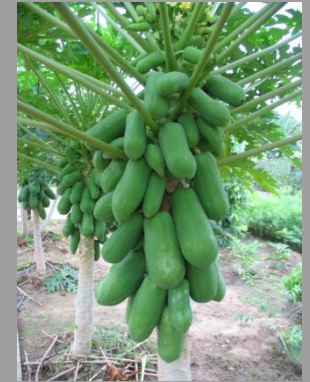




TVRC

Diversity and Potential of Indigenous





Multi-purposes of Indigenous Vegetable Garden of 3 rai (0.5 ha) was set up at Tropical Vegetable Research Center, Kamphaeng Sean Campus, Kasetsart University in corporation with a JIRCUS-funded project to promote utilization of IVs to the public for ex situ conservation and as a source for scientific studies. This garden is also a site for characterization, regeneration and seed multiplication. The garden was laid out in several plots including climbing plants, herbaceous plants, aquatic plants, tree and shrub etc.

Climbing Plants

Scientific name	Family name	Common name / Vernacular name*
<i>Vernonia elliptica</i> DC.	Asteraceae	Tan mon
<i>Myriopteron extensum</i> (Wight) K. Schum	Asclepiadaceae	Cha em
<i>Tiliacora triandra</i> (Colebr.) Diels	Menispermaceae	Thao yanang
<i>Basella alba</i> L.	Basellaceae	Ceylon Spinach / Phak plang
<i>Aganosma marginata</i> (Roxb.) G. Don	Apocynaceae	Mok khrua
<i>Aganonerion polymorphum</i> ex Spire	Apocynaceae	Som lom
<i>Momordica cochinchinensis</i> (Lour.) Spreng	Cucurbitaceae	Fak khao
<i>Jasminum funale</i> Decne. spp. <i>sootepense</i>	Oleaceae	Saeo
<i>Gymnema inodorum</i> (Lour.) Decne	Asclepiadaceae	Phak Chiang da
<i>Telosma minor</i> Craib	Asclepiadaceae	Cowslip Creeper / Salit
<i>Dregea volubilis</i> (L. f.) Benth. ex Hook. f.	Asclepiadaceae	Kra thung ma ba
<i>Passiflora edulis</i> Sims	Passifloraceae	Passion fruit, Yellow granadilla / Sao warot
<i>Clitoria ternatea</i> L.	Fabaceae-Papilionoideae	Blue pea, Butterfly pea / Anchan
<i>Psophocarpus tetragonolobus</i> (L.) DC.	Fabaceae-Papilionoideae	Winged bean / Thua phu
<i>Adenia viridiflora</i> Craib	Passifloraceae	I nun
<i>Piper interruptum</i> Opiz	Piperaceae	Sakhan
<i>Coccinia grandis</i> (L.) Voigt	Cucurbitaceae	Ivy gourd, Scarlet Fruited gourd / Phak tamlueng
<i>Pedilanthus tithymaloides</i> (L.) Poit	Euphorbiaceae	Yang
<i>Styrax benzoides</i> Craib	Styracaceae	Kam yan
<i>Tiliacora triandra</i> (Colebr.) Diels	Menispermaceae	Yanang deang
<i>Momordica charantia</i> L.	Cucurbitaceae	Bitter gourd / Mara kee nok

Herbaceous Plants

Scientific name	Family name	Common name / Vernacular name*
<i>Amaranthus tricolor</i> L.	Amaranthaceae	Joseph's coat, Amaranth / Phak khom
<i>Cleome gynandra</i> L.	Cleomaceae	Wild spider flower / Phak sian
<i>Ocimum gratissimum</i> L.	Labiatae	Shrubby basil / Yira
<i>Ocimum basilicum</i> L.	Labiatae	Sweet basil / Horapha
<i>Ocimum tenuiflorum</i> L.	Labiatae	Holy basil, Sacred basil / Ka phrao
<i>Ocimum americanum</i> L.	Labiatae	Hoary basil / Maeng lak
<i>Emilia sonchifolia</i> (L.) DC.	Asteraceae	Cupid' s shaving-brush / Hang pla chon
<i>Peperomia pellucida</i> Korth.	Piperaceae	Pellucid-leaved pepper / Phak kra sang
<i>Plectranthus amboinicus</i> (Lour.) Spreng	Labiatae	Indian borage / Niam hu suea
<i>Acmella oleracea</i> (L.) R.K. Jansen	Asteraceae	cress / Phak khrat
<i>Houttuynia cordata</i> Thunb.	Saururaceae	Phak khao tong / Phak khao tong
<i>Eryngium foetidum</i> L.	Apiaceae	Eryngo / Phak chi farang
<i>Hymenodictyon orixense</i> (Roxb.) Mabb.	Rubiaceae	Som kop
<i>Ipomoea batatas</i> (L.) Lam	Convolvulaceae	Sweet potato / Man thet
<i>Mentha piperita</i> L.	Labiatae	Peppermint

