

CONTENTS

Chapter No.	Name of the Chapters	Page Numbers	
		From	To
LIST OF TABLES			
LIST OF FIGURES			
ABBREVIATIONS			
1	INTRODUCTION	1	16
1.1	Background Study	2	2
1.2	Allelochemicals – Green Solution	3	3
1.3	Population Ecology Complementation – Wetland Ecology	3	5
1.4	Aquatic Macrophytes For This Study	6	8
1.5	Isolation of Bioactive Fraction	8	10
1.6	Biological Activity For This Study	10	14
1.7	Structural Characterization	14	15
1.8	Statistical Analysis	15	16
1.9	Objective of This Study	16	16
2	LITERATURE REVIEW	17	25
3	STUDY SITES AND PLAN OF WORK	26	33
3.1	STUDY SITES	27	31
3.2	WORK LAYOUT	32	33
4	EXPERIMENTAL TOOLS	34	42
4.1	Laboratory Chemical	35	38
4.2	Laboratory Instruments	39	42
5	Aquaculture Practices - <i>Vallisneria spiralis</i> L.	43	94
5.1	Taxonomy	44	44
5.2	Materials and Methods	45	61
5.3	Statistical Analysis	61	61
5.4	Results	62	87
5.5	Statistical Analysis	88	92
5.6	Discussion	93	94
6	Aquaculture Practices - <i>Ipomoea aquatica</i> Forssk.	95	148
6.1	Taxonomy	96	96
6.2	Materials and Methods	96	108
6.3	Statistical Analysis	109	109

Chapter No.	Name of the Chapters	Page Numbers	
		From	To
6.4	Results	109	129
6.5	Statistical Analysis	129	146
6.6	Discussion	147	148
7	<i>Aquaculture Practices - Cyperus rotundus L.</i>	149	204
7.1	Taxonomy	150	150
7.2	Materials and Methods	151	160
7.3	Statistical Analysis	160	161
7.4	Results	161	190
7.5	Statistical Analysis	191	202
7.6	Discussion	202	204
8	<i>Musa paradisiaca – an auxiliary aid</i>	205	214
9	PUBLICATIONS	215	
	CONCLUSION	216	221
	SUMMARY	222	228
	BIBLIOGRAPHY	229	258