

Contents

CONTENTS

CHAPTER	TITLE	PAGE
	i. List of Tables	
	ii. List of Figures	
	iii. List of Plates	
1.	INTRODUCTION	... 1
2.	MATERIAL AND METHODS	... 6
3.	RESULTS AND DISCUSSION	... 10
	I. An Ecological Perspective	
	A. Distribution	... 10
	B. Zonation	... 14
	C. Association	... 20
	D. Phenology	... 23
	E. Leaf Behaviour	... 27
	II. Sediment Characteristics	
	A. Physical	
	a. Texture	... 34
	b. Organic Matter	... 37
	B. Chemical	
	a. E.C.	... 40
	b. pH	... 41
	c. Chlorides	... 43
	d. Salinity	... 45
	e. Elements	... 46
	III. Morphology, Anatomy and Chemotaxonomy	
	A. Morphology	
	a. Leaf Characteristics	... 53
	b. Seedling Morphology	... 57
	c. Adaptations	
	i. Salt Glands	... 65
	ii. Trichomes	... 67
	iii. Pneumatophores	... 70

.....

Contents - contd....

CHAPTER	TITLE	PAGE
	d. Reproductive Strategies	
	i. Flowers	... 77
	ii. Pollens	... 79
	iii. Fruits	... 82
	B. Anatomy	
	a. Leaf	... 85
	b. Stem	... 88
	c. Pneumatophore	... 90
	d. Starch Distribution Pattern	... 91
	C. Chemotaxonomy	
	a. Chlorophylls and Polyphenols	... 92
	b. Carbohydrates	... 100
	c. Proteins	... 107
	d. Elements	... 110
	e. Energy Content	... 119
4.	SUMMARY AND CONCLUSIONS	... 123
5.	REFERENCES	... 137

STATEMENT - I

STATEMENT - II
