LIST OF ABBREVIATIONS

CMC, Carboxymethylcellulose

PR, Progesterone receptor

AR, Androgen receptor

ER, Estrogen receptor

LH, Luteinizing hormone

LHR, Luteinizing hormone receptor

FSH, Follicle stimulating hormone

FSHR, Follicle-stimulating hormone receptor

DEPC- Diethyl pyrocarbonate

HOX10a, Homeobox 10a

MMP, Matrix Metalloprotease

TIMP, Tissue inhibitors of matrix metalloprotease

LIF, Leukemia inhibitory factor

LIFR, Leukemia inhibitory factor receptor

STAT, Signal transducer and activator of transcription factor

EDTA, Ethylenediaminetetraacetic acid

GC/MS- Gas chromatography mass spectrometry

n-HA, n-Hexadecanoic acid

PE, Petroleum ether

AVG, *Aloe vera* gel

OGTT, Oral Glucose Tolerance Test

P450arom, aromatase cytochrome P450

RT, Retention time

ITGA4, Integrin α4

ITGB1, Integrin β1

GP130, Glycoprotein 130

SDS- Sodium Dodecyl Sulphate

SHBG, Sex hormone binding globulin

StAR, Steroidogenic Acute Regulatory protein

LB Reagent, Libermann-Burchard reagent

CYP17A1,17- hydroxylase/C17–20 lyase cytochrome P450