## **CONTENTS**

		Page No
CHAPTER I	I	
•	Total synthesis of Achaetolide	
	Introduction	01-13
	Present work	14-20
	Experimental procedure	21-37
	References	38-40
	Spectra	
CHAPTER	II	
Section A	Total synthesis of Pectinolide A	
	Introduction	41-53
	Previous approach	54-54
	Present work	55-62
	Experimental procedure	63-79
	References	80-82
	Spectra	
Section B	Total synthesis of Pectinolide H	
	Introduction	83-83
	Previous approach	84-84
	Present work	85-87
	Experimental procedure	88-92
	References	93-93
	Spectra	
CHAPTER	ш	
	Carbohydrate-pyrrolidine based organocatalyst for enantioselective	
•	Michael addition of carbonyls to nitroole	efins
	Introduction	94-100
	Present work	100-108
	Experimental procedure	109-119
	References	120-123
	Spectra	
LIST OF PUBLICATIONS		124-124