

ABBREVIATIONS

Adenosine tri-phosphate	ATP
Advanced glycation end-products	AGE ^{’s}
Aldose reductase	AR
Aldose reductase inhibitor	ARI
Analysis of Variance	ANOVA
Catalase	CAT
Deoxy ribonucleic acid	DNA
Free radicals	FR
Glutathione peroxidase	GPx
Glutathione reductase	GRx
Glyceraldehyde 3-phosphate dehydrogenase	GAPDH
Hydrogen peroxide	H ₂ O ₂
Hydroxyl radical	HO [•]
Hypochlorous acid	HOCL
Malondialdehyde	MDA
Nicotinamide adenine dinucleotide	NAD
Nicotinamide adenine dinucleotide phosphate	NADP
Oxidised glutathione	GSSG
Ozone	O ₃
Peroxyl radical	LOO [•]

Poly unsaturated Fatty Acid	PUFA
Protein –kinase C	PKC
Reactive oxygen species	ROS
Reduced glutathione	GSH
Reduced Nicotinamide adenine dinucleotide	NADH
Reduced Nicotinamide adenine dinucleotide phosphate	NADPH
Singlet Oxygen	$^1\text{O}_2$
Superoxide dismutase	SOD
Superoxide radical	$\text{O}_2^{\bullet-}$
Thiobarbituric Acid reactive substances	TBARS
Tissue culture medium -199	TC-199
Tukey's Honestly significant differences	Tukey's HSD