

LIST OF ABBREVIATIONS

AHR	Airway hyper-responsiveness
Al (OH) ₃	Aluminum Hydroxide
APC	Antigen presenting cells
BAL	Bronchoalveolar lavage
CHCl ₃	Chloroform
CMI	Cell mediated immunity
Conc.	Concentration
COX	Cyclooxygenase
DPPH	2, 2-Diphenyl-1- picrylhydrazyl
FeCl ₃	Ferric chloride
FEV	Forced expiratory volume
GAN	Global Asthma Network
GC-MS	Gas chromatography-mass spectroscopy
GINA	Global Initiative on Asthma
GM-CSF	Granulocyte- macrophage colony-stimulating factor
GSH	Glutathione
IL	Interleukins
MTT	3-(4,5- dimethylthiazol-2-yl)-2,5-diphenyl tetrazolium bromide
NaOH	Sodium hydroxide
NC	Normal saline treated
NHLBI	National Heart, Lung and Blood Institute
NOS	NO synthases
NO _x	Nitric oxide
OVA	Ovalbumin
PEF	Peak expiratory flow
Petroleum ether	pet ether
R & D	Research and development
ROS	Reactive oxygen species

SC	Sensitized guinea pigs control
TH cell	T helper cells
TNF-	Tumor necrosis factor-alpha
UV	Ultraviolet Spectrophotometer
w/v	Weight by volume
w/w	Weight by weight
WHO	World Health Organization

LIST OF SYMBOLS

	Alpha
	Beta
cm	Centimeter
°C	Degree Celsius
g	Gram
	Gamma
hrs.	Hours
Kg	Kilogram
Km	Kilo meter
L	Liter
ml	Milliliters
µg	Microgram
µl	Microliter
µg/ ml	Microgram per milliliters
mg	Milligram
mm	Millimeters
nm	Nanometer
%	Percentage