

LIST OF ABBREVIATIONS

A549 – Carcinomic human alveolar basal epithelial cell line

ACHN – Renal adenocarcinoma cell line

AgNPs – Silver nanoparticles

AGS – Human gastric adenocarcinoma epithelial cell line

ANOVA – One way analysis of variance

Bax – BCL2 Associated X Protein

Bcl-2 – B-Cell Lymphoma-2 homolog

BJ-1 – Human normal skin cell line

BST – Brine shrimp lethality test

C32 – Melanoma cancer cells

C37A – *N*-citronellylamine

Ca – Calcium

CHCl₃ – Chloroform

CO₂ – Carbon dioxide

CoR L-23 – Human Caucasian lung large cell carcinoma

CRL-1586 – Non-tumorigenic cell line

Cu – Copper

DMEM – Dulbecco's Modified Eagle's Medium

DMSO – Dimethyl sulphoxide

DNA – Deoxyribonucleic acid

EACT – Ethyl acetate extract *Calamus tenuis* Roxb. shoots

ED₅₀ – Effective dose

EDTA – Ethylenediaminetetraacetic acid

EU – European Union

F-2 – Methanolic Supernatant extract fraction no-2 of *Calamus tenuis* Roxb. shoots

F-3 – Methanolic Supernatant extract fraction no-3 of *Calamus tenuis* Roxb. shoots

F-8 – Methanolic Supernatant extract fraction no-8 of *Calamus tenuis* Roxb. shoots

FAO – Food and Agriculture Organization (United Nations)

FBS – Fetal bovine serum

Fe – Iron

FeCl₃ – Ferric chloride

GLOBOCAN – Global Burden of Cancer Study

GST – Glutathione S-transferase

H₂SO₄ – Sulfuric acid

HCl – Hydrochloric acid

HCT116 – Colon cancer cell lines

HCT-116 – Human Colon Tumour Cell line 116

HECT – Hexane extract of *Calamus tenuis* Roxb. shoots

HEK-293 – Embryonic kidney cells normal cell line

HEK293 – Human Embryonic Kidney 293

HeLa – Human epithelial carcinoma cell line

HepG2 – Hepatocellular cancer cell lines

HFFF – Human fetal foreskin fibroblast

HSE – *Hibiscus sabdariffa* aqueous extract

HT 29 – Human colorectal adenocarcinoma cell line

HTB-22 – Breast cancer cell line

IC₅₀ – Inhibitory concentration

ID₅₀ – Inhibitory dose

ITC – Isothiocyanates

K – Potassium
K5 – keratin 5 (human leukemia cells)
L132 – Nontumorigenic Human Lung Epithelial Cells
L929 – Normal fibroblast cell line
LDL – Low-density lipoproteins
LS-174 – human colon carcinoma cell line
MCF-10A – Normal mammary epithelial cells
MCF-12A - Normal breast cell line
MCF7 – Michigan Cancer Foundation-7 (Breast cancer cells)
MDA-MB-231 – triple negative breast cancer cell line
MDA-MB-468 – Human breast carcinoma cell line
MeOH – Methanol
Mg – Magnesium
Mn – Manganese
MPCT – Methanolic precipitate extract <i>Calamus tenuis</i> Roxb. shoots
MSCT – Methanolic Supernatant extract <i>Calamus tenuis</i> Roxb. shoots
MTT – (3-(4,5-dimethylthiazol- 2-yl)-2,5-diphenyl-tetrazolium bromide)
Na – Sodium
NaOH – Sodium hydroxide
NCI-H460 – Human non small cell lung carcinoma
NF – Nuclear Factor
NFAs – Non-nutritive Functional Agents
NNK – 4-(methylnitrosamino)-1-(3-pyridyl)-1-butanone
NS – Non-significant
NTFPs – Non-Timber Forest Products

P – Phosphorus

P value – Calculated probability

P53 – Tumour Phosphoprotein

PBS – Phosphate buffer saline

RL7 – 3,5-bis (3,4,5-trimethoxybenzylidene)-1-methylpiperidin-4-one

SES – Socio Economic Status

SF-268 – Human glioma and astrocytoma cell

SI – Selectivity index

SK-BR-3 – Breast adenocarcinoma cell line

SRB – Sulforhodamine B

SVK14 – Normal skin epithelial cells

TLC – Thin Layer Chromatography

TPVG – Trypsin phosphate versus glucose solution

TRM – Traditional Medicine

UACC-62 – Melanoma derived cell line

USA – United States of America

UV – Ultra Violet

WEPs – Wild Edible Plants

WHO – World Health Organization

Zn – Zinc