

BIBLIOGRAPHY

1. Adam SM, Greeley MS and Ryon MG: Evaluating effects of contaminants on fish health in multiple levels of biological organization; exploring from lower to higher levels, *Human Ecol Risk Asses*, 6(1):15-27, 2000.
2. Adoni AD, Joshi DG, Chaurasiya SK, Viashya AK, Yadav M and Verma HG: A Workbook on Limnology, Dr Hari Singh Gaur Vishwavidyala, Sagar India, 1985.
3. Akoto O, Bruce TN and Darko G: Heavy metals pollution profiles in streams serving the Owabi reservoir, *African Environ Sci Technol*, 2: 354-359, 2008.
4. Alaoui HL, Oufdou K and Mezrioui N: Environmental pollutions impacts on the bacteriological and physicochemical quality of suburban and rural groundwater supplies in Marrakesh area (Morocco), *Environ Monit Assess*, 145:195–207, 2008.
5. Ali FK, El-Shehawi AM and Mohamed A: Estimation of water pollution by genetic biomarkers in tilapia and catfish species shows species-site interaction, *Afr J of Biotech*, 6: 840-846, 2007.
6. Ali S: The Book of Indian Birds, Thirteenth revised edition, Bombay Natural History Society, Mumbai, 2002.
7. Andrade VM, da Silva J, da Silva FR, Heuser VD, Dias JF, Yoneama ML and de Freitas TRO: Fish as bioindicators to assess the effect of pollution in two southern Brazilian rivers using the comet assay and micronucleus test, *Environ Mol Mutagen*, 44: 459-468, 2004.
8. APHA: Standard Methods for the examination of Water and Waste water, American Public Health Association, Washington, 2000.

9. Ara S, Khan MA and Zargar MY: Physicochemical characteristics of Dal lake water of Kashmir valley, India, Indian J Environ Ecoplan, 7: 47-50, 2003.
10. Asagba SA, Eriyamremu GE and Igberaese ME: Bioaccumulation of cadmium and its biochemical effect on selected tissues of the catfish (*Clarias gariepinus*), Fish Physiol Biochem, 34:61-69, 2008.
11. ATSDR: Toxicological Profile for Chromium, US Department of Health and Human Services, Public Health Service, Agency for Toxic Substances and Disease Registry, 1998.
12. ATSDR: Toxicological Profile for Di-N-Butyl Phthalate, US Department of Health and Human Services, Public Health Service, Agency For Toxic Substances and Disease Registry, 2001.
13. Attrill MJ and Depledge MH: Community and population indicators of ecosystem health: targeting links between levels of biological organization, Aqua Toxicol, 38: 183-197, 1997.
14. Awasthi U and Tiwari S: Seasonal trends in abiotic factors of a lentic habitat (Govindgarh Lake) Rewa, MP, India, Eco Environ Conser, 10: 65-170, 2004.
15. Baxi Darshee, Shilu M, Singh PK and Vachhrajani KD: Systemic toxicity of heterogeneous industrial toxicant mixture following low dose sub acute exposure in rats. 5th World Congress on Cellular and Molecular Biology (France), Indore, India, November 2009.
16. Beck WM Jr: Studies in stream pollution biology, A simplified ecological classification of organisms, Quart J Fla Acad Sci 17(4): 211-227, 1954.
17. Begum M, Hossain MA and Kohinoor AHM: Effects of Iso-phosphorus

- fertilizers on water quality and biological productivity in fish pond, J Aqua Trop, 18: 1-12, 2003.
18. Berger WH and Parker FL: Diversity of Planktonic foraminifera in deep sea sediments Science, 168: 1345-1347, 1970.
 19. Bessey OA, Lowry OH and Brock MJ: A Method for the rapid determination of alkaline phosphatase with five cubic millimetres of serum, J Bio Chem, 164: 321-329, 1946.
 20. Beutler E: Red Cell Metabolism: A Manual of Biochemical Methods, New York, Grune and Stratton, Inc, 112-114, 1975.
 21. BIS: Specification of drinking water IS:10500, Bureau of Indian Standards, New Delhi, 1991.
 22. Bishop CA, Struger J, Barton DR, Shirole LJ, Dunn L, Lang AL, Sheperd D: Contamination and wildlife communities in stormwater detention ponds in Guelph and the Greater Toronto Area, Water Quality Research J of Canada, 35: 399-435, 2000.
 23. Cairns J Jr: Editorial: Will the real ecotoxicologist please stand up?, Environ Toxicol Chem, 8: 843-844, 1989.
 24. Central Pollution Control Board (CPCB): Monitoring of Indian Aquatic Resources Series: Minars/ 29 /2008-2009, Status of Water Quality In India- 2007.
 25. Chakrapani BK, Krishna MB and Srinivasa TS: A Report on the water quality, plankton and bird populations of the lakes in and around Bangalore and Maddur, Karnataka, India. Department of Ecology and Environment, Government of Karnataka, 1996.
 26. Cobelas MA, Rojo C and Angler G: Current Status, gaps and the

