



Table of contents

<i>Acknowledgement</i>	1 - IV
<i>Introduction</i>	1-25
<i>Chapters</i>	
1. Dysregulation of lipid and cholesterol metabolism in high fat diet fed hyperlipidemic rats: Protective effect of <i>Sida rhomboidea.roxb</i> leaf extract.	26-57
2. <i>Sida rhomboidea.Roxb</i> extract alleviates pathophysiological alterations and mitochondrial oxidative stress associated with non-alcoholic steatohepatitis (NASH): Studies on <i>in vivo</i> and <i>in vitro</i> models.	58-85
3. <i>Sida rhomboidea.Roxb</i> leaf extract down-regulates expression of PPAR γ and leptin genes in high fat diet fed C57BL/6J mice and retards <i>in vitro</i> 3T3L1 pre-adipocyte differentiation	86-113
4. Studies on anti-atherosclerosis mechanisms of SR leaf extract	114-137
5. <i>Sida rhomboidea.Roxb</i> and anti-atherosclerotic potential: <i>In vitro</i> evidence for the leaf extract in curbing LDL oxidation, macrophage differentiation, oxidized LDL induced foam cell formation and macrophages apoptosis	138-170
<i>Bibliography</i>	171-196
<i>Article reprints</i>	
