



A picture guide of forest trees in Cambodia III ~Kratie~

រូបភាពឈើសំបុត្រ អំពីឈើព្រៃនៅកម្ពុជា



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20 February 2015

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Preface

We are delighted to the publication of the picture guide of forest trees in Cambodia volume 3. This volume focuses on Deciduous Dipterocarp Forest (DDF) which is widely distributed at lowland throughout Cambodia, in Kratie.

To enrich our knowledge of the flora of Kratie, botanical inventories were conducted in the Permanent Sample Plots (PSPs) and the community forest (CF) in Kratie province (12° 43' N, 106° 04'E, alt. 43–48 m) in 4 & 9 June 2011 and 13–14 October 2012. Totally, we collected 118 specimens from our survey, and identified 88 species of 45 trees, 16 shrubs, 15 vines, 9 herbs, 1 palm, 1 cycad and 1 fern in 74 genera in 38 families. Voucher specimens were deposited in the herbarium of Forest Administration of Cambodia and the Museum of Kyushu University (FU).

All of them are not rare but common species in Cambodia, thus, in addition to the previous volumes 1 and 2 for flora of Kampong Chhnang and Kampong Thom, respectively (Toyama *et al.* 2012, 2013), we hope this guide will be great helpful and useful for many people who are interested in Cambodian plants.

These three books including this volume are freely available in the following webpages;

- (1) Toyama H., S. Tagane, T. Kajisa, P. Chhang, R. Ichihashi and T. Yahara. 2012. A picture guide of forest trees in Cambodia I ~Kampong Chhnang~
http://ffish.asia/pdfs/PictureGuide_KgChhnang.pdf
- (2) Toyama H., S. Tagane, T. Kajisa, P. Chhang and T. Yahara. 2013. A picture guide of forest trees in Cambodia II ~Kampong Thom~
http://ffish.asia/pdfs/PictureGuide_KgThom.pdf
- (3) Tagane S, K. Fuse, H. Toyama, P. Chhang, T. Kajisa and T. Yahara. 2015. A picture guide of forest trees in Cambodia III ~Kratie~
http://ffish.asia/pdfs/PictureGuide_Kratie.pdf

20 February 2015
Shuichiro Tagane

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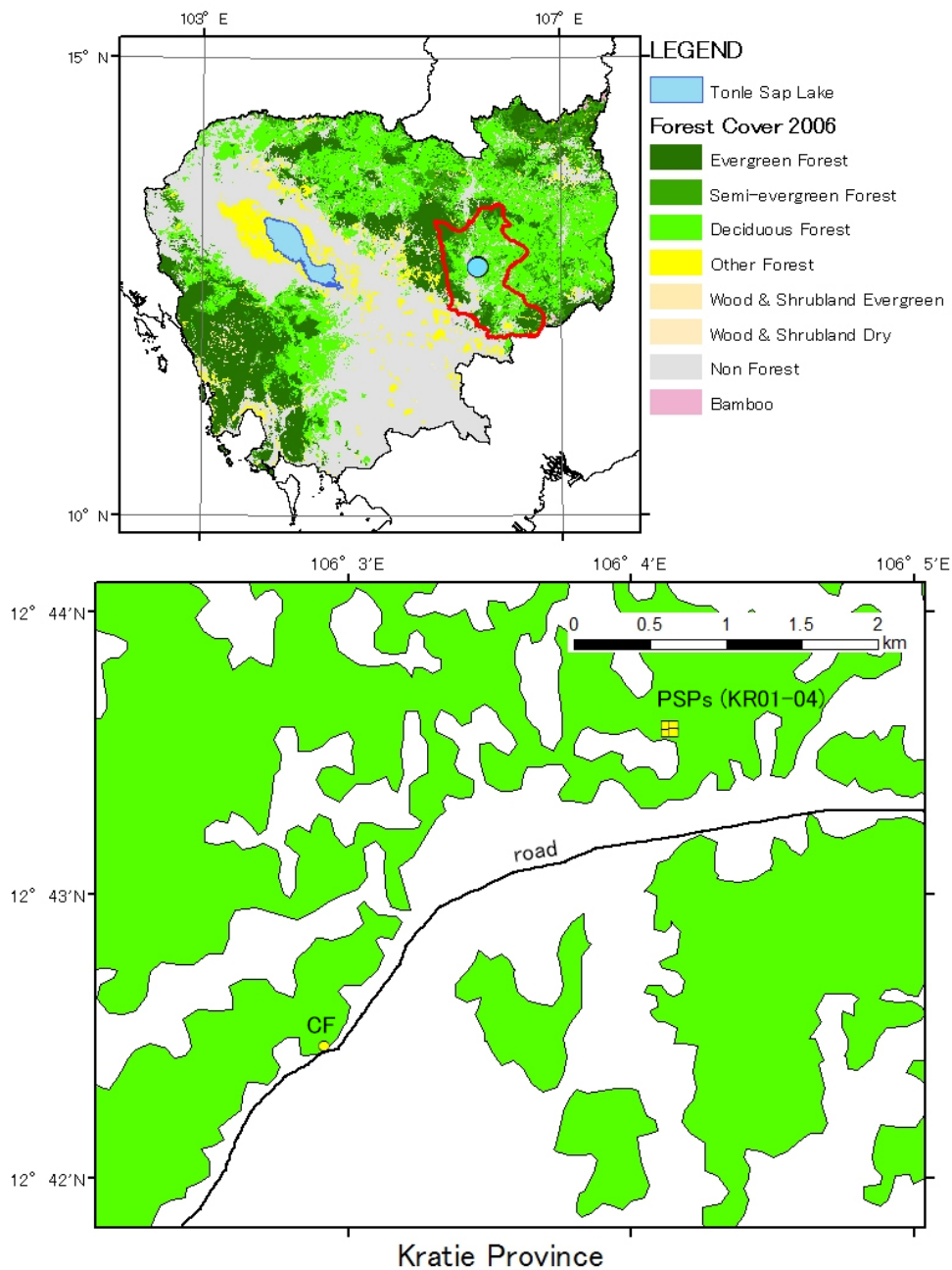
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Acronyms

PSPs: Permanent Sample Plots

CF: Community Forest

Map



Acanthaceae *Thunbergia fragrans* Roxb.

Kmer name: វល្លិ៍ត្នោតស [Vor Tnot Sor]



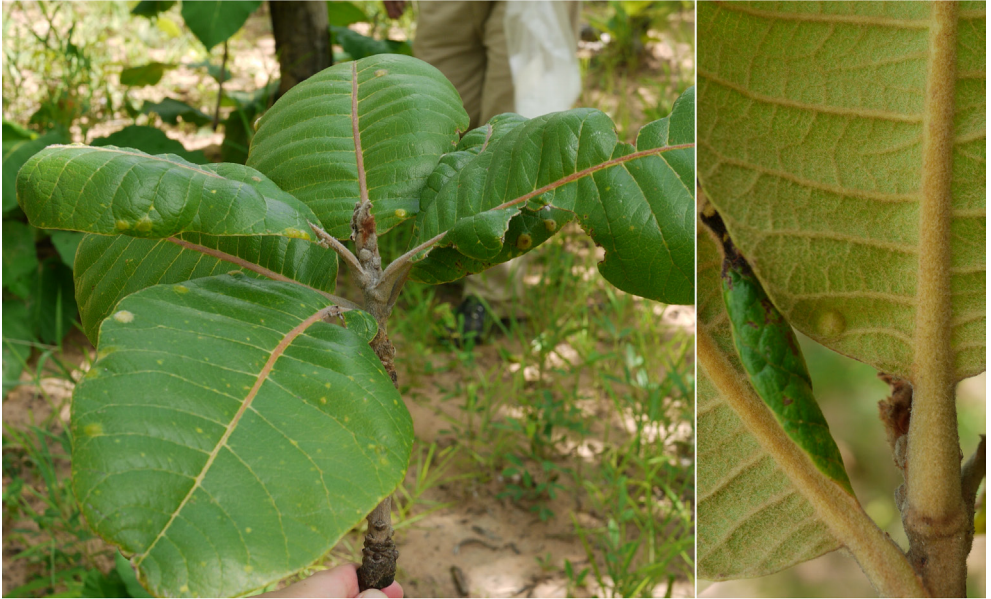
Distribution: Cambodia, China, India, Indonesia, Laos, Philippines,
Sri Lanka, Thailand, Vietnam.

Observation: Small climber, not rare in the PSPs.

Specimen No. 4172

Anacardiaceae *Buchanania lanzan* Spreng.

Kmer name: កន្ទួតព្រាង [Kantual Prong]



Distribution: Cambodia, China, Laos, Myanmar, Thailand, Vietnam.

Observation: Small tree, 10 m tall and the 5th dominant tree in the PSPs.

Lower surface of leaves are densely villous.