- future, *J limnol*, 64: 13-29, 2005.
27. Colborn T: Environmental Estrogens: Health Implications for Humans and Wildlife. *Environ Hlth Perspect*, 103: 135-136, 1995.
 28. Cole GA: Textbook of Limnology, the CV Mosby Company, Saint Louis, 283, 1975.
 29. Cottenie K, Nuytten E, Michel S and Meester LD: Zooplankton community structure and environmental conditions in a set of interconnected ponds, *Hydrobiol*, 442: 339-350, 2001.
 30. Cowx IG and de Jong MVZ: Rehabilitation of freshwater fisheries: Tales of the unexpected? *Fisheries Management and Ecology*, 11: 243-249, 2004.
 31. Desai BN and Gajbhiye SN: Zooplankton variability in polluted and unpolluted waters off Bombay, *Mahasagar*, 14: 173-182, 1981.
 32. Dhanapathi MVSSS: Taxonomic notes on the rotifers from India (from 1889-2000), Indian Association of Aquatic Biologists (IAAB), Hyderabad, 2000.
 33. Dhanpakkium P and Ramaswamy VK: Toxic effects of copper and zinc mixture on some haematological and biochemical parameters in common carp, *J enviro Biol*, 22:105-111, 2001.
 34. Dhuru S: Biodiversity and Ecological studies of a lotic ecosystem with special rotifer fauna of river Vishwamitri, Ph D Thesis submitted to MS Univ Baroda, Vadodara Gujarat India, 2002.
 35. Dodds WK: Freshwater ecology: Concepts and Environmental applications, Academic Press, 2002
 36. Edmondson WT: Fresh water biology 2nd ed. John Wiley and Sons

Inc New York, 1959.

37. El-Shebly AA: Protection of Nile Tilapia (*Oreochromis niloticus*) from Lead Pollution and Enhancement of its Growth by α - Tocopherol Vitamin E, Research Journal of Fisheries and Hydrobiology, Egypt, 4(1): 17-21, 2009.
38. El-Shehawi AM, Ali FK and Mohamed AS: Estimation of water pollution by genetic biomarkers in tilapia and catfish species shows species-site interaction, Egypt Afr J of Biotech, 6(7): 840-846, 2007.
39. Environmental Protection Agency (USEPA): Mercury Study Report to Congress, Health Effects of Mercury and Mercury Compounds, 1997
40. Farombi EO, Ajimoko YR and Adelowo OA: Effect of butachlor on antioxidant enzyme status and Lipid peroxidation in fresh water African cat fish, Int J of Environ public Health 5: 423-527, 2008.
41. Ferdous Z and Muktadir AKM: Potentiality of zooplankton as Bio indicator, American J of Appl Sci, 6:1815-1819, 2009.
42. Figueiredo-Fernandes A, Ferreira-Cardoso JV, Garcia-Santos S, Monteiro SM, Carrola J, Matos P and Fontainhas-Fernandes A: Histopathological changes in liver and gill epithelium of Nile tilapia, *Oreochromis niloticus*, exposed to waterborne copper, Pesq Vet Bras 27(3):103-109, 2007.
43. Firat O, Cogun HY, Aslanyavrusu S and Kargin F: Antioxidant responses and metal accumulation in tissues of Nile tilapia *Oreochromis niloticus* under Zn, Cd and Zn + Cd exposures, J Appl Toxicol, 29: 295–301,2009.
44. Gadzala-Kopciuch R, Bereeka B, Bartoszewicz J and Buszewski B:

Some consideration about bioindicators in environment monitoring
Pol J Environ Stud,13: 453-462, 2004.

