Sofia, R. 1997. *In vivo* mutagenicity studies with iodinated glycerol azide. *Mutation Research*. **395**: 29-36.
- McGregor, D. B., Edwards, I., Riach, C. G., Cattanach, P., Martin, R., Mitchell, A. and Caspary, W. J. 1988c. Studies of an S9-based metabolic activation system used in the mouse lymphoma L5178Y cell mutation assay. *Mutagenesis*, **3**: 485-490.
- McGregor, J. T., Schlegel, R., Choy, W. N. and Wehr, C. M. 1983. Micronuclei in circulating erythrocytes: A rapid screen for chromosomal damage during routine toxicity testing in mice. In: *Development in the Science and Practice of Toxicology*, A.W. Hayes, R. C. Schnell and T. S. Miya (Eds.) Elsevier, Amsterdam. pp 555-558.
- McGregor, J. T., Wehr, C. M., Henika P. R., Shelby M. D. 1990. The *in vivo* erythrocyte micronucleus test: measurement as steady state increases assay efficacy and permits integration with toxicity studies. *Funda. Appl. Toxicol.* **14**: 513-522.
- McLachlan, J. A. 1997. Synergistic effect of environmental estrogens: Report withdrawn. *Science*, **277**: 462-463.
- Meister, R. T. (Ed.) 1992. *Farm Chemicals Handbook '92*, Meister Publishing Co., Willoughby, OH.
- Menzie, C. M. 1974. *Metabolism of Pesticides: Special Scientific Report: Wildlife*. US Department of the Interior, Fish and Wildlife Service, U.S. Government Printing Office, Washington DC. 6-35.
- Metcalf, R. L., Kapoor, I. P., Lu, P., Schuth, C. K. and Sherman, P. 1973. Model ecosystem studies of environmental fate of six organochlorine pesticides. *Environ. Health Perspect.*, **4**: 35-44.
- Michael, H. 2003. Endosulfan Preliminary Dossier; [www.unece.org/env/popsxg/docs/2000-2003/dossier-endosulfan-may 03.pdf](http://www.unece.org/env/popsxg/docs/2000-2003/dossier-endosulfan-may 03.pdf).
- Miller, E. C. and Miller, J. A. 1971. The mutagenicity of chemical carcinogens: correlations, problems and interpretations. In: *Chem. Mutagens Vol. I*, A. Hollaender (Ed.) Plenum, New York. pp. 83-119.

