CONTENTS

Abbreviations i-iii
Aim and Objectives 1-2

Section-1 Introduction

Chapter-1  Cerebral ischemia-reperfusion injury 3-19
Chapter-2  Role of oxidative stress in cerebral ischemia-reperfusion injury 20-28
Chapter-3  Role of inflammation in cerebral ischemia-reperfusion injury 29-37
Chapter-4  Role of anti oxidants in cerebral ischemia-reperfusion injury 38-43
Chapter-5  Role of anti-inflammatory agents in cerebral ischemia-reperfusion injury 44-49
Chapter-6  Resveratrol 50-58

Section-2 Review of literature

Chapter-7  Review of literature 59-71

Section 3 Materials and Methods

Chapter-8  Materials and methods 72-100

Section-4 Results and Discussion

Chapter-9  Studies on the Cerebroprotective potential of Resveratrol against ischemia-reperfusion induced cerebral infarction in rats 101-108
Chapter-10  Studies on the Anti-oxidant role of Resveratrol in its Cerebroprotective potential against cerebral ischemia-reperfusion injury 109-117
Chapter-11  Studies on the Anti-inflammatory role of Resveratrol in its Cerebroprotective potential against cerebral ischemia-reperfusion injury 118-127
Chapter – 12  Histology Studies on the Cerebroprotective potential of Resveratrol against Ischemia-Reperfusion Injury 128-131

Summary and Conclusions 132-134

Copy of the Published paper