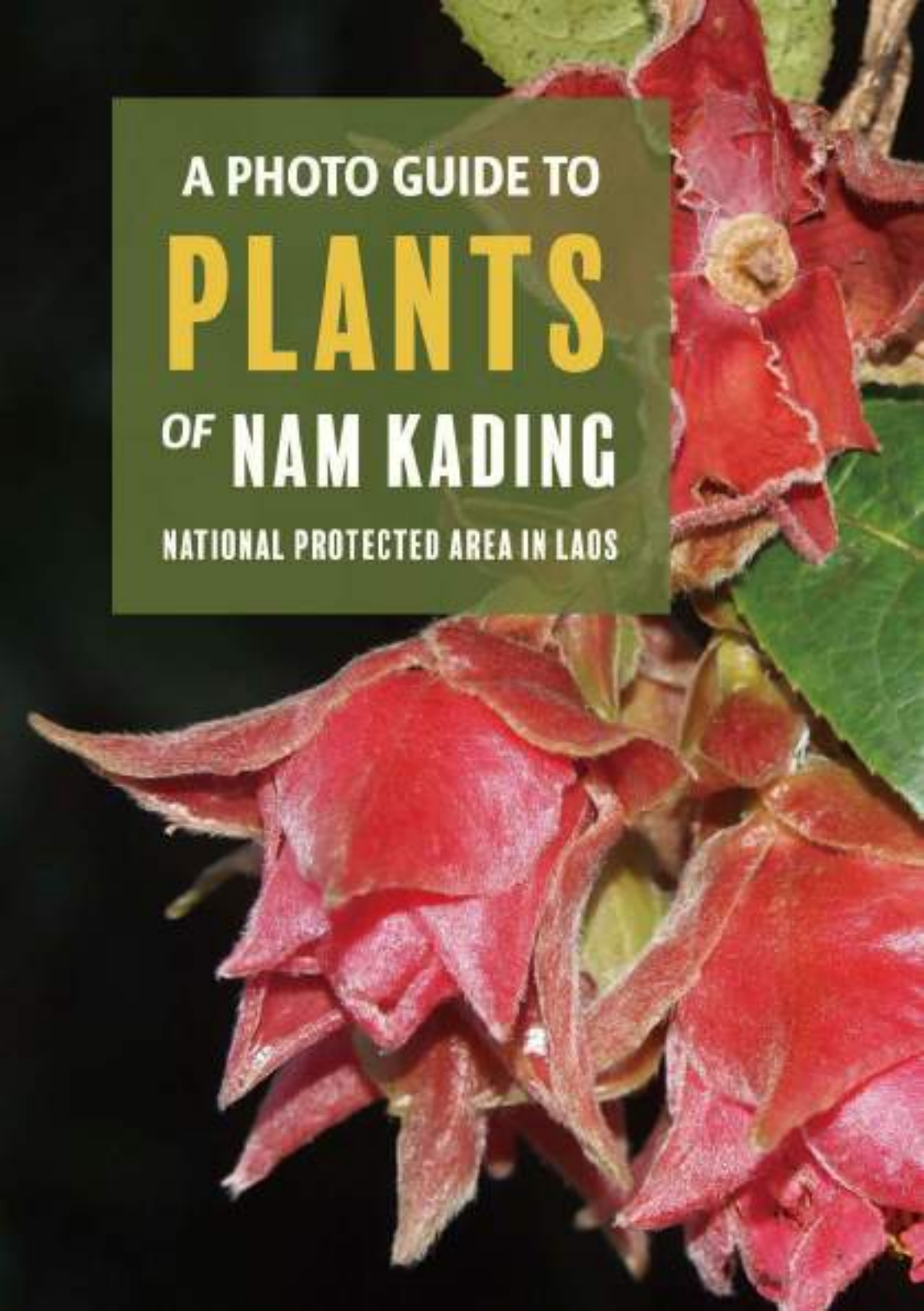

A PHOTO GUIDE TO PLANTS OF NAM KADING

NATIONAL PROTECTED AREA IN LAOS

A Photo Guide to

Plants of Nam Kading

National Protected Area in Laos

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by Phetlasy Souladeth, Takenori Yamamoto, Thyraphon Vongthavone, Deuanta Kongxaisavath, Anousone Sengthong, Kajonesuk Phengmala, Keooudone Souvannakhoummane, Phongphayboun Phonepaseuth, Van-Son Dang, Quoc-Trong Pham, Vuong-Ba Truong, Quoc-Bao Nguyen, Nobuyuki Tanaka, Kotaro T. Takahashi, Tetsukazu Yahara and Shuichiro Tagane

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Preface

We are delighted to publish this book, *A Photo Guide to Plants of Nam Kading National Protected Area in Laos*. Nam Kading National Protected Area (hereafter NPA), located in Bolikhamxai Province in central Laos, is one of the country's most important conservation areas, but there has been no comprehensive documentation of the flora in the area since its designation in 1993.

In our preliminary surveys conducted in 2016–2017 within the NPA and its vicinity, we collected 188 plant species. Our subsequent taxonomic studies revealed that nine species (4.7%) were previously undescribed, and 34 species (18.1%) had not been recorded from the country; altogether, approximately 23% of the species collected at that time was new to science or to the country, underscoring the urgent need for further botanical research in the area.

With generous support from the Nagao Natural Environment Foundation, we conducted comprehensive botanical surveys and follow-up taxonomic studies in 2023–2024 to further elucidate the flora of Nam Kading NPA.

This guidebook is based on a total of 1,686 voucher specimens collected from our surveys in 2016–2017 and 2023–2024. It is intended to serve as a valuable resource for botanists, educators, conservationists, and all those interested in the flora of protected areas and national parks in Laos.

This book is freely available through the websites of the first author (https://sites.google.com/a/nuol.edu.la/phetlasy-souladeth), the Kagoshima University Museum (https://www.museum.kagoshima-u.ac.jp/publications/publications.html), and the Nagao Natural Environment Foundation (https://www.nagaofoundation.or.jp/) under a Creative Commons Attribution-NonCommercial (CC BY-NC) license.

We hope this book contributes to the continued study and conservation of biodiversity in the NPA and enhances appreciation of the unique flora of Laos and Southeast Asia.

18 June 2025
Phetlasy Souladeth
Takenori Yamamoto
Shuichiro Tagane



Introduction

Nam Kading National Protected Area (NPA), located in Bolikhamxai Province in central Laos, is one of the 26 national protected areas designated across the country, encompassing approximately 169,000 hectares. It is recognized as one of the most globally significant natural ecosystems in Laos, owing to its biodiversity and ecological importance (Strindberg *et al.* 2007; Hallam and Hedemark 2013).

The climate of the area is typically tropical monsoonal, with a distinct wet season from May to October and a dry season from November to April. Mean annual precipitation ranges from 2,000 to 3,300 mm (Hallam and Hedemark 2013), although interannual variability is considerable. In most years, more than 90% of total rainfall is concentrated within the wet season (Hallam and Hedemark 2013; Asian Development Bank 2017).

The terrain is predominantly mountainous, with elevations ranging from around 120 m to over 1,500 m. The Nam Kading River and its tributaries run through the protected area before eventually feeding into the Mekong River Basin, shaping landscapes characterized by large rocky cliffs, steep slopes, and rugged ravines.

Vegetation types are primarily structured along these elevational and topographic gradients, resulting in a mosaic of vegetation including lowland evergreen forest, mixed deciduous forest, grassland, wetland, and limestone karst (Strindberg *et al.*, 2007; Hallam & Hedemark, 2013), which support a high diversity of flora and fauna, including numerous rare and endemic species. Despite its recognized importance in biodiversity since its designation, detailed botanical surveys in the area have been limited. Prior to our first botanical survey in 2016, only a few studies had been published (e.g. Vidal 1960; Hwang *et al.* 2015), and the flora of the NPA remained significantly under-documented.

To enrich our knowledge of the flora of the Nam Kading NPA, we conducted six field surveys over a total of 25 days during 2016–2024 (TABLE 1). In addition to general specimen collection—the conventional method of collecting mostly flowering and fruiting plants encountered during field traverses—we also carried out standardized belt-transect surveys at three locations (indicated on the MAP, p. 8). In these surveys, 5 × 100 m plots were established, and all vascular plant species (including trees, lianas, shrubs, herbs, and epiphytes) observed within the plots were recorded and collected. This method was originally developed to describe spatial patterns of plant diversity at local to regional scales (Zhang *et al.* 2016; Toyama *et al.* 2022).

TABLE 1. Number of herbarium specimens and photographs gathered from our six field surveys.

Survey period	No. of specimens	No. of field photos
22–26 Dec. 2016	410	1,913
27–30 Jun. 2017	225	1,215
2–6 Sep. 2023	520	3,010
4–7 Nov. 2023	197	2,446
15–18 Mar. 2024	215	3,833
20–22 Jun. 2024	119	1,462
Total	**1,686**	**13,879**

Through our surveys, a total of 1,686 voucher specimens were collected, along with silica-dried samples for subsequent DNA analyses, and photographs in the field. A full set of specimens was deposited in the Faculty of Forest Science, National University of Laos (FOF), and duplicates were partly deposited in the herbaria of Kyushu University (FU), Kagoshima University Museum (KAG), and the Institute of Life Sciences (VNM). These specimens were identified by consulting with taxonomic literature for Laos and neighboring areas (cited at Bibliography), as well as herbarium specimens housed in FOF, KAG and VNM, and those digitized images available via JSTOR Global Plants (https://plants.jstor.org). As a result, we identified 432 species in 310 genera and 125 families so far.

Based on these findings, this photo guide illustrates and introduces the plant species diversity of the Nam Kading NPA. It presents photographs of living plants in the field together with scanned images of the voucher specimens, aiming to visually assist in understanding their morphological characteristics. For each species, distribution and other relevant information such as habits, distinctive features, taxonomic remarks, or known uses are provided.

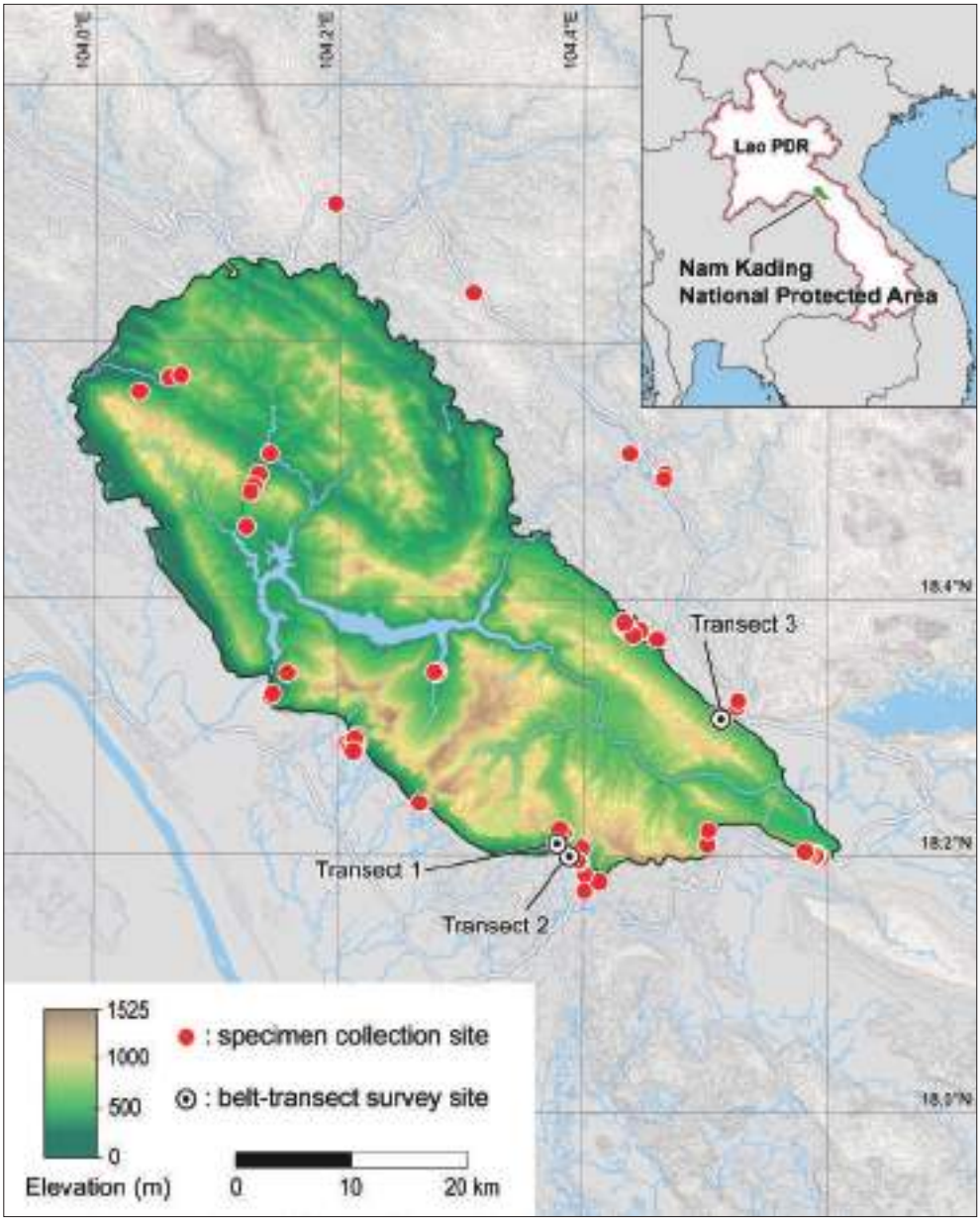
Among the 432 species we examined, 15 species belonging to 12 families represent taxa that are new to science (some of them are currently under review of scientific papers for valid publications). These species, so far known only from the NPA and its vicinity, include *Knema* sp. (Myristicaceae; Fig. 1A), *Monoon namkadingense* Soulad. & Tagane (Annonaceae; Fig. 1B), *Neo-uvaria laosensis* Tagane & Soulad. (Annonaceae; Fig. 1C), *Nymphanthus namkadingensis* Tk.Yamam., Tagane & Soulad. (Phyllanthaceae; Fig. 1D), *Syzygium* sp. (Myrtaceae; Fig. 1E), *Glycosmis* sp. 1 (Rutaceae; Fig. 1F), *Glycosmis* sp. 2 (Rutaceae; Fig. 1G), *Diospyros laoensis* Tagane & Soulad. (Ebenaceae; Fig. 1H), *Camellia namkadingensis* Soulad. & Tagane (Theaceae; Fig. 1I), *Camellia rosacea* Tagane, Soulad. & Yahara (Theaceae; Fig. 1J), *Greenea* sp. (Rubiaceae; Fig. 1K), *Didymocarpus middletonii* Souvann., Soulad. & Tagane (Gesneriaceae; Fig. 1L), *Gomphandra laotica* Soulad., V.S.Dang & Tagane (Stemonuraceae; Fig. 1M), *Ilex* sp. (Aquifoliaceae; Fig. 1N), and *Trevesia* sp. (Araliaceae; Fig. 1O) (Tagane *et al.* 2018, 2020; Souladeth *et al.* 2019, 2025; Souvannakhoummane *et al.* 2019; Yamamoto *et al.* 2024). In addition to these newly discovered species, a number of specimens remain unidentified due to its sterile state and lack of knowledge, which might include more undescribed species. Further taxonomic investigation is currently underway, but more intensive floristic field surveys is needed to clarify their identity.

Notably, all of our specimens were collected from elevations ranging from 185–720 m, whereas the NPA spans a much broader elevational range, from approximately 120 m to over 1500 m. While roughly 76% of the NPA's area lies below 800 m, the remaining 24% (i.e., higher-elevation zones), has yet to be botanically explored in our work. Given that plant communities are structured along elevational gradients, future surveys targeting high-elevation zones are essential for achieving a more comprehensive understanding of the flora of the Nam Kading NPA.



FIGURE 1. New species discovered in the Nam Kading National Protected Area, including those currently under preparation for publication. A. *Knema* sp. (see p. 55); B. *Monoon namkadingense* Soulad. & Tagane (p. 58); C. *Neo-uvaria laosensis* Tagane & Soulad. (p. 58); D. *Nymphanthus namkadingensis* Tk.Yamam., Tagane & Soulad. (p. 144); E. *Syzygium* sp. (p. 148); F. *Glycosmis* sp. 1 (p. 158); G. *Glycosmis* sp. 2 (p. 158); H. *Diospyros laoensis* Tagane & Soulad. (p. 179); I. *Camellia namkadingensis* Soulad. & Tagane (p. 183); J. *Camellia rosacea* Tagane, Soulad. & Yahara (p. 184); K. *Greenea* sp. (p. 191); L. *Didymocarpus middletonii* Souvann., Soulad. & Tagane (p. 210); M. *Gomphandra laotica* Soulad., V.S.Dang & Tagane (p. 219); N. *Ilex* sp. (p. 221); O. *Trevesia* sp. (p. 225).

Map



MAP. Nam Kading National Protected Area and our surveyed sites.

The rivers, waters, and boundaries are displayed using vector data of OpenStreetMap (https://www.openstreetmap.org © OpenStreetMap contributors), under the Open Data Commons Open Database License (https://openstreetmap.org/copyright), extracted via overpass turbo (https://overpass-turbo.eu/). The contour lines are created using the ASTER Global Digital Elevation Model ver. 3 (NASA *et al.* 2019).

How to Use This Book



1 **Scientific name:** the currently accepted name of the taxon, following Ebihara *et al.* (2006), Fawcett & Smith (2021), Govaerts (2024), and Schuettpelz *et al.* (2025); other references, if any, are indicated in **Notes:** of respective species.

2 **Literature:** the original publication in which the scientific name was legitimately published.

3 **Vernacular name:** the species name in Lao.

4 **Family name:** following the latest internationally accepted classifications based on molecular phylogenetic analyses (PPG I 2016; APG IV 2016).

5 **Photographs:** photos of the plant's habit, vegetative and reproductive organs taken during our field survey.

6 **Image of specimen:** a scanned image of a voucher specimen.

7 **Collection information:** elevation(s) at which the voucher specimen(s) were collected, along with their collection number(s).

8 **Distribution:** geographic distribution within Indochina (Cambodia, Laos, Myanmar, Thailand, and Vietnam), followed by the global distribution; the two are separated by a semicolon. The information is based on POWO (2025) and relevant taxonomic literature cited in the Bibliography. Abbreviations: C, central; E, eastern; N, northern; S, southern; W, western.

9 **Notes:** a brief description including growth habit, habitat, abundance around the collection sites, morphological characteristics etc. Abbreviations: fl., flowers; fr., fruits; PHP, Phou Hin Poun; PPM, Phou Pha Marn.

Lycopodiella cernua (L.) Pic.Serm. — Lycopodiaceae

Webbia 23: 166 (1968) — LAO ກຸດຕີນໝາຈອກງຸ້ມ





Z168 (FOF0007042)

- **Specimens:** 405 m (Z168).
- **Distribution:** Cambodia (*Toyama et al. 2491*, FU), Laos, Myanmar, Thailand, Vietnam; tropics & subtropics.
- **Notes:** terrestrial, occasional in lowland evergreen forest; widely distributed; creeping stems with leaves remotely, erect stems more than 50 cm tall with many leafy branches; strobili pendulous.