## Bibliography

- Ministry of Chemicals & Fertilizers, 2004. Productive Installed Capacity and production of chemicals (2001-2004), *Technical Report*, Monitoring and Evaluation Division, Department of Chemicals & Petrochemicals, Govt. of India, New Delhi.
- Moore, M. M., Harrington-Brook, K. De Marini, D.M. and Doerr, C. 1987b. Differential recovery of induced mutants at the mouse lymphoma *tk* and CHO *hgp**rt* loci in mammalian cells. In: *Mammalian Cell Mutagenesis*, M. M. Moore, D. M. DeMarini, F. J. De Serres, and K. R. Tindall, (Eds.) Banbury Report No. 28. Cold Spring Harbor Laboratory Press, Cold Spring Harbor, New York. pp. 93-108.
- Moore, M. M., Harrington-Brook, K., Doerr, C. L. and Dearfield K. L. 1989. Differential mutant quantitation at the mouse lymphoma *tk* and CHO *hgp**rt* loci, *Mutagenesis*, **4** and **5**: 394-403.
- Moriya, M., Ohta, T., Watanabe, K., Miyazawa. T., Kato, K., Shirasu, Y. 1983. Further mutagenicity studies on pesticides in bacterial reversion assay systems. *Mutat. Res.*, **116**: 185-216.
- Murty, A. S. 1986. *Toxicity of Pesticides to Fish*. Vol. II. CRC Press, Boca Raton, FL. Pp. 6-12.
- Myers, D. 1999. Endosulfan found in Australian beef. *Pesticides News*, **44**: 21.
- Myers, D. 2000. Cotton Tales. *New Internationalist* **323**:
- National Cancer Institute. 1978. Bioassay of Endosulfan for Possible Carcinogenicity, (*Technical Report Series No. 62*). National Institutes of Health, Bethesda, MD. Pp. 6-53.
- National Institute for Occupational Safety and Health. 1981-1986. *Registry of toxic effects of chemical substances*. Cincinnati, OH. Pp. 6-25.
- NCI, 1978. Bioassay of endosulfan for possible carcinogenicity. Carcinogenesis Testing Program, NCI *Technical Report Series No. 62*, DHEW Publication no. NIH 78-1312. Bethesda, MD: National Cancer Institute. NCI-CG-TR-62.
- NIOSH, 1998. *Pocket Guide to Chemical Hazards*. U.S. Department of Health and Human Services. Public Health Service. Centers for Disease Control and Prevention. National Institute for Occupational Safety and Health, USA.
- Olson, K. R. (Ed.) 1999. *Poisoning and drug overdose*. Appleton and Lange. pp. 133-134.
- Paasivirta, J. 1991. *Chemical Ecotoxicology*. Lewis Publishers, Chelsea, MI. Pp. 6-17.
- PANAP, 1996. Endosulfan datasheet. *Pesticide Action Network – Asia and the Pacific*, Penang, Malaysia.
- PAN-UK. 1995. 31 die from endosulfan poisoning in Sudan. *Pesticides News* **13**: 7.
- PAN-UK. 1995. On/off ban on endosulfan in Colombia. *Pesticides News* **28**: 25.
- PANUPS, 1994. International Citizen's Campaign Targets Hoechst Pesticides. *Pesticide Action Network, North America Updates Service*.

## Bibliography

- PANUPS. 1996. Endosulfan responsible for Alabama fish kill. *Pesticide Action Network North America Updates Service*.
- Park, D., Hempleman, S. C. and Propper, C. R. 2001. Endosulfan exposure disrupts pheromonal systems in the Red Spotted Newt: A mechanism for subtle effects of environmental chemicals. *Environmental Health Perspectives*, **109**: 669-673.
- Pednekar, M. D., Gandhi, S. R. and Netrawali M. S. 1987. Evaluation of mutagenic activities of endosulfan, Phosalone, Melathion and permethrin, before and after metabolic activation, in the Ames *Salmonella* Test. *Bull. Environ. Contam. Toxicol.*, **38**: 925-933.
- Pimentel, D. 1971. *Ecological Effects of Pesticides on non target Species*. President's Office of Science and Technology, Washington DC. Pp. 6-44.
- Pradhan, S., Pandey, N., Phadke, R.V., Kaur, A., Sharma, K. and Gupta, R. K. 1997. Selective involvement of basal ganglia and occipital cortex in a patient with acute endosulfan poisoning. *J. Neuro. Sci.*, **147**(2): 209-213.
- Preston, V. G. 1981. Fine-structure mapping of herpes simplex virus type 1 temperature-sensitive mutations within the short repeat region of the genome. *Journal of Virology* **39**: 150-161.
- Preston, V. G., Davison, A. J., Marsden, H. S., Timbury, M. C., Subak-Sharpe, J. H. and Wilkie, N. M. 1978. Recombinants between herpes simplex virus types 1 and 2: analyses of genome structures and expression of immediate early polypeptides. *Journal of Virology* **28**: 499-517.
- Quijano, R. F. 2000. Risk Assessment in a third world reality: An Endosulfan case History. *International Journal of Occupational and Environment Health*. **6**(4):
- Quistad, G. B., and Mulholland, K. M. 1986. Photodegradation of dienochlor. *J. Agric. Food Chem.* **31**(3): 621-624.
- Quistad, G. B., Mulholland, K. M. and Skinner, W. S. 1986. The fate of dienochlor administered orally and dermally to rats. *Toxicol. Appl. Pharmacol.* **85**(2): 215-220.
- Raizada, R. B., Srivastava, M. K., Dikshith, T. S. S. 1991. Lack of estrogenic effects of endosulfan: An organochlorine insecticide in rat. *Nat. Acad. Sci. Lett.* **14**: 103-107.
- Raloff, J. 1998. Common pesticide clobbers amphibians. *Science News*, **154**: 150.
- Ramamoorthy, K., Wang, F., Chen, I. C., Norris, J. D., McDonnell, D. P., Leonard, et al. 1997. Estrogenic activity of a dieldrin/toxaphene mixture in the mouse uterus, MCF-7 human breast cancer cells, and yeast-based estrogen receptor assays: No apparent synergism. *Endocrinology*, **138**: 1520-1527.
- Rastogi, P. B. and Levin, R. E. 1987. Induction of sperm abnormalities in mice by quercetin. *Environmental Mutagenesis*, **9**(1): 79-86.
- Reigart, R. J., Roberts, J. R. 1999. *Recognition and Management of Pesticide Poisonings*. 5<sup>th</sup> Edition. US Environment Protection Agency, USA. Pp. 55-62.