Specimen No. 1140, 1148, 1149, 1151, 1389

Anacardiaceae *Buchanania siamensis* Miq.

Kmer name: លាំងជ័យ [Laing Chey]



Distribution: Cambodia, Laos, Thailand, Vietnam.
Observation: Small tree rarely found in the PSPs.
Specimen No. 1385

Anacardiaceae *Lannea coromandelica* (Houtt.) Merr.

Kmer name: មនស្សី [Morn Sva]



Distribution: Bhutan, Cambodia, China, India, Indonesia, Laos, Malaysia, Myanmar, Nepal, Sri Lanka, Thailand, Vietnam.

Observation: Small tree, found in the CF.

Specimen No. 4167

Anacardiaceae *Spondias pinnata* (L.f.) Kurz

Kmer name: ព័ន្ធ [Paun]



Distribution: Cambodia, China, India, Indonesia, Malaysia, Philippines, Sri Lanka, Thailand, Vietnam.

Observation: Small tree, deciduous, common in the dry deciduous forest at lowland.

Specimen No. 4166

Annonaceae *Ellipeiopsis cherrevensis* (Pierre ex Finet & Gagnep.) R.E.Fr.

Kmer name: ត្រេលតាច [Treal Tauch]



Distribution: Cambodia, Thailand, Vietnam.

Observation: Shrub, 1–4 m tall, occasionally found in the CF.

Specimen No. 4181

Annonaceae *Miliusa velutina* Hook.f. & Thomson

Kmer name: ស្មាក្របី [Sma Krobei]



Distribution: Cambodia, China, India, Laos, Malaysia, Myanmar, Pakistan, Thailand, Vietnam.

Observation: Small tree, 10 m tall, occasionally found around the PSPs.

Specimen No. 1381

Annonaceae *Polyalthia cerasoides* (Roxb.) Bedd.

Kmer name: ក្រាយ [Kray]



Distribution: Cambodia, China, India, Laos, Myanmar, Thailand, Vietnam.
Observation: Shrub, 5 m tall, only one individual found at outside of the
PSPs.
Specimen No. 1377

Annonaceae *Xylopia pierrei* Hance

Kmer name: ក្រាយស័រ [Kray Sor]



Distribution: Cambodia, Thailand, Vietnam.

Observation: Tree, common in the PSPs, the vicinity of PSPs and the CF.

Photos were taken in Kampong Thom.

Specimen No. 1412

Apocynaceae *Aganonerion polymorphum* Pierre

Kmer name: វ្លិច្ចង [Vor Thnoeung]



Distribution: Cambodia, Laos, Thailand, Vietnam.

Observation: Woody vine occasionally found in the vicinity of the PSPs.

Specimen No. 1181

Apocynaceae *Amphineurion marginatum* (Roxb.) D.J.Middleton

Kmer name: វល្លិក្រឡាំពែ [Vor Krolampe]



Distribution: Bangladesh, Cambodia, China, India, Indonesia, Laos, Malaysia, Myanmar, Nepal, Philippines, Thailand, Vietnam.

Observation: Vine, rare in the PSPs, but common in the thickets and roadside.

Specimen No. 1387

Apocynaceae *Holarrhena curtisii* King & Gamble

Kmer name: ទឹកដោះដ្ឋា [Teukdoas khla]



Distribution: Cambodia, Laos, Malaysia, Thailand, Vietnam.

Observation: Shrub, up to 1 m tall, occasionally found in and around the PSPs.

Specimen No. 1188, 4218

Apocynaceae *Streptocaulon juvenas* (Lour.) Merr.

Kmer name: វ័ល្លិជ្ជយ [Vor Chuy]



Distribution: Cambodia, China, India, Laos, Myanmar, Thailand, Vietnam.
Observation: Climber, commonly found in the vicinity of the PSPs.
Specimen No. 4210

Arecaceae *Phoenix loureiroi* Kunth

Kmer name: ដូងព្រះ [Daung Preah]



Distribution: Bangladesh, Bhutan, Cambodia, India, Laos, Myanmar, Nepal, Pakistan, Philippines, Thailand, Vietnam.

Observation: Palm, having 1m tall trunk, occasionally found in and around PSPs.

Specimen No. 1178, 4213

Asteraceae *Acilepis squarrosa* D. Don

Kmer name: ស្មៅរុយ [Smao Ruy]



Distribution: Bhutan, Cambodia, China, India, Laos, Myanmar, Thailand, Vietnam.

Observation: Herb, 40 cm tall, locally common in ths PSPs. This species is easily recognized by its scabrous oblanceolate leaves and sessile flowers in the axils of the leaves.

Specimen No. 4194

Bignoniaceae *Stereospermum cylindricum* Pierre ex Dop

Kmer name: សង្កតត្នាត [Sangkuot Thmat]



Distribution: Cambodia, Thailand, Vietnam.

Observation: Tree 12 m tall, found in vicinity of the PSPs.

Specimen No. 1392, 4186

Bixaceae *Cochlospermum religiosum* (L.) Alston

Kmer name: កប្បាសភ្នំ [Kabas Phnom]



Distribution: Cambodia, India, Myanmar, Sri Lanka, Thailand, Vietnam.
Observation: Small deciduous tree, only one individual found in the CF.
Specimen No. 4169

Combretaceae *Terminalia alata* B.Heyne ex Roth

Kmer name: ឈើក [Chhlik]



Distribution: Cambodia, India, Laos, Myanmar, Nepal, Thailand, Vietnam.

Observation: Tree, 10 m tall, 2nd dominant tree in the PSPs. This species is distinct from other three *Terminalia* species by young leaves densely covered with hairs and larger fruits 3–6 cm width with 5 wings.

Specimen No. 1146, 1159, 1163, 1164, 1395

Combretaceae *Terminalia calamansanay* Rolfe

Kmer name: ដើមពពលខែ [Popeal Khe]



Distribution: Cambodia, Indonesia, Laos, Malaysia, Myanmar, Philippines, Thailand, Vietnam.

Observation: Tree, only one individual found in the CF. The fruits have 2 wings, but easily distinct from *T. corticosa* by its thinner and narrower leaves.

Specimen No. 4178

Combretaceae *Terminalia chebula* Retz.

Kmer name: សម្រ [Samor]



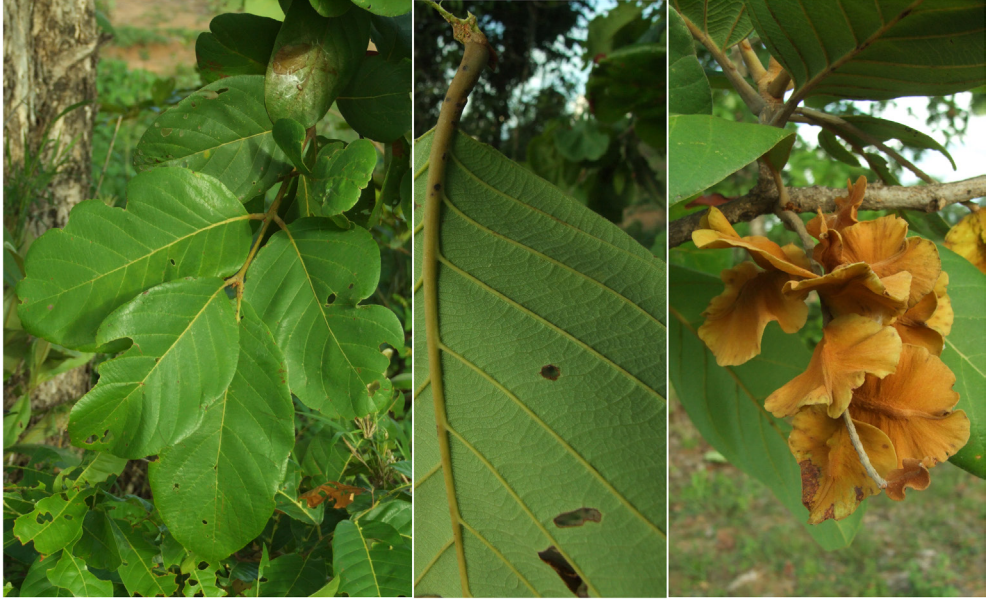
Distribution: Bangladesh, Bhutan, Cambodia, China, India, Laos, Malaysia (introduced), Myanmar, Nepal, Sri Lanka, Thailand, Vietnam.

Observation: Tree, 10 m tall, occasionally found in the plots. The fruits of this species do not have wings.

Specimen No. 1166, 1167

Combretaceae *Terminalia corticosa* Pierre ex Laness.

Kmer name: ប្រាំដំឡើង [Pramdamloeung]



Distribution: Cambodia, Laos, Myanmar, Thailand.

Observation: Relatively rare tree compared to other three *Terminalia* species. We found two individuals, one in the plot (KR01-tree no. 28) and another in the vicinity of the PSPs. This species is characterized by its 2-winged fruits.

