

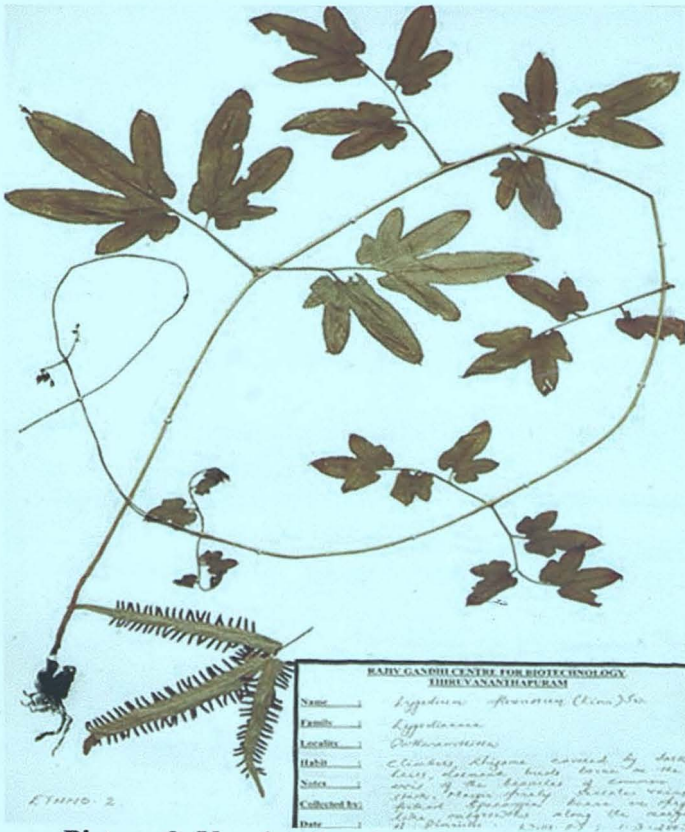
ABBREVIATIONS

ALT	Alanine aminotransferase
ALP	Alkaline phosphatase
AMV-RT	Avian myeloblastosis virus-Reverse transcriptase
Ang-1	Angiopoietin-1
Ang-2	Angiopoietin-2
ANOVA	Analysis of variance
APAP	Acetaminophen
APNI	Australian Plant Name Index
APS	Ammonium persulphate
AST	Aspartate aminotransferase
ATCC	American Type Culture Collection
Bax	Bcl-2 associated x protein
Bcl-2	B-cell CLL/lymphoma 2
BLAST	Basic Local Alignment Search Tool
bp	base pair
BSA	Bovine serum albumin
CCL ₄	Carbon tetrachloride
cDNA	complementary Deoxyribonucleic acid
CPCSEA	Committee for the Purpose of Control and Supervision of Experiments on Animals
CYP450	Cytochrome P450
DAB	3,3'-Diaminobenzidine
DEPC	Diethylpyrocarbonate
DMEM	Dulbecco's Modified Eagle Medium
DMSO	Dimethyl sulfoxide
dNTPs	Deoxynucleoside triphosphates
DTNB	Dithiobis-2-nitrobenzoic acid
DTT	Dithiothreitol
ECM	Extracellular matrix
EDTA	Ethylenediaminetetraacetic acid
EGTA	Ethylene glycol-bis (2-aminoethyl ether)- <i>N,N,N',N'</i> -tetraacetic acid
FBS	Fetal bovine serum
FITC	Fluorescein isothiocyanate
GalN	D-Galactosamine
γ -GT	Gamma glutamyl transferase
GSH	Reduced glutathione
GST	Glutathione S-transferase
G3PDH	Glyceraldehyde-3-phospho dehydrogenase
H ₂ O ₂	Hydrogen peroxide
HCC	Hepatocellular carcinoma
H&E	Hematoxylin and eosin
HEPES	<i>N</i> -2-Hydroxyethylpiperazine- <i>N</i> -2-ethane-sulphonic acid
HPTLC	High performance thin layer chromatography
HRP	Horseradish peroxidase
HSC	Hepatic stellate cell
IAEC	Institute Animal Ethics Committee
IL-1 β	Interleukin-1 β
i.p	Intraperitoneal
IPTG	Isopropyl-1-thio- β -D-galactoside
kDa	kilodalton
LDH	Lactate dehydrogenase
MDA	Malondialdehyde
MMP-13	Matrix metalloproteinase-13

MTT	3-(4,5-dimethylthiazol-2-yl)-2,5-diphenyltetrazoliumbromide
MTS	3-(4, 5-dimethylthiazol-2-yl)-5-(3-carboxymethoxyphenyl)-2-(4-sulfophenyl)-2H-tetrazolium, inner salt
mRNA	messenger Ribonucleic acid
mg	milligram
mL	millilitre
mM	millimolar
µg	microgram
µL	microlitre
µM	micrometer
Na ₃ VO ₄	Sodium orthovanadate
NAPQI	<i>N</i> -acetyl- <i>p</i> -benzoquinone imine
NCBI	National Center for Biotechnology Information
NCCS	National Centre for Cell Science
NCLAS	National Centre for Laboratory Animal Sciences
NDEA	<i>N</i> -Nitrosodiethylamine
NF-κB	Nuclear transcription factor-kappa B
ng	nano gram
nmol	nano mole
OD	Optical density
oligo(dT)	Oligodeoxythymidylic acid
PARP	Poly (ADP) ribose polymerase
PAGE	Poly acrylamide gel electrophoresis
PBS	Phosphate buffered saline
PMSF	Phenylmethylsulfonyl fluoride
PS	Phosphatidyl serine
PVDF	Polyvinylidene difluoride
ROS	Reactive oxygen species
rpm	Revolutions per minute
RT-PCR	Reverse transcriptase-Polymerase chain reaction
s.c.	Subcutaneous
SD	Standard deviation
SDS	Sodium dodecyl sulphate
TAE	Tris/acetate-EDTA (buffer)
Taq	<i>Thermus aquaticus</i> DNA (polymerase)
TBA	Thiobabutaric acid
TBARS	Thiobarbituric acid reactive substance
TBST	Tris-buffered saline-Tween 20
TCA	Trichloroacetic acid
TEG	Tris-HCl - EDTA - Glucose
TEMED	<i>N, N, N', N'</i> -Tetramethylethylenediamine
TGF-β1	Transforming growth factor-beta 1
TK	Thymidine kinase
TNF-α	Tumor necrosis factor-α
Tie-2	Endothelium-specific receptor tyrosine kinase-2
TIMP-1	Tissue inhibitor of metalloproteinase-1
TLC	Thin Layer Chromatography
Tris	Tris(hydroxymethyl)aminomethane
TRAIL	Tumor necrosis factor-related apoptosis-inducing ligand
TRITC	Tetramethylrhodamine isothiocyanate
TSR	Template suppressor reagent
UDPGA	Uridine diphosphoglucouronic acid
VEGF	Vascular endothelial growth factor
v/v	volume/volume
WBC	White blood corpuscles
Xgal	5-brom-4-chloro-3-indolyl-beta-D-galactoside



Picture 1: *Lygodium flexuosum* (L.) Sw.



Picture 2: Voucher Specimen No. ETHNO 2.