## Bibliography

- Richold, M., Ashby, J., Bootman, J., Chandley, A., Gatehouse, D. G. and Henderson, L. *In Vivo* Cytogenetics Assays, In: *Basic Mutagenicity Tests, UKEMS Recommended Procedures*. 1990. D. J. Kirkland (Ed.) UKEMS Subcommittee on Guidelines for Mutagenicity Testing. Revised Report. Part I. Cambridge University Press, Cambridge, New York. Pp. 115-141.
- Riley, V. 1960. Adaptation of orbital bleeding technique to rapid serial blood studies. *Proc. Soc. Exp. Biol. and Med.*, **104**: 750.
- Rohm and Haas Company, 1991. *Material Safety Data Sheet for Kelthane*, Technical B Miticide. Philadelphia, PA. Pp. 6-46.
- Roméo, M., Bennani, N., Gnassia-Barelli, M., Lafaurie M. and Girard, J. P. 2000. Cadmium and copper display different responses towards oxidative stress in the kidney of the Sea Bass *Dicentrarchus labrax*. *Aquatic Toxicology*, **48**(2-3): 185-194.
- Ron, M., Cucos, S. and Rosenn, B. 1988. Maternal and fetal serum levels of organo-chlorine compounds in cases of premature rupture of membranes. *Acta. Obstet. Gynecol. Scand.*, **67**: 695-697.
- Salamone, M. F. and Heddle, J. A. 1983. The Bone marrow micronucleus assay, Rational for a revised protocol, In: *Chemical Mutagenesis*. F. J. Deserrer (Ed.), Plenum, New York. Pp. 111-149.
- Sancewicz-Pach, K., Groszek, B., Pack, D., and Klys, M. 1997. Acute pesticide poisoning in pregnant women. *Przegl Lek*, **54**(10): 741-744.
- Savage, J. R. K. 1975. Classification and relationship of induced chromosomal structural changes. *J. Med. Genet.*, **12**: 103 -122.
- Sax, N. I. 1984. *Dangerous Properties of Industrial Materials*, 6th Edition. Van Nostrand Reinhold. New York, USA.
- SCCNFP, 2004. Recommended Mutagenicity/ Genotoxicity Tests for the Safety Testing of Cosmetic Ingredients to be Included in the Annexes to Council Directive 76/768/EEC.SCCNFP/0755/03,Adopted 23<sup>rd</sup> April 2004.
- SCCP, 2006. Updated Recommended Strategy for Testing Oxidative Hair Dye Substances for their Potencial Mutagenicity/ Genotoxicity.SCCP/0971/06,28<sup>th</sup>March 2006.
- Schmid, W. 1976. The micronucleus test for cytogenetic analysis. In: *Chemical Mutagenesis*. Hollander (Ed.), Plenum, New York. Pp. 31-53.
- Sebastien, A., Ledirac, N., Anne-Pascale, L., Lenormand, P., Jean-Claude, C. and Rahmani, R. 2007. Endosulfan decreases cell growth and apoptosis in human HaCaT keratinocytes: Partial ROS-dependent ERK1/2 mechanism. *Journal of Cellular Physiology*, **213**(1): 177 – 186.
- Seuanez, H. N., Carothers, A. D., Martm, D. E. and Short, R.V. 1977. Morphological abnormalities in spermatozoa of man and great apes. *Nature*, **270**: 345-347.
- Shein-Chung Chow (Ed.): 1998. *Design and Analysis of animal Studies in Pharmaceutical Development*, Marcel Dekker, New York. pp.360-370.