Climbing and Herbaceous

Ivy gourd

Coccinia grandis (L.) Voigt

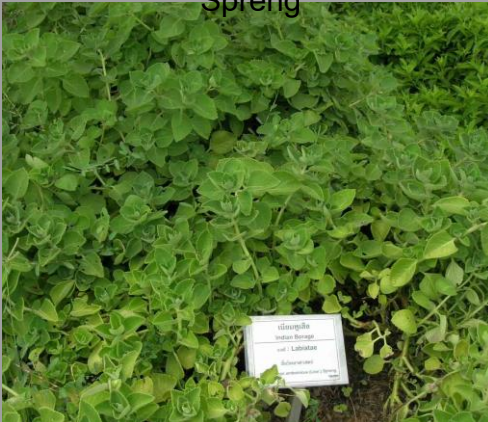


Indian

borage

Plectranthus amboinicus (Lour.)

Spreng



Plants

Amaranthus

Amaranthus tricolor L.



Hoary basil

Ocimum americanum

L.



Climbing Plants

Yanang daeng

Tiliacora triandra (Colebr.) Diels



Kra thung ma ba

Dregea volubilis (L. f.) Benth. ex Hook. f.



Phak Chiang Da

Gymnema inodorum (Lour.) Decne



Tan Mon

Vernonia elliptica DC.



Herbaceous Rhizomatous Plants

Scientific name	Family name	Common name / Vernacular name*
<i>Curcuma sessilis</i> Gage	Zingiberaceae	Kra chio deang
<i>Alpinia galanga</i> (L.) Willd.	Zingiberaceae	Chinese ginger, Galanga / Kha
<i>Zingiber montanum</i> (Koenig) Link ex Dietr.	Zingiberaceae	Phlai
<i>Kaempferia</i> spp.	Zingiberaceae	Pro
<i>Zingiber officinale</i> Roscoe	Zingiberaceae	Ginger / Khing
<i>Alpinia conchigera</i> Griff.	Zingiberaceae	Kha ling
<i>Curcuma longa</i> L.	Zingiberaceae	Turmeric / Khamin
<i>Amomum testaceum</i> Ridl.	Zingiberaceae	cardamon / Krawan
<i>Amorphophallus</i> spp.	Araceae	Buk
<i>Colocasia gigantea</i> Hook. f.	Araceae	Khun

Herbaceous Rhizomatous Plants

Chinese ginger

Alpinia galanga (L.) Willd.



Ginger

Zingiber officinale Roscoe



Turmeric

Curcuma longa L.



Kha Ling

Alpinia conchigera Griff.



Kra chio daeng

Curcuma sessilis

Gage



Khun

Colocasia gigantea Hook. f.



Aquatic plants

Scientific name	Family name	Common name / Vernacular name*
<i>Centella asiatica</i> (L.) Urban	Apiaceae	Asiatic Pennywort / Bua bok
<i>Mentha cordifolia</i> Opiz	Lamiaceae	Kitchen Mint / Saranae
<i>Rorippa dubia</i> (Persoon) Hara	Cruciferae	Watercress / Phakkat nam
<i>Limnocharis flava</i> (L.) Buchenau	Limnocharitaceae	Velvetleaf / Talapat ruesi
<i>Oenanthe javanica</i> (Blume) DC.	Apiaceae	Water dropwort / Phak chi lom
<i>Limnophila aromatica</i> Merr.	Scrophulariaceae	Rice paddy herb / Phak kha yaeng
<i>Lobelia begonifolia</i> Wall.	Campanulaceae	Phak luem phua
<i>Hydrocotyle umbellata</i> L.	Apiaceae	Water pennywort / Waen kao
<i>Lasia spinosa</i> (L.) Thwaites	Araceae	Phak nam
<i>Diplazium esculentum</i> (Retz.) Sw.	Athyriaceae	Paco / Phak kut nam
<i>Polygonum odoratum</i> Lour.	Polygonaceae	Phak phai, Phak paew
<i>Marsilea crenata</i> C.Presl	Marsileaceae	Water clover / Phak waen
<i>Eleocharis tuberosa</i> Roxb.	Cyperaceae	Water chesnut / Hao

Aquatic Plants



Polygonum odoratum Lour.