45. Gajbhiye SN, Vijayalakshmi RN, Narvekar PV and Desai BN: Concentration and Toxicity of some metals in zooplankton from near shore waters of Bombay, Ind J Mar Sci, 14:181-183,1985.
46. Gautam AK: Toxic effect of Copper, Cadmium and Zinc to *Daphanosoma brachyurum* and *Eucyclops separatus*, Environ Poll and Health Hazards Env, 3: 139-144, 1990.
47. Gavali DJ, Lakhmapurkar JJ, Wangikar UK and Soni R: Some observations on migratory birds at Koyali Pond, Vadodara, Flamingo, 4 (1 and 2): 16, 2006.
48. George MD and Kureishy TW: Trace metals in zooplankton from the Bay of Bengal, Ind J Mar Sci, 8: 190-192, 1979.
49. Govindasamy C, Vasudewan N and Singaravelu G: Biodiversity of zooplankton communities in clive bazaar and Talanur lake, Arcot, Vellore Poll Res, 27: 137-144, 2008.
50. Gupta AK and Saxena GC: Evaluation of ground water pollution potential of Agra, Indian J Env Prot, 16(6),419-422,1996.
51. Hadi AA, Shokr AE and Alwan SF: Effects of Aluminum on the Biochemical Parameters of Fresh Water Fish, *Tilapia zillii*, Tobruk, Libya, J of Sci Applicat, 3: 33-41, 2009.
52. Hamed RR, Maharem TM and Guinidi RAM: Glutathione and its related enzymes in the Nile fish, Fish Physiology and Biochemistry, 30: 189–199, 2004.

53. Handy RD: Dietary exposure to toxic metals in fish IN; toxicology of aquatic pollution: physiological, cellular and molecular approaches (ede. Taylor EW) cambridge cambrige uni Press, 29-60, 1996.
54. Hansen BH, Romma S, Softeland LI, Olsvik RP and Andersen RA: Induction and activity of oxidative stress-related proteins during waterborne Cu-exposure in brown trout (*Salmo trutta*), Chemosphere, 65: 1707, 2006.
55. Hossam HHA, Mohammad MN and Authman : Effect of accumulated selenium on some physiological parameters and oxidative stress indicators in Tilapia fish (*Oreochromis spp*), Ameri-Eura J of Environ Sci, 219-225,2009.
56. Humtsoe N, Davoodi R, Kulkarni BG and Chavan B: Effect Of Arsenic on The enzymes of the Rohu Carp, Labeo Rohita, The Raffles Bulletin of Zoology, Singapore SN 14: 17-19, 2007.
57. Irigoien X, Fernandes JA, Grosjean P, Denis K, Albaina A and Santos M: Spring zooplankton distribution in the Bay of Biscay from 1998-2006 in relation with anchovy recruitment, J Plankton Res, 31: 1-17, 2009.
58. Islam SN and Bhuiyan AS: Monthly Vertical Occurrence of Some Copepods in a Pond in Rajshahi City, Research Journal of Fisheries and Hydrobiology, 2(1): 18-20, 2007.
59. Islam SN: Physicochemical Condition and Occurrence of Some Zooplankton in a Pond of Rajshahi University, Research J of Fish and Hydrobiol, 2(2): 21-25, 2007.
60. James R and Sanpath K: Effects of Zeolite Reduction of cadmium

- toxicity in water and a freshwater fish, *Oreochromis niloticus*, Bull Environ Contam Toxicol, 62: 222-229, 1999.
61. Jaroli DP and Sharma BL: Effect of organophosphate Insecticide on the organic constituents in liver of *Channa punctatus*, Asc J Exp Sci, 20:121-129, 2005.
 62. Jeane A, Almeida I, Rodrigo E, Barreto Z and Ethel LB: Oxidative stress biomarkers and aggressive behaviour in fish exposed to aquatic cadmium contamination, Neotrop Ichthyol, 7:103-108, 2009.
 63. Jindal R and Kumar R: Limnology of a freshwater pond of Nalagarh (Himachal Pradesh, India), Physicochemical complexes, Advances in Limnology, Narendra Publishing House, Delhi, 107:112, 1993.
 64. Khan MA and Rao IS: Zooplankton in the evaluation of pollution, Paper presented at WHO workshop on biological indicators and indices of environmental pollution Cent Bd Prev Cont Poll/Osm Univ, Hyderabad, India, 1981.
 65. Krishnamurti AJ and Nair RV: Concentration of Metals in Fishes from Thane and Bassein Creeks of Bombay, India, Ind J of Mar Sci, 28: 39-44, 1999.
 66. Kumar R and Kapoor K: Water quality monitoring in respect to physico-chemical characteristics of a tropical lake of Udaipur city of Rajasthan, Ind J Environ and Ecoplan, 12: 775-782, 2006.
 67. Kumar S and Pawar NJ: Quantifying spatio-temporal variations in heavy metal enormity of groundwaters from Ankaleshwar area: GIS-based Normalized Difference Dispersal Index mapping Department of Geology, University of Pune, India, current science, 905-910, 2008.