Selaginella biformis A.Braun ex Kuhn — Selaginellaceae

in H.G.A.Engler, Forschungsr. Gazelle 4: 17 (1889) — LAO ຫຍ້າຫາງນົກຍຸງ





Z55 (FOF0007031)

- **Specimens:** 329 m (Z55), 445 m (Z383).
- **Distribution:** Cambodia, Laos, Myanmar, Thailand, Vietnam; E Himalaya to Japan (Okinawa Islands) & Malesia.
- **Notes:** terrestrial, 30 cm tall, common in lowland evergreen forest; main stems erect, bearing runners; leaves on main stems basifixed, margin dentate to ciliate at base; sporophylls uniform.

Selaginella chrysorrhizos Spring

Selaginellaceae

Mém. Acad. Roy. Sci. Belgique 24: 251 (1849) — LAO ຫຍ້າເກ້ດ





Z57 (FOF0007032)

- **Specimens:** 329 m (Z57).
- **Distribution:** Laos, Myanmar, Thailand, Vietnam; India to E Himalaya.
- **Notes:** terrestrial, to 20 cm tall, common in lowland evergreen forest; ventral leaves rounded at apex; dorsal leaves long-acuminate at apex; dorsal sporophylls obtuse at apex, ventral sporophylls long apical tails, ciliate.

Selaginella helferi Warb.

Selaginellaceae

Monsunia 1: 107, 121 (1900) — LAO ຫຍ້າຣ້ອງໄຫ້





Z202 (FOF0007044)

- **Specimens:** 365 m (Z202), 406 m (Z111).
- **Distribution:** Cambodia, Laos, Myanmar, Thailand, Vietnam; India to S China.
- **Notes:** terrestrial, scandent, to 2 m tall, common in lowland evergreen forest; rhizophores restricted to lower part of stem; ventral leaves with small basal auricles; dorsal leaves white-margined.

Selaginella intermedia (Blume) Spring

Selaginellaceae

Bull. Acad. Roy. Sci. Bruxelles 10: 144 (1843) — LAO ຫຍ້າຂີ້ ເຂັບ





Z307 (FOF0007014)

- **Specimens:** 515 m (Z307).
- **Distribution:** Laos, Myanmar, Thailand, Vietnam; India & Malesia.
- **Notes:** terrestrial, 30 cm tall, occasional in lowland evergreen forest; ventral leaves slightly falcate, denticulate at margin; dorsal leaves imbricate with long-acuminate apex; sporophylls uniform.

Selaginella roxburghii (Hook. & Grev.) Spring

Selaginellaceae

Bull. Acad. Roy. Sci. Bruxelles 10: 228 (1843) — LAO ຫຍ້າປະກາລັງ





Z179 (FOF0007043)

- **Specimens:** 439 m (Z179).
- **Distribution:** Laos, Thailand, Vietnam; Peninsular Malaysia, Sumatera & Sulawesi.
- **Notes:** terrestrial, 50 cm tall, common in lowland evergreen forest; main stems thick; rhizophores only on basal portion; ventral leaves falcate, ciliate, enlarged at base; dorsal leaves ciliate; sporophylls ovate, dentate at margin.

Selaginella vaginata Spring

Selaginellaceae

Mém. Acad. Roy. Sci. Belgique 24: 87 (1849) — LAO ຫຍ້າກົນນະລີ





Z495 (FOF0007018)

- **Specimens:** 387 m (Z495).
- **Distribution:** Cambodia, Laos, Myanmar, Thailand, Vietnam; tropical & subtropical Asia.
- **Notes:** terrestrial or epilithic, 10 cm tall, occasional in lowland evergreen forest; stems prostrate, bearing rhizophores throughout; ventral leaves unequally cordate at base, long-ciliate at basal half, dentate at apical half.

Selaginella wallichii (Hook. & Grev.) Spring

Selaginellaceae

in C.F.P.von Martius & auct. suc. (eds.), Fl. Bras. 1(2): 124 (1840) — LAO ຫຍ້າຫາງໄກ່ຟ້າ





Z10 (FOF0005207)

- **Specimens:** 268 m (L337), 315 m (Z10).
- **Distribution:** Cambodia, Laos, Myanmar, Thailand, Vietnam; E Himalaya to S China & W Malesia.
- **Notes:** terrestrial, 50 cm tall, common in seasonal evergreen forest mixed with bamboo; ventral leaves oblong, falcate, aciculate at apex, entire at margin; dorsal leaves appressed, acuminate at apex.

Angiopteris yunnanensis Hieron.

Marattiaceae

Hedwigia 61: 277 (1919) — LAO ກູດກົບແຮດ





Z1149 (KAG187552)

- **Specimens:** 550 m (Z743), 620 m (Z1149).
- **Distribution:** Laos, Vietnam; S China.
- **Notes:** terrestrial, 2–5 m tall, occasional in evergreen forest, by streams; stipes with deep groove on upper surface; pinna rachis narrowly winged; traditionally used for medicinal, culinary and ornamental applications.

Osmunda javanica Blume

Osmundaceae

Enum. Pl. Javae 2: 252 (1828) — LAO ຜັກກູດໃບພ້າວ





Z20 (FOF0006997)

- **Specimens:** 315 m (Z20).
- **Distribution:** Cambodia, Laos, Myanmar, Thailand, Vietnam; E Himalaya to S China, W & C Malesia.
- **Notes:** terrestrial, 2 m tall, locally common on sandy stream beds, rocks, in light shaded evergreen forest to open areas; pinnae leathery, glabrous; roots could potentially be used as growing media for orchids.

Abrodictyum obscurum (Blume) Ebihara & K.Iwats. var. **siamense** (Christ) K.Iwats.

Blumea 51: 244 (2006) — LAO ກຸດນ້ອຍ **Hymenophyllaceae**





Z84 (FOF0007036)

- **Specimens:** 335 m (Z84).
- **Distribution:** Cambodia, Laos, Thailand, Vietnam; S China, Japan (Yaeyama Islands), W & C Malesia.
- **Notes:** lithophytic, 10 cm tall, common in evergreen forest, on wet rocks near streams; rhizome creeping; rachis glabrous, winged throughout; lamina tripinnatifid; pinnules rounded at apex.

Didymoglossum sublimbatum (Müll.Berol.) Ebihara & K.Iwats.

Blumea 51: 236 (2006) — LAO ກຸດປີກແມງມ້າ **Hymenophyllaceae**





Z858A (KAG186125)

- **Specimens:** 537 m (Z858A).
- **Distribution:** Cambodia, Laos, Myanmar, Thailand, Vietnam; India to Malesia.
- **Notes:** lithophytic, 2 cm tall, occasional in evergreen forests, creeping on semi-shaded rocks along streams; rootless, false veinlets parallel to true veins; involucre completely immersed in lamina, tubular with dilated mouth.

Dicranopteris linearis (Burm.f.) Underw. — Gleicheniaceae

Bull. Torrey Bot. Club 34: 250 (1907) — LAO ຜັກກູດຕີນຮຸ້ງ





Z384 (FOF0005543)

- **Specimens:** 406 m (Z110), 445 m (Z384).
- **Distribution:** Cambodia, Laos, Myanmar, Thailand, Vietnam; tropical & subtropical Old World.
- **Notes:** terrestrial, up to 3 m tall, common in secondary forest, on dry slopes in open areas; at each fork, except the ultimate one, a pair of accessory branches present; used traditionally for various medicinal purposes.

Dicranopteris taiwanensis Ching & Chiu — Gleicheniaceae

Fl. Reipubl. Popularis Sin. 2: 346 (1959) — LAO ກູດກ້າງປາໄນ





Z571 (FOF0005710)

- **Specimens:** 317 m (Z571).
- **Distribution:** Cambodia, Laos, Myanmar, Thailand; W Himalaya to Taiwan, Malesia & Australia.
- **Notes:** terrestrial, up to 1 m tall, occasional in lowland disturbed forest, in open areas; main fork with a sterile bud without pseudostipules; could potentially be used for medicinal and ornamental purposes.

Diplopterygium blotianum (C.Chr.) Nakai

Gleicheniaceae

Bull. Natl. Sci. Mus. Tokyo 29: 49 (1950) — LAO ກຸດແສກຄູ່





Z134 (FOF0007005)

- **Specimens:** 387 m (Z134).
- **Distribution:** Cambodia, Laos, Thailand, Vietnam; E Himalaya to Taiwan & Peninsular Malaysia.
- **Notes:** terrestrial, 2–3 m tall, common in understory of moist, shaded evergreen forest; widely distributed; pinnules with 3–4 mm stipe; stipular leaflets much divided, with narrow acuminate lobes.

Lygodium circinnatum (Burm.f.) Sw.

Lygodiaceae

Syn. Fil. (Kiliae): 153 (1806) — LAO ກຸດເຄືອອ້ອມ





Z493 (FOF0006995)

- **Specimens:** 387 m (Z493).
- **Distribution:** Laos, Myanmar, Thailand, Vietnam; Sri Lanka, Bangladesh to S China, Malesia & W Pacific.
- **Notes:** terrestrial climbing ferns to several meters tall, occasional in lowland evergreen forest; pinna margin entire, pinnules not articulate to rachis; used traditionally for medicinal, edible, and crafting purposes.

Lygodium flexuosum (L.) Sw.

Lygodiaceae

J. Bot. (Schrader) 1800(2): 106 (1801) — LAO ກຸດຂີ້ເຂັບ





Z494 (FOF0007017)

- **Specimens:** 387 m (Z494).
- **Distribution:** Cambodia, Laos, Myanmar, Thailand, Vietnam; India to S China, Malesia & Australia.
- **Notes:** terrestrial climbing ferns to several meters tall, common in lowland seasonal evergreen forest; pinnae monomorphic, pinnules not articulate to rachis; used traditionally for medicinal and crafting purposes.

Lygodium polystachyum Wall. ex T.Moore

Lygodiaceae

Gard. Chron. 1859: 671 (1859) — LAO ກຸດເຄືອປ່າ





Z109 (FOF0007037)

- **Specimens:** 315 m (Z18), 406 m (Z109).
- **Distribution:** Cambodia, Laos, Myanmar, Thailand, Vietnam; Assam to S China, Peninsular Malaysia & Sulawesi.
- **Notes:** terrestrial climbing ferns to several meters tall, common in lowland seasonal evergreen forest; easily recognized by regularly 1-pinnate pinnae; rachis with dense brown long hairs; stems used as weaving and craft materials.

Lygodium salicifolium C.Presl

Lygodiaceae

Tent. Pterid.: 102 (1836) — LAO ກຸດເຄືອໃບຫຼົ່ວ





Z1361 (FOF0006457)

- **Specimens:** 194 m (Z1361), 365 m (Z204), 459 m (Z618), 550 m (Z737), 621 m (Z903).
- **Distribution:** Cambodia, Laos, Myanmar, Thailand, Vietnam; India to Taiwan & Malesia.
- **Notes:** terrestrial climbing ferns to several meters tall, common in lowland seasonal evergreen forest; rachis glabrous, pinnules articulate at base; used traditionally for crafting purposes.

Lygodium yunnanense Ching

Lygodiaceae

Fl. Reipubl. Popularis Sin. 2: 345 (1959) — LAO ກຸດເຄືອຢຸນນານ





Z113 (FOF0007004)

- **Specimens:** 406 m (Z113).
- **Distribution:** Laos, Myanmar, Thailand; Bangladesh to S China.
- **Notes:** terrestrial climbing ferns to several meters tall, common in lowland seasonal evergreen forest; differs from *Lygodium flexuosum* in having pinnules articulate at base of stalks and hairy indusia; used traditionally for crafting purposes.

Cibotium barometz (L.) J.Sm.

Cibotiaceae

London J. Bot. 1: 437 (1842) — LAO ກຸດເຂືອ





Z154 (FOF0007008)

- **Specimens:** 405 m (Z154).
- **Distribution:** Cambodia, Laos, Myanmar, Thailand, Vietnam; Tibet to Japan (Ryukyu Islands) & Malesia.
- **Notes:** terrestrial, fronds up to 3 m long, common in evergreen forest and its margins; widely distributed; rhizomes massive with dense golden yellow long hairs; used traditionally for medicinal and ornamental purposes.

Gymnosphaera henryi (Baker) S.R.Ghosh

Cyatheaceae

Pterid. Fl. E. India: 200 (2004) — LAO ຜັກກຸດຕົ້ນ





Z598 (FOF0005735)

- **Specimens:** 387 m (Z138), 427 m (Z598), 515 m (Z403).
- **Distribution:** Laos, Myanmar, Thailand, Vietnam; S China.
- **Notes:** low or semi-arboreal tree, rarely up to 3.5 m tall, occasional in evergreen forest along streams at middle to high elevations; pinnae sessile, sori in V-shape on pinnule-lobes; potentially cultivated as ornamental plant.

Lindsaea ensifolia Sw.

Lindsaeaceae

J. Bot. (Schrader) 1800(2): 77 (1801) — LAO ภุดทำ





Z163 (FOF0005335)

- **Specimens:** 405 m (Z163).
- **Distribution:** Cambodia, Laos, Myanmar, Thailand, Vietnam; tropical & subtropical Old World to W Pacific.
- **Notes:** terrestrial, up to 50 cm tall, common in roadside, grassland, forest margins; widely distributed; veins uniting to 2 rows of areoles at each side of costae; frond extracts have the antibacterial property (Thomas, 2011).

Lindsaea lucida Blume

Lindsaeaceae

Enum. Pl. Javae 2: 216 (1828) — LAO ภุดส้อยปะภาย





Z67 (FOF0007186)

- **Specimens:** 375 m (Z67).
- **Distribution:** Laos, Myanmar, Thailand, Vietnam; India to Japan (Yaeyama Islands) & Malesia.
- **Notes:** lithophytic or terrestrial, 30 cm tall, occasional in lowland evergreen forest, on mossy rocks or sandy steep slope beside streams; veins free, sori interrupted; could potentially be used for ornamental purposes.

Odontosoria chinensis (L.) J.Sm. — Lindsaeaceae

B.Seemann, Bot. Voy. Herald: 430 (1857) — LAO ກູດຫາງໄຜ່ແດງ





Z144 (FOF0005318)

- **Specimens:** 405 m (Z144).
- **Distribution:** Laos, Myanmar, Thailand, Vietnam; tropical to subtropical Asia to W Pacific.
- **Notes:** terrestrial, 40 cm tall, common in lowland evergreen forest by streams; widely distributed; could be an alternative source of anticancer, anti-diabetic and anti-inflammatory drugs (Antonysamy Johnson *et al.*, 2020).

Adiantum caudatum L. — Pteridaceae

Mant. Pl. 2: 308 (1771) — LAO ກູດກ້ານດຳຕີນກັບແກ້





Z489 (FOF0005633)

- **Specimens:** 387 m (Z489).
- **Distribution:** Cambodia, Laos, Myanmar, Thailand, Vietnam; India to Taiwan, Malesia & W Pacific.
- **Notes:** terrestrial or lithophytic, 40 cm tall, common in dry evergreen forest and semi-evergreen forest on limestone; stipes and fronds densely hairy on both surfaces; frond extracts reported to have antibacterial activity (Thomas, 2014).

Adiantum philippense L.

Pteridaceae

Sp. Pl.: 1094 (1753) — LAO ກຸດກ້ານດຳຫາງຊ້ຽ





Z382 (FOF0005542)

- **Specimens:** 387 m (Z490), 445 m (Z382).
- **Distribution:** Cambodia, Laos, Myanmar, Thailand, Vietnam; tropical to subtropical Old World.
- **Notes:** terrestrial or lithophytic, 40 cm tall, common in seasonal evergreen forest; all parts glabrous; its bioactive compounds could be useful in the prevention of different diseases (Akhter *et al.*, 2023).

Calciphilopteris ludens (Wall. ex Hook.) Yesilyurt & H.Schneid.

Pteridaceae

Phytotaxa 7: 56 (2010) — LAO ກຸດໃບມຸ





Z491 (FOF0005636)

- **Specimens:** 387 m (Z491).
- **Distribution:** Cambodia, Laos, Myanmar, Thailand, Vietnam; India to S China, Malesia & Australia.
- **Notes:** terrestrial or lithophytic, 40 cm tall, common in dry evergreen forest, seasonal evergreen forests on limestone karst; sterile lamina less lobed, fertile lamina deeply pinnatisect; used for ornamental purposes.

Onychium siliculosum (Desv.) C.Chr. — Pteridaceae

Index Filic.: 20 (1905) — LAO ກຸດໝໍ່ໄມ້ຝລັ້ງ





Z740 (FOF0005870)

- **Specimens:** 550 m (Z740).
- **Distribution:** Cambodia, Laos, Myanmar, Thailand, Vietnam; India to Taiwan, Malesia & Australia.
- **Notes:** terrestrial, 40 cm tall, occasional in dry evergreen forest along stream bank; fertile segments with bright yellow farina abaxially, longest sori 1–2 cm or more; could potentially be used for ornamental purposes.

Parahemionitis arifolia (Burm.f.) Panigrahi — Pteridaceae

Indian Fern J. 9: 244 (1992 publ. 1993) — LAO ກຸດໃບຍອນ





Z1360 (FOF0006456)

- **Specimens:** 185 m (Z1333), 194 m (Z1360), 280 m (Z1185), 387 m (Z492).
- **Distribution:** Cambodia, Laos, Myanmar, Thailand, Vietnam; India to Taiwan, W & C Malesia.
- **Notes:** terrestrial, 20 cm tall, common in lowland evergreen forest; fronds dimorphic; used in ornamental purposes and frond extracts exhibit potential anticancer activities (Reddy *et al.*, 2023).

Pityrogramma calomelanos (L.) Link

Pteridaceae

in J.C.Mössler, Handb. Gewächsk., ed. 3. 3: 20 (1833) — LAO ກຸດສຸມກ້ານດຳ





Z572 (FOF0005711)

- **Specimens:** 317 m (Z572).
- **Distribution:** Native to Mexico to tropical America, introduced to tropical to subtropical Old World.
- **Notes:** terrestrial, 60 cm tall, common on open mountain slopes; widely cultivated as ornamental plants and the farina has cytotoxic and anticancer chemical called dihydrochalcone (Sukumaran and Kuttan, 1991).

Pteris blumeana J.Agardh

Pteridaceae

Recens. Spec. Pter.: 22 (1839) — LAO ກຸດກ້ານດຳຮາງເງິນ





Z461 (KAG186895)

- **Specimens:** 331 m (Z461), 434 m (Z219).
- **Distribution:** Cambodia, Laos, Myanmar, Thailand, Vietnam; India to Malesia.
- **Notes:** terrestrial, 1.2 m tall, common in seasonal evergreen forest; stipes shiny, castaneous to deep purple in lower part; long spines on adaxial side of costa and costules; cultivated as ornamental.

