LIST OF TABLES

Table No.	Title
Table 1.1	Physiochemical properties of cyclophosphamide, etoposide and paclitaxel
Table 2.1	Physiochemical properties of some commonly used antineoplastic drugs
Table 2.2	Occurrence of antineoplastic compounds in samples of aquatic environment of different countries
Table 2.3	Toxicological assessment of different antineoplastic drugs on various organisms
Table 2.4	Different strategies used to mitigate antineoplastic drugs from wastewater samples
Table 2.5	Recent studies performed on the removal of antineoplastic compounds by whole-cell culture of WRFs
Table 3.1	List of chemical components used in the experimentation and analysis of present study
Table 3.2	Chemical composition of synthetic urine
Table 3.3	Selection of conditions under isocratic mode for detection and quantification of cyclophosphamide, etoposide and paclitaxel in HPLC
Table 3.4	Chemical composition of growth medium for *G. lucidum, T. versicolor and P. chrysosporium*
Table 3.5	Chemical composition and reaction mixture used for enzyme activity assay
Table 4.1	λ_{max} of cyclophosphamide, etoposide and paclitaxel absorbance by scanning on UV-VIS spectrophotometer
Table 4.2	Optimized HPLC conditions for the detection of cyclophosphamide, etoposide and paclitaxel in water sample

Table 4.3 Reproducibility data of cyclophosphamide, etoposide and paclitaxel in developed HPLC method

Table 4.4 Precision data of cyclophosphamide, etoposide and paclitaxel on developed HPLC methods

Table 4.5 Robustness of developed HPLC method for cyclophosphamide, etoposide and paclitaxel

Table 4.6 Biodegradation of selected antineoplastic compounds with *G. lucidum*, *T. versicolor* and *P. chrysosporium*

Table 4.7 Total efficiency of *G. lucidum*, *T. versicolor* and *P. chrysosporium* for the removal of cyclophosphamide and etoposide

Table 4.8 Determination of cytotoxicity and inhibitory concentration of cyclophosphamide, etoposide and paclitaxel.

Table 4.9 Toxicity data of cyclophosphamide, paclitaxel and etoposide on different organism