

## *List of Abbreviations*

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<b>Abbreviations</b>	<b>Full Form</b>
AFLP	Amplified Fragment Length Polymorphism
ANOVA	Analysis of variance
ATCC	American Type Culture Collection
BBD	Box–Behnken Design
BG	Bioadhesive Gel
BHA	Butylated Hydroxy Anisole
b.w.	Body weight
CGA	Chlorogenic Acid
CTAB	N-Cetyl-N, N, N-trimethyl ammonium bromide
CX	Cortex
DE	Diosgenin equivalent
DoE	Design of experiments
DNA	Deoxyribonucleic acid
DPPH	1, 1–diphenyl–2–picryl–hydrazil
DTNB	Di-thio bis nitro benzoic acid
EDTA	Ethylene diamine tetraacetic acid
ELM	Ethanolic extract of <i>Leea macrophylla</i>
ELMO	Oral treatment with ethanolic extract of <i>Leea macrophylla</i>
ELMT	Topical treatment with bioadhesive gel of ethanolic extract of <i>Leea macrophylla</i>
EtOH	Ethanol

FE	Fructose equivalent
FRSE	Free radical scavenging enzymes
GSH	Reduced glutathione
HA	Hexosamine
HP	Hydroxyproline
HPLC	High Performance Liquid Chromatography
HTAB	Hexadecyl trimethyl ammonium bromide
HUA	Hexuronic acid
i.p.	Intraperitoneal
LMAQ	Aqueous fraction of ethanolic extract of <i>Leea macrophylla</i>
LMBU	Butanol fraction of ethanolic extract of <i>Leea macrophylla</i>
LMC	Chloroform fraction of ethanolic extract of <i>Leea macrophylla</i>
LMH	Hexane fraction of ethanolic extract of <i>Leea macrophylla</i>
LPO	Lipid peroxidation
ISSR	Inter Simple Sequence Repeat
MDA	Malondialdehyde
MHA	Muller Hinton agar
MIC	Minimum Inhibitory Concentration
MPO	Myeloperoxidase
MR	Medullary rays
NADH	Nicotineamide adenine dinucleotide
NBT	Nitroblue Tetrazolium
NCCLS	National Committee for Clinical Laboratory Standards
NED	N-naphthyl-ethylenediamine
NO	Nitric oxide

OD	Optical density
OECD	Organization of Economics Co–operation and Development
PBS	Phosphate buffered saline
PC	Polycarbophil
PCR	Polymerase Chain Reaction
PDAB	Para dimethyl amino benzaldehyde
PH	Phloem
PMS	Phenozine metho sulphate
p.o.	Per oral
PVP	Polyvinyl Pyrollidone
RAPD	Random amplified polymorphic DNA
RE	Rutin equivalent
RFLP	Restriction Fragment Length Polymorphism
ROS	Reactive oxygen species
SA	Sulfanilamide
SCMC	Sodium carboxy methyl cellulose
SDS	Sodium dodecyl sulphate
SDS-PAGE	Sodium dodecyl sulfate polyacrylamide gel electrophoresis
SEM	Scanning electron microscopy
SOD	Superoxide dismutase
SPP	Sodium pyrophosphate
SPT	Sodium potassium tartarate
SSR	Simple Sequence Repeat
TAA	Trichloro acetic acid
TAE	Tannic acid equivalent

TBA	Thio-barbituric acid
TCA	Trichloro acetic acid
TM	Traditional Medicine
TMB	3, 3', 5, 5'-tetramethylbenzidine
TNF- $\alpha$	Tumor Necrosis Factor- $\alpha$
TP	Total phenols
TPA	Texture Profile Analysis
TWA	Total wound area
TWD	Triple distilled water
TS	Transverse section
VEGF	Vascular Endothelial Growth Factor
WHO	World Health Organization

## *List of Symbols*

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