INTRODUCTION 1 - 10

CHAPTER 1
Neonatal nocturnal hypermelatoninemia increases adult germ cell number and degeneration: Paradoxical effects. 11-37

CHAPTER 2
Postnatal glucocorticoid exposure in the preweanling period hastens spermatogenesis and increases germ cell number: I dose dependent effect. 38 - 53

CHAPTER 3
Transient neonatal exposure to glucocorticoids upto weanling hastens spermatogenesis and increases germ cell number but affects the quality of spermatogenesis: II dose dependent effect. 54 - 69

CHAPTER 4
Neonatal evening corticosterone excess potentiates detrimental effect of melatonin on spermatogenesis: Time dependent effect. 70 - 84
CHAPTER 5
Neonatal morning corticosterone excess further potentiates detrimental effect of melatonin on spermatogenesis: II time dependent effect. 85 - 99

CHAPTER 6
Neonatal corticosterone deprivation decreases germ cell number and sperm density in the adult testes. 100- 112

CHAPTER 7
Evening melatonin nullifies the effect of neonatal hypocorticalism on adult germ cell number and degeneration in male rats. 113-126

CONCLUDING REMARKS 127-136

BIBLIOGRAPHY 137-152