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DECLARATION

I declare that the thesis entitled ECO TOXICOLOGICAL ASSESSMENT
OF KOLAVAI LAKE AT CHENGALPET, KANCHEEPURAM DISTRICT,
TAMILNADU, INDIA WITH SPECIAL REFERENCE TO HEAVY METAL
POLLUTION IN FISH, submitted by me for the degree of Doctor of philosophy
(Ph.D.) is the record of work carried out by me during the period from 2009 to 2012
under the guidance of Dr.M.Selvanayagam, Associate Professor, P.G and Research
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034 and it has not formed the basis for the award of any Degree, Diploma, Associate
ship, Fellowship, Titles in this University or any other University or other similar
institution of Higher Learning.

Place: Chennai
Date: 3.2013

K.Ramesh Babu
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(K. Ramesh Babu)
LIST OF ABBREVIATION

- APHA : American Public Health Association
- BAF : Bio Accumulation Factor
- BCF : Bio Concentration Factor
- BDL : Below Detectable Limit
- BHC : Benzene Hexa Chloride
- BIS : Bureau of Indian Standards
- BOD : Biological Oxygen Demand
- CO : Celsius
- COD : Chemical Oxygen Demand
- Conc. : Concentration
- DDT : Dichloro Diphenyl Trichloro ethane
- DO : Dissolved Oxygen
- EC : Electrical Conductivity
- FAO : Food and Agricultural Organisation
- FC : Faecal Coliform
- FSC : Faecal Strepto Cocci
- FEPA : Federal Environmental Protection Agency
- FIG : Figure
- GST : Grand Southern Trunk road
- IAF : Indian Air Force
- ICMR : Indian Council of Medical Research
- ICP OES : Inductively Coupled Plasma optical emission spectrophotometer
- I_{geo} : Geo Accumulation Index
- Kg : Kilo Gram
- L : Litre
- Lct : Location
- Mct : Million cubic feet
- Mg : Milli Gram
- MGD : Million Gallons of water per Day
- MH : Million Hectares
- μmhos : micro siemens
- ml : Milli litre
- MPN : Most Probable Number
- NTPC : National thermal power corporation
- NTU : Nephelometric Turbidity Unit
- PAC : Poly Cyclic Aromatic hydro Carbon
- PCB : Poly Chlorinated Biphenyl
- PET : Poly Ethylene terephthalate
- pH : Potential Hydrogen ion
- POP : Persistent organic pollutants
- PPB : Parts Per Billion
- SPC : Standard Plate Count
- Stn : Station
- TC : Total Coliform
- TDS : Total Dissolved Solids
- TN : Tamil Nadu
- U.P : Uttar Pradesh
- WCMC : World Conservation and Monitoring Centre
- WQI : Water Quality Index
- Wt : Weight
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