Pteris dissitifolia Baker

Pteridaceae

J. Bot. 28: 263 (1890) — LAO ກຸດກ້ານດຳໃບຍາວ





Z133 (FOF0007003)

- **Specimens:** 387 m (Z133).
- **Distribution:** Laos, Vietnam; S China.
- **Notes:** terrestrial, 1.5 m tall, common in lowland evergreen forest; rhizome scales with paler margins; stipes shining, castaneous-brown; could potentially be used for ornamental purposes.

Pteris ensiformis Burm.f.

Pteridaceae

Fl. Ind.: 230 (1768) — LAO ກຸດຂົນນົກໃບດາບ





Z457 (FOF0005606)

- **Specimens:** 331 m (Z457), 348 m (Z637).
- **Distribution:** Cambodia, Laos, Myanmar, Thailand, Vietnam; Sri Lanka, Nepal to Japan, Malesia to W Pacific.
- **Notes:** terrestrial, 50 cm tall, common in seasonal evergreen forests on limestone karst; fronds distinctly dimorphic, lateral pinnae of fertile frond with a single basiscopic branch only; widely cultivated as ornamental plant.

Pteris venusta Kunze

Pteridaceae

Bot. Zeitung (Berlin) 6: 195 (1848) — LAO ກູດກ້ານດຳເຜໜີ





Z458 (FOF0005607)

- **Specimens:** 331 m (Z458).
- **Distribution:** Cambodia, Laos, Myanmar, Thailand, Vietnam; India to Taiwan, W & C Malesia.
- **Notes:** terrestrial, 80 cm tall, common in lowland seasonal evergreen forest, usually in shaded places; fronds monomorphic, pinnae shiny and smooth adaxially, margins obviously reflexed.

Taenitis blechnoides (Willd.) Sw.

Pteridaceae

Syn. Fil. (Kiliae): 24, 220 (1806) — LAO ກູດດາວເຮືອໆ





Z22 (FOF0005218)

- **Specimens:** 315 m (Z22).
- **Distribution:** Cambodia, Laos, Myanmar, Thailand, Vietnam; Sri Lanka, Hainan, Malesia to W Pacific.
- **Notes:** terrestrial, 80 cm tall, common in lowland evergreen forest, in shaded areas or semi-shaded forest edges; decoction of plant used to treat ring worm and shingles (Hanum *et al.*, 1999).

Microlepia calvescens (Wall. ex Hook.) C.Presl

Dennstaedtiaceae

Abh. Königl. Böhm. Ges. Wiss., ser. 5, 6: 95 (1851) — LAO ກຸດເກັດນ້ອຍຄາງໝູ





Z939 (FOF0007073)

- **Specimens:** 640 m (Z939).
- **Distribution:** Laos, Myanmar, Thailand, Vietnam; E Himalaya to Taiwan, Jawa.
- **Notes:** terrestrial, 1.2 m tall, occasional in seasonal evergreen forest, on humus-rich slopes in shaded areas; pinnae glabrous on both surfaces, distinctly stalked, shortly hairy only on veins.

Microlepia rhomboidea (Hook.) C.Presl ex Prantl

Dennstaedtiaceae

Arbeiten Königl. Bot. Gart. Breslau 1: 31 (1892) — LAO ກຸດເກັດນ້ອຍຫາງມ້າ





Z596 (FOF0007053)

- **Specimens:** 427 m (Z596).
- **Distribution:** Laos, Myanmar, Thailand, Vietnam; E Himalaya to Taiwan & Philippines.
- **Notes:** terrestrial, 2 m tall, occasional in seasonal evergreen forest, on humus-rich slopes in shaded areas; rachis and rachillae densely covered with long acicular hairs and sparsely on both surfaces of lamina and veins.

Microlepia speluncae (L.) T.Moore

Dennstaedtiaceae

Index Fil.: 93 (1858) — LAO ກຸດຜີ





Z639 (FOF0007059)

- **Specimens:** 348 m (Z639), 405 m (Z155), 720 m (Z951).
- **Distribution:** Cambodia, Laos, Myanmar, Thailand, Vietnam; tropics & subtropics.
- **Notes:** terrestrial, 1.5 cm tall, common in seasonal evergreen forest, often at forest edges, roadside thickets; fronds with both long needle-like hairs and shorter gray hairs on both surfaces; indusium densely hairy.

Microlepia trapeziformis (Roxb.) Kuhn

Dennstaedtiaceae

Chaetopterides: 27 (1882) — LAO ກຸດຜັດນ້ອຍຫຼ່ຽມເພັດ





Z427 (FOF0007047)

- **Specimens:** 503 m (Z427), 620 m (Z1148).
- **Distribution:** Laos, Myanmar, Thailand, Vietnam; India to Taiwan, W & C Malesia.
- **Notes:** terrestrial, 1.2 m tall, occasional in evergreen forest mixed with bamboo, in shaded areas; rachis and rachillae abaxially with only long acicular hairs; indusia with long hairs.

Pteridium aquilinum (L.) Kuhn

Dennstaedtiaceae

C.C.von der Decken, Reisen Ost Afr. 3(3): 11 (1879) — LAO ກູດຊະນິ





Z896 (KAG187308)

- **Specimens:** 621 m (Z896).
- **Distribution:** Cambodia, Laos, Myanmar, Thailand, Vietnam; cosmopolitan.
- **Notes:** terrestrial, 2 m tall, common in open disturbed areas; used for various purpose, including culinary, medicinal, and practical applications (Donnelly *et al.*, 2002; Malík *et al.*, 2024).

Asplenium phyllitidis D.Don

Aspleniaceae

Prodr. Fl. Nepal.: 7 (1825) — LAO ກະແຕ່ໄຕ່ໄມ້





Z50 (FOF0007030)

- **Specimens:** 329 m (Z50).
- **Distribution:** Laos, Myanmar, Thailand, Vietnam; India to S China.
- **Notes:** epiphytic or lithophytic, 1 m tall, common in evergreen forests; midrib obtusely keeled abaxially, lower part of lamina usually sterile; could potentially be used in ornamental purposes.

Asplenium tenerum G.Forst.

Aspleniaceae

Fl. Ins. Austr.: 80 (1786) — LAO ກູດຫາງນົກຍຸ





Z857 (KAG187271)

- **Specimens:** 537 m (Z857).
- **Distribution:** Cambodia, Laos, Myanmar, Thailand, Vietnam; W Indian Ocean, tropical & subtropical Asia to Pacific.
- **Notes:** lithophytic, 60 cm tall, common in evergreen forest, on semi-shaded mossy rocks along streams; fronds subleathery, sometimes gemmiferous on rachis near apex.

Blechnum orientale L.

Blechnaceae

Sp. Pl.: 1077 (1753) — LAO ກູດຟານ





Z220 (FOF0005384)

- **Specimens:** 434 m (Z220), 621 m (Z932).
- **Distribution:** Cambodia, Laos, Myanmar, Thailand, Vietnam; tropical & subtropical Asia to Pacific.
- **Notes:** terrestrial, 2.5 m tall, fairly common in evergreen forest, on semi-shaded to open slopes; lower pinnae contracted to small rounded auricles; potentially be used for colon cancer therapy (Lai *et al.*, 2010).

Anisocampium cumingianum C.Presl

Athyriaceae

Abh. Königl. Böhm. Ges. Wiss., ser. 5, 6: 59 (1851) — LAO ກຸດມ້ອນ





Z488 (FOF0005632)

- **Specimens:** 387 m (Z488).
- **Distribution:** Cambodia, Laos, Myanmar, Thailand; India, Sri Lanka, S China, Taiwan & Malesia.
- **Notes:** terrestrial, 70 cm tall, common in semi-evergreen forest on limestone karst; grooves on adaxial side of costae confluent to groove of rachis; veins pinnate, 1–2 pairs of basal veinlets uniting to form rhomboid areoles.

Diplazium lineolatum Blume

Athyriaceae

Enum. Pl. Javae 2: 191 (1828) — LAO ກຸດຂົນນົກ





Z170 (FOF0005341)

- **Specimens:** 405 m (Z170), 515 m (Z398).
- **Distribution:** Cambodia, Laos, Thailand, Vietnam; Bangladesh to Japan & W Malesia.
- **Notes:** terrestrial, 80 cm tall, common in lowland evergreen forest mixed with bamboo; rhizome slender, creeping to oblique; scales lanceolate, thickly membranous, concolor, dark brown to black, lamina leathery.

Diplazium platychlamys C.Chr. — Athyriaceae

Bull. Mus. Natl. Hist. Nat., sér. 2, 6: 100 (1934) — LAO ກูดใบมิด





Z76 (FOF0005265)

- **Specimens:** 375 m (Z76).
- **Distribution:** Laos, Vietnam.
- **Notes:** terrestrial, 80 cm tall, occasional in lowland evergreen forests mixed with bamboo; pinna 11–13 pairs, narrower than *Diplazium lineolatum*.

Abacopteris aspera (C.Presl) Ching — Thelypteridaceae

Acta Phytotax. Sin. 8: 332 (1963) — LAO ກูดลูกคิดใบหยาบ





Z54 (KAG186524)

- **Specimens:** 329 m (Z54), 434 m (Z221).
- **Distribution:** Laos, Thailand, Vietnam; Malesia & Australia.
- **Notes:** terrestrial, 1.5 m tall, common in lowland evergreen forest; basal pinna slightly reduced; indusia small with few hairs, sporangia with 1–2 setose hairs.

Amblovenatum decorum (Domin) S.Linds. & D.J.Middleton

Thelypteridaceae

Kew Bull. 76: 318 (2021) — LAO ภูดใบเลื่อยยาว





Z613 (FOF0005750)

- **Specimens:** 256 m (Z1416), 329 m (Z43), 427 m (Z597), 459 m (Z613).
- **Distribution:** Cambodia, Laos, Thailand, Vietnam; tropical Africa, Sri Lanka, Hainan, Malesia & Australia.
- **Notes:** terrestrial, 1.5 m tall, common in lowland evergreen forest; rhizome long-creeping; lamina papery, terminal pinna similar to lateral pinnae; indusia with short hairs on body, margin glabrous.

Christella dentata (Forssk.) Brownsey & Jermy

Thelypteridaceae

Brit. Fern Gaz. 10: 338 (1973) — LAO ภูดใบเลื่อยสั้น





Z385 (KAG186827)

- **Specimens:** 445 m (Z385).
- **Distribution:** Laos, Myanmar, Thailand, Vietnam; tropical & subtropical Old World to Pacific.
- **Notes:** terrestrial, 80 cm tall, common in lowland evergreen forest, usually in semi-shaded to open places; rhizome suberect; veinlets 1.5 pairs beneath sinus; indusia shortly hairy.

Christella latipinna (Benth.) H.Lév.

Thelypteridaceae

Fl. Kouy-Tchéou: 474 (1915) — LAO ກຸດຄີປາເຂັ້ງ



Z40 (KAG186509)

- **Specimens:** 329 m (Z40).
- **Distribution:** Laos; S China to Taiwan.
- **Notes:** terrestrial, 50 cm tall, common in lowland evergreen forest, besides streams; rhizome scales hairy; abaxial side of pinna bases with glands; basal pair of veinlets anastomosing, next pair running to sinus membrane, excurrent veinlet usually interrupted; indusia shortly hairy.

Grypothrix parishii (Bedd.) S.E.Fawc. & A.R.Sm.

Thelypteridaceae

Sida, Bot. Misc. 59: 47 (2021) — LAO ภูดลายแขา





Z68 (FOF0007034)

- **Specimens:** 375 m (Z68).
- **Distribution:** Laos, Myanmar, Thailand, Vietnam; Assam to Peninsular Malaysia.
- **Notes:** terrestrial, 50 cm tall, occasional on shaded river banks; rhizome long-creeping, slender; lateral pinnae 2–5 pairs; sori elongate along veinlets, exindusiate, sporangia each with 2 hooked hairs.

Grypothrix triphylla (Sw.) S.E.Fawc. & A.R.Sm.

Thelypteridaceae

Sida, Bot. Misc. 59: 48 (2021) — LAO ภูดลายแขาสามใบ





Z855 (KAG187269)

- **Specimens:** 537 m (Z855).
- **Distribution:** Laos, Myanmar, Thailand, Vietnam; tropical & subtropical Asia to Japan & W Pacific.
- **Notes:** terrestrial, 50 cm tall, occasional on shaded river banks; rhizome long-creeping, slender, lamina trilobed, herbaceous; sori elongate along veinlets, exindusiate, sporangia each with 2 hooked hairs.

Pseudocyclosorus falcilobus (Hook.) Ching

Thelypteridaceae

Acta Phytotax. Sin. 8: 324 (1963) — LAO ກູດຫາງກວາງ





Z845 (FOF0007065)

- **Specimens:** 537 m (Z845).
- **Distribution:** Laos, Myanmar, Thailand, Tibet, Vietnam; India to S China.
- **Notes:** terrestrial or lithophytic, 70 cm tall, occasional in lowland evergreen forest, on rocks along streams; rhizome short, erect, lamina softly chartaceous, densely hairy abaxially; veins pinnate, veinlets simple, hairy.

Trigonospora ciliata (Wall. ex Benth.) Holttum

Thelypteridaceae

Blumea 19: 29 (1971) — LAO ກູດກ້າງປາ





Z44 (KAG186512)

- **Specimens:** 329 m (Z44), 620 m (Z1162).
- **Distribution:** Laos, Myanmar, Thailand, Vietnam; Nepal to S China & W Malesia.
- **Notes:** terrestrial or lithophytic, 60 cm tall, occasional in dense evergreen forest, on rocks along streams; rhizome erect; rachis and costa densely hairy; veins pinnate, veinlets simple, hairy; indusia hairy.

Bolbitis appendiculata (Willd.) K.Iwats.

Dryopteridaceae

Acta Phytotax. Geobot. 18: 48 (1959) — LAO ກຸດຫົ່ນ





Z744 (FOF0005873)

- **Specimens:** 348 m (Z640), 550 m (Z744).
- **Distribution:** Cambodia, Laos, Myanmar, Thailand, Vietnam; India to Japan (Ryukyu Islands), W & C Malesia.
- **Notes:** lithophytic, 30 cm tall, common in evergreen forests, on mossy moist rocks along streams; sterile pinnae obtuse or rounded at apex, auricled at acroscopic and dimidiate at basiscopic bases.

Bolbitis crispatula (Hook.) Ching

Dryopteridaceae

in C.F.A.Christensen, Index Filic., Suppl. Tert.: 47 (1934) — LAO ກຸດຫົ່ນງ້ອງເງ້ງ





Z1334 (FOF0006430)

- **Specimens:** 185 m (Z1334), 550 m (Z741), 550 m (Z742).
- **Distribution:** Cambodia, Laos, Myanmar, Thailand; Bangladesh & Assam.
- **Notes:** terrestrial or lithophytic, 1 m tall, common in broad-leaved evergreen forest, on wet ground or mossy moist rocks near streams; sporangia confined to pinna margins, leaving sterile portion along costa.

Bolbitis heteroclita (C.Presl) Ching

Dryopteridaceae

in C.F.A.Christensen, Index Filic., Suppl. Tert.: 48 (1934) — LAO ກຸດຫີນຫາງຄ່າງ





Z617 (FOF0007056)

- **Specimens:** 459 m (Z617).
- **Distribution:** Laos, Myanmar, Thailand, Vietnam; Nepal to E Asia, Malesia & W Pacific.
- **Notes:** terrestrial or lithophytic, 80 cm tall, occasional in evergreen forest, on wet ground or muddy moist rocks near streams; terminal pinna apex usually elongate, forming long tail bearing bulbil at the tip.

Bolbitis virens (Wall. ex Hook. & Grev.) Schott var. **compacta** Hennipman

Blumea 18: 149 (1970) — LAO ກຸດຫີນງ້ອງແງ້ງໃບກ້ວ້າງ

Dryopteridaceae





Z739 (FOF0005869)

- **Specimens:** 315 m (Z17), 550 m (Z739).
- **Distribution:** Cambodia (?), Laos, Thailand, Vietnam; Peninsular Malaysia.
- **Notes:** terrestrial or lithophytic, 1 m tall, common in broad-leaved evergreen forest, on wet ground or mossy moist rocks near streams; pinnae of fertile frond narrowly lanceolate, about 3–7 times as long as wide.

Bolbitis virens (Wall. ex Hook. & Grev.) Schott var. **virens** — Dryopteridaceae

Gen. Fil. (Vindob.): t. 13 (1835) — LAO ກຸດຫົນງ້ອງແງ້ງໃບແຄບ





Z738 (KAG187158)

- **Specimens:** 550 m (Z738).
- **Distribution:** Laos, Myanmar, Thailand; Bangladesh to S China.
- **Notes:** terrestrial or lithophytic, 1 m tall, common in broad-leaved evergreen forest, on wet ground or mossy moist rocks near streams; pinnae of fertile frond linear, usually more than 15 times as long as wide.

Dryopteris sparsa (D.Don) Kuntze — Dryopteridaceae

Revis. Gen. Pl. 2: 813 (1891) — LAO ກຸດກ໋ຳບາງ





Z856 (KAG187270)

- **Specimens:** 537 m (Z856).
- **Distribution:** Laos, Myanmar, Thailand, Vietnam; tropical & subtropical Asia to W Pacific.
- **Notes:** terrestrial or lithophytic, 80 cm tall, occasional in evergreen forest, on semi-shaded slope or mossy rocks along streams; rhizome short, erect, scales oblong-ovate, stipes castaneous towards base, indusia large, glabrous.

Pleocnemia submembranacea (Hayata) Tagawa & K.Iwats. — Dryopteridaceae

Acta Phytotax. Geobot. 26: 61 (1974) — LAO ภูดดำ





Z616 (KAG187045)

- **Specimens:** 329 m (Z56), 387 m (Z135), 459 m (Z616).
- **Distribution:** Laos, Myanmar, Thailand, Vietnam; Nepal to Taiwan.
- **Notes:** terrestrial, 1.2 m tall, common in lowland evergreen forest near streams; stipe base scale entire at margin; veins anastomosing in costal and costular areoles only, other veins free.

Polystichum attenuatum Tagawa & K.Iwats. — Dryopteridaceae

Acta Phytotax. Geobot. 23: 113 (1968) — LAO ภูดง้าเอ





Z426 (FOF0007175)

- **Specimens:** 503 m (Z426).
- **Distribution:** Laos, Myanmar, Thailand, Vietnam; Assam to Taiwan.
- **Notes:** terrestrial, 50 cm tall, common in dense evergreen forest on humus rich soil; rhizome short, ascending; scales dimorphic, entire, light brown; rachis with one proliferous bulbil near apex.

Nephrolepis falciformis J.Sm.

Nephrolepidaceae

Ferns Brit. For.: 287 (1866) — LAO ກູດສ້ອຍ





Z642 (FOF0005774)

- **Specimens:** 348 m (Z642).
- **Distribution:** Cambodia, Laos, Myanmar, Thailand, Vietnam; Sri Lanka, S China & Malesia.
- **Notes:** epiphytic, 1.2 m tall, occasional in lowland dense evergreen forest, on tree trunks; fronds usually pendulous, thinly herbaceous, both surfaces glabrous, middle pinnae falcate; sori submarginal, indusia reniform.