## Bibliography

- Shelby, M. D., Newbold, R. R., Tully, D.B., Chae, K., Davis, V. L. 1996. Assessing environmental chemicals for estrogenicity using a combination of *In vitro* and *In vivo* assays. *Environmental Health Perspectives*, **104**: 1296-1300.
- Shell International Chemical Company Limited, 1990. *Shell: Agriculture Safety Guide*, Crop Protection Division, Shell Centre, London. Pp. 35-36 and Pp. 71-75.
- Shemesh, Y., Bourvine, A., Gold, D., Brancha, P. 1989. Survival after acute endosulfan poisoning. *J. Toxicol. Clin. Toxicol.*, **26**(3-4): 265-268.
- Shetty, P. K., Mitra, J., Murthy, N. B. K., Namitha, K. K., Savitha K. N. and Raghu K. 2000. Biodegradation of cyclodiene insecticide endosulfan by *Mucor thermo-hyalospora* MTCC 1384. *Current Science*, **79**(9): 1381-1383.
- Shimada, T. and Okuda, Y. 1988. Metabolic activation of environmental carcinogens and mutagens by human liver microsomes, *Biochem. Pharmacol.* **37**: 459-465.
- Singh, S. K. and Pandey, R. S. 1989. Gonadal toxicity of short term chronic endosulfan exposure to male rats. *Indian Journal of Experimental Biology*, **27**: 341-346.
- Sinha, N., Narayan, R. and Saxena, D. K. 1997. Effect of endosulfan on the testis of growing rats. *Bull. Environ. Contam. Toxicol.*, **58**: 79-86.
- Sinha, S. P. and Prasad, V. 1990. Effect of dietary concentration of crude aflatoxin on meiotic chromosomes, sperm morphology and sperm count in mice, *Mus musculus*. *Proc. Indian Nat. Sci. Acad.*, **B56**: 269-276.
- Smith, A. G. 1991. Chlorinated Hydrocarbon Insecticides, In: *Handbook of Pesticide Toxicology*. W. J. Hayes, Jr. and E. R. Laws, Jr. (Eds.) Academic Press Inc., New York, USA. 6-38.
- Smith, D. W. E. 1966. Mutagenicity of cycasin aglycone (methylazoxymethanol) a naturally occurring carcinogen. *Science*, **192**: 1273-1274.
- Snee, R. D. and Irr, J. D. 1981. Design of a statistical method for the analysis of mutagenesis at the hypoxanthine-guanine phosphoribosyl transferase locus of cultured Chinese hamster ovary cells. *Mutat. Res.*, **85**(2): 77-93.
- Soares, E. R., Sheridan, W., Haseman, J. K. and Segall, M. 1979. Increase frequency of aberrant sperm as indicators of mutagenic damage in mice, *Mutation Research*, **64**: 27-35.
- Sobti, R. C., Krishnan, A. and Davies, J. 1983. Cytokinetic and cytogenetic effect of agricultural chemicals on human Lymphoid cells *In vitro*; II. Organochlorine pesticides. *Archives of Toxicology*, **52**: 221-231.
- Sofuni, T., Matsuoka, A., Sawada, M., Ishidate Jr. M., Zeiger, E. and Shelby, M. D. 1990. A comparison of chromosome aberration induction by 25 compounds tested by two Chinese Hamster Cells (CHO and CHL) systems in culture. *Mutation Research*, **241**: 175-213.
- Sood, A. K., Yadav, S. P. and Sood, P. 1994. Endosulfan poisoning presenting as status epilepticus. *Indian J. Med. Sci.* **48**(3): 68 -69.