68. Kumar S, Shirke KD and Pawar NJ: GIS-based colour composites and overlays to delineate heavy metal contamination zones in the shallow alluvial aquifers, Ankaleshwar industrial estate, south Gujarat, India, *Environ Geol*, 2: 905-910, DOI 10.1007/s00254-007-0799-2, 2008.
69. Kurutas EB, Sahana A, Altun T: Oxidative stress biomarkers in liver and gill tissues of spotted barb (*Capoeta barroisi* Lortet, 1894) living in the river Ceyhan, Adana, Turkey, *Turk J Biol* 33:2009.
70. Labunska I, Stephenson A, Brigden K, Santillo D, Stringer, R, Johnston, PA and Ashton JM: Organic and heavy metal contaminants in samples taken at three industrial estates in Gujarat, India. Greenpeace Research Laboratories, 1999.
71. Laura RPU, Maria BC, Morel B: Characterization of the Zooplankton Community of the Secondary Wastewater Treatment System of an Oil Refinery in Southern Brazil, *Biociencias*, Porto Alegre, 16:14,2008
72. Lefebvre KA, Trainer VL and Scholz NL: Morphological abnormalities and sensorimotor deficits in larval fish exposed to dissolved saxitoxin, *Aquatic Toxicology*, 66: 159-170, 2004.
73. Lenartova V, Holovska K, Pedrajas JR, Lara EM, Peinado J, Barea JL, Rosival I and Kosuth P: Antioxidant and Detoxifying Fish Enzymes as Biomarkers of river Pollution, *Biomarkers*, 2:247-252(6) 1997.
74. Livingstone DR. Contaminant-stimulated reactive oxygen species production and oxidative damage in aquatic organisms, *Mar Pollut Bull* 42: 656-666, 2001.

75. Livingstone DR: Oxidative Stress in Aquatic Organisms in Relation to Pollution and Aquaculture, *Revue Med Vet*, 154, 6, 427-430, 2003.
76. Lowry OH, Rose Brough NJ, Farr AL and Randall RJ: Protein measurements with the Folin-phenol reagent, *J Biochem*, 193:265-27, 1951.
77. Madrasmi R: Effect of heavy metals on Histopathology and biochemistry of Nile tilapia, A project, Mahidol Uni, Bangkok, Thailand, 2007.
78. Margalef R: Perspective in Ecological theory, Uni of Chicago press, Chicago, 112, 1968.
79. Marklund SL and Marklund G: Superoxide dismutase-Involvement of superoxide anion radical in auto oxidation of Pyrogallol and a convenient assay for superoxide dismutase, *Eur J Biochem*, 47:469-474, 1974.
80. Menhinick F: A Comparisons of some species individual diversity indices applied to samples of field insects, *Ecology* 45:859-61, 1964.
81. Metwally MAA and Fouad IM: Biochemical changes induced by heavy metal pollution in marine fishes at Khomse coast, Libya, *Global Veterinaria*, 2:308-311, 2008.
82. Mishra RR, Rath B, Thatoi H: Water quality assessment of aquaculture ponds in Bhitarkanika mangrove Ecosystem, Orissa, India, *Tur J of Fish and aqua Sci*, 8: 71-77, 2008.
83. MOEF (Ministry of Environment and Forests): Conservation of Wetlands in India, A profile-approach and guidelines, Ministry of Environment and Forests, Government of India, 2007.