Tectaria herpetocaulos Holttum

Tectariaceae

Dansk Bot. Ark. 23: 241 (1965) — LAO ກູດຫາງເງືອກແມງເງົາ





Z1415 (FOF0006509)

- **Specimens:** 256 m (Z1415), 329 m (Z39), 365 m (Z201).
- **Distribution:** Laos, Myanmar, Thailand, Vietnam; S China to Peninsular Malaysia.
- **Notes:** terrestrial, 1 m tall, common in lowland dense evergreen forest; rhizome creeping; laminae glabrous on both surfaces, pinnae are simple and broadly rounded at the base, terminal pinna base cuneate.

Tectaria impressa (Fée) Holttum

Tectariaceae

Fl. Males., Ser. 2, Pterid. 2(1): 51 (1991) — LAO ກູດກາວໆ





Z218 (FOF0005383)

- **Specimens:** 315 m (Z16), 434 m (Z218).
- **Distribution:** Cambodia, Laos, Myanmar, Thailand, Vietnam; E Himalaya to S China & W Malesia.
- **Notes:** terrestrial, 60 cm tall, common in lowland evergreen forest mixed with bamboo; fertile fronds rather tall but contracted, veins anastomosing to form areoles with included free veinlets.

Tectaria rockii C.Chr.

Tectariaceae

Contr. U.S. Natl. Herb. 26: 331 (1931) — LAO ກູດລອກ





Z447 (KAG186882)

- **Specimens:** 475 m (Z447).
- **Distribution:** Laos, Myanmar, Thailand, Vietnam; S China.
- **Notes:** terrestrial, 1.2 m tall, occasional in lowland evergreen forests, on humus rich soil; stipes and rachises castaneous to dark brown, slightly glossy, thickly papery, abaxially glabrous, adaxially pubescent.

Tectaria sagenioides (Mett.) Christenh.

Tectariaceae

Phytotaxa 10: 58 (2010) — LAO ກູດງ້າວຂົນ





Z58 (KAG186527)

- **Specimens:** 329 m (Z58).
- **Distribution:** Laos, Myanmar, Thailand, Vietnam; S China to Malesia.
- **Notes:** terrestrial, 50 cm tall, occasional in lowland evergreen forest, in semi-shaded areas near streams; fronds monomorphic, lamina herbaceous, hairs on adaxial surface of one kind, multiseptated, veins all free.

Tectaria vasta (Blume) Copel.

Tectariaceae

Philipp. J. Sci., C 2: 411 (1907) — LAO ກູດຫາງເງືອກປ່າຍໃຫ່ຍ





Z256 (KAG186712)

- **Specimens:** 387 m (Z132), 515 m (Z256).
- **Distribution:** Laos, Myanmar, Thailand, Vietnam; E Himalaya to S China & Malesia.
- **Notes:** terrestrial, 1m tall, common in lowland evergreen forest in semi-shaded areas; stipe broadly winged almost to the base; rachis without gemmae; sori indusiate, irregularly arranging between main veins.

Drynaria bonii Christ

Polypodiaceae

Notul. Syst. (Paris) 1: 186 (1910) — LAO ກຸດກະຮອກກາບລົມ





Z49 (KAG186519)

- **Specimens:** 238 m (L213), 329 m (Z49).
- **Distribution:** Cambodia, Laos, Thailand, Vietnam; E Himalaya to S China & Peninsular Malaysia.
- **Notes:** lithophytic or epiphytic, 70 cm tall, common in evergreen forests, on limestone rocks or on tree trunks; used in traditional medicine to treat bone diseases, osteoporosis, and fractures.

Drynaria deuansavanhii Vongthavone & Tagane

Polypodiaceae

Kew Bull. 80(1): 186 (2025) — LAO ດາຣາສະຫວັນ





Z478 (FOF0005624)

- **Specimens:** 393 m (Z478).
- **Distribution:** endemic to Laos.
- **Notes:** lithophytic or epiphytic, to 50 cm tall, common in evergreen forest on limestone rocks or tree trunks; basal fronds small, 4 × 3 cm. Type (*Souladeth et al. PPM28*, FOF-holo, HNL, KAG-iso) from Rock Viewpoint, Phou Pha Marn.

Lepisorus zippelii (Blume) C.F.Zhao, R.Wei & X.C.Zhang

Polypodiaceae

Cladistics 36: 251 (2019) — LAO ກຸດສຸມ





Z436 (FOF0007048)

- **Specimens:** 475 m (Z436).
- **Distribution:** Cambodia, Laos, Myanmar, Thailand, Vietnam; W Himalaya to S China & Malesia.
- **Notes:** lithophytic or epiphytic, 50 cm tall, occasional in evergreen forest, on rocks of limestone karts; rhizome thick; lamina papery: sori arranging in two irregular rows between adjacent main veins.

Leptochilus decurrens Blume

Polypodiaceae

Enum. Pl. Javae 2: 206 (1828) — LAO ກຸດອ້ອມ





Z641 (FOF0005773)

- **Specimens:** 329 m (Z41), 348 m (Z641).
- **Distribution:** Laos, Myanmar, Thailand, Vietnam; India to Japan (Ogasawara-shoto) & Malesia.
- **Notes:** lithophytic, 40 cm tall, common in lowland evergreen forests, on wet rocks near streams in shade; rhizome long-creeping; scales distinctly clathrate, uniformly brown, margin minutely toothed.

Leptochilus digitatus (Baker) Noot. — Polypodiaceae

Blumea 42: 282 (1997) — LAO ກຸດເລັບມືນາງ





Z62 (FOF0007033)

- **Specimens:** 329 m (Z62).
- **Distribution:** Laos, Vietnam; S China.
- **Notes:** terrestrial or hemi-epiphytic, 30 cm tall, occasional in dense evergreen forests, on humus rich soil or climbing on lower small tree trunks in shaded areas; rhizome slender, long creeping; lamina thinly herbaceous.

Leptochilus pteropus (Blume) Fraser-Jenk. — Polypodiaceae

Taxon. Revis. Indian Subcontinental Pteridophytes: 62 (2008) — LAO ກຸດເລັບເຈັຍ





Z1279 (FOF0006374)

- **Specimens:** 196 m (Z1279), 315 m (Z28).
- **Distribution:** Laos, Myanmar, Thailand, Vietnam; India to Japan (Yaeyama Islands) & Malesia.
- **Notes:** lithophytic, 20 cm tall, common in lowland evergreen forest, on wet rocks in stream beds; stipe and costa abaxially scaly; lamina herbaceous; widely used as aquatic ornamental plant.

Microsorum punctatum (L.) Copel.

Polypodiaceae

Univ. Calif. Publ. Bot. 16: 111 (1929) — LAO ກຸດໃບລິ້ນໄມ້





Z149 (FOF0005321)

- **Specimens:** 405 m (Z149).
- **Distribution:** Cambodia, Laos, Myanmar, Thailand, Vietnam; tropical to subtropical Old World.
- **Notes:** epiphytic, 70 cm tall, common in lowland evergreen forest in semi-shaded areas; widely distributed; rhizome short-creeping; lamina leathery; sori round, superficial; widely cultivated as ornamental plants.

Phymatosorus membranifolius (R.Br.) S.G.Lu

Polypodiaceae

Guihaia 19: 27 (1999) — LAO ກຸດປ໊ນແກ້ບ





Z6 (FOF0007023)

- **Specimens:** 315 m (Z6).
- **Distribution:** Cambodia, Laos, Thailand, Vietnam; India to W & C Pacific.
- **Notes:** terrestrial or lithophytic, 60 cm tall, occasional in lowland evergreen forest, near streams in semi-shaded areas; lamina papery, veins distinct on both surfaces; widely cultivated as ornamental plant.

Pyrrosia flocculosa (D.Don) Ching

Polypodiaceae

Bull. Chin. Bot. Soc. 1: 66 (1935) — LAO ກຸດໃບດຽວ





Z1171 (KAG187573)

- **Specimens:** 285 m (Z1171).
- **Distribution:** Laos, Myanmar, Thailand, Vietnam; W Himalaya to S China.
- **Notes:** lithophytic or epiphytic, 30 cm tall, occasional in lowland evergreen forest; lamina base broadly cuneate to truncate, occasionally cordate, hydathodes distinct on adaxial surface; could be used as ornamental plant.

Pyrrosia stigmosa (Sw.) Ching

Polypodiaceae

Bull. Chin. Bot. Soc. 1: 67 (1935) — LAO ກຸດໃບດຽວຫາງໄກ່ງຸ້ມ





Z435 (KAG186870)

- **Specimens:** 475 m (Z435).
- **Distribution:** Cambodia, Laos, Myanmar, Thailand, Vietnam; Tibet to S China & Malesia.
- **Notes:** lithophytic or epiphytic, 40 cm tall, common in lowland evergreen forest on limestone karst; lamina base cuneate, hydathodes distinct on adaxial surface; could be used as ornamental plant.

Cycas simplicipinna (Smitinand) K.D.Hill

Cycadaceae

in P.Vorster (ed.), Proc. Third Internat. Conf. Cycad Biol.: 150 (1995) — LAO ป๋งหิอลา





Z156 (FOF0005328)

- **Specimens:** 405 m (Z156).
- **Distribution:** Laos, Myanmar, Thailand, Vietnam.
- **Notes:** plants usually acaulescent, rarely with stems up to 0.2 m tall, scattered in seasonal evergreen forest; easily recognized by its almost subterranean habit, sparse leaves at crown (up to 5), and linear leaflets.

Gnetum latifolium Blume

Gnetaceae

Tijdschr. Natuurl. Gesch. Physiol. 1: 162 (1834) — LAO ม่อยแดง





Z246 (KAG186702)

- **Specimens:** 515 m (Z246).
- **Distribution:** Cambodia, Laos, Myanmar, Thailand, Vietnam; Bangladesh to Malesia.
- **Notes:** woody climbers, common in evergreen forest, often along streams; all parts glabrous; stipule scars conspicuous at each node; leaf blades broad unlike most other gymnosperms.

Peperomia pellucida (L.) Kunth

Piperaceae

in F.W.H.von Humboldt, A.J.A.Bonpland & C.S.Kunth, Nov. Gen. Sp. 1: 64 (1816) — LAO ผักภาะสัง





Z456 (FOF0005605)

- **Specimens:** 331 m (Z456).
- **Distribution:** Native to tropical to subtropical America & Africa, introduced to tropical Asia & Australia.
- **Notes:** herbs, very common, often on rocks and trees; all parts juicy *in vivo*, becoming very thin *in sicco*, inflorescences solitary to branching spikes, fruits sticky.

Piper boehmeriifolium (Miq.) Wall. ex C.DC. var. **boehmeriifolium**

Piperaceae

in A.P.de Candolle, Prodr. 16(1): 348 (1869) — LAO เถือสะถ่าม





Z1141 (FOF0006253)

- **Specimens:** 348 m (Z633), 520 m (Z1141).
- **Distribution:** Cambodia, Laos, Myanmar, Thailand, Vietnam; Nepal to S China, W & C Malesia.
- **Notes:** small (sub)shrubs up to 2 m tall, common in evergreen forest; all parts more or less hairy; male inflorescences longer than female ones.

Piper laetispicum C.DC.

Piperaceae

Notul. Syst. (Paris) 3: 12 (1914) — LAO ແສດກ່ຽດ







Z1270 (FOF0006365)

- **Specimens:** 203 m (Z1270), 231 m (Z665), 550 m (Z729).
- **Distribution:** Laos, Thailand; S China.
- **Notes:** woody climbers, occasional at edge of seasonal evergreen forests; infructescences 10–17 cm long; fruit stipes 4–5 mm long, ripening orange or red.

Piper longum L.

Piperaceae

Sp. Pl.: 29 (1753) — LAO ອີໄລ້







Z194 (FOF0005363)

- **Specimens:** 365 m (Z194), 405 m (Z142).
- **Distribution:** Cambodia, Laos, Myanmar, Thailand, Vietnam; Bangladesh to S China.
- **Notes:** (creeping) perennial herbs, found in thickets along agricultural fields; inflorescences terminal or leaf-opposed, erect, with flowers arranged in dense clusters.

Piper thomsonii (C.DC.) Hook.f.

Piperaceae

Fl. Brit. India 5: 87 (1886) — LAO ເຄືອພຸທອມສັນ





Z666 (FOF0005797)

- **Specimens:** 231 m (Z666), 405 m (Z166).
- **Distribution:** Laos, Myanmar, Thailand, Vietnam; Sri Lanka, Tibet to S China.
- **Notes:** woody climbers, common in seasonal evergreen forests along streams; male and female inflorescences subequal; fruits dark green, sessile with connate bases.

Aristolochia acuminata Lam.

Aristolochiaceae

Encycl. 1: 254 (1783) — LAO ນົກເຢັດປາກມ້ວງ





Z931 (FOF0006052)

- **Specimens:** 640 m (Z931).
- **Distribution:** Cambodia, Laos, Myanmar, Thailand, Vietnam; India to Taiwan, Malesia & Australia.
- **Notes:** climbers in seasonal evergreen forest; widespread species recognizable by deeply cordate leaf bases, flowers in axillary lax racemes, and perianth dark purple hairy inside, with linear-oblong limbs.

Thottea tomentosa (Blume) Ding Hou

Aristolochiaceae

Blumea 27: 328 (1981) — LAO ຫຸໝີຂົນ





L269 (FOF0003163)

- **Specimens:** 238 m (L269).
- **Distribution:** Laos, Myanmar, Thailand, Vietnam; Bangladesh to C Malesia.
- **Notes:** undershrubs up to 20 cm tall; known in Laos only from single sterile specimen cited here, but clearly distinguished by its ovate to broadly ovate leaf blades with densely tomentose or villous lower surface; newly recorded in Laos based on our collection (Tagane *et al.* 2017).

Knema globularia (Lam.) Warb.

Myristicaceae

Nova Acta Acad. Caes. Leop.-Carol. German. Nat. Cur. 68: 601 (1897) — LAO ບາເລືອດ





Z247 (FOF0005410)

- **Specimens:** 515 m (Z247).
- **Distribution:** Cambodia, Laos, Myanmar, Thailand, Vietnam; E Himalaya & S China to W Malesia.
- **Notes:** trees, scattered in seasonal evergreen forest at moist mountain slopes; young branches tawny or black, pubescent with short stellate hairs.

Knema sp.

Myristicaceae

[in prep.] — LAO ເລືອດມ້ານ້ຳຫະດີງ





Z662 (FOF0007158)

- **Specimens:** 231 m (Z662), 620 m (Z1146).
- **Distribution:** endemic to Laos.
- **Notes:** small trees 2.5–3 m tall, found in seasonal evergreen forest along streams; undescribed species characterized by small leaves, fewer anthers per flower, and obovoid-ellipsoid fruits with acute apex.

Knema tenuinervia W.J.de Wilde

Myristicaceae

Blumea 25: 405 (1979) — LAO ມ່ອງເລືອດ





Z1412 (FOF0006506)

- **Specimens:** 256 m (Z1412), 515 m (Z257).
- **Distribution:** Laos, Myanmar, Thailand; Nepal to S China.
- **Notes:** trees up to 20 m tall, scattered in seasonal evergreen forest; young twigs densely tomentose with dendric hairs (0.5 mm long or more); characterized by its short, stout and sulcate petioles with distinct pulvini.

Myristica yunnanensis Y.H.Li — **Myristicaceae**

Acta Phytotax. Sin. 14(1): 94 (1976) — LAO ເລືອດນົກ





Z1160 (KAG187562)

- **Specimens:** 620 m (Z1160).
- **Distribution:** Laos, Thailand; S China.
- **Notes:** trees up to 30 m tall, found in evergreen forest along dry streams near limestone karst; easily recognized by gray-cinnamon lower leaf surface with dense scale-like hairs.

Dasymaschalon echinatum Jing Wang & R.M.K.Saunders — **Annonaceae**

Syst. Bot. 34: 258 (2009) — LAO ບຫຼ້ງແດງ





Z1285 (FOF0006380)

- **Specimens:** 185 m (L1134), 210 m (Z1285), 238 m (L237), 258 m (L1012).
- **Distribution:** Laos, Thailand.
- **Notes:** small trees 2–3 m tall, scattered in seasonal evergreen forest; tentatively identified as *Dasymaschalon echinatum*, endemic to Thailand, but different in having hairy young twigs and lower leaf surface, and longer petals (ca. 6 cm); further examination needed.

Desmos dinhensis (Pierre ex Finet & Gagnep.) Merr.

Annonaceae

Philipp. J. Sci., C 10: 235 (1915) — LAO ເຄືອໝາກຕົດຕໍ່





Z148 (FOF0005322)

- **Specimens:** 405 m (Z148).
- **Distribution:** Laos, Thailand, Vietnam.
- **Notes:** woody climbers, scattered in seasonal evergreen forest mixed with bamboo; twigs glabrous, lenticellate; fruits up to 8 monocarps with 1–3 seeds per each.

Fissistigma glaucescens (Hance) Merr.

Annonaceae

Philipp. J. Sci. 15: 132 (1919) — LAO ດອກເຕົ່າຫອງ





Z146 (FOF0005323)

- **Specimens:** 405 m (Z146), 515 m (Z236).
- **Distribution:** Laos, Thailand, Vietnam; S China, Hainan & Taiwan.
- **Notes:** woody climbers, scattered in seasonal evergreen forest mixed with bamboo; young twigs and inflorescences covered with dense brown hairs; easily recognized by its glaucous lower surface of leaf blades.

Monoon namkadingense Soulad. & Tagane

Annonaceae

Phytotaxa 336: 83 (2018) — LAO ພືພອນນ້ອຍນ້ຳກະດິງ





Z727 (KAG187149)

- **Specimens:** 258 m (L1005), 268 m (L1054), 288 m (L54), 459 m (L1097), 550 m (Z727), 620 m (Z1147).
- **Distribution:** endemic to Laos.
- **Notes:** trees up to 15 m tall, occasional in evergreen and seasonal evergreen forest. New species described based on our collection in NPA (Tagane *et al.* 2018); so far considered endemic to the area and its vicinity.

Neo-uvaria laosensis Tagane & Soulad.

Annonaceae

Phytotaxa 336: 85 (2018) — LAO ກະແຊງດິງນ້ຳກະດິງ





Z831 (FOF0005958)

- **Specimens:** 258 m (L406), 258 m (L981), 313 m (L287), 459 m (L1096), 536 m (Z831).
- **Distribution:** endemic to Laos.
- **Notes:** trees up to 10 m high, occasional in evergreen forest. New species described based on our collection in NPA (Tagane *et al.* 2018); so far considered endemic to the area and its vicinity.

Orophea polycarpa A.DC.

