CONTENTS

Chapter I 1-11
Introduction

Chapter II 12-27
Review of Literature

Chapter III 28-69
Materials and Methods

Chapter IV 70-87
Results and Discussion

Sub Unit I 70-87
Screening, Isolation and Selection of Optimal Production Medium for Cyclodextrin Glycosyl Transferase Producing Organisms

Sub Unit II 88-102
Optimization of Process parameters by conventional method

Sub Unit III 103-113
Strain Improvement Studies for the Production of Cyclodextrin Glycosyl Transferase
Sub Unit IV
Optimization of Process Parameters by Taguchi Method

Sub Unit V
Optimization of Nutritional Factors by Plackett-Burmann Design

Sub Unit VI
Optimization of Process Variables by Response Surface Methodology (Central Composite Design)

Sub Unit VII
Immobilization of cyclodextrin glycosyl transferase

Sub Unit VIII
Purification of Cyclodextrin Glycosyl Transferase

Summary and Conclusion
References
Appendix