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## LIST OF ABBREVIATIONS

ACEI	: Angiotensin Converting Enzyme Inhibitors
AEBM	: Aqueous Extract of <i>Butea mosperma</i>
AECF	: Aqueous Extract of <i>Cassia fistula</i>
AELE	: Aqueous Extract of <i>Lycopersicon esculentum</i>
AJCC	: American Joint Committee on Cancer
ALT	: Alanine Aminotransferase
ANOVA	: Analysis of Variance
ARB	: Angiotensin II receptor blocker
AST	: Aspartate Transaminase
ATCC	: American Type Culture Collection
BEBM	: Butanol Extract of <i>Butea mosperma</i>
BECF	: Butanol Extract of <i>Cassia fistula</i>
BELE	: Butanol Extract of <i>Lycopersicon esculentum</i>
B-GLU	: $\beta$ - Glucosidase
BRCA 1	: Breast Cancer 1
BRCA 2	: Breast Cancer 2
CAM	: Chick Chorioallantoic Membrane
CDK4/6	: Cyclin Dependent Kinase 4/6
CPCSEA	: The Committee for the Purpose of Control and Supervision of Experiments on Animals
DCFH-DA	: 2'-7'-Dichlorodihydrofluorescein diacetate
DCIS	: Ductal Carcinoma <i>In-Situ</i>
DMBA	: 7,12-Dimethylbenz[a]anthracene
DMEM	: Dulbecco's Modified Eagle's medium
DMSO	: Dimethyl Sulfoxide
DPPH	: 2,2-diphenyl-1-picrylhydrazyl

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DTNB	: 5,5'-dithiobis-(2-nitrobenzoic acid)
EAC	: Ehrlich ascites carcinoma
EAEBM	: Ethyl Acetate Extract of <i>Butea mosperma</i>
EAECF	: Ethyl Acetate Extract of <i>Cassia fistula</i>
EAELE	: Ethyl Acetate Extract of <i>Lycopersicon esculentum</i>
EDTA	: Ethylenediaminetetraacetic acid
EGFR	: Epidermal Growth Factor Receptor
ELISA	: Enzyme-Linked Immune Sorbent Assay
ER	: Estrogen Receptor
FACS	: Fluorescence-activated cell sorting
FBS	: Fetal Bovine Serum
FITC	: Fluorescein Isothiocyanate
GPCR	: G protein-coupled receptor
GSH	: Glutathione (reduced)
HDACs	: Histone Deacetylases
HEPES	: 4-(2-hydroxyethyl)-1-piperazineethanesulfonic acid
IAEC	: Institutional Animal Ethics Committee
IC <sub>50</sub>	: Inhibitory Concentration (50%)
IDC	: Invasive Ductal Carcinoma
IGF	: Insulin-like Growth Factor
IGF2	: Insulin-like Growth Factor-2
IgG	: Immunoglobulin G
IL-1 $\beta$	: Interleukin-1 $\beta$
IL-6	: Interleukin- 6
ILC	: Invasive Lobular Carcinoma
IPA	: Isopropyl Alcohol
JAK	: Janus Activated Kinase

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LCIS	: Lobular Carcinoma <i>In-Situ</i>
LD <sub>50</sub>	: Lethal Dose- 50
LIC	: Lobular Invasive Carcinoma
LPO	: Lipid Peroxidation
LPS	: LipoPolysaccharide
MAPK	: Mitogen-activated protein kinases
MCF-7	: Michigan Cancer Foundation-7
MEBM	: Methanol Extract of <i>Butea mosperma</i>
MECF	: Methanol Extract of <i>Cassia fistula</i>
MELE	: Methanol Extract of <i>Lycopersicon esculentum</i>
MNU	: MethylNitrosoUrea
MRI	: Magnetic Resonance Imaging
mRNA	: Messenger Ribo Nucleic Acid
mTOR	: Mammalian Target of Rapamycin
MTT	: 3-(4,5-Dimethylthiazol-2-Yl)-2,5-Diphenyltetrazolium Bromide
NCCS	: National Centre for Cell Science
OD	: Optic Density
PARP	: poly ADP ribose polymerase
PCA	: Prostate Cancer
PGE2	: Prostaglandin E2
PI3K	: Phosphoinositide 3-kinase
PR	: Progesterone Receptor
SD	: Sprague Dawley
SEM	: Standard Error Mean
SOD	: SuperOxide Dismutase
TBA	: Thiobarbituric acid

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TCA : Trichloroacetic acid  
TGF-b1 : Transforming Growth Factor-b1  
TNF- $\alpha$  : Transforming Growth Factor-  $\alpha$   
VEGF : Vascular Endothelial Growth Factor