

BIBLIOGRAPHY

- Adriano, D.C. 1986. Trace Elements in the Terrestrial Environment. Springer-Verlag, New York. (as cited by Gearheart et al., 1992.)
- Aery, N.C. and Tiagi, Y. D. 1987. Biogeochemisty of lead at Zawar mines, Udaipur (India). In: *Science, Development and Environment, Society of Biosciences*, Agrawal, V.P. and Rana, S.V.S. Eds., Muzaffarnager, India, pp 113.
- Agrawal, K. M., Sharma, H. C. and Agrawal, A. L. 1988. Indian J. Environ. Hlth., 30(3) 234-291 (as cited by Rao and Rao, 1992)
- APHA, AWWA and WPCF 1981. Standard Methods for the Examination of Water and Waste water, 15th Ed. American Public Health Association, Washington, D.C., U.S.A.
- Arunchalam, J., Gangadharan, S. and Yegna Subramanium, S. 1979. Elemented data on human hair sampled from Indian student population and their interpretation for studies in environment exposure, IAEA symposium on nuclear activation techniques in Life Science, Vienna, Proceedings STI/PDB 492, 499-513.

Barodawala, S.F. 1990. Geo - Environmental studies in and around Baroda City. A. Ph.D thesis, M.S.University of Baroda.

Barry, S.A.S. and Clark, S.C 1978.Problems of interpreting the relationship between the amounts of lead and zinc in plants and soil on metalliferrous wastes. *New Phytol* 81, -773.

Bhaskaran, S. and Lall, S.B. 1994. Enzymological abberations in the ovary of sexually mature breeding females of *Channa punctatus* Bloch challanged by Lead nitrate and Zinc sulphate. *Indian Journal of Environment and Toxicology* 7(2) 33-37.

Braganca, A and Sanzgiry, S. 1980. Concentration of few trace metals in costal and offshore regions of the Bay of Bengal. *Ind. J. Mar. Sci.*,9 :238-286 .

Brooks, R.R. 1972. Geobotany and Geochemistry in mineral exploration, Harper and Row, New York, U.S.A., 290.(as cited by Sarangi et al., 1993)

Carpenter, K.E. 1924. A study of flora of rivers polluted by lead mining in the Aberyst wyth district of Cardiganshire. *Annals of applied Biology*, 11: 23 (as cited by Gearheart et al., 1972)

- Chan, E., Bursztynsky, T. A, Hantzsche, N. and Litwin, Y. J.1982. The use of wetlands for water pollution control. EPA 600/52-82-086(as cited by Gearheart et al., 1992.)
- Chapman, R. M. and Shacklette, H.T. 1960. Geochemical exploration in Alaska. U.S. Geological Survey Prof. Paper 400-B : 104.
- Connell, Des W. and Gregory J. Miller. 1984. *Chemistry and Ecotoxicology of Pollution*. John Wiley and Sons, New York, N.Y. (as cited by Gearheart et al., 1992).
- Cunningham, L. M., Collins, F.W. and Hutchinson, T.C. 1975. Physiological and biochemical aspects of cadmium toxicity in soyabean. Proc. of International Conf. on Heavy Metals in the Environment, Toronto, Canada. 97. (as cited by Sarangi et al., 1993).
- Czarnowski, W and Krechiak, J. 1990. Fluoride in hair and urine of children in the vicinity of a phosphate industry waste disposal site. *Fluoride* 23(3) :199-122
- Davis, Susan and Randy Coots 1989. Woodland and Woodard Creek Basin, Stormwater Quality Survey. Thurston's Country Public Works Department, City of Lacey, and City of Olympia, WA, 61pp . plus appendices. (as cited by Gearheart et al., 1992).

- Eva, P.I.P 1993. Cadmium, copper and lead in wild rice from central Canada. *Arch. Environ Contam. Toxicol* 24(2) 179-181.
- Eisler Ronald 1981. Trace metal concentrations in marine organisms. Pergamon Press, New York, N.Y. (as cited by Gearheart et al., 1992)
- Eisler Ronald 1985. Cadimun hazards to fish, wildlife and invertebrates; A synoptic review. United Stated fish and wildlife service biological report 85 (1.2), Contaminant Hazard Reviews. (as cited by Gearheart et al., 1992)
- Eisler Ronald 1986. Chromium hazards to fish, wildlife and invertebrates; A synoptic review. United Stated fish and wildlife service biological report 85 (1.6), contaminant hazard reviews. (as cited by Gearheart et al., 1992)
- Eisler Ronald 1988. Arseinc hazards to fish, wildlife and invertebrates; A synoptic review. United Stated fish and wildlife service biological report 85 (1.12), contaminant hazard reviews. (as cited by Gearheart et al., 1992)
- Eisler Ronald 1988. Lead hazards to fish, wildlife and invertebrates; A synoptic review. United Stated fish and wildlife service biological report 85 (1.14), contaminant hazard reviews. (as cited by Gearheart et al., 1993)

