

## List of Figures

Figure no 1.1.1-	Effect of Arjunolic acid on Antioxidants Enzymes of Wistar rats on dose dependent manner.	38
Figure no 1.1.2-	Observation of Ovarian Steroidogenesis of Wistar rats on dose selection of arjunolic acid.	39
Figure no 1.2.1-	Effect of Vitamin B <sub>12</sub> on Antioxidants Status of Wistar rats on dose dependent manner.	44
Figure no 1.2.2-	Observation of Ovarian Steroidogenesis of Wistar rats on dose selection of vitamin B <sub>12</sub> .	45
Figure no 2.1-	Vaginal smear study of Wistar rats on preventive study.	56
Figure no 2.2-	Effect of Arjunolic acid and vitamin B <sub>12</sub> on Antioxidants Status spectrophotometrically of Wistar rats on preventive study.	57
Figure no 2.3-	Effect of Arjunolic acid and vitamin B <sub>12</sub> on Antioxidants Status on electrozymogram of Wistar rats on preventive study.	58
Figure no 2.4-	Status of measured vitamins and homocysteine of Wistar rats on preventive study.	59
Figure 2.5-	Observation of Ovarian Steroidogenesis of Wistar rats on preventive study.	60
Figure 2.6-	Ovarian and Uterine histopathology of Wistar rats on preventive study.	60-61
Figure no 3.1-	Study of estrous cycle pattern of Wistar rats on protective study.	74
Figure no 3.2-	Effect of Arjunolic acid and vitamin B <sub>12</sub> on Antioxidant Status	75

	spectrophotometrically of Wistar rats on protective study.	
Figure no 3.3-	Effect of Arjunolic acid and vitamin B <sub>12</sub> on Antioxidants Status on electrozymogram of Wistar rats on protective study.	76
Figure no 3.4-	DNA fragmentation and comet assay of Wistar rats on protective study.	77
Figure no 3.5-	Observation of Ovarian steroidogenesis of Wistar rats on protective study.	78
Figure no 3.6-	Status of measured vitamins and homocysteine of Wistar rats on protective study.	79
Figure no 3.7-	Measurement of serum SGPT and SGOT level of Wistar rats on protective study.	80
Figure no 3.8-	Ovarian and Uterine histopathology of Wistar rats on protective study.	80
Figure no 4.1-	Study of estrous cycle pattern of Wistar rats on curative study.	96
Figure no 4.2-	Effect of Arjunolic acid and Vitamin B <sub>12</sub> on Antioxidants Status spectrophotometrically of Wistar rats on curative study.	97-98
Figure no 4.3-	Effect of Arjunolic acid and vitamin B <sub>12</sub> on Antioxidants Status on electrozymogram of Wistar rats on curative study.	99-100
Figure no 4.4-	Comet assay of Wistar rats on curative study.	101
Figure no 4.5-	Study of Esr 1, NF-κ B, Metallothionein, TNF alpha, and IL-6 of Wistar rats on curative study.	102
Figure no 4.6-	Ovarian and Uterine histopathology of Wistar rats on curative study.	104

Figure no 5.1-	Observation of Lipid Peroxidation End Products of Wistar rats in <i>in-vitro</i> assay.	116-117
Figure no 5.2-	Effect of Arjunolic acid and vitamin B <sub>12</sub> on Antioxidants Status of Wistar rats in <i>in-vitro</i> assay.	118-121
Figure no 5.3-	Observation of ovarian steroidogenesis level in <i>in-vitro</i> assay.	121-122
Figure no 5.4-	Comet assay in <i>in-vitro</i> assay	122-123