Specimen No. 1374, 1398

Convolvulaceae *Argyreia mekongensis* Gagnep. & Courchet

Kmer name: វណ្ណៀកន្លងភ្នំ [Vor Kanlong Phnom]



Distribution: Cambodia, Laos, Thailand, Vietnam.

Observation: Woody climber, common in the PSPs. This species is easily distinguished from *A. osyrensis* by its elliptic to oblong leaves with obtuse base. Calyx and bracts are yellowish hispid and enclose berries.

Specimen No. 4198

Convolvulaceae *Argyreia osyrensis* Choisy

Kmer name: វល្លិក្រចៀកទន្សាយ [Vor Trocheak Tunsay]



Distribution: Cambodia, China, India, Indonesia, Laos, Malaysia, Myanmar, Sri Lanka, Thailand, Vietnam.

Observation: Woody climber, found in the vicinity of the PSPs.

Specimen No. 4215

Convolvulaceae *Merremia quinata* (R.Br.) Ooststr.

Kmer name: វល្លិឡើក [Vor Ta Euk]



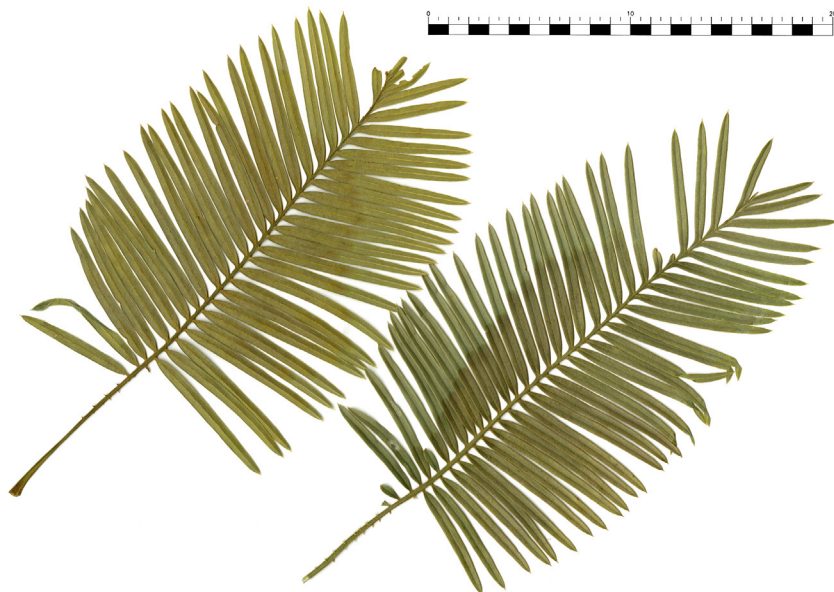
Distribution: Australia, Cambodia, China, Indonesia, Myanmar, New Guinea, Philippines, Thailand, Vietnam.

Observation: Perennial herbaceous twiner, found in the PSPs. This species is characteristic in palmately compound leaves with 5 leaflets and creamy yellow corolla.

Specimen No. 4196

Cycadaceae *Cycas siamensis* Miq.

Kmer name: ប្រង [Brong]



Distribution: Cambodia, Thailand, Vietnam.

Observation: This Cycas was occasionally found in the PSPs and seemed to be tolerant to fire.

Specimen No. 1172

Dilleniaceae *Dillenia hookeri* Pierre

Kmer name: ផ្កាបាត [Phlou Bat]



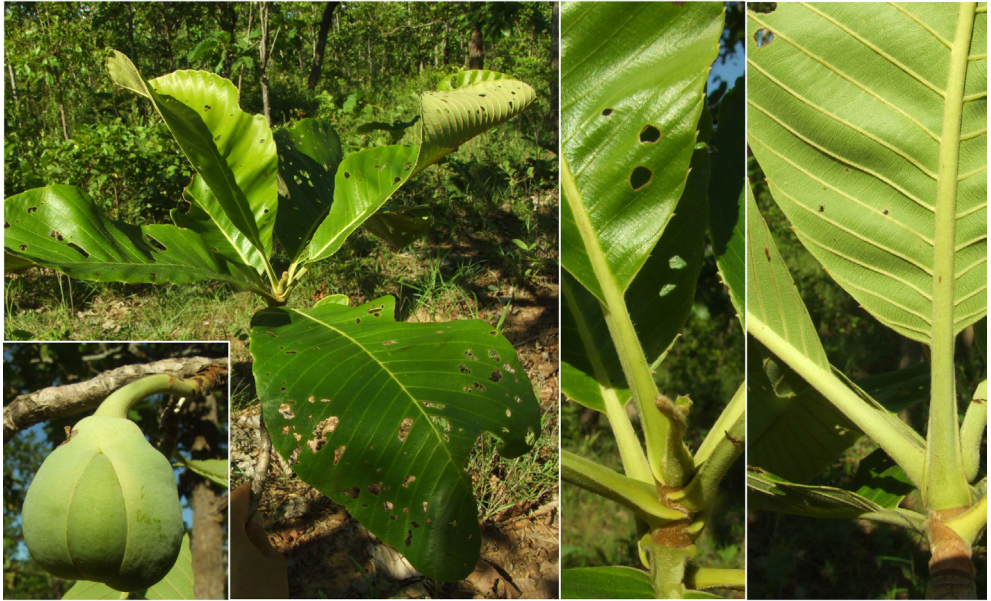
Distribution: Cambodia, Laos, Thailand, Vietnam.

Observation: Deciduous shrub, usually less than 1 m tall, and scattered around the PSPs.

Specimen No. 1186

Dilleniaceae *Dillenia obovata* (Blume) Hoogland

Kmer name: ភ្លើង [Phlou Thom]



Distribution: Cambodia, Indonesia, Laos, Malaysia, Myanmar, Thailand, Vietnam.

Observation: Deciduous tree, 10 m tall. We found only one individual in the vicinity of the PSPs.

Specimen No. 1396

Dioscoreaceae *Dioscorea brevipetiolata* Prain & Burkill

Kmer name: unknown



Distribution: Cambodia, Laos, Thailand, Vietnam.

Observation: This is a climber common in and around both the PSPs and the CF.

Specimen No. 4189

Dipterocarpaceae *Dipterocarpus intricatus* Dyer

Kmer name: ត្រាច [Trach]



Distribution: Cambodia, Laos, Thailand, Vietnam.

Observation: Deciduous tree. We found only one individuals at outside of the PSPs. Photos were taken in Kampong Thom.

Specimen No. 1372

Dipterocarpaceae *Dipterocarpus tuberculatus* Roxb.

Kmer name: ខ្លា [Khlóng]



Distribution: Cambodia, Laos, Myanmar, Thailand, Vietnam.

Observation: Deciduous tree and the most dominant species in the PSPs (53 % of the total number of trunk).

Specimen No. 1142, 1147

Dipterocarpaceae *Shorea obtusa* Wall. ex Blume

Kmer name: ផ្អែក [Phchek]



Distribution: Cambodia, Laos, Myanmar, Thailand, Vietnam.

Observation: Tree up to 12 m tall, and the second dominant species in the PSPs.

Specimen No. 1141, 1144, 1155, 1161

Dipterocarpaceae *Shorea siamensis* Miq.

Kmer name: រាំងភ្នំ [Raing Phnom]



Distribution: Cambodia, Laos, Malaysia, Myanmar, Thailand, Vietnam.
Observation: Deciduous tree up to 10 m tall, the 6th dominant species in the PSPs.

Specimen No. 1143, 1157, 1160

Droseraceae *Drosera indica* L.

Kmer name: ស្ពៅសន្លឹមដួច [Smao Sanseumduoch]



Distribution: Widely distributed from Africa, E and SE Asia to Australia.
Observation: Annual herb found in moist ground from the rainy season to the beginning of the dry season.
Specimen No. 4212

Euphorbiaceae *Thyrsanthera suborbicularis* Pierre ex Gagnep.

Kmer name: រង្វង់ព្រះអាទិត្យ [Rongvong Preah Atith]



Distribution: Cambodia, Thailand, Vietnam.

Observation: Small shrub, 20 cm tall, occasionally found in the PSPs and their vicinities.

Specimen No. 1176, 4179

Fabaceae *Bauhinia bracteata* (Benth.) Graham ex Baker

Kmer name: វល្លិ ខ្លែងពណ៌ [Vor Khlempor]



Distribution: Cambodia, Thailand, Vietnam.

Observation: Woody climber, found in the thickets beside the PSPs.

Specimen No. 4216

Fabaceae *Bauhinia malabarica* Roxb.

Kmer name: ជើងគោ [Cheungko]



Distribution: Cambodia, China, India, Indonesia, Laos, Myanmar, Nepal, Sri Lanka, Thailand, Vietnam.

