

ASSIGNED WORK

**CONSERVATION AND
MULTIPLICATION OF
RARE, ENDANGERED,
THREATENED, ENDEMIC
AND ECONOMICALLY
IMPORTANT PLANTS OF
NORTH EAST INDIA.**

B.B.T.THAM & L.R.MEITEI



VIEW OF A SECTION OF THE GARDEN

TOURS CONDUCTED

FIELD TOURS:

2 (TWO) LOCAL TOURS
(EAST KHASI HILLS)

LOCAL TOUR TO MAWPHLANG,
EAST KHASI HILLS, MEGHALAYA
ON 06/10/2020

LOCAL TOUR TO SHELLA, EAST
KHASI HILLS, MEGHALAYA W.E.F.
09/10/2020 TO 11/10/2020



VEGETATION IN A SOUTH FACING HILLSLOPE IN MAWPHLANG

LIVE PLANTS COLLECTION : 53 SPECIES

RET : 9

Aquilaria malaccensis (3 nos.), *Brucea mollis* (5 nos.), *Cephalotaxus griffithii* (5 nos.), *Gnetum gnemon* (5 nos.), *Hedychium rubrum* (2 nos.), *Impatiens angustiflora* (4 nos.), *Impatiens benthamii* (3 nos.), *Impatiens jurpia* (5 nos.) and *Impatiens porrecta* (4 nos.).



ECONOMICALLY IMPORTANT AND MEDICINAL PLANTS : 26

Actinidia callosa (3 nos.), *Areca catechu* (6 nos.), *Artocarpus lakoocha* (1 no.), *Begonia hatacoa* (1 no.), *Bryophyllum pinnatum* (3 nos.), *Castanea dentata* (3 nos.), *Castanopsis indica* (1 no.), *Cheilocostus speciosus* (6 nos.), *Cycas revoluta* (7 nos.), *Dioscorea* sp. (1 no.), *Elaeagnus* sp. (9 nos.), *Equisetum* sp. (3 nos.), *Eriosema chinensis* (2 nos.), *Garcinia pedunculata* (2 nos.), *Hedychium* sp. (5 nos.), *Holmskioldia sanguinea* (1 no.), *Impatiens arguta* (4 nos.), *Impatiens pulchra* (3 nos.), *Impatiens tripetala* (5 nos.), *Magnolia champaca* (5 nos.), *Musa* sp. (5 nos.), *Phlogacanthus thyriflorus* (20 nos.), *Podocarpus neriifolius* (5 nos.), *Pyrus pashia* (14 cuttings), *Rauvolfia verticillata* (2 nos.) and *Zizyphus mauritiana* (2 nos.).

PLANT PROPAGATION

TRANSPLANTING: 1002 SEEDLINGS (8 SPECIES) :

Aesculus assamica (168 seedlings), *Artocarpus heterophyllus* (61 seedlings), *Cephalotaxus griffithii* (126 seedlings), *Dillenia indica* (41 seedlings), *Mesua ferrea* (68 seedlings), *Musa velutina* (17 seedlings), *Prunus napaulensis* (300 nos.) and *Psychotria nervosa* (221 seedlings)

MULTIPLICATION THROUGH CUTTINGS : 323 NOS. (2 SPECIES) :

Azalea sp. (300 cuttings) and *Nepenthes khasiana* (23 cuttings)

SEED GERMINATION : 16 SPECIES :

Aesculus assamica (100 nos.), *Artocarpus heterophyllus* (60 seeds), *Choerospondias axillaris* (~3100 seeds), *Citrus maxima* (335 seeds), *Citrus* sp. (260 seeds), *Delonix regia* (472 seeds), *Elaeocarpus floribundus* (250 seeds), *Elsholtzia griffithii* (~300 seeds), *Magnolia champaca* (~350 seeds), *Musa aurantiaca* (~600 seeds), *Platyclusus orientalis* (~1230 nos.), *Prunus persica* (115 seeds), *Psychotria nervosa* (50 seeds), *Rauvolfia serpentina* (~200 seeds), *Rauvolfia tetraphylla* (~130 seeds) and *Zanthoxylum armatum* (~150 seeds)

SEED COLLECTION: 7 SPECIES :

Delonix regia (106 nos.), *Garcinia morella* (23 nos.), *Gmelina arborea* (110 nos.), *Elaeocarpus floribundus* (496 nos.), *Mucuna macrocarpa* (65 nos.), *Sterculia hamiltonii* (102 nos.) and *Terminalia chebula* (320 nos.)



NEW SECTION ESTABLISHMENT: *Impatiens* L. SECTION (9 SPECIES)

Impatiens arguta Hk.f. & Thomson *Impatiens jurpia* Buch.-Ham. ex Hook.f. & Thomson *Impatiens porrecta* Wall. Ex Hook.f. & Thomson *Impatiens pulchra* Hook.f. & Thomson *Impatiens benthamii* Steenis *Impatiens acuminata* Benth. ex Hook.f. & Thomson, *Impatiens chinensis* L., *Impatiens angustiflora* Hk.f., and *Impatiens tripetala* Roxb. & DC.,



Impatiens sashinborthakuri



Impatiens arguta



Impatiens jurpia



Impatiens benthamii



Impatiens pulchra



ORCHID PROPAGATION : 134 NOS (11 SPECIES)

Arundina graminifolia (10 nos.), *Bulbophyllum odoratissimum* (28 nos.), *Coelogyne ovalis* (8 nos.), *Coelogyne viscosa* (12 nos.), *Dendrobium fimbriatum* (20 nos.), *Dendrobium longicornu* (3 nos.), *Liparis viridiflora* (10 nos.) *Oberoniam ucronata* (5 nos.), *Papilionanthe teres* (6 nos.), *Pholidota articulata* (22 nos.) and *Pholidota imbricata* (10 nos.).