Annonaceae

Mém. Soc. Phys. Genève 5: 215 (1832) — LAO จักขับเฑือๆ





Z475 (FOF0005621)

- **Specimens:** 393 m (Z475), 539 m (L1078).
- **Distribution:** Cambodia, Laos, Myanmar, Thailand, Vietnam; Assam to S China & Malesia.
- **Notes:** trees up to 8 m tall, occasional in semi-evergreen forest, often on rocks of limestone karst; base of leaf blades weakly asymmetrical; monocarps globose.

Pseuduvaria rugosa (Blume) Merr.

Annonaceae

Philipp. J. Sci., C 10: 255 (1915) — LAO ภะถับๆสัๆยูถำ





L1055 (FOF0007145)

- **Specimens:** 268 m (L1055).
- **Distribution:** Laos, Myanmar, Thailand; Malesia.
- **Notes:** trees 10 m tall, found in evergreen forest at lower elevations; easily recognized by pedunculate fruits with globose, warty to rugose monocarps; newly recorded in Laos based on our collection (Tagane *et al.* 2017).

Uvaria littoralis (Blume) Blume

Annonaceae

Fl. Javae 21-22: 26 (1830) — LAO ກ້ວຍຈອນພອນ





Z215 (FOF0005380)

- **Specimens:** 434 m (Z215).
- **Distribution:** Cambodia, Laos, Myanmar, Thailand, Vietnam; tropical Asia.
- **Notes:** woody climbers, locally found at edges of seasonal evergreen forest mixed with bamboo; characterized by densely hairy young shoots and ovate to obovate, coriaceous leaves with subcordate bases.

Illigera celebica Miq.

Hernandiaceae

Ann. Mus. Bot. Lugduno-Batavi 2: 215 (1866) — LAO ເຄືອເຂົ້າກາດດອກນ້ອຍ





Z1406 (FOF0006500)

- **Specimens:** 256 m (Z1406).
- **Distribution:** Cambodia, Laos, Thailand, Vietnam; S China & Malesia.
- **Notes:** climbers, occasional in seasonal evergreen forest; distinguished by subglobose flower buds, incurved stamens in young flowers, dilated filament bases, and absence of interstaminal glands.

Illigera rhodantha Hance

Hernandiaceae

J. Bot. 21: 321 (1883) — LAO ເຄືອເຂົ້າໜາດ





Z719 (FOF0005850)

- **Specimens:** 550 m (Z719).
- **Distribution:** Cambodia, Laos, Thailand, Vietnam; S China.
- **Notes:** climbers, occasional in seasonal evergreen forest; inflorescences lax panicle; flower buds ovoid to obovoid; outer tepals 7–10 mm, slightly longer than inner; stamens straight in young flowers.

Litsea cubeba (Lour.) Pers.

Lauraceae

Syn. Pl. 2: 4 (1806) — LAO ຈັນຫອມມົ່ນ





Z888 (FOF0006011)

- **Specimens:** 338 m (L291), 490 m (Z372), 621 m (Z888).
- **Distribution:** Cambodia, Laos, Myanmar, Thailand, Vietnam; Tibet to Japan & W Malesia.
- **Notes:** shrubs or small trees up to 15 m tall, scattered along sunny edges of evergreen and seasonal evergreen forest; all parts, especially leaves and fruits, strongly aromatic.

Litsea phuwuaensis Ngerns.

Lauraceae

Thai Forest Bull., Bot. 32: 110 (2004) — LAO ບົງມໍ





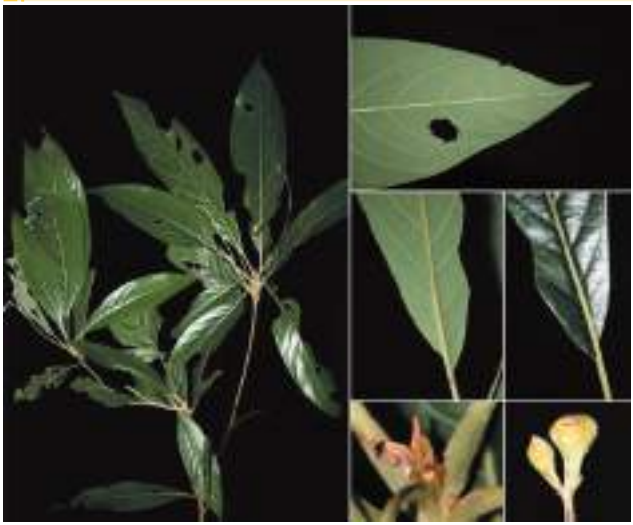
Z1274 (FOF0006369)

- **Specimens:** 185 m (L1152), 196 m (Z1274), 268 m (L333).
- **Distribution:** Laos, Thailand.
- **Notes:** shrubs up to 2.5 m tall, scattered in seasonal evergreen and mixed deciduous forests; young branches and leaves densely villous; newly recorded in Laos based on our collections (Tagane *et al.* 2017).

Phoebe lanceolata (Nees) Nees

Lauraceae

Syst. Laur.: 109 (1836) — LAO ພາຍເລັ້ນ





Z695 (FOF0005826)

- **Specimens:** 550 m (Z695).
- **Distribution:** Cambodia, Laos, Myanmar, Thailand, Vietnam; India to S China & Malesia.
- **Notes:** trees up to 15 m tall, scattered in seasonal evergreen forest; small yellowish flowers in panicles at axils near stem apices; fruits ellipsoid drupes, seated in persistent, cup-shaped perianth.

Chloranthus officinalis Blume

Chloranthaceae

Enum. Pl. Javae: 79 (1827) — LAO ກະດຸກກົບ





L1058 (FOF0009995)

- **Specimens:** 539 m (L1058).
- **Distribution:** Cambodia, Laos, Myanmar, Thailand, Vietnam; Nepal to S China & Malesia.
- **Notes:** subshrubs, found in edge of evergreen forest; easily recognized by its decussate leaves (not clustered at stem apex) with acuminate apices.

Amorphophallus laoticus Hett.

Araceae

Aroideana 29: 62 (2006) — LAO ກະບຸກ





Z599 (FOF0005736)

- **Specimens:** 459 m (Z599).
- **Distribution:** endemic to Laos.
- **Notes:** tuberous herbs, found at open edge of evergreen forest; inflorescences solitary, spathe broadly triangular, spadix longer than spathe, upper portion of spadix with scattered hair-like staminodes.

Pothos chinensis (Raf.) Merr.

Araceae

J. Arnold Arbor. 29: 210 (1948) — LAO ຫວາຍຕະນອຍ





Z852 (KAG187266)

- **Specimens:** 537 m (Z852).
- **Distribution:** Cambodia, Laos, Myanmar, Thailand, Vietnam; W Himalaya to Japan (Daito Islands).
- **Notes:** root-climbing liana on rocks and trees, scattered in evergreen forest; characterized by green spathe, short stipe of spadix (up to 10 mm), and globose to ovoid fertile portion of spadix.

Pothos kerrii Buchet ex P.C.Boyce

Araceae

Blumea 45: 168 (2000) — LAO ພູຊ້າງ





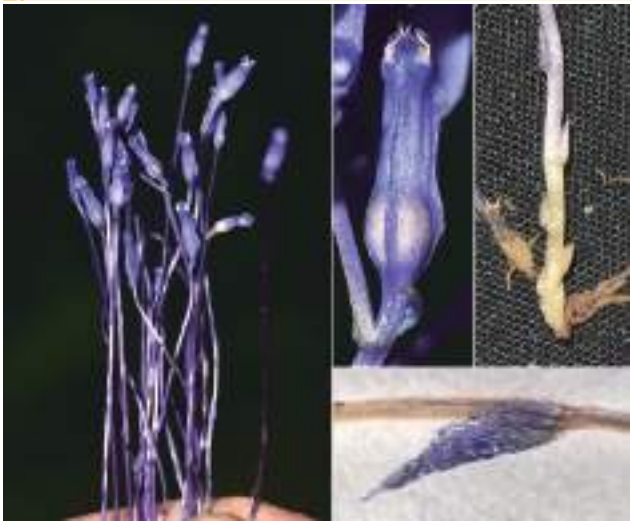
Z843 (FOF0005970)

- **Specimens:** 537 m (Z843).
- **Distribution:** Laos, Vietnam; S China.
- **Notes:** root-climbing liana, occasional in evergreen forest; spathe purple to maroon; fertile portion of spadix globose, 3–4 mm diam., yellow; differs from typical *Pothos kerrii* in its short peduncles (to 2 cm), and short spadix stipes (to 1 cm).

Burmannia wallichii (Miers) Hook.f.

Burmanniaceae

Fl. Brit. India 5: 666 (1888) — LAO ຫຍ້າເຂົ້າຫ້ຳ, ໝາຍນາ





Z205 (FOF0005370)

- **Specimens:** 427 m (Z205).
- **Distribution:** Cambodia, Myanmar, Thailand, Vietnam; India to S China & Peninsular Malaysia.
- **Notes:** small leafless herbes found in seasonal evergreen forest mixed with bamboo; stems slender, purple; inflorescences bearing 1–2-flowers, perianth wings narrow or reduced to ribs.

Thismia angustimitra Chantanaorr.

Thismiaceae

Blumea 53: 524 (2008) — LAO ດອກໂຄມໄຟນິກຈິບ





Z80 (Field photo)

- **Specimens:** 335 m (Z80).
- **Distribution:** Laos, Thailand.
- **Notes:** annual achlorophyllous herbs, found in seasonal evergreen forest mixed with bamboo; previously known only from Thailand, newly recorded in Laos based on our collection (Phonepaseuth *et al.* 2024).

Thismia javanica J.J.Sm.

Thismiaceae

Ann. Jard. Bot. Buitenzorg 23: 32 (1910) — LAO ดอกโถมไฟเขาหอๆ





Z59 (Field photo)

- **Specimens:** 329 m (Z59), 335 m (Z81).
- **Distribution:** Laos, Thailand, Vietnam; W Malesia.
- **Notes:** annual achlorophyllous herbs, scattered in seasonal evergreen forest mixed with bamboo, near rivers and streams; newly recorded in Laos based on our collections (Phonepaseuth *et al.* 2024).

Smilax corbularia Kunth

Smilacaceae

Enum. Pl. 5: 262 (1850) — LAO เข้าเยียเหมือ





Z217 (FOF0005382)

- **Specimens:** 434 m (Z217).
- **Distribution:** Cambodia, Laos, Myanmar, Thailand, Vietnam; S China to W Malesia.
- **Notes:** unarmed climbers, found at edge of seasonal evergreen forest mixed with bamboo; characterized by coriaceous leaf blades with glaucous abaxial surface; specimen with flower buds collected in September.

Dendrobium chrysotoxum Lindl.

Orchidaceae

Edwards's Bot. Reg. 33: t. 19 (1847) — LAO ເອື້ອງຄຳ





Z1174 (FOF0006280)

- **Specimens:** 285 m (Z1174).
- **Distribution:** Cambodia, Laos, Myanmar, Thailand, Vietnam; Bangladesh to S China.
- **Notes:** pseudobulbous epiphytes, occasional in evergreen forest; subterminal inflorescences laxly many flowered; cultivated as ornamentals under names "golden-bow dendrobium" or "fried-egg orchid".

Epipogium roseum (D.Don) Lindl.

Orchidaceae

J. Proc. Linn. Soc., Bot. 1: 177 (1857) — LAO ກ້ອຍປອກ





Z1159 (FOF0006269)

- **Specimens:** 520 m (Z1159).
- **Distribution:** Laos, Myanmar, Thailand, Vietnam; tropical to subtropical Old World.
- **Notes:** holomycotrophic rhizomatous geophyte, found in evergreen forest; rhizomes tuberous; stem with scattered sheaths; labellum white with purple dots.

Habenaria medioflexa Turrill

Orchidaceae

Bull. Misc. Inform. Kew 1923: 118 (1923) — LAO ขาอ้ามขางอิ้อ





Z519 (FOF0005661)

- **Specimens:** 331 m (Z519).
- **Distribution:** Laos, Thailand, Vietnam; S China & Peninsular Malaysia.
- **Notes:** tuberous geophytes, 30 cm tall, scattered in evergreen forest and semi-evergreen forest mixed with bamboo; characterized by white labellum with laciniate side lobes, and long spurs over 3 cm long.

Habenaria rhodocheila Hance

Orchidaceae

Ann. Sci. Nat., Bot., sér. 5, 5: 243 (1866) — LAO เอื้องขางอิ้อปาภาสะหาม





Z27 (FOF0005221)

- **Specimens:** 315 m (Z27).
- **Distribution:** Cambodia, Laos, Myanmar, Thailand, Vietnam; Assam to S China, Peninsular Malaysia & Philippines.
- **Notes:** tuberous geophytes or lithophytes, scattered in seasonal evergreen forest mixed with bamboo, often on rocks along streams; characterized by orange to red flowers and bilobed mid-lobe of lip.

Phalaenopsis deliciosa Rchb.f.

Orchidaceae

Bonplandia (Hannover) 2: 93 (1854) — LAO ເອື້ອງເຂົ້າຫວາງ





Z13 (FOF0005210)

- **Specimens:** 315 m (Z13).
- **Distribution:** Cambodia, Laos, Myanmar, Thailand, Vietnam; India to S China & Malesia.
- **Notes:** epiphytes or lithophytes, found in seasonal evergreen forest mixed with bamboo; easily recognized by undulate margin of leaf blades; flowers white with purple spots.

Podochilus cultratus Lindl.

Orchidaceae

Gen. Sp. Orchid. Pl.: 234 (1833) — LAO ເອື້ອງຫາງຝຍ





Z612 (FOF0005749)

- **Specimens:** 459 m (Z612).
- **Distribution:** Laos, Myanmar, Thailand, Vietnam; Nepal, E Himalaya & Assam.
- **Notes:** epiphytes, found in seasonal evergreen forest; easily distinguished from other *Podochilus* species in Laos by leaves densely covering stems; newly recorded in Laos.

Dracaena angustifolia (Medik.) Roxb.

Asparagaceae

Hort. Bengal.: 24 (1814) — LAO ຄອນແຄນ





Z329 (FOF0005489)

- **Specimens:** 515 m (Z329).
- **Distribution:** Cambodia, Laos, Myanmar, Thailand, Vietnam; Assam to S China, Malesia & Australia.
- **Notes:** plants shrubby, rhizomatous, up to 3 m tall, occasional in evergreen and seasonal evergreen forests; leaves spaced along upper stems due to elongated internodes; blades linear-oblanceolate.

Dracaena elliptica Thunb. & Dalm.

Asparagaceae

Dracaena: 6 (1808) — LAO ເກັດເຕົ່າ





Z1164 (FOF0006272)

- **Specimens:** 185 m (L1145), 515 m (Z328), 602 m (Z1164).
- **Distribution:** Cambodia, Laos, Myanmar, Thailand, Vietnam; India to S China & W Malesia.
- **Notes:** plants shrubby, up to 4 m tall, occasional in evergreen forest; leaves spirally arranged, distinctly petiolate; flowers greenish-white to greenish-yellow.

Arenga caudata (Lour.) H.E.Moore

Arecaceae

Principes 4: 114 (1960) — LAO ตาอร้าๆ





Z65 (FOF0005246)

- **Specimens:** 329 m (Z65).
- **Distribution:** Cambodia, Laos, Myanmar, Thailand, Vietnam; S China & Peninsular Malesia.
- **Notes:** palms up to 2 m tall, occasional in evergreen and seasonal evergreen forests; epithet "*caudata*" refers to pinnae with elongate apices; fruits globose to subglobose, ca. 1 cm in diam., red when mature.

Aetheolirion stenolobium Forman

Commelinaceae

Kew Bull. 16: 209 (1962) — LAO ภาบเถือ





Z482 (FOF0005627)

- **Specimens:** 393 m (Z482).
- **Distribution:** Laos, Thailand.
- **Notes:** twining herbs, scattered on limestone karst. Kongxaisavath *et al.* (2023) reported its occurrence in Central Laos based on the specimen *Tagane et al. Z188*. However, the citation number was incorrect; the correct number is *Tagane et al. Z482* (FOF0005627, KAG186916, VNM), not *Z188*.

Amischotolype divaricata Duist.

Commelinaceae

Gard. Bull. Singapore 64: 63 (2012) — LAO ເອື້ອງນ້ຳ





Z584 (FOF0005723)

- **Specimens:** 387 m (Z130), 469 m (Z584), 606 m (Z882).
- **Distribution:** Cambodia, Laos, Myanmar, Thailand, Vietnam; Sumatera.
- **Notes:** perennial herbs, occasional in seasonal evergreen and secondary semi-evergreen forests; recognized by annular hairs at base of leaf sheaths and submarginal hairs on adaxial leaf surface.

Commelina suffruticosa Blume

Commelinaceae

Catalogus: 35 (1823) — LAO ຫຍ້າຫາບຂາວ





Z1405 (FOF0006499)

- **Specimens:** 256 m (Z1405).
- **Distribution:** Laos, Myanmar, Thailand; India to W Malesia.
- **Notes:** perennial herbs, found in seasonal evergreen forests mixed with bamboo; involucral bracts opposite to leaves, broadly cordate when open; inflorescences in cincinni of 4–5 white flowers.

Cyanotis ciliata (Blume) Bakh.f.

Commelinaceae

in C.A.Backer, Bekn. Fl. Java 10a(211): 6 (1949) — LAO ຫຍ້າຫາບຂົ້ນ





Z562 (FOF0005701)

- **Specimens:** 318 m (Z562).
- **Distribution:** Cambodia, Laos, Myanmar, Thailand, Vietnam; E Himalaya to Taiwan, Malesia & Vanuatu.
- **Notes:** herbs, found at edges of semi-evergreen forest; involucral bracts leaf-like (not spathe-like), and petals free (not connate at base into corolla tube) unlike in most other *Cyanotis* species, thus sometimes placed in separate genus *Belosynapsis* in some literature.

Cyanotis cristata (L.) D.Don

Commelinaceae

Prodr. Fl. Nepal.: 46 (1825) — LAO ຫຍ້າຫາບນາ





Z460 (FOF0005609)

- **Specimens:** 331 m (Z460).
- **Distribution:** Cambodia, Laos, Myanmar, Thailand, Vietnam; NE tropical Africa, Pakistan to S China & Malesia.
- **Notes:** creeping herbs, found at edges of semi-evergreen forest; leaves turn from green to reddish purple under sunlight; commonly cultivated as ornamentals.

Dictyospermum conspicuum (Blume) J.K.Morton

Commelinaceae

J. Linn. Soc., Bot. 59: 436 (1966) — LAO ภาขดอภ





Z620 (FOF0005754)

- **Specimens:** 338 m (Z620).
- **Distribution:** Laos, Myanmar, Thailand, Vietnam; Assam to Hainan & W Malesia.
- **Notes:** perennial herbs, to 30 cm tall, scattered in dry evergreen forest on limestone karst, often lithophytic on rocks; flowering in September, fruiting in November.

Floscopa scandens Lour.

Commelinaceae

Fl. Cochinch.: 193 (1790) — LAO ຫຍ້າภาข





L142 (FOF0009960)

- **Specimens:** 238 m (L142), 427 m (Z594).
- **Distribution:** Cambodia, Laos, Myanmar, Thailand, Vietnam; India to Taiwan, W & C Malesia, Australia.
- **Notes:** perennial herbs, found in seasonal evergreen forest; distinguished by densely glandular-hairy inflorescences and 2-locular capsules; used as food, medicine, and animal feed in Laos (Sengthong *et al.* 2024).