Observation: Small tree, found in the CF.

Specimen No. 4170

Fabaceae *Butea monosperma* (Lam.) Taub.

Kmer name: ក្រវា [Char]



Distribution: Cambodia, China, India, Indonesia, Laos, Myanmar, Nepal, Sri Lanka, Thailand, Vietnam.

Observation: Deciduous tree, found beside the PSPs. Photos used here were taken in Khon Kaen, Thailand on 30 Jan. 2009.

Specimen No. 1390

Fabaceae *Cassia fistula* L.

Kmer name: រាជព្រឹក្ស [Reach Preuk]



Distribution: Cambodia, China (cultivated), Thailand, Vietnam.
Observation: Deciduous tree, found beside the PSPs.
Specimen No. 4217

Fabaceae *Clitoria hanceana* Hemsl.

Kmer name: កម្រិតគុំ [Kamreukkum]



Distribution: Cambodia, China, Laos, Thailand, Vietnam.
Observation: Climber, common in the vicinity of the PSPs.
Specimen No. 1175

Fabaceae *Dalbergia nigrescens* Kurz

Kmer name: ស្អែក [Snuol]



Distribution: Cambodia, India, Laos, Myanmar, Nepal, Thailand, Vietnam.
Observation: Deciduous tree, occasionally found in the vicinity of the PSPs.
Specimen No. 1139

Fabaceae *Dendrolobium lanceolatum* Schinedl.

Kmer name: ទ្រង់បង្កាយ [Tronum Bangkuoy]



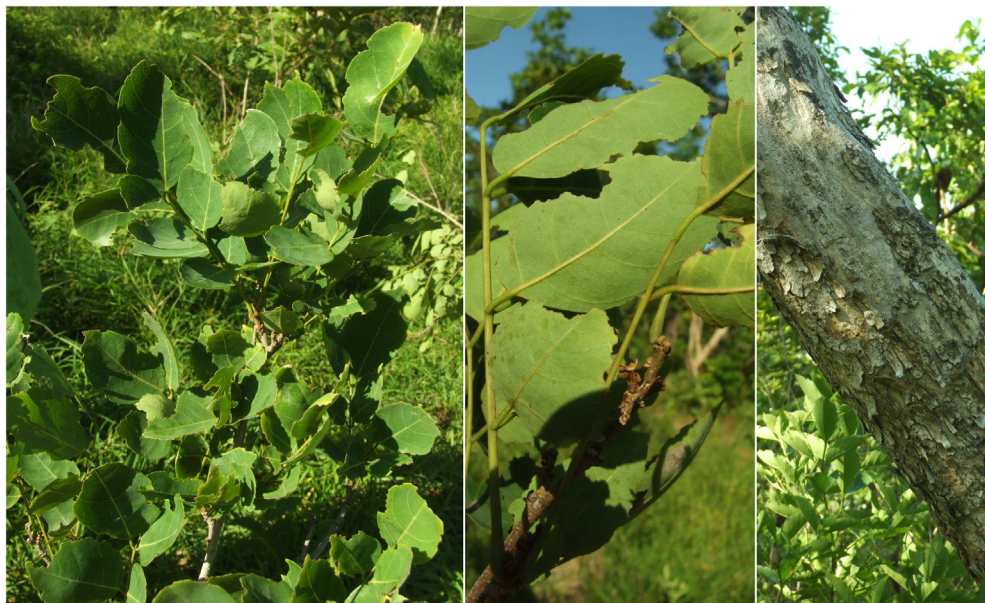
Distribution: Cambodia, China, Laos, Thailand, Vietnam.

Observation: Small shrub, 1–1.5 m tall, common in and around the PSPs.

Specimen No. 1171

Fabaceae *Millettia erythrocalyx* Gagnep.

Kmer name: ម្រេញ [Morrenh]



Distribution: Cambodia, Chian, Laos, Thailand, Vietnam.
Observation: Tree, occasionally found near the PSPs.
Specimen No. 1393

Fabaceae *Pterocarpus macrocarpus* Kurz

Kmer name: ផ្លាស់ [Thnong]



Distribution: Cambodia, India, Laos, Myanmar, Thailand, Vietnam.

Observation: Small tree, 10 m tall, we found one individual beside the PSPs.

Specimen No. 1391

Fabaceae *Spatholobus parviflorus* Kuntze

Kmer name: ដកដាវ [Dork Cav]



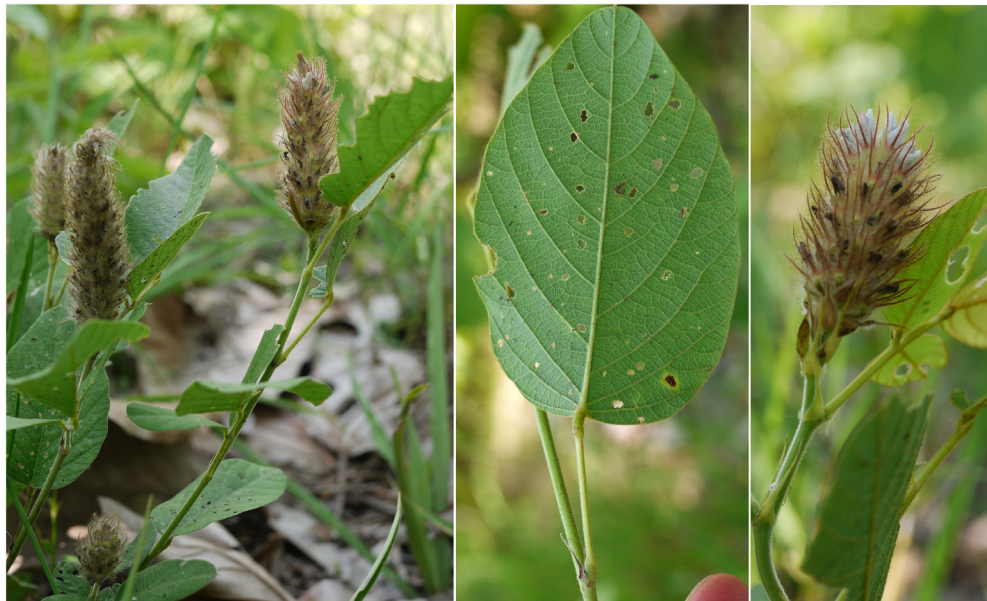
Distribution: Bangladesh, Bhutan, Cambodia, China, India, Indonesia, Laos, Myanmar, Nepal, Sri Lanka, Thailand, Vietnam.

Observation: Woody climber, occasionally found near the PSPs. This is a common and widely distributed species in dry dipterocarpus forest in SE Asia.

Specimen No. 1379

Fabaceae *Uraria lagopodioides* (L.) DC.

Kmer name: កន្ទុយកំប្រុក [Kantuy Kamprok]



Distribution: Australia, Bhutan, Cambodia, China, India, Indonesia, Japan, Laos, Malaysia, Myanmar, Nepal, Philippines, Thailand, Vietnam.

Observation: Herb, somewhat common in the PSPs.

Specimen No. 1183

Fabaceae *Vigna minima* (Roxb.) Ohwi & H. Ohashi var. *minima*

Kmer name: សណ្តែកខ្មោច [Sandek Khmoch]



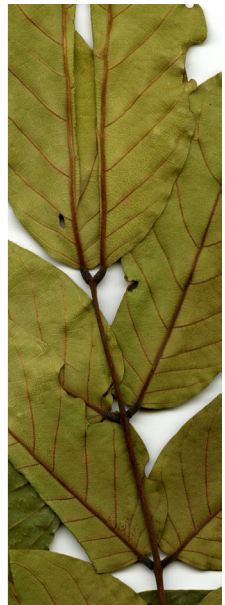
Distribution: Cambodia, China, India, Indonesia, Laos, Malaysia, Myanmar, New Guinea, Philippines, Thailand, Vietnam.

Observation: Climber, common in both the PSPs and the CF. This species is distinct from *V. dalzelliana* in having smaller stipules (1.5 mm vs. usually 3.0 mm long).

Specimen No. 4173, 4192

Fabaceae *Xylia xylocarpa* (Roxb.) W.Theob var. *kerrii* (Craib & Hutch.) I.C.Nielsen

Kmer name: សុក្រម [Sokrom]



Distribution: Bangladesh, Cambodia, India, Laos, Myanmar, Thailand, Vietnam.
Observation: Tree, 10 m tall, occasionally found in the PSPs. This species is common and widely distributed from the dry dipterocarpus forest to the mixed evergreen forest at lowland.