## Bibliography

- Soto, A. M., Chung, K. L., Sonnenschein, C. 1994. The pesticides endosulfan, toxaphene and dieldrin have estrogenic effects on human estrogen-sensitive cells. *Environ. Health Perspectives*, **102**: 380-383.
- Soto, A. M., Sonnenschein, C., Chung, K. L., Fernandez, M. F., Olea, N., Serrano, F. O. 1995. The E-screen assay as a tool to identify estrogens: An update on estrogenic environmental pollutants. *Environ Health Perspectives*, **103**: 113-122.
- Spinner, N. B., Rand, E. B., Fortina, P., Genin, A., Taub, R., Semeraro, A. and Piccoli, D. A. 1994. Cytologically balanced t (2;20) in a two-generation family with alagille syndrome: cytogenetic and molecular studies. *Am. J. Hum. Genet.*, **55**(2): 238-243.
- Stankowaski, L. F., Jr and Hsie, A. W. 1986. Quantative and moleciular analysis of radiation-induced mutations in AS52 cells. *Radiat. Res.*, **105**: 37-48.
- Statland, B. E. and Winkel, P. 1984. Pre-instrumental sources of variation. In: *Clinical Diagnosis and Management of Laboratory Methods*, J. B. Henry and W. B. Saunders, Philadelphia. Pp. 61-73.
- Suber, L. R. 1994. Clinical Pathology, Methods for Toxicology Studies. In: *Principles and Methods of Toxicology*, 3rd Edition, A. W. Hayes (Ed.), Raven Press, Ltd., New York, USA. **20**: 729-766.
- Surendranath, C. 2001. Double trouble. *Down To Earth* **10**:
- Szybalski, W. 1958. Special microbiological systems: 2. Obeservations on chemical mutagenesis in microorganisms, *Ann. Amer. Acad. Sci.* **76**: 475-489.
- Talke, H. and Schubert, G. E. 1965. *Klin. Wchenschr.*, **43**: Pp. 174. As edited by ERBA – Test, Transasia Bio-medicals Ltd., Mumbai, India.
- Tan, E. L. and Hsie, A. W. 1981. Mutagenicity and cytotoxicity of haloethanes as studied in the CHO/HGPRT system. *Mutat. Res.*, **90**(2): 183-191.
- Technical Guidance Document (TGD) 2003. *Technical Guidance Document*, 2<sup>nd</sup> Edition. European Chemicals Bureau, Joint Research Centre, Italy. <http://ecb.jrc.it/new-chemicals/documents>-accessed December 2003.
- Terziev, G., Dimitrova, N. and Rusev, F. 1974. Forensic medical and forensic chemical study of acute lethal poisinnins with Thiodan. *Folia Med.*, **16**: 325-329.
- THANAL, 2001. Preliminary Findings of the Survey on the Impacts of Aerial Spraying on the People and the Ecosystem. Thanal Conservation and Information Network, Thiruvananthapuram, India.
- THANAL. 2002. Experts Confirm Endosulfan Poisoning. Thanal Conservation Action and Information Network, Kerala, India. Press Release [22 January 2002].
- Tillman, A. 1992. Residues, Environmental Fate and Metabolism Evaluation of Dicofol, prepared for the FAO Expert Group on Pesticide Residues. (*Report No. AMT 92-76*). Rohm and Haas Company, Philadelphia, PA. Pp. 6-47.
- Toa Medical Electronics Co. Ltd. 1988. *Sysmex Operators Manual K – 1000*., Kobe, Japan.

