

## CONTENTS

Title	Page Number
Synopsis	1
Chapter 1 Introduction	11
Chapter 2 Effect of Dexamethasone Treatment On Biochemical Maturation of Rat Brain	50
Chapter 3 Effect of Dexamethasone Treatment on Metabolic Activities in Rat Liver During Development.	77
Chapter 4 Effect of Dexamethasone Treatment on Oxidative Energy Mitochondria During Postnatal Development.	95
Chapter 5 Effect of Dexamethasone Treatment on Oxidative Energy Metabolism in Rat Liver Mitochondria during Postnatal Periods and in Adults	119
Chapter 6 Dexamethasone Treatment Induced Changes in Lipid / Phospholipid Profiles of Rat Brain Mitochondria During Postnatal Development.	147
Chapter 7 Effect of dexamethasone treatment on lipid/phospholipid profiles of rat liver mitochondria during postnatal development.	170
Chapter 8 Effect of dexamethasone treatment on kinetic attributes of brain mitochondrial ATPase during postnatal development.	189
Chapter 9 Effect of dexamethasone treatment on kinetic attributes of rat liver mitochondrial ATPase during postnatal development.	218
Chapter 10 A Modified Fluorimetric Method for Corticosterone estimation and its Application to have Estimation in Rat Serum, Tissues and Mitochondria.	244