Specimen No. 1394

Hypericaceae *Cratoxylum formosum* (Jack) Benth. & Hook.f. ex Dyer

Kmer name: ល្បៀង [Lo Ngieng]

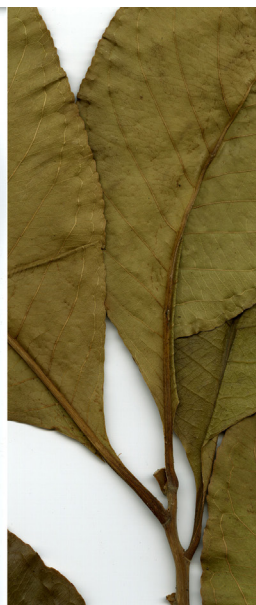


Distribution: Cambodia, China, Indonesia, Laos, Malaysia, Myanmar, Philippines, Thailand, Vietnam.

Observation: Deciduous tree, 6–8 m tall, occasionally found beside the PSPs.
Specimen No. 1378

Lecythydaceae *Careya arborea* Roxb.

Kmer name: កាយក្រៀម [Kandol]



Distribution: Afghanistan, Cambodia, India, Laos, Myanmar, Nepal, Pakistan, Sri Lanka, Thailand, Vietnam.

Observation: Deciduous tree, 6–10 m tall, occasionally found in the PSPs. This species is common and widely distributed in the dry dipterocarpus forest.

Specimen No. 1156, 1165

Leeaceae *Leea guineense* G.Don

Kmer name: ក្រណែន [Bay Kream]



Distribution: Africa, Bangladesh, Bhutan, Cambodia, China, India, Indonesia, Laos, Malaysia, Myanmar, Nepal, New Guinea, Philippines, Thailand, Vietnam.

Observation: Herb, 1 m tall, common in the PSPs and the CF.

Specimen No. 4180

Leeaceae *Leea thorelii* Gagnep.

Kmer name: បាយក្តាំង [Bay Kdaing]



Distribution: Cambodia, Laos, Thailand, Vietnam.

Observation: Herb, 60 cm tall, sparsely found in the CF.

Specimen No. 4219

Loganiaceae *Strychnos nux-blanda* A.W.Hill

Kmer name: ស្លេងប្រវៀក [Sleng Broviek]



Distribution: Cambodia, India, Laos, Myanmar, Thailand, Vietnam.
Observation: Small tree, 6 m tall, occasionally found in and around the PSPs.
Specimen No. 1169

Malpighiaceae *Hiptage* sp. [cf. *candicans* Hook.f.]

Kmer name: ក្របីបី [Krobei Bei]



Distribution: Cambodia, China, Laos, Myanmar, Thailand, Vietnam.

Observation: Scandent tree, 5 m tall, only one individual collected in the PSPs. This is considered to be *H. candicans* in its having leaves densely pubescent on lower surface. We need fertile materials for conclusive identification.

Specimen No. 1384

Malvaceae *Bombax anceps* Pierre

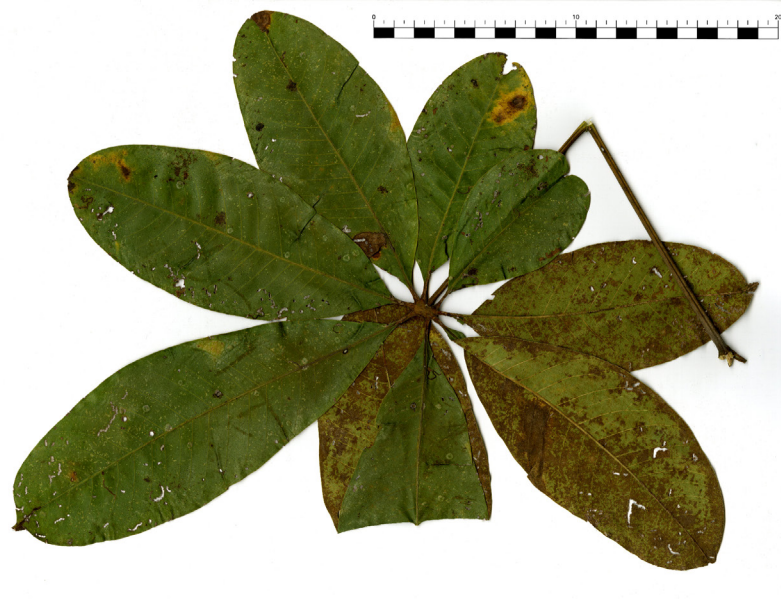
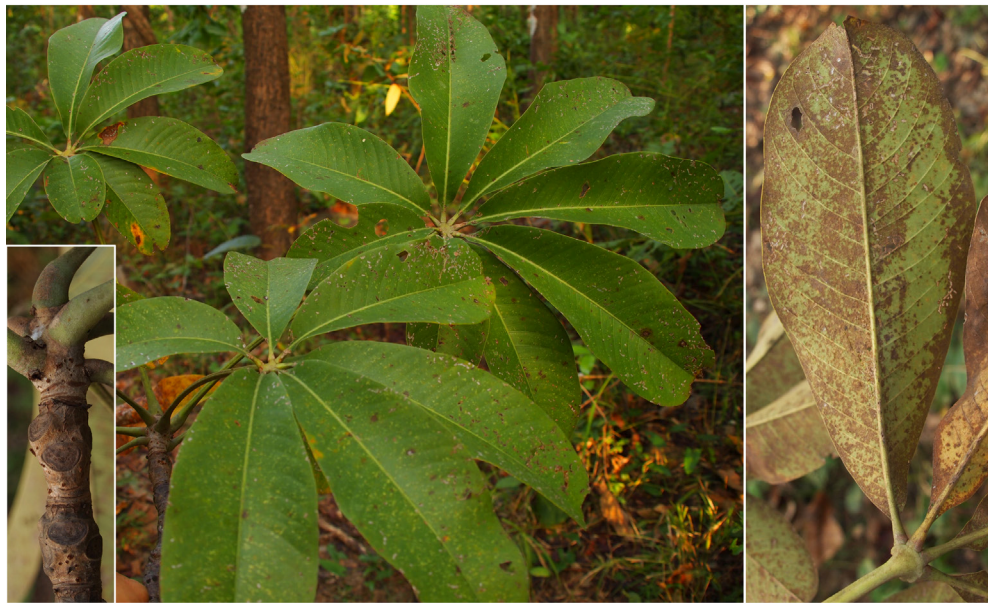
Kmer name: រត្ន [Roka]



Distribution: Cambodia, Laos, Myanmar, Thailand, Vietnam.
Observation: Tree, only one individual found in the CF.
Specimen No. 4221

Malvaceae *Bombax cambodiense* Pierre

Kmer name: រតន [Roka]



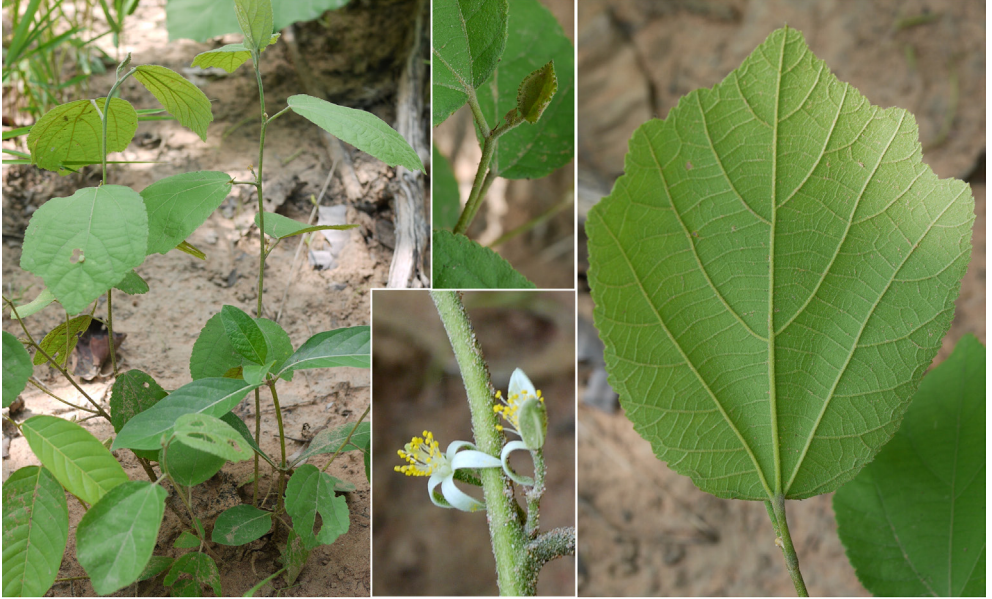
Distribution: Cambodia, China, Myanmar, Thailand.

Observation: Tree, only one individual found in the CF. This species is sometimes treated as a variety of *B. anceps*, but distinct in having larger leaves, tomentose lower surface, and more lateal veins.

Specimen No. 4184

Malvaceae *Grewia abutilifolia* Vent. ex Juss.