84. MOEF (Ministry of Environment and Forests: State of Environment: A Report, Ministry of Environment and Forests, Government of India, 2009.
85. Mohamed FAS: Histopathological Studies on *Tilapia zillii* and *Solea vulgaris* from Lake Qarun, Egypt, World Journal of Fish and Marine Sciences 1 (1): 29-39, 2009.
86. Mohamed S, Kheireddin O, Wyllia HM, Roquia R, Aicha D and Mourad B: Proportioning of biomarkers (GSH, GST, Ache, Catalase) indicator of pollution at *Gambusia affinis* (teleostei fish) exposed to cadmium, Environ Res J, 2: 177-181, 2008.
87. Morya K and Vachhrajani KD: Heterogeneous toxicant mixture induced testicular impairment in rats, 5th World Congress on Cellular and Molecular Biology (France), Indore, India, 2009.
88. Murugan NP, Murugavel and Kodarkar MS: Cladocera: The biology, classification, identification and ecology, Indian Association of Aquatic Biologists (IAAB), Hyderabad, 1998.
89. Nair A: Aquatic Microfauna -A study on its diversity and ecology, Ph D Thesis submitted to MS University of Baroda, Vadodara, Gujarat, India, 2007.
90. Nanda A and Vachhrajani KD: Diversity of insect fauna in Mahi River, near Vadodara. In: Modern Trends in Entomological Research in India. Gupta US (Ed), Pratibha Prakashan, New Delhi, 2002.
91. Nanda A, Vachhrajani KD and Mankodi PC. Crustacean community structure of Mahi River receiving industrial effluent, Poll, Res, 24:243-246, 2005.

92. Nanda A: Studies on impact of the pollution on invertebrate diversity of Mahi, PhD Thesis submitted to MS University of Baroda, Vadodara, and Gujarat, India 2003.
93. Nassar A, Hameid A: A Protective Effect of Calcium carbonate against arsenic toxicity of Nile catfish, *Clarius gariepinus*, Tur J of Fish and Aqu Sci, 9: 191-200, 2009.
94. Nayaka SBM, Ramakrishna S, Jayprakash and Delvi MR: Impact of heavy metals on water, fish (*Cyprinus carpio*) and sediments from a water tank at Tumkut, India, Internatl J Oceanogr Hydrobiol, 38: 17-28, 2009.
95. Needham JG and Needham RR: A guide to the study of freshwater biology, Holden-Day, Inc San Francisco California, 1962.
96. Ogwok P, Muyonga EJ and Sserunjogi EML: Pesticide Residues and Heavy Metals in Lake Victoria Nile Perch, *Lates niloticus*, Belly Flap Oil, Bull Environ Contam Toxicol, 82: 529–533, 2009
97. Ogwok P, Muyonga EJ and Sserunjogi EML: Pesticide Residues and Heavy Metals in Lake Victoria Nile Perch, *Lates niloticus*, Belly Flap Oil, Bull Environ Contam Toxicol, 82: 529–533, 2009.
98. Oladimeji AA: Impacts of oil Pollution on Nigerian Fishing Industry, Nigerian J of Appl Fish and Hydrol, 2: 81-90, 1987.
99. Padate, G. S., S. Sapna and R. V. Devkar. (2001). Status of birds in Vadodara District (Central Gujarat). Pavo 39: 83-94.
100. Pandey S, Parvez S, Sayeed I, Haque R, Bin-Hafeez B and Raisuddin S: Biomarkers of oxidative stress: A comparative study of river Yamuna fish *Wallago attu* (Bl and Schn), Sci Total Environ, 309: 105-115, 2003.



101. Pandya PJ and Padate GS. 2009: Urbanization influence on the status of wetland and avifauna: A short term preliminary study. *Electronic Journal of Environmental Sciences*, 2, 5-11.
102. Pandya PJ and Vachhrajani KD: 2010 Birds of Mahi River estuary and its ambience, Gujarat, India. *Journal of Threatened Taxa* (Accepted).
103. Pandya PJ and Vachhrajani KD: 2010a Malacological study of Mahi River with reference to estuarine gradient. *Journal of Environmental Biology*. (Accepted).
104. Pandya PJ, Vachhrajani KD, and Mankodi PC: Habitat characteristics and benthic faunal diversity of Mahi river estuary, Gujarat. *National Conference on Environmental Sciences: Current Status and Emerging Challenges*, Udaipur, 2007.
105. Patel P. (2008). Breeding record of Blue- tailed Bee-eater near Vadodara. *Flamingo*, 6(3 and 4):10pp.
106. Peeuba P: Ecotoxicological assessment of pesticides and heavy metals in nile tilapia, A Thesis submitted to University of Mahidol, Bangkok, Thailand, 2005.
107. Pinto-Coelho R, Pinel-Alloul B, Methot G and Havens KE: Crustacean zooplankton in lakes and reservoirs of temperate and tropical regions: Variation with trophic status, *Can J Fish Aquat Sci* 62: 348-361, 2005.
108. Prasad B and Jaiprakash KC: Evaluation of heavy metals in ground water near mining area and development of heavy metal pollution index Dhanbad, Bihar, *J Environ Sci Hlth*, 34: 91-102, 1999.