## Bibliography

- Tomlin, C. (Ed.) 1994. *The Pesticide Manual. Incorporating the Agrochemicals Handbook*. The British Crop Protection Publications. Pp.171-172.
- Ton, P. *et al.* 2000. Endosulfan deaths and poisonings in Benin. *Pesticides News* **47**: 12-14.
- Trabalka, J. R. and Garten, C. T., Jr. *Development of Predictive Models for Xenobiotic Bioaccumulation in Terrestrial Ecosystems*. Environmental Sciences Division Publication No. 2037. Oak Ridge National Laboratory, Oak Ridge, TN. Pp. 6-67.
- Trinder, P. 1969. *Ann. Clin. Biochem.*, 6(24). As edited by ERBA Test, Transasia Bio-medicals Ltd., Mumbai, India.
- Turner, N. T., Batson A. G. and Clive, D. Procedures for the L5178Y/TK<sup>+</sup> TK<sup>-</sup> Mouse Lymphoma Cell Mutagenicity Assay In: *Handbook of Mutagenicity Test Procedures*, 2<sup>nd</sup> Edition, 1984. B. J. Kilbey, M. Legator, W. Nicholas and C. Ramel (Eds.) Published by Elsevier Science Publishers BV. pp-239-268.
- U.S. Agency for Toxic Substances and Disease Registry, 1989. *Toxicological Profile for Chlordane* (ATSDR/TP-89/06). Atlanta, GA. Pp. 6-21.
- U.S. Agency for Toxic Substances and Disease Registry. 1990. *Toxicological Profile for Endosulfan. Draft Report*. Atlanta, GA, Pp. 6-52.
- U.S. Agency for Toxic Substance and Disease Registry. 1992. *Toxicological Profile for Pentachlorophenol. Draft Report*. Atlanta, GA,.
- U.S. Agency for Toxic Substance and Diseases Registry. 1994. *Toxicological Profile for Hexachlorobenzene (Update) Draft for Public Comment*. Atlanta, GA. Pp. 6-60.
- U.S. Environmental Protection Agency. Health Advisory Summary: *Dalapon*. Office of Drinking Water, Washington DC, USA. Pp.6-43.
- U.S. Environmental Protection Agency, 1989. Health Advisory Summary: Chlordane. *Technical Report*, Office of Drinking Water, Washington DC, USA. Pp. 6-22.
- U.S. Environmental Protection Agency, 1995. Integrated Risk Information System, Washington DC, USA. Pp. 6-9.
- U.S. Environmental Protection Agency. 1968-81. Pesticide Abstracts: 75-0098, 78-2944, 79-1635, 80-0246, 81-1983. Washington DC, USA. Pp.6-69.
- U.S. Environmental Protection Agency. 1981. *Dienochlor*. Washington DC, USA. Pp. 6-50.
- U.S. Environmental Protection Agency. 1983. *Guidance for the Re-registration of Pesticide Products Containing Chlorobenzilate as the Active Ingredient*. Washington DC, USA. Pp. 6-7.
- U.S. Environmental Protection Agency. 1983. *Guidance for the Re-registration of Pesticide Products Containing Chlorobenzilate as the Active Ingredient*. Washington DC, USA. Pp.6-30.
- U.S. Environmental Protection Agency. 1984. *Pesticide Fact Sheet Number 15: Chlorobenzilate*. Office of Pesticides and Toxic Substances, Washington DC, USA. Pp.6-32.