(Phak paew)



Hydrocotyle umbellata L.

(Water pennywort)



Limnocharis flava (L.) Buchenau

(Velvetleaf)



Rorippa dubia (Persoon) Hara

(Watercress)

Tree

Scientific name	Family name	Common name / Vernacular name*
<i>Phyllanthus acidus</i> (L.) Skeels	Euphorbiaceae	Star gooseberry / Mayom
<i>Solanum wrightii</i> Benth.	Solanaceae	Ma khuea yak
<i>Crateva magna</i> (Lour.) DC.	Capparaceae	Three Leafed Caper / Kum nam
<i>Crateva adansonii</i> DC. ssp. <i>trifoliata</i> (Roxb.) Jacobs	Capparaceae	Kum bok
<i>Sesbania grandiflora</i> (L.) Poir.	Fabaceae-Papilionoideae	Vegetable Humming bird / Khae
<i>Garcinia cowa</i> Roxb. ex DC.	Clusiaceae	Cha muang
<i>Dillenia indica</i> L.	Dilleniaceae	Ma tat
<i>Cratoxylum formosum</i> (Jack) Dyer	Clusiaceae	Tio som



Ma tat

Dillenia indica L.



Tio som

Cratoxylum formosum (Jack) Dyer



Ma Khuea Yak

Solanum wrightii Benth.



Star gooseberry

Phyllanthus acidus (L.)



Shrub

Scientific name	Family name	Common name / Vernacular name*
<i>Solanum trilobatum</i> L.	Solanaceae	Ma waeng khrua
<i>Solanum melongena</i> L.	Solanaceae	Ma khuea khuen
<i>Solanum torvum</i> Sw.	Solanaceae	Ma khuea phuang
<i>Solanum stramonifolium</i> Jacq.	Solanaceae	Ma uek
<i>Solanum sanitwongsei</i> Craib	Solanaceae	Ma waeng ton
<i>Sauropus androgynus</i> (L.) Merr.	Euphorbiaceae	Phak wan ban
<i>Plumbago zeylanica</i> L.	Plumbaginaceae	Chetta mun phloeng khao
<i>Acacia pennata</i> Willd. ssp. <i>insuavis</i> Nielsen	Fabaceae-Mimosoideae	Cha om
<i>Acacia concinna</i> (Willd.) DC.	Fabaceae-Mimosoideae	Som poi
<i>Eleutherococcus trifolius</i> (L.) S.Y.Hu	Araliaceae	Phak paem
<i>Clinacanthus nutans</i> (Burm.f.) Lindau	Acanthaceae	Phaya yo
<i>Costus speciosus</i> (Koen.) Sm.	Costaceae	Crape ginger, Spiral flag / Ueang mai na
<i>Artemisia lactiflora</i> Wall. ex DC.	Asteraceae	Sage brush / Kao mueang chin
<i>Gynura divaricata</i> (L.) DC. subsp. <i>divaricata</i> (Gagnep.) F.G. Davies	Apiaceae	Pe tum pueng
<i>Lycium chinense</i> Mill.	Solanaceae	chinese boxthron / Kao ki

* = Thai name

Tree and Shrub

Crape ginger

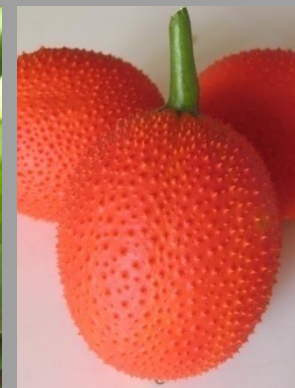
Costus speciosus (Koen.)





256 Crops

Thai Indigenous Conservation At



Moon Flower

Ipomoea alba L.