Kmer name: ពង្រាតូច [Pophlea Toch]



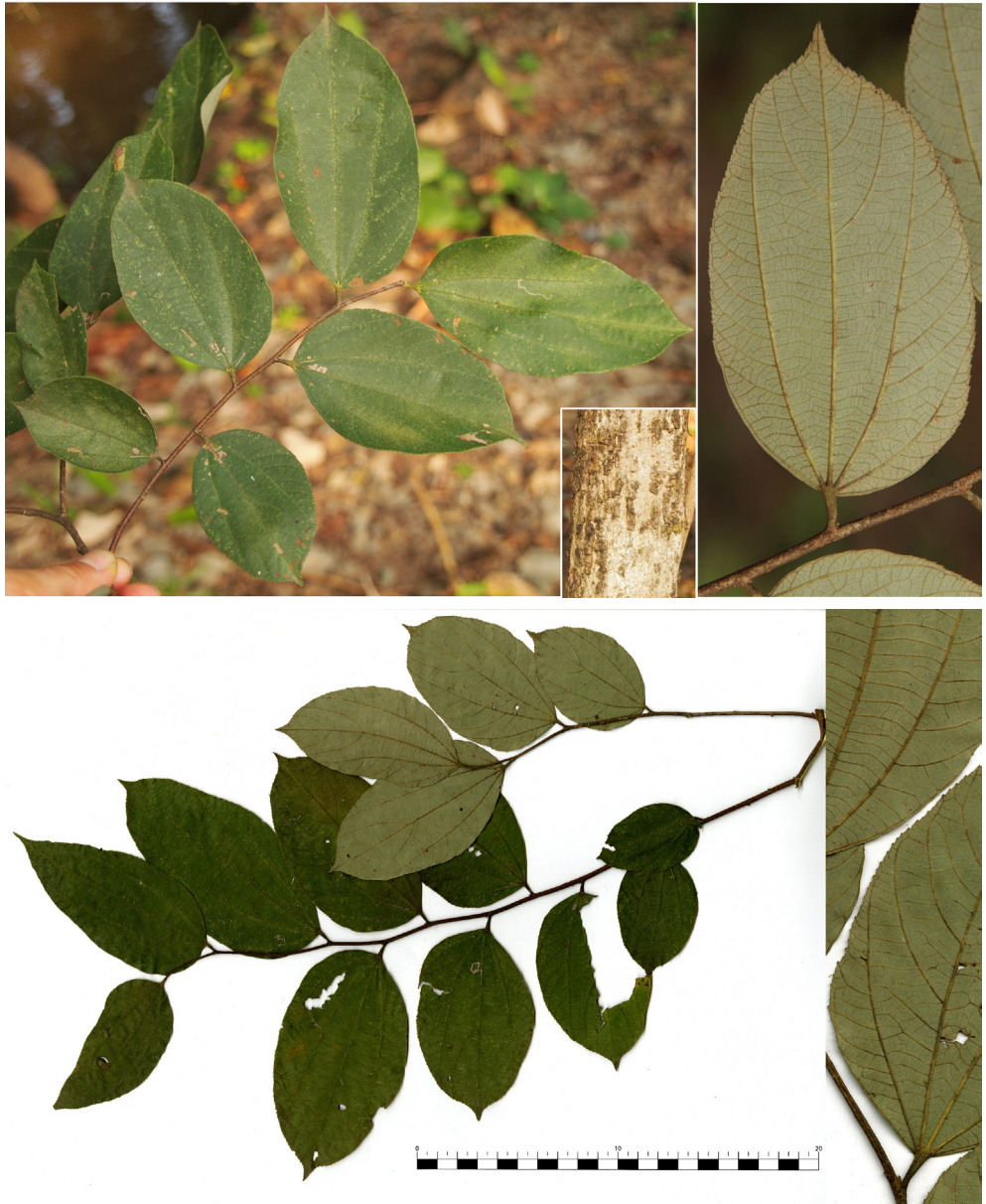
Distribution: Cambodia, China, India, Laos, Malaysia, Myanmar, Thailand, Vietnam.

Observation: Small shrub, occasionally found in the PSPs. Leaves are ovate to rounded and hairy on both surfaces.

Specimen No. 1177

Malvaceae *Grewia eriocarpa* Juss.

Kmer name: ព្រួញច័ស្ត្រ [Pophlea Achsat]



Distribution: Cambodia, China, India, Indonesia, Myanmar, Nepal, Philippines, Sri Lanka, Thailand, Vietnam.

Observation: Small tree, sparsely found in the CF. This species is characterized by its asymmetrical ovate leaves with glaucous lower surface.

Specimen No. 4185

Malvaceae *Grewia hirsuta* Vahl

Kmer name: បាយក្រៀម [Bay Kream Chhlmol]



Distribution: Bangladesh, Cambodia, India, Laos, Malaysia, Myanmar, Nepal, Sri Lanka, Thailand, Vietnam.

Observation: Small shrub, sparsely found in the CF. This species has oblong to lanceolate leaves covered by dense hairs beneath.

Specimen No. 4174

Malvaceae *Helicteres angustifolia* L.

Kmer name: សំបុកជាស [Sambok Cheas]



Distribution: Australia, Cambodia, China, India, Indonesia, Laos, Malaysia, Myanmar, Philippines, Thailand, Vietnam.

Observation: Small shrub, 1–2 m tall, common in dry dipterocarpus stands. We collected this species in a similar habitat in Kampong Thom.

Specimen No. 1174

Malvaceae *Hibiscus glanduliferus* Craib

Kmer name: បើសព្រៃ [Beus Prey]



Distribution: Cambodia, Laos, Thailand.

Observation: Small shrub, occasionally found in the vicinity of the CF.

Specimen No. 4208

Malvaceae *Waltheria indica* L.

Kmer name: កន្ទាំងបាយស ឈ្មោល [Kantaingbayso Chhmol]



Distribution: Native to neotropics

Observation: Erect subshrub, 0.8 m tall, locally abundant in the vicinity of the CF. This species is characterized by densely puberulent branchlets and leaves.

Specimen No. 4209

Melastomataceae *Osbeckia chinensis* L.

Kmer name: បាយញ្ជ្រាត [Baaynhenh Bat]



Distribution: Australia, Cambodia, China, India, Indonesia, Japan, Laos, Malaysia, Myanmar, Nepal, Philippines, Thailand, Vietnam.
Observation: Erect to small shrub, 30 cm tall. Flowers are 2.5 cm in diam. with 4 pale purple petals.
Specimen No. 4211

Meliaceae *Azadirachta indica* A.Juss.

Kmer name: ស្ពៅ [Sdao]



Distribution: Cambodia, India, Indonesia, Laos, Myanmar, Sri Lanka, Thailand, Vietnam.

Observation: Tree, 10 m tall, one individual collected in the vicinity of the CF. This species is widely distributed in dry areas and is used for foods and traditional medicine for pest and disease control.

Specimen No. 4182

Meliaceae *Chukrasia tabularis* A.Juss.

Kmer name: វល្លិយោង [Vor Yaung]



Distribution: Bhutan, Cambodia, China, India, Indonesia, Laos, Malaysia, Nepal, Sri Lanka, Thailand, Vietnam.

Observation: Tree, widely found in dry to mix evergreen forest in SE Asia.
We collected a sapling in the CF.

Specimen No. 4177

Moraceae *Ficus rumphii* Blume

Kmer name: ត្រៃ [Chrey]



Distribution: Bangladesh, Bhutan, Cambodia, India, Indonesia, Laos, Malaysia, Myanmar, Nepal, Thailand, Vietnam.

Observation: Strangler to tree. We found this species at the margin of the PSPs.

Specimen No. 1373

Myrtaceae *Syzygium fruticosum* DC.

Kmer name: ព្រីងក្រហម [Pring Kroham]



Distribution: Australia, Bhutan, Cambodia, China, India, Indonesia, Laos, Malaysia, Nepal, Sri Lanka, Thailand, Vietnam.

Observation: Tree, occasionally found in the PSPs.

Specimen No. 1185

Olacaceae *Olax scandens* Roxb.

Kmer name: អៀត [Orphtuok]



Distribution: Cambodia, India, Indonesia, Malaysia, Myanmar, Sri Lanka, Thailand, Vietnam.

Observation: Woody vine, occasionally found in the vicinity of the PSPs.

Specimen No. 1376

Orobanchaceae *Centranthera cochinchinensis* (Lour.) Merr.