## Bibliography

- U.S. Environmental Protection Agency. 1985. *Pesticide tolerance for chlorothalonil*. Fed. Regist. **50**: Pp. 6-37.
- U.S. Environmental Protection Agency. 1986. *Pesticide Fact Sheet Number 109: Chlordane*. Office of Pesticides and Toxic Substances, Washington DC, USA. 6-27.
- U.S. Environmental Protection Agency. 1987. Chlorothalonil Health Advisory. Draft Report. Office of Drinking Water, Washington DC, USA. Pp. 6-36.
- U.S. Environmental Protection Agency. Health Advisory Summaries: 1989. *Methoxychlor*. Office of Drinking Water, Washington DC. USA. Pp. 6-66.
- U.S. Environmental Protection Agency. 1990. *Toxicology One-Line Summary: Dienolchlor*. Environmental Fate and Effects Division, Washington DC, USA. Pp. 6-48.
- U.S. Environmental Protection Agency. 1994. National Primary Drinking Water Standards (EPA 810-F94-001-A). Washington, DC. Pp.6-68.
- U.S. Environmental Protection Agency. 1995. Health Advisory Summary: Chlordane. Office of Drinking Water, Washington DC, USA. 6-26.
- U.S. National Library of Medicine. 1995. Hazardous Substances Data Bank. Bethesda, MD, Pp. 6-18.
- U.S. Occupational Safety and Health Administration. 1994. *Permissible Exposure Limits for Air Contaminants*, (29 CFR 1910. 1000, Subpart Z). U.S. Department of Labor, Washington DC, USA. Pp. 6-29.
- Ulman, E. L. 1972. *Monograph of an Insecticide*. Springer Verlag, Federal Republic of Germany. Pp. 6-65.
- US Environmental Protection Agency. 1989. Environmental Fate and Effects Division, Pesticide Environmental Fate One Line Summary: DDT (p, p'). Washington, DC.
- Usha Rani, M. V., Reddi, O. S. and Reddy, P. P. 1980. Mutagenicity studies involving aldrin, endosulfan, dimethoat, phosphamidon, carbaryl and Ceresan. *Bull. Environ. Contam. Toxicol.*, **25**: 277-282.
- Van Ert, M. and Sullivan, J. B. 1992. Organochlorine Pesticides, In: *Hazardous Materials Toxicology, Clinical Principles of Environmental Health*. J. B. Sullivan and G. R. Krieger, Williams & Wilkins, Baltimore, MD, USA.
- Vankar, P. *et al.* 2001. Analysis of samples from Padre village in Kasagarod district of Kerala for endosulfan residues. *Pollution Monitoring Laboratory – Pesticide Residue Monitoring Study CSE/PRM-1/2001*. Centre for Science and Environment, New Delhi, India.
- Vettorazzi, G. 1979. *International Regulatory Aspects for Pesticide Chemicals*. CRC Press, Boca Raton, FL. Pp. 6-38.
- Volkner, W. 2000. The potential of endosulfan to induce chromosome aberrations in bone marrow cell of the rat. Guidelines: OECD 475 (1997), EEC B.11 (1992) and EPA 870.5385 (1998). [Unpublished Report]

## Bibliography

- Voss, G. and Sachsse, K. 1970. Red blood cell and plasma cholinesterase activities in micro samples of human and animal blood determined simultaneously by a modified acetylcholine/DTNB procedure. *Toxicology and Applied Pharmacology*, **16**: 764-772.
- Wade, M., Desaulniers, D., Leingartner, K. and Foster, W. 1997. Interactions between endosulfan and dieldrin on estrogen-mediated processes, *In vitro* and *In vivo*. *Reprod. Toxicol.*, **11**: 791-798.
- Wagner, S. L. 1981. *Clinical Toxicology of Agricultural Chemicals*. Oregon State University Environmental Health Sciences Center, Corvallis, OR. Pp.6-71.
- Ware, G. W. 1986. *Fundamentals of Pesticides: A Self-Instruction Guide*. Thompson Publications, Fresno, C.A. Pp. 6-24.
- Wasserman, M., Ron, M., Bercovici, B., Wasserman, D., Cucos, S. and Pines, A. 1982. Premature delivery and organochlorine compounds: polychlorinated biphenyls and some organochlorine insecticides, *Environ. Res.*, **28**: 106-112.
- Wauchope, R. D., Buttler, T. M., Hornsby, A. G., Augustijn Beckers, P. W. M. and Burt, J. P. SCS/ARS/CES. 1992. Pesticide properties database for environmental decision making. *Rev. Environ. Contam. Toxicol.* **123**: 1-157.
- Weed Science Society of America. 1989. *Herbicide Handbook*, 6th Edition. Champaign, IL, USA. Pp. 6-42.
- Whitfield, H. J. Jr., Martin, R. J. and Ames, B. N. 1966. Classification of aminotransferase (C gene) mutants in the histidine operon. *J. Mol. Biol.* **21**: 335-355.
- WHO. 1984. *Endosulfan. International Programme on Chemical Safety*. Environmental Health Criteria 40. Geneva, Switzerland. Pp.1-62.
- WHO/UNEP/ILO, 1984. International Programme on Chemical Safety. Environmental health criteria 40 – endosulfan.. Geneva, Switzerland.
- Williams, W. M., Holden, P. W., Parsons, D. W. and Lorber, M. N. 1988. *Pesticides in Ground Water Data Base 1988 Interim Report*. U.S. Environmental Protection Agency, Office of Pesticides and Programs, Washington DC, USA. Pp.6-64.
- Wilson, V. S. and LeBlanc, G. A. 1998. Endosulfan elevates testosterone biotransformation and clearance in CD-1 mice. *Toxicol. Appl. Pharmacol.* **148**(1): 158-168.
- World Health Organization (WHO) 1989. Environmental health Criteria 83, DDT and its Derivatives and Environmental Effects. World Health Organization, Geneva, Switzerland.
- World Health Organization (WHO), 1984. *Handbook on Endosulfan – Environmental Health Criteria 40*, World Health Organisation, Geneva, Switzerland.
- World Health Organization (WHO). 1979. *Environmental Health Criteria 9, DDT and its Derivatives*. World Health Organization, Geneva, Switzerland.
- World Health Organization, 2002. The WHO Recommended *classification of Pesticides by Hazard and Guidelines to Classification 2000–2002*. Geneva, Switzerland.