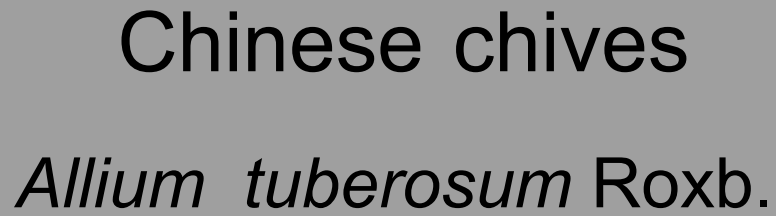


Edible part : Flower bud

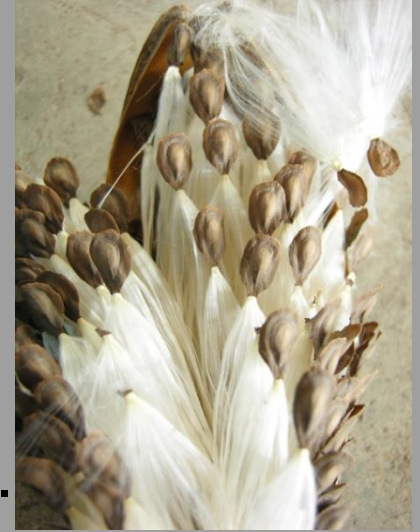
Medicinal properties:

Laxative

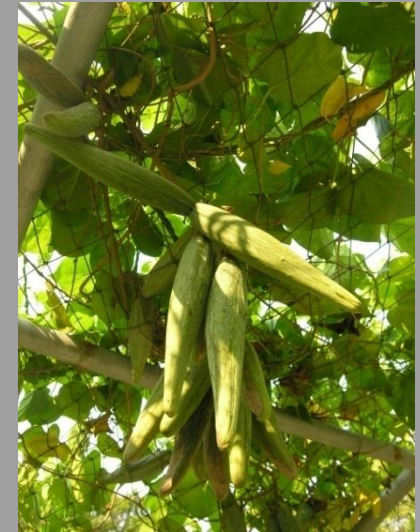




Medicinal properties: Pectin help to clear fecal residues
and clear the fungus in the gut



Telosma minor Craib .



Edible part :

Flowers and young pods

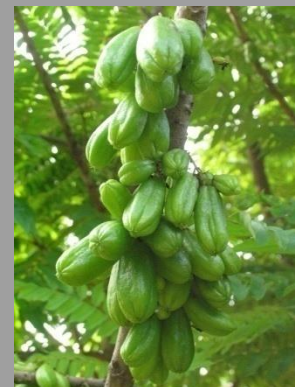
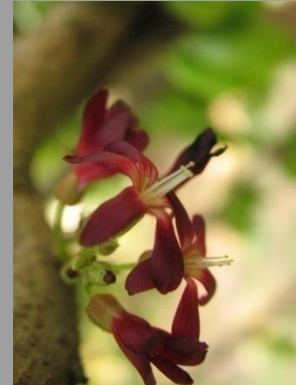
Medicinal properties:

Nourish the lung and liver



Cucumber Tree

Averrhoa bilimbi Linn.



Edible part :

Fruits

Medicinal properties:

High Vitamin C

Enhances hormone estrogen.

Leech lime

Citrus hystrix DC.



Edible part :

Leaves and fruit skin

Medicinal properties:

Leaves Control stomach gas

Use dandruff shampoo

solution



Asiatic Pennywort

Centella asiatica Urban.

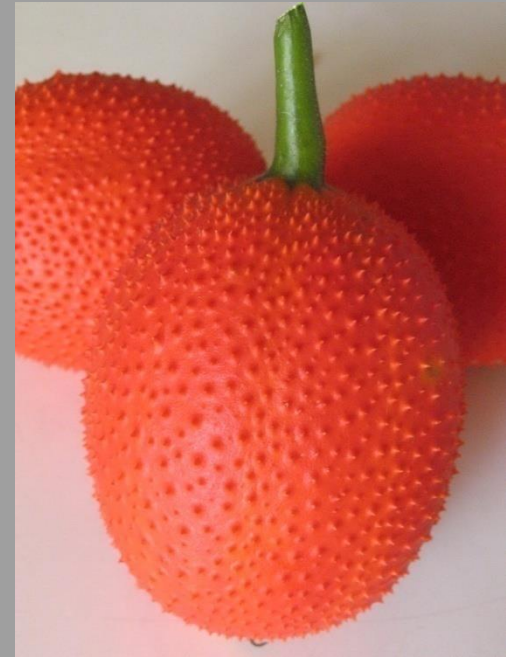
Edible Part : Leaves

Medicinal properties:

- Nourish the brain
- Relieve bruising
- Helps build muscle and skin wound healing

Spring Bitter Cucumber

Momordica cochinchinensis Spreng



Edible part : Young shoots, young fruits and mature fruits

Medicinal properties: -High Beta-carotene (anti-oxidant)

-High Lycopene Slow down aging

-Reduce the risk of cancer



Horse Radish Tree

Moringa oleifera Lamk.



