LIST OF ABBREVIATIONS

Activated protein-1 (AP-1)
Advanced glycation endproducts (AGE)
Alkaline phosphates (ALKP)
Angiotensin II (AT-II)
apolipoprotein B (apoB)
Autoimmune diabetic in adults (AIDA)
Bronchoalveolar lavage (BAL)
*Calotropis gigantea* (*C. gigantea*)
*Calotropis gigantea* flowers
*Calotropis gigantea* leaves chloroform (CLCH)
Cardiovascular (C.V)
Catalases (CAT)
chloroform extracts (CFCH)
Connective tissue growth factor (CTGF)
Coronary atherosclerotic disease (CAD)
Cyclooxygenase-2 (COX-2)
Diabetic mellitus (DM)
Diabetic Nephropathy (DN)
Diabetic retinopathy (DR)
Diabetic vasculopathy (DV)
Encephalomyocarditis Virus (EMCV)
Endothelial cell (EC)
Endothelial nitric oxide synthase (ENOS)
Endothelin-1 (ET-1)
End-stage renal disease (ESRD)
Fasting Insulin resistance Index (FIRI)
Fructose diet (FD)
Fructose diet-*Nyctanthes arboritris* flowers chloroform extract (FD-NFCH)
Fructose diet-*Nyctanthes arboritris* leaves chloroform (FD-NLCH)
Fructose induced Insulin Resistance (FIIR)
Gestational diabetes mellitus (GDM)
Glomerular filtration rate (GFR)
Glutathione Peroxidases (GPx)
Insulin-dependent diabetes mellitus (IDDM)
Lipid Peroxidation (LPO)
Low-density lipoprotein [LDL]
Matrix metalloproteinases (MMPs)
Maturity-onset diabetics of youth (MODY)
Microsomal triglyceride transfer protein (MTP)
Monocyte chemo attractant protein-1 (MCP-1)
Nitric oxide (NO)
Non Insulin-dependent diabetes mellitus, (NIDDM)
Non-proliferative diabetic retinopathy (NPDR)
*Nyctanthes arboritris* (*N. Arboritris*)
*Nyctanthes arboritris* flowers chloroform extract (NFCH)
*Nyctanthes arboritris* leaves chloroform extract (NLCH)
Oral glucose tolerance tests (OGTT)
Peripheral atherosclerotic disease (PAD)
Peroxisome proliferator-activated receptor (PPAR)
Plasminogen activator inhibitor [PAL-1]
Proliferative diabetic retinopathy (PDR)
Protein kinase C (PKC)
Reactive oxygen species (ROS)
Receptor of advanced glycation end products (RAGE)
Self-monitoring of blood glucose (SMBG)
Semliki Forest Virus (SFV)
Serum glutamate oxaloacetate transaminase (SGOT)
Serum glutamate pyruvate transaminase (SGPT)
Sheep red blood cells (SRBC)
Streptozotocin (STZ)
Superoxide Dismutases (SOD)
Tissue factor (TF)
Transforming growth factor b (TGFb)
Tumor necrosis factor alpha (TNF-α)
Tumor necrosis factor a (TNFα)
Vascular cell adhesion molecule-1 (VCAM-1)
Vascular smooth muscle cells (VSMC)
Very low density lipoprotein (VLDL)