CONTENTS

List of Abbreviations

Abbreviations	**Full Form**
ALT	Alanine aminotransferase
ANOVA	Analysis of variance
ASP	Aspirin
AST	Aspartate transaminase
b.w.	Body weight
BF	Butanol fraction
BHA	Butylated Hydroxy Anisole
BK	Bradykinin
BUN	Blood urea nitrogen
CAT	Catalase
CF	Chloroform fraction
CMC	Carboxy methyl cellulose
COD	Calcium oxalate dehydrate
COM	Calcium oxalate monohydrate
COX	Cyclooxygenase
CRS	Cold restrain stress
DMARD	Disease modifying anti-rheumatic drug
DNA	Deoxyribonucleic acid
DPPH	1, 1–diphenyl–2–picryl–hydrazil
DTNB	Di-thio bis nitro benzoic acid
EAD	Ethanol extract of *Aganosma dichotoma*
EAF	Ethyl acetate fraction

EBD	Evans blue dye
ECL	Entero-chromaffin like cell
EDTA	Ethylene diamine tetraacetic acid
EG	Ethylene glycol
ESR	Erythrocyte sedimentation rate
EtOH	Ethanol
FAME	Fatty acid methyl ester
FCA	Freunds complete adjuvant
GC-FID	Gas chromatography flame ionization detector
GSH	Reduced glutathione
HPTLC	High Performance Thin Layer Chromatography
IASP	International association for study of pain
IHP	Indian herbal pharmacopoeia
i.p.	Intraperitoneal
IL	Interleukin
LOX	Lipooxygenas
LPO	Lipid peroxidation
LT	Leukotriene
MCH	Mean corpuscular hemoglobin
MCHC	Mean corpuscular hemoglobin concentration
MCV	Mean corpuscular volume
MDA	Malondialdehyde
Mn-SOD	Manganese superoxide dismutase gene

MRI	Magnetic resonance imaging
MTX	Methotrexate
NADH	Nicotineamide adenine dinucleotide
NBT	Nitroblue Tetrazolium
NHANES	National health and nutrition examination survey
NO	Nitric oxide
NSAID	Non-steroidal anti-inflammatory drug
OA	Osteoarthritis
OECD	Organization of Economics Co–operation and Development
OMZ	Omeprazole
p.o.	Per oral
PAF	Platelet activating factor
PBS	Phosphate buffered saline
PF	Petroleum ether fraction
PG	Prostaglandin
PKA	Protein kinase A
PL	Pylorus ligation
PUD	Peptic ulcer disease
PVPP	Polyvinyl Poly Pyrollidone
RA	Rheumatoid arthritis
RF	Rheumatoid factor
ROS	Reactive oxygen species
SA	Sulfanilamide

SLE	Systemic lupus erythematosus
SOD	Superoxide dismutase
TBA	Thio-barbituric acid
TC	Total carbohydrate
TCA	Trichloro acetic acid
TCA	Trichloro acetic acid
TGF- α	Transforming growth factor
TLC	Total leukocyte count
TNF-α	Tumor Necrosis Factor-α
TP	Total protein
TS	Transverse section
VEGF	Vascular Endothelial Growth Factor
WHO	World Health Organization

List of Symbols

α	Alpha	w/v	weight/volume
β	Beta	w/w	weight/weight
°	Degree	i.p.	Intraperitoneal
µg	Microgram	R_f	Retention factor
µl	Microliter	IC	Inhibitory Concentration
µg	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		

LIST OF TABLES

LIST OF FIGURES