- Gearheart Robert, Wood ward-clyde, Brad Finney, George Waller and Doug Titus 1992. Part I : Abstract/summary Metal Literature Review. Hayward Marsh Study, U.S.A. 1 - 129
- Hariono, B., Ng, J and Sutton, R.H. 1993. Lead concentrations in the tissues of fruit bats (*pteropus. sp*) In urban and non-urban locations, *WILDL RES.* 20(3):315-320.
- Hasset, J.J., Miller, J. E. and Koeppe, D.E. 1976. Interaction of Lead and Cadmium on maize root growth and uptake of lead and cadmium by roots. *Environ. Pollut.* 11: 297
- Jennett, J.C. Effler, S.W. and Wixson, B.G. 1980. Mobilization and Toxicological aspects of sedimentary contaminants, In : contaminants and sediments, Vol- I, Fate and transport case studies, Modeling Toxicity, R. A. Baker (ed) Ann. Arbor. Mich : 429-444.
- Joe, Ross. M Welch, Kabola and Darrell. R Van Campen 1992. Partitioning of Cadmium, Copper, Lead and Zinc amongst above ground parts of seed and grain crops grown in selected locations in the USA. *Environ Geochem Hlth* 14(3): 91-100.
- John, M.K., Van Laerhoven, C.J. and Chuah, H.H. 1972. Factors affecting plant uptake and phytotoxicity of Cadmium added to soils. *Environ Sci Technol* 6: 1005.

- Jones, L. P. H., Clement, C.R and Hopper, M.J. 1973. Lead uptake by perennial tye grass and its transport from roots to shoots. *Plant and Soil* 38: 403
- Kabata-pendias, A and Pendias, H 1984. Trace elements in Soil and plants CRC press Inc Boca Raton, FL 315, (as cited by Gearheart et al, 1992).
- Kaviraj, A and Konar, S.K 1982. Acute toxicity of mercury, chromium and cadmium to fish, plankton and worm. *Geobios.*, 9: 97-100.
- Kelly, M 1988. Mining and the freshwater environment. Elsenier Applied Science, New York. (As cited by Gearheart et al., 1992.)
- Kopper, B. J. and Kulkarni, R.S. 1993. Hepatic and gonadal (ovarian), Response to Chronic pesticidal exposure in fish, *Notopterus*. 147-158. In: *Man science and environment* (Dr. Ram Prakash, Eds) New Delhi.
- Kothari, S. and Suneeta, G 1990. Studies on the accumulation and toxicity of zinc sulfate in the liver of cat fish *Heteropneustes fossilis* (B1). Proceedings of the second Asian fisheries forum at Tokyo, Japan 947-950. In toxicity in mercury and zinc in the liver of cat fish. (As cited In : *Recent Advances In Fresh Water Biology*, Vol-1 by Prof. K. S. Rao, New Delhi.)

- Kumavat, D. M. 1990. Plant response against air pollution with reference to heavy metals. Ph.D thesis submitted to Vikram University, Ujjain, India.
- Leland, H.V. and Kuvabara J.S. 1985. Trace metals in fundamentals of aquatic toxicology; methods and applications, Rand, G.M. and petrocelli, S.R. (eds) Hemisphere Publishing Cooperations, New York U.S.A. (as cited by Gearheart et al., 1992.)
- Maybeck, Michel, Deborah Chapman, and Richard Helmer (Eds.) 1989. Global Freshwater Quality. Global Environmental Monitoring System, World Health Organization, and United Nations Environment Programme, Basil Blackwell inc., Cambridge, M.A. (as cited by Gearheart et al., 1992.)
- Miller, J.E., Hasset, J.J. and Koeppe, D.E. 1977. Interaction of lead and cadmium on metal uptake and growth of corn plants. *J. Environ Qual* 6 : 18
- Mitra, A., Ghayasuddin, M.D. and Chaudhry, A. 1994. Effect of zinc, copper, iron cobalt, nickel, lead on *Ipomea pescorpis* *Indian J. Environ. Hlth* 36(2) 119-123
- Moavad, M., Abuzid, and Obukhove, A.I 1992. The effect of soil pollution by copper on the state of plants and on the uptake of heavy metals by corn plants. *Mosk univ ser XVII pochvoved* 0(3): 40-43.

- Moore, James W. and S. Ramamoorthy 1984. Heavy Metals in Natural Waters : Applied Monitoring and Impact Assessment. Springer- Verlag New York, NY. (as cited by Gearheart et al., 1992).
- Norey, C.G., Brown, M.W., Cryen, A. and Kay, J. 1990. A comparison of accumulation, tissue distribution of the accumulation and secretion of cadmium in different species of fresh water fish. *Comp Biochem. Physiol.*, 96: 181-184.
- Part, P and Svanberg, O. 1981. Uptake of cadmium in perfused rainbow trout (*Salmo gairdneri*) gills. *Can J. Fish. Aquatic Sci.*, 38: 917-924.
- Patel, C.B. and Pandey, G.S. 1987. *Indian J. Environ. Hlth.*, 29(1) 26-31. (as cited by Rao and Rao., 1992)
- Rand, G. M. and Petrocelli, S. R. 1985. Fundamentals of aquatic toxicology, Hemisphere publishing corporation New York. 666. (as cited by Gearheart et al., 1992).
- Rao, J.K.S. and Rao, V. G. 1992. A Review of metal distribution in Indian Environment. *Indian Journal of Environment and Toxicology* 2(1), 1-13.
- Riolfatti, M., Pacca gnella, B. and Ranazzolo, E. 1992. Health risks and heavy metals in human tissues. *IG MOD.*, 98(3) : 436 - 444.