109. Prasad BB and Singh RB: Composition, abundance and distribution of phytoplankton and zoobenthos in a tropical waterbody, *Nat Environ Pollut Technol*, 2: 255-258, 2003.
110. Rahman S and Hussain MA: A study on the abundance of zooplankton of a culture and a non-culture pond of the Rajshahi University campus, *Univ J Zool Rajshahi Univ*, 27, 35-41, 2008.
111. Rai PK: Seasonal monitoring of heavy metals and physicochemical characteristics in a lentic ecosystem of subtropical industrial region, *India Environ Monit*, DOI: 10.1007/s10661-009-0956-z, 2009.
112. Rajmohan N, Elango L: Distribution of iron, manganese, zinc and atrazine in groundwater in parts of Palar and Cheyyar River basins, South India, *Environ Monit Assess* 107: 115–131, 2005.
113. Rani U and Ramamurthi AR. Histopathological alterations in the liver of freshwater teleost, *Tilapia mossambica* in response to cadmium toxicity, *Ecotoxicol Environ Safety*, 17(2): 221–226, 1989.
114. Rani U and Ramamurthi R: Effect of cadmium chloride on some aspects of physiology and histology in the freshwater teleost, *T. mossambica* (Peters), Ph D thesis, SV University, Tirupati, India, 1986.
115. Rao S: Handbook of Fresh water molluscs of India, Zoological Survey of India, Calcutta, 1989.
116. Rao VJ, Radha MK and Srinivas S: Acute effects of copper on superoxide dismutase, catalase and lipid peroxidation in the freshwater teleost fish, *Esomus danricus*, *Fish Physiology and Biochemistry*, 32: 221-229, 2006.

117. Ravera O: Monitoring of the aquatic environment by species accumulator of pollutants:a review, J Limnol, 60, 63-78, 2001.
118. Rejomon G, Balachandran KK, Nair M and Joseph T: Trace metal concentrations in marine zooplankton from the western Bay of Bengal, Appl Ecol Environ Res, 6: 107-116, 2008.
119. Rotruck JT, Pope AL, Ganther HE, Swanson AB, Hafeman DG and Hoekstra WG: Selenium biochemical role as a component of Glutathione peroxidase, Sci,179: 588-590,1973.
120. SACON (Salim Ali Centre for Ornithology and Natural History), Remote Sensing and Wetland Management, SACON News Letter, 2: 1-9, 2006.
121. Santillo D, Stephenson A, Labunskaja I, Siddorn J: A preliminary survey of waste management practices in the chemical industrial sector in India: consequences for environmental quality and human health, Part I. Gujarat, Greenpeace Research Laboratories Technical Note 96/8, 1996.
122. Scott GR and Sloman KA: The effects of environmental pollutants on complex fish behaviour, integrating behavioral and physiological indicators of toxicity, Aquat Toxicol, 68: 369-392. 2004.
123. Sessa SV and Rao BM: Chromium induced alterations in the oxygen consumption of the freshwater fish, Labeo rohita (Hamilton), Polln Res, 18(4), 377-380, 1999.
124. Shannon CE and Weaver W: The Mathematical Theory of Communication, Urbana, Illinois, University of Illinois, 1949.
125. Sharma A: Environmental impact assessment along the effluent channel from Baroda to Jambusar and at its confluence with Mahi

