Appendix 2

List of tables:

1. List of zooplankton: Following is the list of zooplankton species found in the sewage fed fish ponds of EKW and natural ponds. [Chapter 3]

2. List of macroinvertebrates: Following is the list of macroinvertebrate species found in the sewage fed fish ponds of EKW and natural ponds (A: EKW fish culture ponds and B: natural ponds. Y denotes presence of macroinvertebrate species in the sampled ponds). [Chapter 3]

3. Macroinvertebrate metric definitions and their expected response to increasing perturbation. [Chapter 4]

4. Evaluation of water quality using the family-level biotic index (Hilsenhoff, 1988). [Chapter 4]

5. Macroinvertebrate Index of Biological Integrity (IBI) metric response to natural system and perturbed system of EKW in winter season. [Chapter 4]

6. Macroinvertebrate Index of Biological Integrity (IBI) metric response to natural system and perturbed system of EKW in premonsoon season. [Chapter 4]

7. Macroinvertebrate Index of Biological Integrity metric response to natural system and perturbed system of EKW in monsoon season. [Chapter 4]

8. Macroinvertebrate Index of Biological Integrity metric response to natural system and perturbed system of EKW in postmonsoon season. [Chapter 4]

9. Evaluation of water quality using the Hilsenhoff biotic index (HBI) in natural ponds. [Chapter 4]
10. Evaluation of water quality using the Hilsenhoff biotic index - HBI in sewage fed fisheries of EKW. [Chapter 4]

11. Wastewater characteristics at four different time point of purification at EKW and its comparison with Bureau of Indian Standard (BIS 1991). [Chapter 5]

12. Summaries of linear mixed effect regression models (combined model) fitted by maximum likelihood between plankton load (individuals L⁻¹) with different regulatory physico-chemical factors. [Chapter 5]

13. Summaries of linear mixed effect regression models (combined model) fitted by maximum likelihood between zooplankton load (individuals L⁻¹) with different regulatory physico-chemical factors. [Chapter 5]

14. Multi-way ANOVA of different environmental factors and carbon forms. [Chapter 6]

15. Summaries of linear regression (backward stepwise regression) between zooplankton loads, gross primary production (GPP), DOC and SOC with different water physico-chemical parameter in EKW ponds. [Chapter 6]

16. RDA Correlation matrix: Response and explanatory axis scores and correlation of two significant explanatory variables on first two main axes. [Chapter 6]

17. Position of response variables on two major axes, variation explained by significant explanatory variables and variance plot of RDA. [Chapter 6]

18. Key to abbreviations used in Figure 20. [Chapter 6]