Pollia secundiflora (Blume) Bakh.f.

Commelinaceae

in C.A.Backer, Bekn. Fl. Java 211: 10 (1949) — LAO ຫຍ້າໜາບໃຫຍ່





Z580 (FOF0005719)

- **Specimens:** 469 m (Z580).
- **Distribution:** Cambodia, Laos, Myanmar, Thailand, Vietnam; India to Japan (Yaeyama Islands), Malesia & W Pacific.
- **Notes:** perennial herbs, found at edges of seasonal evergreen forest mixed with bamboo; characterized by large, branched inflorescences over 8 cm, with several nodes on each branch, and three fertile stamens.

Pollia thyrsiflora (Blume) Steud.

Commelinaceae

Nomencl. Bot., ed. 2, 2: 368 (1841) — LAO ເອື້ອງນາ





Z736 (FOF0005867)

- **Specimens:** 256 m (Z1407), 285 m (Z1112), 550 m (Z736).
- **Distribution:** Laos, Thailand, Vietnam; W Himalaya to S China, W & C Malesia.
- **Notes:** perennial herbs, occasional in evergreen and mixed deciduous forests; leaf blades oblong to narrowly elliptic, ca. 20–40 cm; inflorescence shorter than leaves, peduncle absent; fruit dark purple.

Musa itinerans Cheesman

Musaceae

Kew Bull. 4: 23 (1949) — LAO ກ້ວຍຫິນ





Z970 (KAG187379)

- **Specimens:** 621 m (Z970).
- **Distribution:** Laos, Myanmar, Thailand, Vietnam; Bangladesh to Taiwan.
- **Notes:** tree-like perennial herbs 3–4 m tall, found in semi-evergreen forest; bracts of male flowers dark reddish purple abaxially, often bearing longitudinal yellow stripes, with yellow margins; berries 15–18 per cluster, ovoid-cylindric, base gradually narrowed into stalk 3–3.5 cm.

Hellenia speciosa (J.Koenig) S.R.Dutta

Costaceae

Pleione 7: 228 (2013) — LAO ເອື້ອງໝາຍນາ





Z1173 (FOF0006279)

- **Specimens:** 285 m (Z1173).
- **Distribution:** Cambodia, Laos, Myanmar, Thailand, Vietnam; tropical & subtropical Asia to Australia.
- **Notes:** rhizomatous perennial herbs 1–2 m tall, scattered at edges and in evergreen forest; stems slightly woody at base, apex branched and spirally twisted when old.

Alpinia mutica Roxb.

Zingiberaceae

Asiat. Res. 11: 354 (1810) — LAO ຂ່າປ້ຳດອກສີ້ມ





Z635 (KAG187061)

- **Specimens:** 348 m (Z635).
- **Distribution:** Laos, Myanmar, Thailand, Vietnam; India to Malesia.
- **Notes:** perennial herbs, to 2 m tall, occasional on evergreen forest margins; leaves pubescent near base of midrib abaxially; fruits spherical, to 2 cm in diam., pubescent, with persistent calyx.

Caulokaempferia saxicola K.Larsen

Zingiberaceae

Bot. Tidsskr. 60: 171 (1964) — LAO ຫວ້ານເຕົ້າ





Z3 (FOF0005201)

- **Specimens:** 315 m (Z3).
- **Distribution:** Laos, Thailand.
- **Notes:** perennial herbs, lithophytic, 20 cm tall, occasional in evergreen forest, on shaded rocks by streams; inflorescence terminal, with 1–3 yellow flowers.

Wurfbainia glabrifolia (Lamxay & M.F.Newman) Škorničk. & A.D.Poulsen

Taxon 67: 29 (2018) — LAO ແໜ່ງແດງ

Zingiberaceae





Z1340 (FOF0006436)

- **Specimens:** 203 m (Z1340).
- **Distribution:** endemic to Laos.
- **Notes:** perennial herbs, 1.2 m tall, occasional in seasonal evergreen forest on limestone; leaves ca. 16 per pseudostem, long-caudate at apex; inflorescence arising away from mature pseudostems; fruits sparsely prickly; type (*V. Lamxay VL2121,* NLS-holo, E-iso) from Khammouane Province, Laos.

Wurfbainia uliginosa (J.Koenig) Giseke

Zingiberaceae

Prael. Ord. Nat. Pl.: 199 (1792) — LAO ແໜ່ງຂຽວ





Z1349 (KAG187950)

- **Specimens:** 203 m (Z1349).
- **Distribution:** Cambodia, Laos, Myanmar, Thailand, Vietnam; W Malesia.
- **Notes:** perennial herbs, 3 m tall, common in evergreen and seasonal evergreen forests along streams; leaves 40–45 per pseudostem; inflorescences arising ca. 5–10 cm from pseudostem; fruits prickly; collected for sale or medicinal use.

Zingiber montanum (J.Koenig) Link ex A.Dietr. — Zingiberaceae

Sp. Pl., ed. 6. 1: 52 (1831) — LAO ຂิงป่าดิน





Z954 (KAG187364)

- **Specimens:** 709 m (Z954).
- **Distribution:** Cambodia, Laos, Thailand, Vietnam; S China.
- **Notes:** perennial terrestrial herbs, to 2 m tall, occasional along evergreen forest margins and in disturbed areas; inflorescences radical, on leafless peduncles, fusiform to ovoid, up to 10 cm long; labellum cream, mottled with purple.

Carex baccans Nees — Cyperaceae

in R.Wight, Contr. Bot. India: 122 (1834) — LAO ຫຍ้าถ้ิมปาอ





Z919 (KAG187331)

- **Specimens:** 643 m (Z919).
- **Distribution:** Cambodia, Laos, Myanmar, Thailand, Vietnam; India to Taiwan & Malesia.
- **Notes:** perennial herbs, 100 cm tall or more, occasional on evergreen forest margins; leaf blades 8–12 mm wide; easily recognized by its bright red utricles.

Carex breviscapa C.B.Clarke

Cyperaceae

in J.D.Hooker, Fl. Brit. India 6: 736 (1894) — LAO ຫຍ້າຄົມບາງ





Z956 (FOF0006073)

- **Specimens:** 709 m (Z956).
- **Distribution:** Laos, Thailand, Vietnam; Sri Lanka, E Asia to Australia.
- **Notes:** perennial herbs, 20 cm tall, common in evergreen forest; leaf blades 4–7 mm wide, inflorescence shortly pedunculate, much shorter than leaves.

Hypolytrum nemorum (Vahl) Spreng.

Cyperaceae

Fl. Oware 2: 13 (1810) — LAO ຜ້ວຫາງມ້າ





Z893 (FOF0006016)

- **Specimens:** 235 m (Z689), 621 m (Z893).
- **Distribution:** Cambodia, Laos, Myanmar, Thailand, Vietnam; India to Taiwan, Malesia & W Pacific.
- **Notes:** perennial herbs, 60 cm tall, fairly common in evergreen and seasonal evergreen forest; inflorescences paniculate with many spikes.

Clematis zeylanica (L.) Poir.

Ranunculaceae

in J.B.A.M.de Lamarck, Encycl., Suppl. 2: 296 (1811) — LAO ພວງແກ້ວ





Z1111 (FOF0006223)

- **Specimens:** 285 m (Z1111).
- **Distribution:** Laos, Myanmar, Thailand, Vietnam; India to S China.
- **Notes:** climbers, scattered on evergreen forest margins; leaves 2-foliolate, with leaflet at branch ends transformed into a 3-fid, hooked tendril; sepals hairy; petals 14, linear to spoon-shaped, greenish-yellow.

Sabia limoniacea Wall. ex Hook.f. & Thomson

Sabiaceae

Fl. Ind. 1: 210 (1855) — LAO ໝາກຍົມເຄືອໃບກ້ຽງ





Z944 (FOF0006061)

- **Specimens:** 709 m (Z944).
- **Distribution:** Cambodia, Laos, Myanmar, Thailand, Vietnam; India to S China & W Malesia.
- **Notes:** woody climbers, scattered on evergreen forest margins, thickets; all part glabrous; leaf blades ovate-elliptic to oblong; flowers small, ca. 3 mm in diam.; fruits flattened globose, red to blue.

Helicia vestita W.W.Sm. — Proteaceae

Notes Roy. Bot. Gard. Edinburgh 10: 181 (1918) — LAO ໝ້ອດຂົນແດງ





Z325 (FOF0005485)

- **Specimens:** 515 m (Z325).
- **Distribution:** Cambodia, Laos, Thailand; Tibet to S China.
- **Notes:** trees, 10 m tall, scattered in evergreen forest; young twigs and lower leaf surface densely covered with ferruginous tomentose hairs; leaf blades broadly obovate when sapling, becoming narrowly obovate-elliptic when adult.

Causonis timoriensis (DC.) L.M.Lu & V.C.Dang var. **mekongensis** (C.Y.Wu ex W.T.Wang) G.Parmar & L.M.Lu — Vitaceae

Taxon 70: 1214 (2021) — LAO ເຄືອກົ້ນບົດ





Z507 (FOF0005649)

- **Specimens:** 321 m (Z507).
- **Distribution:** Laos; S China.
- **Notes:** herbaceous climbers, scattered in roadside thickets or secondary forest margins; leaves trifoliolate; leaflets oblong, ovate or ovate-rhombic with obtuse teeth; newly recorded in Laos based on our collection (Kongxaisavath *et al.* 2023).

Cissus assamica (M.A.Lawson) Craib

Vitaceae

Bull. Misc. Inform. Kew 1911: 31 (1911) — LAO ເຄືອເຂົ້າປຸ່ນ





Z693 (FOF0005824)

- **Specimens:** 235 m (Z693), 238 m (L137), 416 m (Z377).
- **Distribution:** Cambodia, Laos, Myanmar, Thailand, Vietnam; India to Taiwan, W & C Malesia.
- **Notes:** woody climbers, common in disturbed areas, seasonal evergreen forest margins; twigs covered with T-shaped hairs; leaf blades cordate, covered with T-shaped hairs on both surfaces; peduncle to 2 cm long, hairy.

Cissus hastata Miq.

Vitaceae

Fl. Ned. Ind., Eerste Bijv.: 517 (1861) — LAO ຄ້ຳແດງ





Z91 (FOF0005274)

- **Specimens:** 406 m (Z91).
- **Distribution:** Laos, Thailand, Vietnam; Bangladesh, Malesia & Australia.
- **Notes:** herbaceous climbers, occasional in open disturbed areas, forest margins; leaf blades cordate at base, glabrous on both surfaces; peduncle to 3 cm long, glabrous.

Cissus nodosa Blume

Vitaceae

Catalogus: 39 (1823) — LAO ต้าๆไฮ่า





Z648 (FOF0005780)

- **Specimens:** 228 m (L27), 231 m (Z648), 313 m (L285), 427 m (Z586).
- **Distribution:** Cambodia, Laos, Myanmar, Thailand, Vietnam; S China to W & C Malesia.
- **Notes:** subwoody climbers, occasional to common on evergreen and seasonal evergreen forest margins, streamside; twigs and leaves glabrous; leaf blades ovate to elliptic, rounded at base; peduncle to 1.5 cm long, glabrous.

Nekemias cantoniensis (Hook. & Arn.) J.Wen & Z.L.Nie

Vitaceae

PhytoKeys 42: 13 (2014) — LAO ເຄືອເຂົ້າປຸ່ນຫ້ອງໃບໂຕ່ນ





Z126 (FOF0005306)

- **Specimens:** 387 m (Z126).
- **Distribution:** Cambodia, Laos, Thailand, Vietnam; Tibet to Japan & E Malesia.
- **Notes:** woody climbers, scattered on evergreen forest margins; easily distinguished by its imparipinnate or bipinnate leaves and its leaflets dentate along margin, glaucous abaxially; the photo of fl. from PHP (*Tagane et al. Z1819*).

Tetrastigma eberhardtii Gagnep.

Vitaceae

Bull. Soc. Bot. France 111: 33 (1944) — LAO ເຄືອຫຸ້ມ





Z1170 (FOF0006277)

- **Specimens:** 602 m (Z1170).
- **Distribution:** Laos, Vietnam.
- **Notes:** woody climbers, scattered on evergreen forest margins; leaves pedately 5-foliolate or 3-foliolate; leaflet chartaceous, hairy; peduncle to 2.5 cm long.

Adenanthera pavonina L.

Fabaceae

Sp. Pl.: 384 (1753) — LAO ໝາກລໍ່າ





L389 (FOF0003237)

- **Specimens:** 268 m (L389).
- **Distribution:** Cambodia, Laos, Myanmar, Thailand, Vietnam; tropical Asia to Australia.
- **Notes:** trees, common on seasonal evergreen forest margins; leaves bipinnate, without glands; leaflets elliptic to ovate-elliptic, 2–3 cm long, chartaceous, glabrous.

Adinobotrys atropurpureus (Wall.) Dunn — **Fabaceae**

Bull. Misc. Inform. Kew 1911: 197 (1911) — LAO ແต้ถ่าขี้ ໝู





Z901 (FOF0006022)

- **Specimens:** 228 m (L31), 272 m (L1044), 515 m (Z296), 621 m (Z901).
- **Distribution:** Cambodia, Laos, Myanmar, Thailand, Vietnam; W Malesia.
- **Notes:** evergreen trees, 15 m tall; common in seasonal evergreen forest; leaves imparipinnate; leaflets 7–11, elliptic to elliptic-oblong, glabrous, glossy; inflorescences arise on terminal branches, with many purple flowers.

Albizia corniculata (Lour.) Druce — **Fabaceae**

Rep. Bot. Soc. Exch. Club Brit. Isles 4: 603 (1916 publ. 1917) — LAO ເຄືອຫ້ັນ





Z60 (FOF0005242)

- **Specimens:** 329 m (Z60).
- **Distribution:** Cambodia, Laos, Myanmar, Thailand, Vietnam; S China, Philippines & Borneo.
- **Notes:** trees, usually scandent, sometimes erect, scattered in secondary forest, by streams in seasonal evergreen forest; leaves bipinnate, with glands on petioles; leaflets 2–3 cm long, chartaceous; fruits 13–18 cm long, flat, glabrous.

Cheniella glauca (Benth.) R.Clark & Mackinder

Fabaceae

Eur. J. Taxon. 360: 24 (2017) — LAO ສົ້ມສ້ຽວ





L984 (FOF0009971)

- **Specimens:** 258 m (L984).
- **Distribution:** Cambodia, Laos, Myanmar, Thailand, Vietnam; Bangladesh to E Asia & W Malesia.
- **Notes:** woody climbers, occasional on seasonal evergreen forest margins, roadside thickets; twigs pubescent when young, soon glabrous; leaves bifid to 1/6, apex or lobe rounded, glabrous on upper surface; fertile stamens 3.

Cheniella lakhonensis (Gagnep.) R.Clark & Mackinder

Fabaceae

Eur. J. Taxon. 360: 20 (2017) — LAO ສ້ຽວເຄືອ





Z967 (FOF0006084)

- **Specimens:** 215 m (L1), 406 m (Z90), 621 m (Z898), 621 m (Z967).
- **Distribution:** Laos, Thailand, Vietnam.
- **Notes:** woody climbers, occasional on seasonal evergreen forest margins, roadside thickets; twigs and leaves densely covered with brown hairs; leaves bifid to 1/2, apex or lobe rounded; fertile stamens 3.

Dalbergia rimosa Roxb.

Fabaceae

Fl. Ind., ed. 1832. 3: 233 (1832) — LAO ເຖືອປະດົ່ງຂໍ





Z905 (FOF0006025)

- **Specimens:** 621 m (Z905).
- **Distribution:** Cambodia, Laos, Myanmar, Thailand, Vietnam; Bangladesh to S China, W & C Malesia.
- **Notes:** woody climbers, common on seasonal evergreen forest margins, thickets; leaflets 5–9, blades glabrous, glossy, with finely prominent veinlets adaxially, sparsely hairy abaxially.

Flemingia strobilifera (L.) W.T.Aiton

Fabaceae

Hortus Kew. 4: 350 (1812) — LAO ຜັດລົ່ນຄວາຍ





Z910 (FOF0006030)

- **Specimens:** 280 m (Z1188), 621 m (Z910).
- **Distribution:** Cambodia, Laos, Myanmar, Thailand, Vietnam; tropical & subtropical Asia.
- **Notes:** shrubs, to 1.5 m tall, common in disturbed areas, roadside thickets, near agricultural land; leaves 1-foliolate; leaflets ovate, apex acute, base shallowly cordate; flowers and fruits enclosed by orbicular leafy bracts.

Huchimingia podocarpa (Dunn) Z.Q.Song

Fabaceae

Phytotaxa 532: 49 (2022) — LAO ຄຳພີ້ ໃບຍາວ





Z1180 (FOF0006286)

- **Specimens:** 238 m (L197), 272 m (L1045), 280 m (Z1180), 315 m (Z21), 550 m (Z705), 621 m (Z902).
- **Distribution:** Laos, Myanmar, Thailand, Vietnam.
- **Notes:** woody climbers, 10 m tall, locally common along evergreen forest margins, also in limestone areas; leaflets 5–7, opposite, lanceolate to elliptic, glossy, tertiary veins finely reticulate and prominent on both surfaces when dry.

Indigofera zollingeriana Miq.

Fabaceae

Fl. Ned. Ind. 1(1): 310 (1855) — LAO ຄາມຫຼວງ





Z198 (FOF0005367)

- **Specimens:** 256 m (Z1404), 365 m (Z198).
- **Distribution:** Cambodia, Laos, Thailand, Vietnam; Bangladesh to Japan (Yaeyama Islands), W & C Malesia.
- **Notes:** trees, 4 m tall, scattered in open thickets, agricultural land, near streams; leaves imparipinnate; leaflets 17–23, elliptic, 5–7 cm long; inflorescence axillary, racemose, 10–20 cm long; flowers pinkish to purplish.

Millettia pachyloba Drake

Fabaceae

J. Bot. (Morot) 5: 187 (1891) — LAO ກະແມບອ້າຍ





L2099 (KAG128199)

- **Specimens:** 185 m (L1161).
- **Distribution:** Cambodia, Laos, Thailand, Vietnam; S China.
- **Notes:** woody climbers, common along evergreen forest margins, roadside thickets, and near agricultural land; branches, petioles, and lower surface of leaflets densely yellowish-brown hairy; leaflets rounded at base, apex acute to obtuse; specimen image from Bolaven Plateau.

Mucuna interrupta Gagnep.

Fabaceae

Notul. Syst. (Paris) 3: 26 (1914) — LAO ຕຳແຍດົງ





L281 (FOF0003176)

- **Specimens:** 291 m (L281).
- **Distribution:** Cambodia, Laos, Myanmar, Thailand, Vietnam; E Himalaya to S China.
- **Notes:** woody climbers, scattered on seasonal evergreen forest margins; leaves trifoliate, glabrous to sparsely pubescent; fruits ca 12 cm long, densely covered with irritating hairs, which making handling the plant difficult.