Edible part :

Leaves, flowers, pods and seeds

Medicinal properties:

High Vitamin A, Vitamin C, Calcium, Protein,
Potassium, Vitamin B1 B2 B3

Horse Radish Tree Food



Lemon grass

Cymbopogon citratus (DC.) Stapf

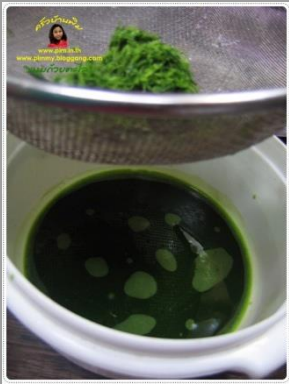


Edible part : Leaves and stem

Medicinal properties: Sweating, blood pressure control, diuretics.

Pandan Leaves

Pandanus amaryllifolius Roxb.



Edible part :

Leaves, Food coloring, Aromatic

Medicinal properties: Nourish the heart,

Diuretic





Sauropus

Sauropus androgynus (L.) Merr.



Edible part :

Young shoot

Medicinal properties:

Antipyretic,



"ผักหวานบ้านบ้านหนอง"

By .. @ - Enya - @ // ๑.๑. ๕๕



Passion Fruit

Passiflora incarnata



Edible part :

Mature fruit

Medicinal properties:

High Vitamin A and Carotene

- Eye Care





Tamarind

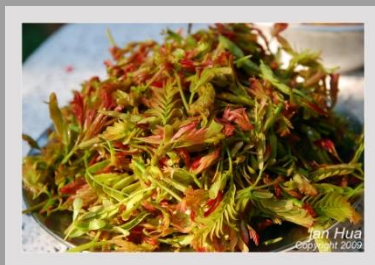
Tamarindus indica



Edible part : Young shoot

Medicinal properties: High Vitamin C and Carotene

- Eye Care





Roselle

Hibiscus sabdariffa Linn.



Edible part :

Young shoot and Sepal

Medicinal properties:

High Anthocyanin

- Relieve cough

-Anti-oxidant



Joint-whip Ginger

Alpinia conchigera Griff.



Edible part : Young leaf, mature leaf and rhizome

Medicinal properties: Restore the nervous system

- Paresis
- Narcotize (Sleep Well)
- Venereal disease cure





Wildbatal Leafbush

Piper sarmentosum Roxb.



Edible part :

Young leaf

Medicinal properties:

-Expectorate (catch a

col



-Oxalate deposition

(Kidney stones)



***Saccharum officinarum* Linn.**

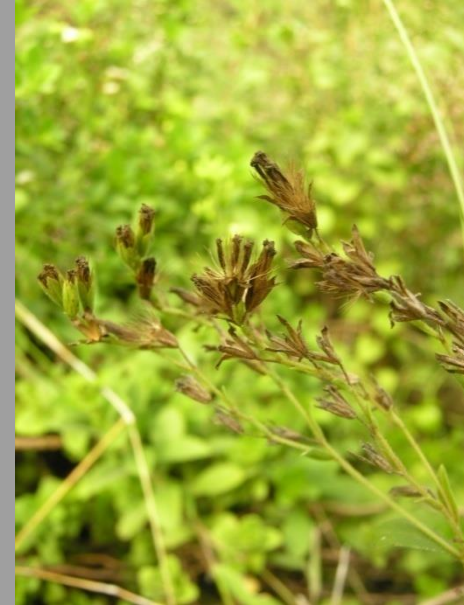


Edible part : Stems

Medicinal properties: Control Hypertension, Cholesterol,
Lowering blood sugar

Stevia rebaudiana

Portulaca



Edible part :

Leaves

Medicinal properties:
sweeter

-Provide up to 200-300 times
than sugar.

-Nourish the Pancreas

Saccharum officinarum Linn.

+ Pandanus Leaves

Herb Tea



Thank You

