

List of Abbreviations

CV	Contingent Valuation
CVM	Contingent Valuation Method
HPM	Hedonic Pricing Method
ISWM	Integrated Solid Waste Management
MSC	Marginal Social Cost
MSW	Municipal Solid Waste
MSWM	Municipal Solid Waste Management
SWM	Solid Waste Management
TCM	Travel Cost Method
TEV	Total Economic Value
UMSW	Urban Municipal Solid Waste
USW	Urban Solid Waste
USWM	Urban Solid Waste Management
WTA	Willingness to Accept
WTP	Willingness to Pay

List of tables

Table No:	Title	Page
1.1	Occurrence of infectious diseases	12
3.1	Variables evaluated in the questionnaire	61
4.1	Sources and types of solid waste	69
4.2	Low income countries	71
4.3	Middle income countries	72
4.4	High income countries.	73
4.5	Waste generation per capita	75
4.6	Solid waste generation rates	76
4.7	Sources and rate of solid waste generation in Kerala	78
4.8	Physical composition of solid waste in Kerala	80
6.1	Population growth	93
6.2	Solid waste generations	94
6.3	Chemical characteristics of MSW	95
6.4	Financial aspects	95
6.5	Division of the municipal area	96
6.6	Vehicle data	98
7.1	Gender	100
7.2	Education	101
7.3	House ownership	101
7.4	Occupation	102
7.5	Average monthly income	102
7.6	Average monthly expenditure	103
7.7	Monthly expenditure	104
7.8	Signs and symptoms	105
7.9	Perceived causes of disease signs and symptoms	105

7.10	Occurrence of diseases	106
7.11	Perceived causes of diseases	107
7.12	Diseases to children	108
7.13	Seasonal occurrence of diseases	108
7.14	Season more prone for diseases	109
7.15	Average outpatient expense	109
7.16	Average inpatient expense	110
7.17	Frequency of occurrence of diseases	110
7.18	Reasons for increase in the occurrence of diseases	111
7.19	Possession of insurance	111
7.20	Land value	112
7.21	Land value per cent	112
7.22	Absence of solid waste pollution and increase in land value	113
7.23	Change of residence	113
7.24	Source of drinking water	114
7.25	Quality of water	114
7.26	Reasons for bad water quality	115
7.27	Disamenities	116
7.28	Ranking of the disamenities	116
7.29	Solid waste disposal	117
7.30	Solid waste segregation	117
7.31	Frequency of solid waste collection	118
7.32	Rating of solid waste management	118
7.33	Use of Kudumbasree	119
7.34	Rating of Kudumbasree	119
7.35	Comparison between kudumbasree ad municipality	120
7.36	Awareness	120
7.37	Rating of the environment	121
7.38	Role of solid waste pollution	121
7.39	Solving solid waste pollution	122
7.40	Need for environment projects	122

7.41	Monthly income and environment ethic	123
7.42	Education and environment ethic	124
7.43	Amount willing to pay	125
7.44	Reasons for willing to pay	126
7.45	Reasons for unwillingness to pay	127
7.46	Amount willing to pay	127
7.47	Reasons for willing to pay	128
7.48	Reasons for unwillingness to pay	128
7.49	Amount willing to pay	129
7.50	Reasons for willingness to pay	130
7.51	Reasons for unwillingness to pay	130
7.52	Amount willing to pay	131
7.53	Reasons for willingness to pay	132
7.54	Reasons for unwillingness to pay	132
7.55	Aaverage WTP for the projects	133
8.1	Model fitting information	135
8.2	Pseudo R²	136
8.3	Test of parallel lines	137
8.4	Parameter estimates	138
8.5	Model fitting information	140
8.6	Pseudo R²	141
8.7	Test of parallel lines	141
8.8	Parameter estimates	142
8.9	Model fitting information	144
8.10	Pseudo R²	145
8.11	Test of parallel lines	145
8.12	Parameter estimates	146
8.13	Model fitting information	148
8.14	Pseudo R²	148
8.15	Test of parallel lines	148
8.16	Parameter estimates	149

List of figures

Fig No:	Title	Page
1.1	Environment-economy interaction	8
3.1	Concepts associated with TEV	50
3.2	Methods for valuation of the environment	53
4.1	Low income countries	72
4.2	Middle income countries	73
4.3	High income countries	74
4.4	Waste generation percapita	75
4.5	Solid waste generation	77
4.6	Solid waste generation rates	77
4.7	Sources and rate of solid waste generation	79
6.1	Hierarchy of staff	97