- estuary at the Gulf of Cambay with special reference to heavy metals,
Ph D Thesis submitted to MS University of Baroda, Vadodara,
Gujarat, India, 1995.
126. Sharma KN: Studies of effect of pollution on aquatic organism of
Narmada River, Ph D Thesis submitted to MS University of Baroda,
Vadodara, Gujarat, India, 2006.
 127. Sharma YC, Prasad G and Rupainwar DC: Heavy metal pollution of
river Ganga in Mirzapur, India, Intern J of Environ St, 40: 41–53, 1992.
 128. Shen H, Song C, Zhen F, Ren H: Enzymatic Biomarker Measurement
and Study on Pollution-induced Antioxidant Enzymes Responses in
Freshwater Fish Liver, Brocarded Carp, Bioinfor Biomed Eng, 16:90-
92, 2007.
 129. Simpson EH: Measurement of diversity, Nature 163:688, 1949.
 130. Sladeczek V: Rotifers as indicators of water quality, Hydrobiol, 100:
169-201, 1983.
 131. Slatiinska I, Smutna M, Havelkova M and Svobodova Z: Biochemical
markers of aquatic poll in fish-Glutathione S- transferase, Folia
Veterin, 52: 129-134, 2008.
 132. Sloman KA: Effects of trace metals on salmonid fish, The role of
social hierarchies, Appl Animal Behaviour Sci, 104: 326-345, 2007.
 133. Staicu AC, Praschiv S, Munteanu C, Tesio C, Ionica E, Costache M
and Dinischiotu A: Liver and kidney structural and biochemical
changes induced in goldfish (*Carassius auratus gibelio*) during
manganese acute intoxication, In proceedings of the Balkan Scientific
Conference of Biology in Plovdiv (Bulgaria), P. 637-647, 2005.

134. Sultana R and Rao DP: Bioaccumulation Patterns of Zinc, Copper, Lead, and Cadmium in Grey Mullet, Mugil Cephalus from Harbour Waters of Visakhapatnam, India, *Bullet of Environ Contaminat and Toxicology*, 60: 949-955, 1998.
135. Tejeda-Vera R, Lopez-Lopez E, Sedeno-Diaz JE. Biomarkers and bio indicators of the health condition of *Ameioba splendens* and *Goodea atripinnis* (Pisces: Goodeidae) in the Ameioba River, Mexico, *Environ Int* 33: 521-531, 2007.
136. Tonapi GT: *Fresh Water Animals of India: An Ecological Approach*, Oxford IBH, Oxford 1982.
137. UNEP: Report of the Regional Consultations held for the first Global Environment Outlook, Nairobi, 1996.
138. US EPA (Environmental Protection Agency): Mercury Study Report to Congress, Health Effects of Mercury and Mercury Compounds, 1997.
139. Vachhrajani, KD: Heterogeneous toxicant exposure disobeys dose-response rules. 5th World Congress on Cellular and Molecular Biology (France), Indore, India, November 2009.
140. Vander OR, Beyer J and Vermeulen NPE: Fish bioaccumulation and biomarkers in environment risk assessment: A review, *Environ Toxicol Pharmacol*, 13: 57-149, 2003.
141. Velkova JL, Kostoski G and Jordanosca B: Antioxidative enzymes in fish as biochemical indicators of aquatic pollution, *Bulgarian J of Agricul Sci*, 14: 235-237, 2007.
142. Viana F, Huertas R and Danulat E: Heavy metal levels in fish from coastal waters of Uruguay. *Arch Environ Contam Toxicol*, 48: 530-537, 2005.

143. Vinodhini R and Narayanan M: Biochemical changes of antioxidant enzymes in common carp (*Cyprinus carpio* L) after heavy metal exposure, *Turk J Vet Anim Sci*, 33(4): 273-278, 2009.
144. Vinodhini R and Narayanan M: The impact of toxic heavy metals on the hematological parameters in common carp (*Cyprinus carpio* L), *Iran J Environ Health Sci Eng*, 6, pp. 23-28, 2009.
145. Wang MJ, McGrath SP and Jones KC: The chlorobenzene content of archived sewage sludges, *Science of the Total Environment*, 121: 159-175, 1992.
146. Wetzel, Robert G: *Limnological Analysis*, Second edition Springer-Verlag New York, Inc, New York, 1991
147. Witeska M and Jezierska B: The effects of environmental factors on metal toxicity to fish (Review), *Fresenius Environmental Bulletin*, 12: 824-29; 2003.
148. Yossafzai AM: Toxicological effects of Industrial effluents dumped In river Kabul on Mahaseer (*Tor Putritora*) at Amangarh Industrial area, Nowshera, Peshawar, Pakistan, A Thesis Submitted To The University Of Punjab, India 2004.
149. Zauke GP, Krause M and Weber A: Trace metals in mesozooplankton of the North Sea: Concentrations in different taxa and preliminary results on bioaccumulation in copepod collectives, *Int Revue Ges Hydrobiol*, 81: 141-160, 1996.