

Table of contents

Sl. No.	Chapter	Description	Page
		Dedication	i
		Declaration	ii
		Certificate	iii
		Preface	iv
		Acknowledgement	v-vii
		Abstract	viii-ix
		List of tables	xi
		List of figures	xii
		List of appendices	xiii
		Abbreviations	xiv-xv
01	Introduction		1-9
02	Review of Literature	2.1 Diabetes mellitus	10-16
		2.2 Pancreas	16-19
		2.3 Oxidative stress and diabetes	19-22
		2.4 Antioxidant	22-24
		2.5 Screening models for anti diabetic activity	24-28
		2.6 Remedial approaches for diabetes mellitus	28-33
03	Materials and Methods	3.1 Study area	34-35
		3.2 Plant material processing	35-36
		3.3 <i>In vitro</i> studies	36-40
		3.4 <i>In vivo</i> studies	40-44
04	Results and Discussion	4.1 Plant materials <i>Hodgsonia heteroclita</i> fruit	45
		4.2 Plant extract yield	45
		4.3 <i>In vitro</i> studies	45-58
		4.4 <i>In vivo</i> studies	58-63
05	Summary		64-65
06	Bibliography		66-86
07	Index		I1-I4
08	Appendices		A1-A6