Phanera ornata (Kurz) Thoth. var. **kerrii** (Gagnep.) Bandyop., Ghoshal & M.K.Pathak

Bangladesh J. Pl. Taxon. 19: 59 (2012) — LAO ສ້ຽວເຄືອໜ່ວຍ **Fabaceae**





Z897 (KAG187309)

- **Specimens:** 621 m (Z897).
- **Distribution:** Laos, Myanmar, Thailand, Vietnam; Bangladesh to S China.
- **Notes:** woody climbers with tendrils, common on seasonal evergreen forest margins, by streams; young branches rusty pubescent; leaves bifid to 1/3, apex of lobe rounded to acute; ovary densely hairy; pedicels tomentose, 3–4.5 cm long.

Phyllodium longipes (Craib) Schindl.

Repert. Spec. Nov. Regni Veg. 20: 270 (1924) — LAO ເກັດປ່າຄໍ່ **Fabaceae**





Z94 (FOF0005277)

- **Specimens:** 406 m (Z94).
- **Distribution:** Cambodia, Laos, Myanmar, Thailand, Vietnam; S China.
- **Notes:** shrubs, 1 m tall, occasional in thickets, regrowth forests; leaves 3-foliolat; terminal leaflets lanceolate, to 20 cm long, lateral ones obliquely ovate 3–4 cm long; flowers and fruits enclosed by leaf-like bracts.

Saraca declinata (Jack) Miq. — Fabaceae

Fl. Ned. Ind. 1(1): 84 (1855) — LAO ໂສກນ້ຳ





Z1181 (FOF0006288)

- **Specimens:** 220 m (Z1302), 228 m (L28), 280 m (Z1181).
- **Distribution:** Cambodia, Laos, Myanmar, Thailand, Vietnam; Bangladesh to Malesia.
- **Notes:** trees, 10 m tall, common in evergreen forest at lowland, often by streams; flowers yellow to red, fragrant; flowering several times a year.

Senna timoriensis (DC.) H.S.Irwin & Barneby — Fabaceae

Mem. New York Bot. Gard. 35: 98 (1982) — LAO ຂີ້ ເຫຼັກເລືອດ





Z453 (FOF0005602)

- **Specimens:** 331 m (Z453).
- **Distribution:** Cambodia, Laos, Myanmar, Thailand, Vietnam; India to Australia.
- **Notes:** trees, 8 m tall, locally common in disturbed areas near limestone, seasonal evergreen forest margins; leaflets 10–19 pairs, elliptic-oblong, 3–4 cm long, pubescent on both surfaces.

Spatholobus harmandii Gagnep.

Fabaceae

Notul. Syst. (Paris) 2: 368 (1913) — LAO ເຄືອເຂົ້າໜຸ





Z268 (FOF0005430)

- **Specimens:** 515 m (Z268).
- **Distribution:** Cambodia, Laos, Myanmar, Thailand, Vietnam; Hainan & Peninsular Malaysia.
- **Notes:** woody climbers, occasional in seasonal evergreen forests; leaves trifoliate; petioles 6.5–10 cm long; leaflets oblong-elliptic or obovate, with petiolules 5–7 mm long.

Tadehagi triquetrum (L.) H.Ohashi

Fabaceae

Ginkgoana 1: 290 (1973) — LAO ຫຍ້າຂີ້ ໜອນ





Z567 (FOF0005706)

- **Specimens:** 318 m (Z567).
- **Distribution:** Cambodia, Laos, Myanmar, Thailand, Vietnam; India to Japan (Yaeyama Islands), Malesia.
- **Notes:** subshrubs, 1.5 m tall, scattered on seasonal evergreen forest margins; leaves 1-foliolate; blades narrowly lanceolate to ovate-lanceolate; petioles 0.9–2.5 cm long, winged.

Uraria acaulis Schindl.

Fabaceae

Bot. Jahrb. Syst. 54: 52 (1916) — LAO ຫາງເສືອ





Z516 (FOF0005658)

- **Specimens:** 387 m (Z516).
- **Distribution:** Cambodia, Laos, Thailand, Vietnam.
- **Notes:** perennial herbs, found in semi-evergreen forest mixed with bamboo, on limestone hill; leaves 1-foliolate; petioles usually longer than leaf blades; inflorescence terminal or axillary; flowers pink to purplish, numerous, dense.

Epirixanthes elongata Blume

Polygalaceae

Catalogus: 82 (1823) — LAO ດອກດິນເຫຼືອງ





Z164 (FOF0005336)

- **Specimens:** 405 m (Z164).
- **Distribution:** Laos, Myanmar, Thailand, Vietnam; India to Taiwan & Malesia.
- **Notes:** erect achlorophyllous herbs, to 18 cm tall, found in seasonal evergreen forests mixed with bamboo; yellow-brown throughout; leaves scale-like, 1–2 mm long; flowers sessile.

Salomonia cantoniensis Lour.

Polygalaceae

Fl. Cochinch.: 14 (1790) — LAO ນຽມກະສັງ





Z169 (FOF0005340)

- **Specimens:** 405 m (Z169).
- **Distribution:** Cambodia, Laos, Myanmar, Thailand, Vietnam; India to S China & Malesia.
- **Notes:** annual herbs, to 25 cm tall, occasional in open wet areas; leaves broadly ovate, to 2.5 cm long, cordate to truncate at base; walls of capsule with protruding reticulate venation.

Eriobotrya bengalensis (Roxb.) Kurz

Rosaceae

Prelim. Rep. Forest Pegu, App. A: lvii (1875) — LAO ພະລັມດິງ





Z952 (FOF0006069)

- **Specimens:** 720 m (Z952).
- **Distribution:** Cambodia, Laos, Myanmar, Thailand, Vietnam; Bangladesh to S China & W Malesia.
- **Notes:** trees, 7 m tall, found in seasonal evergreen forest; leaf blades red when young, lanceolate, margins serrate. Our material is classified as forma *angustifolia* (Cardot) J.E.Vidal of this species.

Prunus arborea (Blume) Kalkman var. **montana** (Hook.f.) Kalkman — **Rosaceae**

Blumea 13: 99 (1965) — LAO ໝາກແດງ





Z89 (FOF0005272)

- **Specimens:** 406 m (Z89).
- **Distribution:** Cambodia, Laos, Myanmar, Thailand, Vietnam; E Himalaya & Assam.
- **Notes:** evergreen or occasionally deciduous trees, 20 m tall, common in seasonal evergreen forest, also in thickets along agricultural land; petioles 0.6–1 cm long, covered with brown hairs; inflorescences axillary; calyx tubes hairy.

Prunus fordiana Dunn — **Rosaceae**

J. Bot. 45: 402 (1907) — LAO ໝັ້ນເຖື່ອນ





Z1312 (FOF0006407)

- **Specimens:** 234 m (Z1312).
- **Distribution:** Cambodia, Laos, Vietnam; S China.
- **Notes:** evergreen trees, found in dry evergreen forest by streams; leaf blades elliptic, with black dots abaxially, margin serrate when young entire when adult; fruits subglobose, green, glabrous.

Rhaphiolepis indica (L.) Lindl.

Rosaceae

Bot. Reg. 6: t. 468 (1820) — LAO ຄັນຄາຫອິນເດຍ





Z1 (FOF0005199)

- **Specimens:** 315 m (Z1).
- **Distribution:** Cambodia, Laos, Thailand, Vietnam; S China to Japan & Jawa.
- **Notes:** evergreen trees, 6 m tall, found by streams, in seasonal evergreen forests; leaves elliptic to lanceolate-oblong, margin serrate, tertiary veins reticulate, visible.

Gouania leptostachya DC.

Rhamnaceae

Prodr. 2: 40 (1825) — LAO ຊ່າເຫຼົ້ານ້ອຍ





Z454 (FOF0005603)

- **Specimens:** 331 m (Z454).
- **Distribution:** Laos, Myanmar, Thailand, Vietnam; India to W Malesia.
- **Notes:** climbing shrubs, scattered on seasonal evergreen forest margins; leaf blades almost glabrous, base cordate, margin crenate-serrate; inflorescences terminal cymose panicles and axillary cymose racemes.

Ventilago malaccensis Ridl.

Rhamnaceae

J. Straits Branch Roy. Asiat. Soc. 75: 22 (1917) — LAO ເຄືອໄກ່ດຳ





Z93 (FOF0005276)

- **Specimens:** 406 m (Z93).
- **Distribution:** Laos, Thailand; Peninsular Malaysia.
- **Notes:** woody climbers, found at seasonal forest edges; leaf blades distinctly serrulate, with 6–7 lateral veins; fruits glabrous. Matches the specimens *Soejarto et al. 11918* (L, from Khammouane) and *Phengklai 646* (L, from Nakhon Ratchasima, E Thailand).

Ventilago pauciflora Pit.

Rhamnaceae

in H.Lecomte (ed.), Fl. Indo-Chine 1: 909 (1912) — LAO ເຄືອປອກ, ເຄືອເຂົ້າແກບ





L998 (FOF0009974)

- **Specimens:** 238 m (L203), 258 m (L998).
- **Distribution:** Laos, Vietnam.
- **Notes:** woody climbers, occasional on seasonal evergreen forest margins; leaves sparsely pubescent to glabrous, with 3–5 secondary veins; inflorescence axillary on new shoots; calyx sparsely pubescent.

Ziziphus angustifolia (Miq.) Hatus. ex Steenis

Rhamnaceae

Nova Guinea, Bot. 3: 13 (1960) — LAO ຄອມໃບແຄບ





L34 (FOF0009951)

- **Specimens:** 228 m (L34).
- **Distribution:** Laos, Myanmar, Thailand; Malesia.
- **Notes:** trees, 12 m tall, without spines and thorns, occasional in dry evergreen forest on limestone karst; leaf blades elliptic, margin almost entire or minutely serrate;.

Ziziphus oenopolia (L.) Mill.

Rhamnaceae

Gard. Dict., ed. 8.: n.° 3 (1768) — LAO ເຄືອໜາມເລັບເໝ





Z196 (FOF0005365)

- **Specimens:** 365 m (Z196).
- **Distribution:** Cambodia, Laos, Myanmar, Thailand, Vietnam; India to S China, Malesia & Australia.
- **Notes:** scandent shrubs, with spines, common in open thickets near agricultural land; recognized by reddish-brown hairs on twigs; flowers 5-merous, bright yellowish-green; petals pale yellowish-white.

Ulmus lanceifolia Roxb.

Ulmaceae

in N.Wallich, Pl. Asiat. Rar. 2: 86 (1831) — LAO ลูบลิบ





L1079 (FOF0009998)

- **Specimens:** 539 m (L1079).
- **Distribution:** Laos, Myanmar, Thailand, Vietnam; W Himalaya to S China, W & C Malesia.
- **Notes:** trees, found one sapling at streamside in evergreen forest; twigs densely hairy when young; leaf blades ovate, to 10 cm long, margin serrate.

Celtis philippensis Blanco

Cannabaceae

Fl. Filip.: 197 (1837) — LAO ຂี้ໜอมถาย





L1059 (FOF0009990)

- **Specimens:** 539 m (L1059).
- **Distribution:** Laos, Myanmar, Thailand, Vietnam; India to Taiwan, Malesia & Australia.
- **Notes:** trees, 15 m tall, locally common in dry evergreen forest on limestone; leaves glabrous, 3- or 5-nerved; fruits globose to ellipsoid, ca. 1 cm in diam., yellowish-orange; newly recorded in Laos based on our collection (Tagane *et al.* 2017).

Gironniera subaequalis Planch.

Cannabaceae

Ann. Sci. Nat., Bot., sér. 3, 10: 339 (1848) — LAO ຂີ້ ໜອນຄວາຍໃບນ້ອຍ





Z116 (FOF0005296)

- **Specimens:** 387 m (Z116).
- **Distribution:** Cambodia, Laos, Myanmar, Thailand, Vietnam; S China to Malesia.
- **Notes:** evergreen trees, to 20 m tall, occasional in evergreen forest; terminal buds narrowly ovoid, slightly curved, covered with hirsute hairs; fruits short-stalked, orange when mature, with a persistent style.

Trema orientale (L.) Blume

Cannabaceae

Mus. Bot. 2: 62 (1856) — LAO ປໍ່ຟານ





L1146 (FOF0010006)

- **Specimens:** 185 m (L1146).
- **Distribution:** Cambodia, Laos, Myanmar, Thailand, Vietnam; tropical & subtropical Old World.
- **Notes:** trees, 20 m tall, common in open places, secondary forest, by streams; twigs and leaves densely covered with hairs; leaves cordate at base, basally trinerved.

Antiaris toxicaria (J.F.Gmel.) Lesch. — Moraceae

Ann. Mus. Hist. Nat. 16: 478 (1810) — LAO ยางบ่อๆขาว





Z350 (FOF0005510)

- **Specimens:** 515 m (Z350).
- **Distribution:** Cambodia, Laos, Myanmar, Thailand, Vietnam; tropical & subtropical Old World.
- **Notes:** trees, 30 m tall, scattered in evergreen and seasonal evergreen forest; twigs and leaves densely covered with long brown hairs, with milky sap when crushed; leaf blades serrate at margin.

Ficus fistulosa Reinw. ex Blume — Moraceae

Bijdr. Fl. Ned. Ind.: 470 (1825) — LAO เถื่อป่อๆ





Z624 (FOF0005758)

- **Specimens:** 338 m (Z624).
- **Distribution:** Cambodia, Laos, Myanmar, Thailand, Vietnam; India to Taiwan & Malesia.
- **Notes:** trees 8 m tall, common in evergreen forest, often near streams; leaf blades oblong to obovate, to 20 cm long; figs in leaf axils, on old twigs behind leaves, or on short branchlets on trunk.

Ficus heterophylla L.f.

Moraceae

Suppl. Pl.: 442 (1782) — LAO ໝາກມອດນ້ຳ





Z214 (FOF0005379)

- **Specimens:** 434 m (Z214).
- **Distribution:** Cambodia, Laos, Myanmar, Thailand, Vietnam; India to S China & W Malesia.
- **Notes:** shrubs, often creeping on the ground or rocks, scattered in open places, secondary forest edges, by streams; leaves variable in shape and size, scabrous on both surfaces; peduncle ca. 1 cm long.

Ficus langkokensis Drake

Moraceae

J. Bot. (Morot) 10: 215 (1896) — LAO ເດື່ອໃບສ້ຳ





Z409 (FOF0005565)

- **Specimens:** 459 m (L1100), 515 m (Z409).
- **Distribution:** Laos, Vietnam; E Himalaya to S China.
- **Notes:** trees, 5 m tall, occasional on evergreen forest margins; leaves chartaceous, margin entire, apex acuminate; similar to *Ficus chartacea* but distinguished by its long pedunculate figs (vs. subsessile).

Ficus pyriformis Hook. & Arn.

Moraceae

Bot. Beechey Voy.: 216 (1837) — LAO ເດື່ອຕ້ຍ





Z723 (FOF0005854)

- **Specimens:** 537 m (Z838), 550 m (Z723).
- **Distribution:** Cambodia, Laos, Thailand, Vietnam; Bangladesh to S China.
- **Notes:** rheophytic shrubs to small trees, common by streams and rivers; leave narrowly obovate to lanceolate; figs pear-shaped, slightly ridged.

Ficus sagittata Vahl

Moraceae

Symb. Bot. 1: 83 (1790) — LAO ໃຜເຄືອ





Z364 (FOF0005519)

- **Specimens:** 515 m (Z364).
- **Distribution:** Cambodia, Laos, Myanmar, Thailand, Vietnam; Bangladesh to S China, W & C Malesia.
- **Notes:** woody climbers, creeping on tree trunk with nodes bearing short roots; occasional to common in evergreen and seasonal evergreen forest; young twigs and leaves strigillose, becoming glabrous with age.

Ficus simplicissima Lour.

Moraceae

Fl. Cochinch.: 667 (1790) — LAO ເດື່ອຫອມ





Z191 (FOF0005360)

- **Specimens:** 365 m (Z191), 640 m (Z941).
- **Distribution:** Cambodia, Laos, Myanmar, Thailand, Vietnam; India to S China & W Malesia.
- **Notes:** shrubs, common in forest margins, roadside thickets, secondary forests; easily recognized by its coarsely hairy twigs, leaves and figs; previously treated as *Ficus hirta* Vahl in many publications.

Ficus tinctoria G.Forst. subsp. **gibbosa** (Blume) Corner

Moraceae

Gard. Bull. Singapore 17: 476 (1960) — LAO ໄຮ





Z911 (FOF0006031)

- **Specimens:** 621 m (Z911).
- **Distribution:** Cambodia, Laos, Myanmar, Thailand, Vietnam; India to S China, W & C Malesia to Australia.
- **Notes:** shrubs, scandent, hemi-epiphytic, occasional in evergreen forest, along streams; leaf shape and size highly variable; similar to *Ficus heteropleura* Blume but distinguished by its midrib prominent adaxially (vs. sunken in *F. heteropleura*).

Taxotrophis taxoides (B.Heyne ex Roth) Chew ex E.M.Gardner — **Moraceae**

Taxon 70: 979 (2021) — LAO ຂີ້ແຮດ





Z470 (FOF0005617)

- **Specimens:** 203 m (Z1262), 238 m (L191), 238 m (L56), 331 m (Z470).
- **Distribution:** Cambodia, Laos, Myanmar, Thailand, Vietnam; India to Hainan, W & C Malesia.
- **Notes:** shrubs to trees, 5 m tall, common in evergreen and seasonal evergreen forest, often on limestone karst; fruits enclosed by a persistent fleshy perianth.

Poikilospermum suaveolens (Blume) Merr. — **Urticaceae**

Contr. Arnold Arbor. 8: 47 (1934) — LAO ຂະໜັນ





Z851 (FOF0005977)

- **Specimens:** 238 m (L57), 537 m (Z851).
- **Distribution:** Cambodia, Laos, Myanmar, Thailand, Vietnam; Assam to S China & Malesia.
- **Notes:** scrambling shrubs, epiphytic on trees, scattered in various forests, near streams; leaves broadly ovate, leathery, glabrous.

Pouzolzia zeylanica (L.) Benn. var. **calcicola** Friis & Wilmot-Dear — **Urticaceae**

Nordic J. Bot. 24: 79 (2006) — LAO ຫຍ້າໜອນຕາຍ





Z439 (FOF0005590)

- **Specimens:** 475 m (Z439).
- **Distribution:** Laos, Thailand.
- **Notes:** shrubs, 1.5 m tall, locally common at slope or hill top of limestone karst; apical part of leaves gradually smaller toward apex; inflorescence axillary, of sessile flower-clusters.