Kmer name: unknown



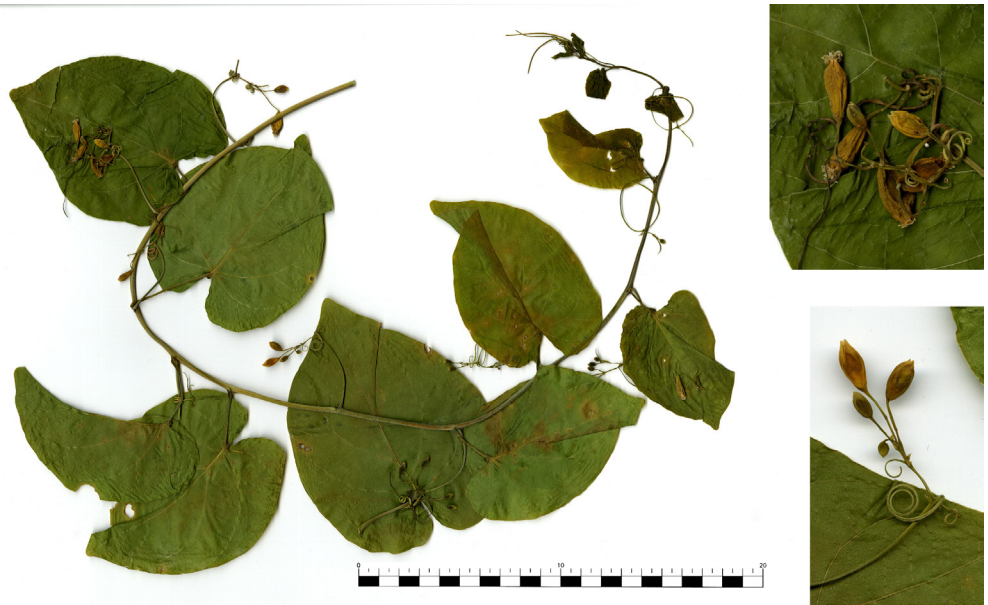
Distribution: Cambodia, China, India, Indonesia, Japan, Korea, Laos, Malaysia, Myanmar, Nepal, Philippines, Sri Lanka, Thailand, Vietnam; N Australia, Oceania.

Observation: Herb, erect, 20 cm tall, found on the moist ground in open deciduous forest.

Specimen No. 4195

Passifloraceae *Adenia viridiflora* Craib

Kmer name: វណ្ណៀត្រណាវ [Vor Kronav]



Distribution: Cambodia, Laos, Thailand, Vietnam.

Observation: Climber, only one individual was found in the outside of the PSPs. Leaves have 2 glands at base.

Specimen No. 1375

Phyllanthaceae *Aporosa villosa* Baill.

Kmer name: គ្រុង [Krung]



Distribution: Cambodia, China, India, Laos, Myanmar, Thailand, Vietnam.
Observation: Small tree, 5 m tall, commonly found in the dry dipterocarpus and dry evergreen forest in SE Asia.
Specimen No. 1153, 1154, 1150, 1386

Phyllanthaceae *Bridelia harmandii* Gagnep.

Kmer name: unknown



Distribution: Cambodia, Laos, Thailand, Vietnam.

Observation: Shrub, 1 m tall. We found only one individual in the PSPs. Leaf blade is broadly ovate to elliptic and densely tomentose.

Specimen No. 1184

Phyllanthaceae *Bridelia retusa* A.Juss.

Kmer name: ឈើកពក [Chhlik Pork]



Distribution: Cambodia, China, India, Indonesia, Indonesia (Sumatra),
Malaysia (Peninsula), Myanmar, Sri Lanka, Thailand, Vietnam.
Observation: Tree, occasionally found beside the PSPs.
Specimen No. 4183

Rhmanaceae *Ziziphus rugosa* Lam.

Kmer name: ព្រីនា [Putrea]



Distribution: Cambodia, Laos, Thailand, Vietnam.

Observation: Small tree, 4 m tall, occasionally found in the CF.

Specimen No. 4220

Rubiaceae *Catunaregam tomentosa* (Blume ex DC.) Tirveng.

Kmer name: ល្បើង [Lovieng]



Distribution: Cambodia, Laos, Thailand, Vietnam.

Observation: Small tree, 2–4 m tall, occasionally found in the PSPs. This species is commonly found in the dry dipterocarp forest in Indo-China.

Specimen No. 1383

Rubiaceae *Gardenia obtusifolia* Roxb.

Kmer name: បាកដង្កង [Bakdornng]



Distribution: Cambodia, Thailand, Vietnam.

Observation: Small tree, 2–4 m tall, occasionally found in the PSPs.

Specimen No. 1380, 1388

Rubiaceae *Haldina cordifolia* (Roxb.) Ridsdale

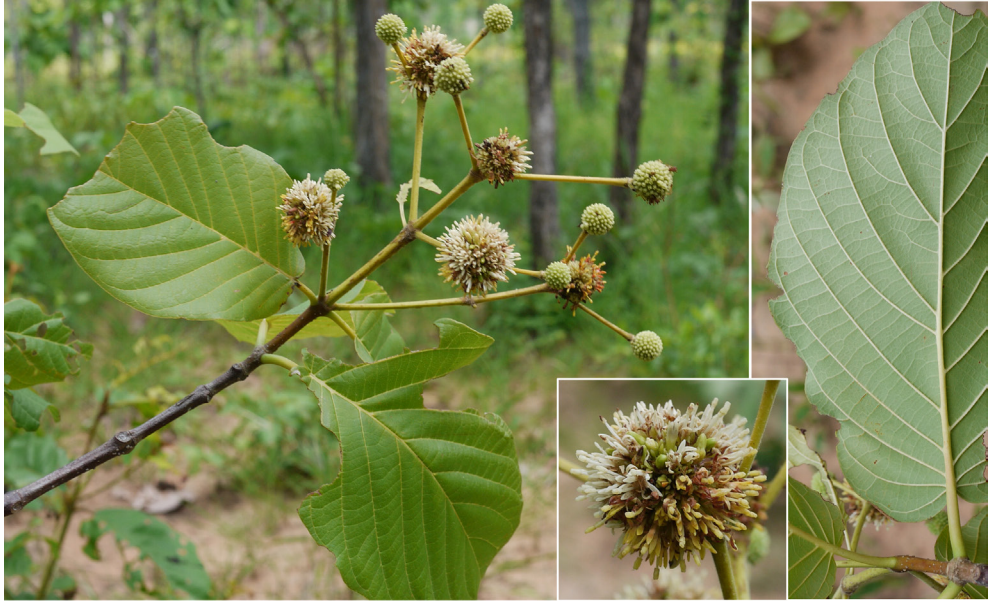
Kmer name: ឡាវ [Khvav]



Distribution: Cambodia, China, India, Nepal, Sri Lanka, Thailand, Vietnam.
Observation: Tree, 8 m tall, sparsely found in the CF.
Specimen No. 4168

Rubiaceae *Mitragyna diversifolia* Havil.

Kmer name: គ្រប់ [Khtum]



Distribution: Cambodia, China, Indonesia, Laos, Philippines, Malaysia, Myanmar, Thailand, Vietnam.

Observation: Small tree, 6 m tall, found in the vicinity of the PSPs.

Specimen No. 1170

Rubiaceae *Mitragyna hirsuta* Havil.

Kmer name: ត្បូង [Khtum]



Distribution: Cambodia, China, Laos, Myanmar, Thailand, Vietnam.
Observation: Small tree, 6 m tall, sparsely found in the CF.
Specimen No. 1162

Rubiaceae *Morinda coreia* Buch.-Ham.

Kmer name: ព្រីប្រេ [Nhor Prey]



Distribution: Cambodia, China, Laos, Myanmar, Thailand, Vietnam.
Observation: Small deciduous tree, 6 m tall, sparsely found in the CF.
Specimen No. 1398

Rubiaceae *Neonauclea sessilifolia* Merr.

Kmer name: រ៉លាយ [Roleay]



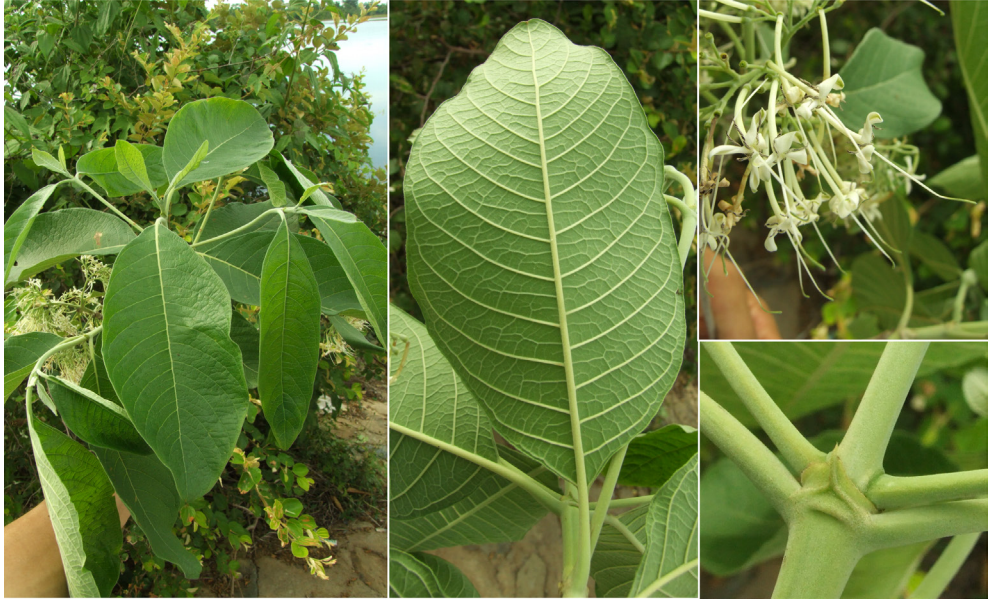
Distribution: Cambodia, China, India, Laos, Myanmar, Thailand, Vietnam.