- Saager, P.M. DeBaar, H.J.W. and Howland, R.J. 1992. Copper, Zinc, Nickel and Chromium in the Indian Ocean : *Deep Sea Res.*, 39(1): 9-35.
- Sarangi, B. Sarangi, A and Tiwari, T.N. 1993. Concentrations of Cu, Zn, Cd and Pb in the leaves of some Common Plants around sargipali Lead-Zinc Mines, Sundargarh, (Orissa). In: *Advances in Environmental sciences*. By A.K. Tripathi, Ashish Publishing house, pp144-200.
- Schutz, D.I. and Turekain, K.K. 1965. The Investigation of geographical and vertical distribution of Several trace elements in sea water using neutron activation analysis. *Geochim Cosmochim Acta* 29 : 259-313.
- Sengupta, R., Singbal, S.V.S. and Sanzgiry, S. 1978. Atomic absorption analysis of few trace metals in Arabian sea waters. *Ind. J. Mar Sci* 7 : 295-299
- Sobotovich, E.V., Oishtynskii, S.P. and Ya Abramis, A. 1992. Peculiarities of changes in the chemical composition of ground waters in the territory of the old podol in kiev caused by industrial pollution. *Dokl Akad Nauk Ukr* 0(5) : 103-107
- Sonderva, K.V. 1994. Some observation on B. dussumieri after sub lethal exposure to mercury, copper and cadmium. A Ph.D thesis., South Gujarat University, Surat.

- Sprague, J.B. 1985. Factors that modify toxicity, Chapter-6
In : *Fundamental of Aquatic Toxicology*, Gary, M. Rand &
Sam R. Petrocelli (eds), Hemisphere Publishing
Corporation, New York, NY, 124-163.
- Thomas, E., Lakshmi. R, Kundu, R. and Mansuri, A.P. 1992.
Inorganic mercury induced histopathological changes in the
gills of mud skipper Boleophthalmus dentatus. *Indian
Journal of Environment and Toxicology* 2(1) : 15-22.
- Tiagi, Y.D. and Aery, N.C.1981. Biogeochemical studies in
zinc deposit areas of Zawar mines, Rajasthan, India. Proc.
Ind. Natl. Sci. Acad. 47 : 867.
- Timm,B. 1993. Too much metal on the move. sweden. *enviro*,
International Magazine on the Environment, Vol . 16 :24
- Timperely, M.H., Brooks, R.R. and Peterson, P. J 1970. The
significance of essential and non-essential trace elements
in plants in relation to biogeochemical prospecting. *J.
Appl. Ecol.* 7: 429.
- Totawat, K. R., Upadhayay, R. N. and Chauhan, S. C. 1994.
Effects of zinc smelter effluents on water, land and
vegetation. *Indian J. Environ. Hlth* Vol. 36, No.. 4 : 237
- 247.

Tsuguyoshi, S., Tetsuro, M., Yoshinaga, J., Hideki, I.,
Minalo, N., Naol, M and Hirokatsu, A. 1993. The hair organ
relationship in mercury concentration in contemporary
Japanese. *Arch Environ. Hlth.* 48(4) : 221-229

Vincent, S and Ambrose, T. 1994. Influences of heavy metals,
cadmium and chromium on leucocytes of the fresh water
fish, *Catla catla* *Indian Journal of Environment and*
Toxicology 4 (2): 45-47

Waldichuk, K. M 1974. Some biological concerns in heavy metal
pollution. In : pollution and physiology of marine
organisms (eds) F.J. Vernberg and W.B. Vernberg, Academic
Press, New York : 1-57. (as cited by Mitra et al., 1994)

Warren, H. V and Delavault, R. E. 1960. Observations on the
biogeochemistry of lead in Canada. *Trans. Roy Soc. Can* 3rd
series, 54 : 16

Weiner, J. G. and Giesy, J. P. Jr. 1979. Concentration of
cadmium, copper, manganese, lead and zinc in fishes in a
highly organic soft water pond. *J. Fish. Res. Bd. Can.*, 36
: 270-279

- Wittman, G. T. W 1981. Metal pollution in the aquatic environment springer-verlag, Berlin. (as cited in Part I Abstract/summary Metal Literature Review, Hayward Marsh study 1992 by Gearheart et al., 1992)
- Wood J. M 1974. Science, 183: 1049-1052. (as cited by Rao and Rao, 1992.)
- Wong, S. L and Beaver, J. L 1981. Metal interactions in algal toxicology, conventional versus *in vivo* tests. *Hydrobiologia* 85 : 65-91
- Zhang, J., Huang, W. W., Liu, S. M., Liu, M. G., Yu, Q., and Wang, J. H. 1992. Transport of particulate heavy metal towards the china sea : A preliminary study and comparison. *Mar Chem* 40 (3-4): 161 - 178.