

APPENDIX-H**H. ABBREVIATION USED**

1NFK: PDB ID of NFκB	CS: Capsule space
AAE: Ascorbic acid equivalent	CV: Central vein
ABTS: 2,2'-Azino-bis-3-ethylbenzo-thiazoline-6-sulfonic acid	CYP2E1: Cytochrome P450 2E1
ACSEE: <i>Averrhoa carambola</i> stem ethanolic extract	D: Degeneration
ADME: Adsorption distribution metabolism and excretion	DC: Distal convulated tubule
ALP: Alkaline phosphatase	DCI: Disease Consensus Index
ALT: Alanine transaminase	DNA: Deoxyribo nucleic acid
ANOVA: Analysis of variance	DPPH: Di-phenyl-(2,4,6-trinitrophenyl) iminoazanium
AP-1: Activator protein-1	DTNB: 5,5'-dithiobis-(2-nitrobenzoic acid)
ASE: <i>Amaranthus spinosus</i> ethanolic extract	DW: Dry weight
AST: Aspartate transaminase	EC ₅₀ : Half maximal effective concentration
BHA: Butylated hydroxyanisole	EDTA: Ethylenediaminetetraacetic acid
BHT: Butylated hydroxytoluene	FeCl ₂ : Ferrous chloride
BC: Biliary cirrhosis	FeSO ₄ .7H ₂ O: Ferrous sulphate heptahydrate
BSA: Bovine serum albumin	FRAP: Ferric reducing antioxidant property
BSI: Botanical survey of India	GA: Glomerular atrophy
BTAD: Bodoland Territorial Autonomous District	GAE: Gallic acid equivalent
BW: Body weight	GC-MS: Gas chromatography and mass spectrometry
BVG: Blood vessel glomeruli	GGT: Gamma-glutamyltransferase
CAT: Catalase	GSH: Glutathione reductase
CCl ₃ : Trichloromethyl radical	GSH-Px: Glutathione peroxidase
CCl ₄ : Carbon tetrachloride	H ₂ O ₂ : Hydrogen peroxide
CID: PubChem Compound Identification	H ₂ SO ₄ : Sulphuric acid
COX-2: Cyclooxygenase 2	H-Box: Alpha helical protein
CPCSEA: Committee for the purpose of control & supervision of experiments of animals	HBx: Hepatitis B virus X protein

HCL: Hydrochloric acid	RoMi-AE: Root of <i>Morus indica</i> acetone extract
HDL: High-density lipoprotein	RoMi-EE: Root of <i>Morus indica</i> ethanolic extract
H-E dye: Hematoxylin & eosin dye	RoPt-AE: Root of <i>Phlogacanthus thyrsoiflorus</i> acetone extract
HepG2: Hepatoma G2 (Human liver cancer cell line)	RoPt-EE: Root of <i>Phlogacanthus thyrsoiflorus</i> ethanolic extract
HIV-1: Human immunodeficiency virus-1	ROS: Reactive oxygen species
IC ₅₀ : Half maximal inhibitory concentration	SAPK/JNK: Stress-activated protein kinase/c-Jun NH ₂ -terminal kinase
ICC: Iron chelating capacity	SCiGRESS: Docking software
II: Inflammatory infiltration	SD: Standard deviation
IL-1 β : Interleukin 1 beta	SDF: Statutory declaration form
iNOS: Inducible nitric oxide synthase	SDS: Sodium dodecyl sulphate
K ₃ [Fe(CN) ₆]: Potassium ferricyanide	SE: Standard error
LDH: Lactate dehydrogenase	SOD: Superoxide dismutase
LDL: Low-density lipoprotein	TAC: Total antioxidant capacity
LPx: Lipid peroxidation	TBA: Thiobarbituric acid
MM-GBSA: Molecular mechanics/generalized born surface area	TBARS: Thiobarbituric acid reactive substance
MN: Mild necrosis	TC: Total cholesterol
MS: Microvesicular steatosis	TFC: Total flavonoid content
NER: North-East Region	TG: Triglyceride
NF κ B: Nuclear factor kappa-light-chain-enhancer of activated B cell	TNF- α : Tumor necrosis factor alpha
NIST: National institute of standards and Technology	TPC: Total phenolic content
OPLS: Optimized potential for liquid simulation.	TPTZ: 2,4,6- Tri(2-pyridyl)-s-triazine
PCM: Paracetamol	UV-VIS: Ultra violet-visible
PDB: Protein data bank	V: Vacuolation
QE: Quercetin equivalent	VLDL: Very low density lipoprotein
RH: Regenerating hepatocyte	WCS: Widening of capsule space
RMSD: Root mean square deviation	WHO: World health organisation
RoAc-AE: Root of <i>Averrhoa carambola</i> acetone extract	WRL: Human cell line
RoAc-EE: Root of <i>Averrhoa carambola</i> ethanolic extract.	