Observation: Small tree, 6 m tall, sparsely found in the CF. Our material has elliptic leaves with rounded leaf base and subsessile to shortly petiolate, while typical one has suborbicular leaves with cordate leaf base and (sub)sessile.

Specimen No. 4222

Rubiaceae *Pavetta tomentosa* Roxb. ex Sm.

Kmer name: ពុកមាត់ឆ្មាធំ [Pukmoatchhma Thom]



Distribution: Cambodia, China, India, Malaysia, Myanmar, Nepal, Pakistan, Thailand, Vietnam.

Observation: Small tree, 1.5–4 m tall, scattered in the vicinity of PSPs and the CF. This species is characterized by tomentose branches, petioles and leaf blades.

Specimen No. 1127, 4187

Rubiaceae *Tamilnadia uliginosa* (Retz.) Tirveng. & Sastre

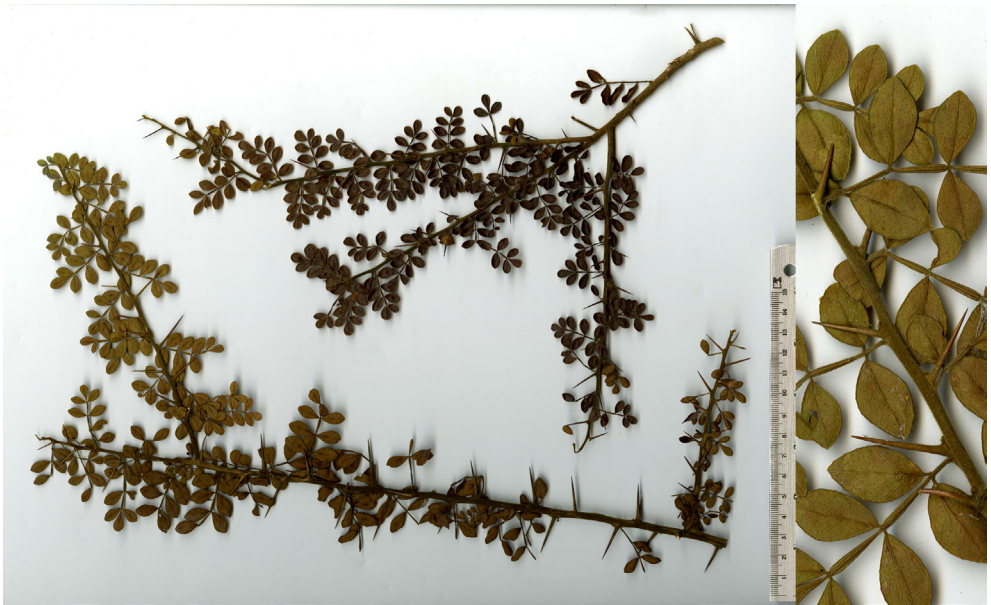
Kmer name: គ្រាំពុក [Kram Puk]



Distribution: Cambodia, India, Laos, Thailand, Vietnam.
Observation: Small tree, sparsely found in the PSPs.
Specimen No. 1179, 1397

Rutaceae *Citrus lucida* (Scheff.) Mabb.

Kmer name: ក្រសាំង [Krosaing]



Distribution: Cambodia, Laos, Thailand, Vietnam.

Observation: Bushy shrub, 1 m tall, found at the thickets beside the PSPs.

Specimen No. 4214

Schizaeaceae *Lygodium circinatum* Sw.

Kmer name: វល្លិឌីឡា [Vor Ovlo]



Distribution: Cambodia, China, India, Indonesia, Laos, Philippines,
Sri Lanka, Thailand, Vietnam.

Observation: Climber, scattered in the PSPs and its vicinities.

Specimen No. 1187

Smilacaceae *Smilax verticalis* Gagnep.

Kmer name: វល្លិប្រើស [Vor Popreus]



Distribution: Cambodia, Laos, Thailand, Vietnam.

Observation: Scandent vine, commonly found in the PSPs and the CF. This species is characterized by erect shoots with flowers at 10 cm height above the ground.

Specimen No. 1173, 1382, 4171

Vitaceae *Cissus evrardii* Gagnep.

Kmer name: វ្លឹក់ក្រោវ [Vor Kambor]



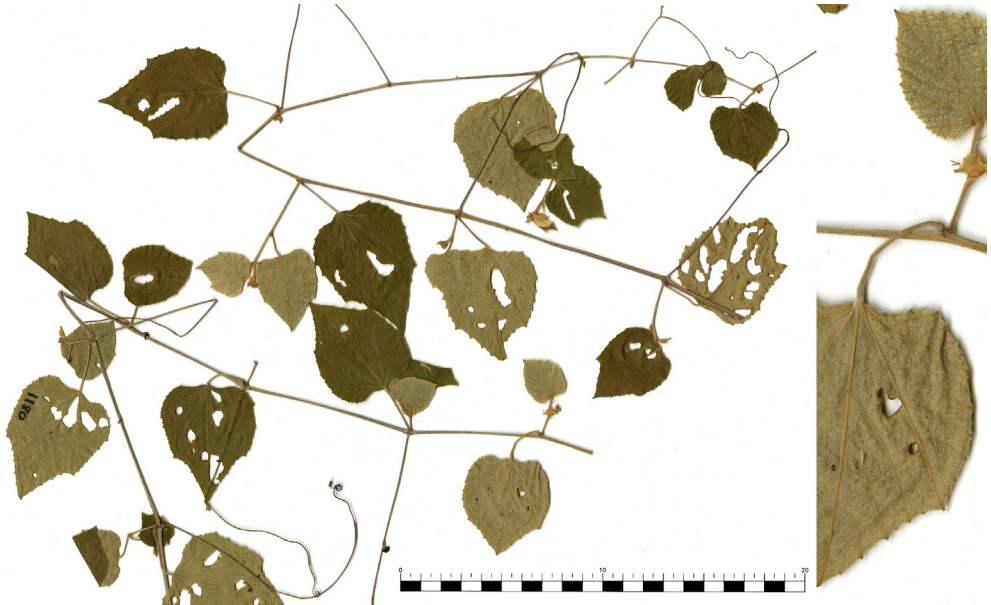
Distribution: Cambodia, Vietnam.

Observation: Vine, found in the PSPs. This species has leaf shape and size similar to *Vitis heyneana*, but is easily distinct in its glabrous lower surface of leaves.

Specimen No. 1182

Vitaceae *Vitis heyneana* Roem. & Schult.

Kmer name: វល្លិទំពាំងបាយជូរព្រៃ [Vor Tumpaingbaochu Prey]



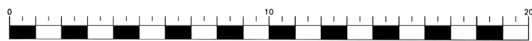
Distribution: Cambodia, China, Vietnam.

Observation: Woody vine, found in the PSPs. This species is characterized by the leaves with lower surface densely brown tomentose.

Specimen No. 1180

Zingiberaceae *Curcuma singularis* Gagnep.

Kmer name: ចារហ្វូយ [Charhuoy]



Distribution: Cambodia, Laos, Thailand.

Observation: Herb, occasionally found in the PSPs. Inflorescences, ca. 10 cm tall, appeared near the ground in June. Leaves do not expand in a flowering season.

Specimen No. 1158

Field Photos



PSPs KR01-04 (9 June 2011)



PSPs KR01-04 (14 October 2012)



Community forest (13 October 2012)



Community forest (13 October 2012)



Community forest (13 October 2012)



Thickets along roadside on the way to the PSPs (14 October 2012)



dried Paddy field on the way to the PSPs (4 June 2011)



Asking local Kmer names near the PSPs (4 June 2011)



A



B



D



E



C

- A. Taking Photos
- B. Local villager
- C. Collecting samples
- D. Mountain bronzeback
(*Dendrelaphis subocularis*)
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A picture guide of forest trees in Cambodia III ~Kratie~

រូបភាពឈើក្នុងព្រៃនៅក្រចេះ

- 88 species of 38 families and 74 genera
- Scientific name and local name
- Photos and specimes images
- Distribution and observation note for each species
- Specimen No. in Kyushu University (Japan) and Forestry Administration (Cambodia)