## Bibliography

- World Health Organization. 1984. *Environmental Health Criteria 38: Heptachlor*. Geneva, Switzerland. Pp. 6-59.
- World Health Organization. 1984. *Environmental Health Criteria 38: Heptachlor*. Geneva, Switzerland. Pp. 6-2.
- World Health Organization. 1989. *DDT and its Derivatives: Environmental Aspects*. Environmental Health Criteria 83. WHO, Geneva, Switzerland. Pp. 6-11.
- Wroblewski, F. and LaDue, J. S. 1956. International Federation of Clinical Chemistry (IFCC). *Proc. Soc. Exper. Biol. And Med.*, **91**: 569. As cited by ERBA Test, Transasia Bio-medicals Ltd., Mumbai, India.
- Wyrobeck, A. J. and Bruce, W. R. 1975, Chemical induction of sperm abnormalities in mice. *Proc. Nat. Acad. Sci. USA*. **72**: 4425-4429.
- Wyrobeck, A. J., Gordon, L. A., Burkhart, J. G., Fransis, M. W., Kapp, R.W., Letz, G. *et al.* 1983a. An evaluation of the mouse sperm morphology test and other sperm tests in non human mammals: A report of the gene tox program. *Mutation Res.*, **115**: 1-72.
- Wyrobeck, A. J., Gordon, L. A., Burkhart, J. G., Fransis, M. W., Kapp, R. W., Letz, G. *et al.* 1983b. An evaluation of human sperm as indicators of chemically induced alterations of spermatogenesis function. *Mutation Res.*, **115**: 72-148.
- Wyrobeck, A. J., Watchmaker and Gordon, L. 1984. Sperm morphology testing in mice, In: *Handbook of Mutagenic Test Procedures*, B. J. Kilbey, M. Legator, M. Nichols and C. Ramel (Eds.) 2<sup>nd</sup> Edition. Elsevier, Amesterdam. Pp.739-750.
- Yadav, A. S., Vashishat, R. K., and Kakar, S. N. 1982. Testing of endosulfan and fenitrothion for genotoxicity in *Saccharomyces cerevisiae*. *Muta. Res.*, **105**: 403-407.
- Yadav, K. and Jeevan, S. 2002. Endosulfan Conspiracy. *Down to Earth*, [http://www.cseindia.org/html/endosulfan/endosulfan\\_index.htm](http://www.cseindia.org/html/endosulfan/endosulfan_index.htm).
- Yandell, D. W., Dryja, T. P. and Little, J. B. 1984. Somatic mutations at a heterozygous autosomal locus in human cells occur more frequently by allele loss than by intergenic structural alterations. *Somatic Cell Mol. Gene.*, **12**: 255-263.
- Zeiger, E., Anderson, B., Haworth, S., Lawlor, T. and Mortelmans, K. 1988. *Salmonella* mutagenicity tests: iv Results from the testing of 300 chemicals. *Environ. Mutagen.* **9** (12) 1-158.