

# *List of Abbreviations*

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<b>Abbreviations</b>	<b>Full Form</b>
AIDS	Acquired Immune Deficiency Syndrome
AKI	Acute kidney injury
ALP	Alkaline phosphatase
ANOVA	Analysis of variance
ATP	Adenosine triphosphate
AOAC	Association of Official Analytical Chemists Methods
BD FACS	Flow Cytometer from BD Biosciences
BUN	Blood urea nitrogen
CAT	Catalase
CKD	Chronic kidney disease
cm	Centimeter
CMC	Carboxymethyl cellulose
CTAB	Cetyl trimethylammonium bromide
DB	Direct bilirubin
DMSO	Dimethyl sulfoxide
DNA	Deoxyribonucleic acid
DPPH	2,2-diphenyl-1-picrylhydrazyl
DTNB	5,5'-Dithiobis-(2-Nitrobenzoic Acid)
EDTA	Ethylenediaminetetraacetic acid
ELE	Ethanollic extract of <i>Exacum lawii</i>
ELISA	Enzyme-linked immunosorbent assay

ESI-MASS	Electrospray ionization- Mass spectroscopy
FDA	Food and Drug Administration
FL1 channel	525nm Band Pass Filter
FL-2 channel	575nm Band Pass Filter
GCMS	Gas chromatography–mass spectrometry
GSH	Glutathione
HEK-293	Human embryonic kidney cells 293
HIV	Human immunodeficiency virus
i.p.	Intra peritoneal
IC <sub>50</sub>	Half maximal inhibitory concentration
IL-1 $\beta$	Interleukin-1 beta
IL-6	Interleukin-6
iNOS	Inducible nitric oxide synthase
IRF-1	Interferon regulatory factor 1
ISSR	Inter simple sequence repeat
LCMS	Liquid chromatography–mass spectrometry
LPO	Lipid peroxidation
matK	Megakaryocyte-associated tyrosine-protein kinase
MDA	Malondialdehyde
min	minute
MTT	5-Methyl-1H-tetrazole
NADH	Nicotinamide adenine dinucleotide
NADPH	Nicotinamide adenine dinucleotide phosphate
NBT	nitro-blue tetrazolium
NCI	National Cancer Institute

NIST	National Institute of Standards and Technology
NMR	Nuclear magnetic resonance spectroscopy
NOS	Nitric oxide synthase
NTP	Nucleoside triphosphate
OCT	Organic cation transporter
p.o.	Peroral
PBS	phosphate buffered saline
Phe	Phenylalanine
ppm	parts per million
PVDF	Polyvinylidene fluoride
RAPD	Random Amplification of Polymorphic DNA
rbcL	ribulose bisphosphate carboxylase/oxygenase
RCSB-PDB	Research Collaboratory for Structural Bioinformatics Protein Data Bank
RNA	Ribonucleic acid
ROS	Reactive oxygen species
SDS-PAGE	Sodium dodecyl sulfate polyacrylamide gel electrophoresis
SEM	Scanning electron microscope
SGOT	Serum glutamic oxaloacetic transaminase
SGPT	Serum glutamic pyruvic transaminase
SOD	Superoxide dismutase
TB	Total bilirubin
TBA	Thiobarbituric acid
TLC	Thin layer chromatography
TNF- $\alpha$	Tumor necrosis factor

UV

Ultraviolet

WHO

World Health Organization

## *List of Symbols*

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$\alpha$	Alpha	nm	Nano meter
$\beta$	Beta	nl	Nano liter
$^{\circ}$	Degree	v/v	volume/volume
$\mu\text{g}$	Microgram	sec	Seconds
$\mu\text{l}$	Microliter	w/v	weight/volume
$\mu\text{g}$	Microgram	w/w	weight/weight
%	Percentage		
©	Copyright		
cm	Centimeter		
gm	Gram(s)		
hr	Hour		
Kg	Kilogram		
l	Liter		
m	Meter		
M	Molar		
mg	Milligram		
min	Minutes		
ml	Milliliter		
mm	Milimeter		
mM	Milimolar		