LIST OF TABLES

Table 4.1	Check list of macro flora recorded at selected sampling sites.	75
Table 4.2	Taxonomic position of reported intertidal macro fauna during the study period.	76
Table 4.3	Checklist of the intertidal macro benthos recorded at selected sampling sites during the study period	80
Table 4.4	Total no of intertidal macro benthos species recorded in each phylum of all assemblage during the study period.	84
Table 4.5	Total contribution (%) of intertidal macro benthos species recorded in each phylum of all assemblage during the study period	84
Table 4.6	Monthly and seasonal variations in density of <i>Onchidium verruculatum</i> in intertidal zones of selected sampling sites from December 2014 to November 2015.	85
Table 4.7	Monthly and seasonal variations in Abundance of <i>Onchidium verruculatum</i> in intertidal zones of selected sampling sites from December 2014 to November 2015.	85
Table 4.8	Monthly and seasonal variations in Frequency of <i>Onchidium verruculatum</i> in intertidal zones of selected sampling sites from December 2014 to November 2015.	86
Table 4.9	Various ecological attributes of <i>Onchidium verruculatum</i> in different littoral zones at selected sampling sites from December 2014 to November 2015.	86
Table 4.10	Monthly and seasonal variations in density of <i>Conus miliaria</i> in intertidal zones of selected sampling sites from December 2014 to November 2015.	87
Table 4.11	Monthly and seasonal variations in Abundance of <i>Comus miliaria</i> in intertidal zones of selected sampling sites from December 2014 to November 2015.	87
Table 4.12	Monthly and seasonal variations in Abundance of <i>Comus miliaria</i> in intertidal zones of selected sampling sites from December 2014 to November 2015.	88
Table 4.13	Various ecological attributes of <i>Conus miliaria</i> in different littoral zones at selected sampling sites from December 2014 to November 2015.	88

LIST OF TABLES (Conti...)

Table 4.14	Monthly and seasonal variations in density of <i>Cellena readiata</i> in intertidal zones of selected sampling sites from December 2014 to November 2015.	89
Table 4.15	Monthly and seasonal variations in Abundance of <i>Cellena readiata</i> in intertidal zones of selected sampling sites from December 2014 to November 2015.	89
Table 4.16	Monthly and seasonal variations in Abundance of <i>Cellena readiata</i> in intertidal zones of selected sampling sites from December 2014 to November 2015.	90
Table 4.17	Various ecological attributes of <i>Cellena readiata</i> in different littoral zones at selected sampling sites from December 2014 to November 2015.	90
Table 4.18	Sea water parameter observed from Navapara during December 14 to November 15.	91
Table 4.19	Sea water parameter observed from Vadodara during December 14 to November 15.	91
Table 4.20	Sea water parameter observed from Aadri during December 14 to November 15.	92
Table 4.21	Sea water parameter observed from Chorwad during December 14 to November 15.	92
Table 4.22	Sea water temperature observed from selected sites during December 14 to November 15.	93
Table 4.23	Sea water ph observed from selected sites during December 14 to November 15.	93
Table 4.24	Sea water Total Solids observed from selected sites during December 14 to November 15.	94
Table 4.25	Sea water TDS observed from selected sites during December 14 to November 15.	94
Table 4.26	Sea water Salinity observed from selected sites during December 14 to November 15.	95
Table 4.27	Sea water DO observed from selected sites during December 14 to November 15.	95
Table 4.28	Sea water Ca(g/l)observed from selected sites during December 14 to November 15.	96
Table 4.29	Sea water Mg(g/l) observed from selected sites during December 14 to November 15.	96

LIST OF FIGURES

Figure 4.1	Phylum wise distribution of the intertidal macro benthos species reported from all the selected sampling sites.	97
Figure 4.2	Community composition of sampled intertidal macro benthos at all selected sampling sites of study.	97
Figure 4.3	Community composition of sampled intertidal macro benthos at sampling site of Navapara.	98
Figure 4.4	Community composition of sampled intertidal macro benthos at sampling site of Aadri.	98
Figure 4.5	Community composition of sampled intertidal macro benthos at sampling site of Vadodara.	99
Figure 4.6	Community composition of sampled intertidal macro benthos at sampling site of Chorwad.	99
Figure 4.7	Monthly variations in various ecological attributes of <i>Onchidium verruculatum</i> in different littoral zones at Navapara from December 2014 to November 2015.	100
Figure 4.8	Monthly variations in various ecological attributes of <i>Onchidium verruculatum</i> in different littoral zones at Aadri from December 2014 to November 2015.	101
Figure 4.9	Monthly variations in various ecological attributes of <i>Onchidium verruculatum</i> in different littoral zones at Vadodara from December 2014 to November 2015.	102
Figure 4.10	Monthly Variations in various ecological attributes of <i>Onchidium verruculatum</i> in different littoral zones at Chorwad from December 2014 to November 2015.	103
Figure 4.11	Monthly variations in various ecological attributes of <i>Cellena Radiata</i> in different littoral zones at Navapara from December 2014 to November 2015.	104
Figure 4.12	Monthly variations in various ecological attributes of <i>Cellena Readiata</i> in different littoral zones at Aadri from December 2014 to November 2015.	105
Figure 4.13	Monthly variations in various ecological attributes of <i>Cellena Readiata</i> in different littoral zones at Vadodara from December 2014 to November 2015.	106

LIST OF FIGURES (Conti...)

Figure 4.14	Monthly variations in various ecological attributes of <i>Cellena Readiata</i> in different littoral zones at Chorwad from December 2014 to November 2015.	107
Figure 4.15	Monthly variations in various ecological attributes of <i>Conus Miliaris</i> in different littoral zones at Navapara from December 2014 to November 2015.	108
Figure 4.16	Monthly variations in various ecological attributes of <i>Conus Miliaris</i> in different littoral zones at Aadri from December 2014 to November 2015.	109
Figure 4.17	Monthly variations in various ecological attributes of <i>Conus Miliaris</i> in different littoral zones at Vadodara from December 2014 to November 2015.	110
Figure 4.18	Monthly variations in various ecological attributes of <i>Conus Miliaris</i> in different littoral zones at Chorwad from December 2014 to November 2015.	111
Figure 4.19	Month wise distribution of Temperature (oC) of the seawater samples of selected sampling sites.	112
Figure 4.20	Month wise distribution of pH of the seawater samples of selected sampling sites.	112
Figure 4.21	Month wise distribution of Total Solids (g/l) of the seawater samples of selected sampling sites.	113
Figure 4.22	Month wise distribution of TDS (g/l) of the seawater samples of selected sampling sites.	113
Figure 4.23	Month wise distribution of Salinity (ppt) of the seawater samples of selected sampling sites.	114
Figure 4.24	Month wise distribution of DO (mg/l) of the seawater samples of selected sampling sites.	114
Figure 4.25	Month wise distribution of Ca (g/l) of the seawater samples of selected sampling sites.	115
Figure 4.26	Month wise distribution of Mg (g/l) of the seawater samples of selected sampling sites.	115

LIST OF PLATES

Plate 3.1	Map of the study sites	1166
Plate 3.2	Sampling site of study area	1177
Plate 3.3	Species selected for population ecology	1200
Plate 4.1	Intertidal macro benthos - Mollusca	1211
Plate 4.2	Intertidal macro benthos - Annelida, Echinodermata, Porifera	1244
Plate 4.3	Intertidal macro benthos - Arthropoda	1255
Plate 4.4	Intertidal macro benthos - Cnidaria	1277
Plate 4.5	Intertidal macro benthos - Flora	1300