NEW PLANT IDENTIFICATIONS IN GARDEN : 4 SPECIES

Aglaonema hookerianum Schott, *Alangium chinense* (Lour.) Harms, *Chonemorpha fragrans* (Moon) Alston and *Ixora pseudoacuminata* Deb & Rout.



PLANTATION

PLANTATION OF SEEDLINGS/SAPPLINGS: 27 SPECIES :

Artocarpus lakoocha (1 no.), *Castanopsis indica* (1 no.), *Cephalotaxus griffithii* (5 nos.), *Cycas revoluta* (5 nos.), *Gnetum gnemon* (5 nos.), *Magnolia champaca* (5 nos.) and *Podocarpus neriifolius* (5 nos.)

Cycas revoluta (2 nos.), *Hedychium rubrum* (2 nos.) and *Ledebouria sp.* (8 nos.)



SEEDLINGS DISTRIBUTED

Distribution of 1557 numbers of seedlings/saplings to different organisations, groups and individuals for plantation purpose during this period.



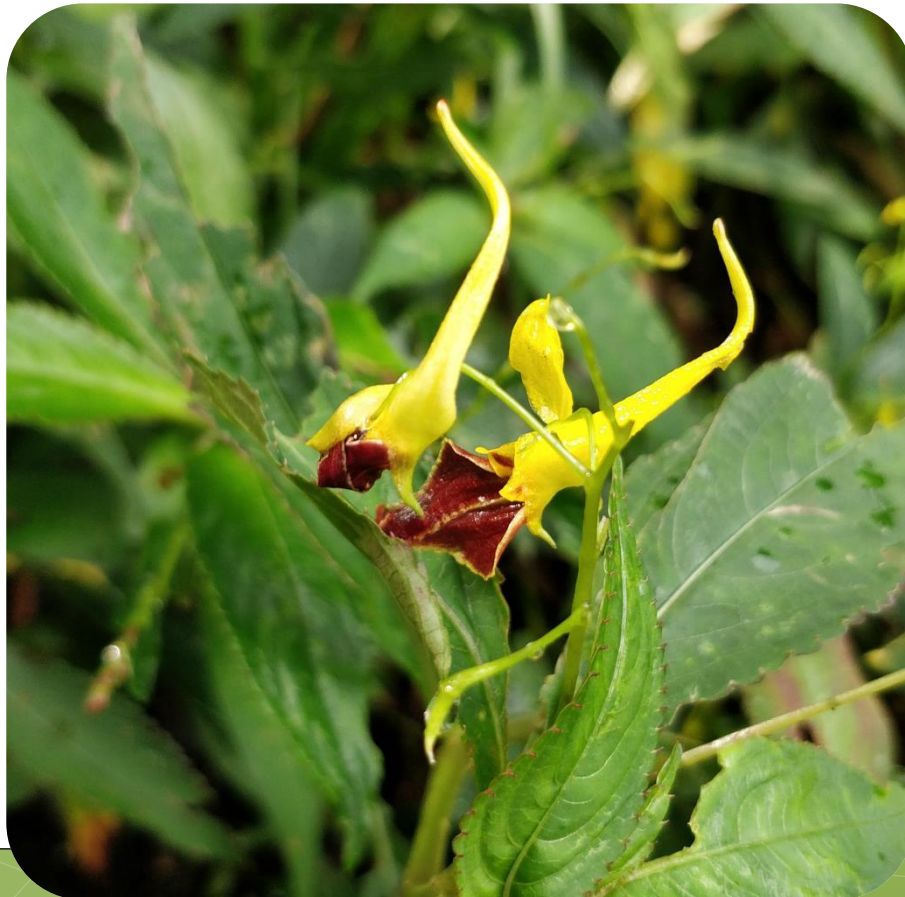
PROGRAMME PARTICIPATION

Collaborative Community Development Programme conducted with SOS-CVI, Umiam on 11th September 2020 at Mawbsein Village, Ri-bhoi, Meghalaya.



RESEARCH PUBLICATION

RAJIB GOGOI^{1*}, NORBU SHERPA¹, **B. B. T. THAM²**, CHAYA DEORI² AND S.R. TALUKDAR² 2020 Recollection of *Impatiens angustiflora* (Balsaminaceae) and notes on its lectotypification Nelumbo Vol 62 (2): (154-160) (2020)



A photograph of a lush green lawn with a garden bed and a fence in the background. The scene is framed by a green border with a white bar at the top and a grey bar at the bottom. The text "THANK YOU" is overlaid on the lawn in a white, stylized font.

THANK YOU