Procris crenata C.B.Rob. — **Urticaceae**

Philipp. J. Sci., C 5: 507 (1910 publ. 1911) — LAO ຊ້າປ່າໃບຄົ້ນ





Z469 (KAG186903)

- **Specimens:** 331 m (Z469).
- **Distribution:** Laos, Myanmar, Thailand, Vietnam; tropical & subtropical Old World.
- **Notes:** perennial herbs or subshrubs, epiphytic on tree trunk or lithophytic on limestone rocks; stems succulent, glabrous; leaf blade oblanceolate, with asymmetric base; one specimen with young flower buds was collected in September.

Castanopsis clarkei King ex Hook.f.

Fagaceae

Fl. Brit. India 5: 623 (1888) — LAO ກ໋ຳໜາມ





L1048 (FOF0009984)

- **Specimens:** 228 m (L29), 268 m (L1048).
- **Distribution:** Laos, Myanmar, Vietnam; Tibet & Bangladesh to S China.
- **Notes:** trees 15 m tall, occasional in seasonal evergreen forest; leaf blades elliptic to oblong, yellow-brownish abaxially, margin serrate in upper 1/2–2/3; cupules to 4 cm long, enclosing nut entirely, armed with tufted, erect, simple spines; newly recorded in Laos based on our collections (Tagane *et al.* 2017).

Castanopsis indica (Roxb. ex Lindl.) A.DC.

Fagaceae

J. Bot. 1: 182 (1863) — LAO ກ໋ຳລາຍ





Z415 (KAG186852)

- **Specimens:** 515 m (Z415).
- **Distribution:** Laos, Myanmar, Thailand, Vietnam; Tibet to Taiwan.
- **Notes:** trees, 20 m tall, found in seasonal evergreen forest; leaf blades oblong or slightly obovate, densely pubescent abaxially, margin serrate in upper 2/3; cupule completely enclosing the nut, armed with tufted, erect, simple spines.

Castanopsis pierrei Hance

Fagaceae

J. Bot. 13: 369 (1875) — LAO ກໍ່ໜຸ





Z188 (KAG186646)

- **Specimens:** 365 m (Z188).
- **Distribution:** Cambodia, Laos, Thailand.
- **Notes:** trees, 15 m tall; collected at evergreen forest edges nearby agricultural land; leaf blades lanceolate, elliptic, 10–13 × 2.5–3.5 cm, glabrous; cupule to 4 cm in diam., completely enclosing the nut, armed with branched, curved spines.

Lithocarpus garrettianus (Craib) A.Camus

Fagaceae

Rivièra Sci. 18: 40 (1931) — LAO ກໍ່ແປ້ນ





Z283 (FOF0005461)

- **Specimens:** 515 m (Z283, Z330).
- **Distribution:** Laos, Myanmar, Thailand, Vietnam; S China.
- **Notes:** trees, 15 m tall, occasional in seasonal evergreen forests; easily distinguished by its branches, petioles and lower leaf surface, densely covered with tawny tomentose hairs; petioles 0.7–1 cm long.

Neoalsomitra simplex (Craib) Hutch.

Cucurbitaceae

Ann. Bot. (Oxford), n.s., 6: 98 (1942) — LAO ໝາກແຕງຕັດ





Z682 (FOF0005813)

- **Specimens:** 235 m (Z682).
- **Distribution:** Laos, Thailand.
- **Notes:** climbers, only single individual found at edge of evergreen forest near limestone; twigs and leaves entirely pubescent; tendril 2-branched at apex; leaves simple, deeply cordate at base; stamens 5, filaments free, ca. 1 mm long; newly recorded in Laos.

Zehneria japonica (Thunb.) H.Y.Liu

Cucurbitaceae

Bull. Natl. Mus. Nat. Sci., Taichung 1: 40 (1989) — LAO ໝາກແຕງຂີ





Z472 (FOF0005619)

- **Specimens:** 393 m (Z472).
- **Distribution:** Laos, Myanmar, Thailand, Vietnam; India to Japan, W & C Malesia.
- **Notes:** herbaceous climbers, found in gap of evergreen forest, on limestone karst; leaves membranous, 3–5-lobed, apex acute to acuminate; female flowers borne on slender pedicel to 5 cm long; fruits ellipsoid, ca. 1 cm long, glabrous.

Tetrameles nudiflora R.Br.

Tetramelaceae

in J.J.Bennett, Pl. Jav. Rar.: 79 (1838) — LAO ສະພຸງ





Z1131 (KAG187536)

- **Specimens:** 238 m (L133), 416 m (Z1131).
- **Distribution:** Cambodia, Laos, Myanmar, Thailand, Vietnam; India to S China, Malesia & Australia.
- **Notes:** deciduous trees, 30 m tall, scattered on limestone hill slope, dry evergreen forest; leaf blades suborbicular, cordate at base, margin serrate.

Euonymus indicus B.Heyne ex Wall.

Celastraceae

in W.Roxburgh, Fl. Ind. 2: 409 (1824) — LAO ເຂົ້າກວາງ





Z850 (FOF0005976)

- **Specimens:** 282 m (L1028), 537 m (Z850).
- **Distribution:** Cambodia, Laos, Myanmar, Thailand, Vietnam; India to Malesia.
- **Notes:** trees, scattered in evergreen and seasonal evergreen forests; leaves opposite; inflorescence axillary or on old branches behind leaves; flowers 5-merous; petals orange-red, margin fimbriate.

Glyptopetalum sclerocarpum M.A.Lawson

Celastraceae

in J.D.Hooker, Fl. Brit. India 1: 613 (1875) — LAO ຕູມກາແດງ





L1061 (FOF0009996)

- **Specimens:** 539 m (L1061).
- **Distribution:** Cambodia, Laos, Myanmar, Thailand, Vietnam; S China.
- **Notes:** shrubs, 2 m tall, scattered in seasonal evergreen forest; leaf blades glabrous, margin sparsely serrate; peduncle to 5 cm long; fruits subglobose, to 2 cm in diam., rough with tubercles; newly recorded in Laos based on our collection (Tagane *et al.* 2017).

Salacia verrucosa Wight

Celastraceae

Ill. Ind. Bot. 1: 134 (1839) — LAO ກຳແພງເຈັດຊັ້ນ





Z1337 (FOF0006433)

- **Specimens:** 203 m (Z1337).
- **Distribution:** Cambodia, Laos, Myanmar, Thailand, Vietnam; Bangladesh to W & C Malesia.
- **Notes:** woody climbers, common in seasonal evergreen forest, also near agricultural farmland; fruits green when young, turning bright orange to red, edible and sweet when mature.

Cnestis palala (Lour.) Merr. — Connaraceae

J. Straits Branch Roy. Asiat. Soc. 85: 201 (1922) — LAO ເຄືອສະໜັດ





Z96 (FOF0005280)

- **Specimens:** 406 m (Z96).
- **Distribution:** Cambodia, Laos, Myanmar, Thailand, Vietnam; Hainan, W & C Malesia.
- **Notes:** woody climbers, occasional to common in seasonal evergreen forest margins, roadside thickets, also near agricultural land; young branchlets tomentose; leaflet blade elliptic to oblong, 2–3.5 × 1–2 cm, with petiolule 1 mm long.

Ellipanthus tomentosus Kurz — Connaraceae

J. Asiat. Soc. Bengal, Pt. 2, Nat. Hist. 41: 305 (1872) — LAO ຫ້ຳຮອກ





L323 (FOF0009965)

- **Specimens:** 268 m (L323).
- **Distribution:** Cambodia, Laos, Myanmar, Thailand, Vietnam; India, W & C Malesia.
- **Notes:** trees, 15 m tall, occasional in seasonal evergreen forest; petiole swollen at both ends; leaves elliptic, densely covered with reddish brown hairs abaxially.

Rourea stenopetala (Griff.) Hook.f.

Connaraceae

Fl. Brit. India 2: 49 (1876) — LAO ຂາງແດງ





Z1323 (FOF0006419)

- **Specimens:** 219 m (Z1323).
- **Distribution:** Cambodia, Laos, Myanmar, Thailand, Vietnam; Peninsular Malaysia.
- **Notes:** woody climbers, occasional in evergreen forest; leaflets 11–21, oblique, 1–2 cm long, emarginate at apex; fruiting specimen collected in June.

Elaeocarpus balansae DC.

Elaeocarpaceae

Bull. Herb. Boissier, sér. 2, 3: 366 (1903) — LAO ມຸ່ນດົງ





Z177 (FOF0005348)

- **Specimens:** 439 m (Z177).
- **Distribution:** Cambodia, Laos, Myanmar, Thailand, Vietnam; S China to Peninsular Malaysia.
- **Notes:** trees, 5 m tall, common at the edges of seasonal evergreen forest; leaves alternate, often crowded at the end of twigs, hairy; newly recorded in Laos based on our collection (Kongxaisavath *et al.* 2023).

Elaeocarpus grandiflorus Sm.

Elaeocarpaceae

A.Rees, Cycl. 12: n.° 5 (1809) — LAO ກະເຊາ





L128 (FOF0009958)

- **Specimens:** 238 m (L128).
- **Distribution:** Cambodia, Laos, Myanmar, Thailand, Vietnam; S & C Malesia.
- **Notes:** trees, 10 m tall, common by streams; leaves lanceolate, margin serrate; petioles ca. 2 cm long.

Elaeocarpus petiolatus (Jack) Wall.

Elaeocarpaceae

Numer. List: n.° 2673 (1831) — LAO ຍ້ຽ





Z279 (FOF0005441)

- **Specimens:** 515 m (Z279).
- **Distribution:** Cambodia, Laos, Myanmar, Thailand, Vietnam; Bangladesh to S China, W & C Malesia.
- **Notes:** trees, found in seasonal evergreen forest; branchlets glabrous; terminal buds gummy resinous when dry; petiole robust, glabrous, swollen at both ends.

Microdesmis casearifolia Planch. ex Hook.

Pandaceae

Hooker's Icon. Pl. 8: 758 (1848) — LAO ຂີ້ ມິດກ້ຽງ





Z1289 (FOF0006384)

- **Specimens:** 210 m (Z1289), 238 m (L229), 258 m (L1009), 515 m (Z229).
- **Distribution:** Cambodia, Laos, Myanmar, Thailand, Vietnam; S China to W & C Malesia.
- **Notes:** shrubs or small trees, 4 m tall, scattered in seasonal evergreen forests; leaf blades lanceolate to oblong-lanceolate, to 10 cm long; petioles 0.3–0.5 cm long; fruit drupaceous, glossy.

Irvingia malayana Oliv. ex A.W.Benn.

Irvingiaceae

in J.D.Hooker, Fl. Brit. India 1: 522 (1875) — LAO ກະບິກ





L1163 (FOF0010002)

- **Specimens:** 185 m (L1163).
- **Distribution:** Cambodia, Laos, Myanmar, Thailand, Vietnam; W Malesia.
- **Notes:** trees, 30 m tall or more, occasional in seasonal evergreen forest; easily recognized by its terminal buds linear and curved.

Carallia brachiata (Lour.) Merr.

Rhizophoraceae

Philipp. J. Sci. 15: 249 (1919) — LAO ยิ้งมั่ง





Z674 (FOF0005805)

- **Specimens:** 231 m (Z674), 238 m (L124), 268 m (L387), 515 m (Z414).
- **Distribution:** Cambodia, Laos, Myanmar, Thailand, Vietnam; Madagascar, tropical to subtropical Asia & Australia.
- **Notes:** trees, to 20 m tall, occasional on seasonal evergreen forest margins, often in disturbed areas; twigs swollen at nodes; leaves leathery, glabrous, dark green adaxially; inflorescences axillary; fruits green.

Pellacalyx yunnanensis Hu

Rhizophoraceae

Bull. Fan Mem. Inst. Biol., Bot. 10: 130 (1940) — LAO ขาอ้ำม้ำยูนนาน





Z371 (FOF0005531)

- **Specimens:** 490 m (Z371).
- **Distribution:** Laos, Vietnam; S China.
- **Notes:** trees, 12 m tall, found in a valley of seasonal evergreen forest; leaves whorled; calyx campanulate, green, 7-lobed; stamens 14, attached to the mouth of the calyx tube, with white hairs at base.

Erythroxylum cambodianum Pierre

Erythroxylaceae

Fl. Forest. Cochinch.: t. 282 (1893) — LAO ຮຸ່ນໄຮ່





Z1290 (FOF0006385)

- **Specimens:** 210 m (Z1290).
- **Distribution:** Cambodia, Laos, Thailand, Vietnam.
- **Notes:** shrubs, 1.5 m tall, occasional in dry evergreen forest at lowland; leaves glabrous on both surfaces; flowers axillary, white; fruits ellipsoid, reddish when mature.

Garcinia cowa Roxb. ex Choisy

Clusiaceae

Mém. Nouv. Gen. Guttif.: 17 (1823) — LAO ຂີ້ ໜອນ





Z933 (FOF0006053)

- **Specimens:** 515 m (Z266), 621 m (Z933).
- **Distribution:** Cambodia, Laos, Myanmar, Thailand, Vietnam; India to S China, Peninsular Malaysia.
- **Notes:** trees, occasional in evergreen and seasonal evergreen forests; leaves opposite; blades elliptic-lanceolate, secondary veins about 15 pairs; male flowers in short umbel; leaves and fruits edible.

Garcinia lanceifolia Roxb.

Clusiaceae

Fl. Ind., ed. 1832. 2: 623 (1832) — LAO ລໍ້ ມແຝມ





Z1273 (FOF0006368)

- **Specimens:** 203 m (Z1273), 270 m (L1160), 416 m (Z1122).
- **Distribution:** Cambodia, Laos, Myanmar, Thailand, Vietnam; E Himalaya, Assam, Bangladesh.
- **Notes:** trees to 4 m tall, occasional in seasonal evergreen forest by streams; cultivated in SE Thailand; young shoots and leaves edible with sour taste, reddish-orange ripe fruits also edible (Ngernsaengsaruay & Suddee 2016).

Garcinia merguensis Wight

Clusiaceae

Ill. Ind. Bot. 1: 124 (1838) — LAO ກະນອນ





Z301 (FOF0005463)

- **Specimens:** 268 m (L298), 515 m (Z301), 665 m (L1174).
- **Distribution:** Cambodia, Laos, Myanmar, Thailand, Vietnam; Bangladesh to Peninsular Malaysia.
- **Notes:** trees, common in seasonal evergreen forest; leaves ovate-elliptic, 5–7 cm long, smallest among the Garcinia species in Nam Kading.

Garcinia nuntasaenii Ngerns. & Suddee

Clusiaceae

Thai Forest Bull., Bot. 44: 134 (2016) — LAO ຊ້າງງາເອກ





Z623 (FOF0005757)

- **Specimens:** 228 m (L8), 282 m (L1034), 338 m (Z623).
- **Distribution:** Laos, Thailand.
- **Notes:** shrubs, 1 m tall, locally common in understory of dry evergreen forests on limestone; easily recognized by its shrubby habit and cordate leaf base; newly recorded in Laos based on our collections (Tagane *et al.* 2017).

Garcinia pedunculata Roxb. ex Buch.-Ham.

Clusiaceae

Edinburgh J. Sci. 7: 45 (1827) — LAO ຕະລິງປົງປ່າ





Z714 (KAG187136)

- **Specimens:** 515 m (Z399), 550 m (Z714).
- **Distribution:** Laos, Myanmar, Thailand, Vietnam; India to S China.
- **Notes:** trees to 15 m tall, found at edge of seasonal evergreen forest; leaves oblong to obovate-oblong, longer than 15 cm, with distinct 10–13 pairs of secondary veins.

Garcinia thorelii Pierre

Clusiaceae

Fl. Forest. Cochinch.: t. 62 (1882) — LAO ສົ້ມປ່ອງ





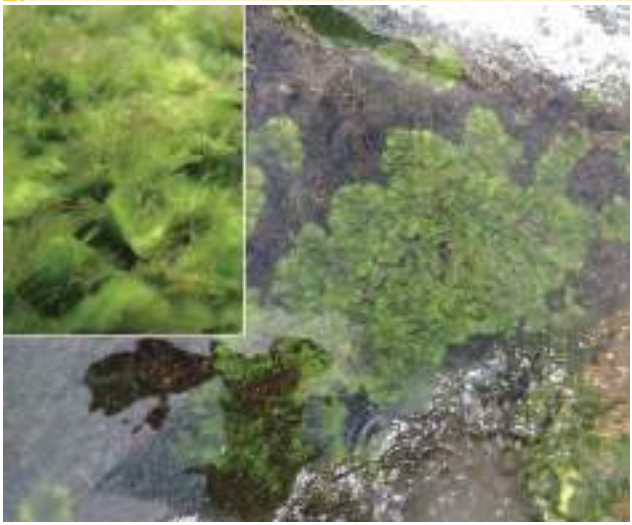
Z1321 (FOF0006417)

- **Specimens:** 219 m (Z1321), 416 m (Z1135).
- **Distribution:** Laos, Thailand, Vietnam.
- **Notes:** trees, occasional in seasonal evergreen forest; secondary veins 5–7 pairs, prominent abaxially; inflorescences axillary or on twigs behind leaves; type (*Thorel 3365*, P04701082-lecto) collected from Laos.

Hydrobryum verrucosum Koi & M.Kato

Podostemaceae

Kew Bull. 67: 353 (2012) — LAO ດອກຫີນ





Z86 (FOF0005250)

- **Specimens:** 350 m (Z86).
- **Distribution:** endemic to Laos.
- **Notes:** perennial herbs, found one population in Nam Arn River, submerged under water in rainy season; roots crustose, adhering to rock surface; leaves 2–4 (or more) fascicle, linear, 1.5–3 mm long; previously known from 8 occurrences in Laos.

Polypleurum schmidtianum Warm.

Podostemaceae

Bot. Tidsskr. 24(3): 258 (1901) — LAO ດອກໄຄທຽນ





Z85 (FOF0005249)

- **Specimens:** 350 m (Z85).
- **Distribution:** Cambodia, Laos, Thailand.
- **Notes:** perennial herbs, found sympatrically occurring with *Hydrobryum verucosum* in Nam Arn River, submerged under water in rainy season; roots ribbon-like, adhering to rock surface.

Cratoxylum cochinchinense (Lour.) Blume

Hypericaceae

Ann. Mus. Bot. Lugduno-Batavi 2: 17 (1856) — LAO ຕົ້ວມ່ອນ





Z112 (FOF0005293)

- **Specimens:** 406 m (Z112).
- **Distribution:** Cambodia, Laos, Myanmar, Thailand, Vietnam; S China to W & C Malesia.
- **Notes:** deciduous trees, 8 m tall, common in thickets near agricultural land, dry evergreen forest; inflorescences axillary; fruit a small capsule containing winged seeds.

Drypetes hainanensis Merr.

Putranjivaceae

J. Arnold Arbor. 6: 134 (1925) — LAO ໝາກໂຄມໄຮນານ





Z1305 (KAG187906)

- **Specimens:** 202 m (Z1305).
- **Distribution:** Laos, Thailand, Vietnam; Hainan, Borneo & Sulawesi.
- **Notes:** tree, 6 m tall, locally common in dry evergreen forests on limestone karst; leaves ovate, subleathery, glabrous on both surfaces; fruits globose, yellowish orange, covered in scurfy hairs.

Dichapetalum longipetalum (Turcz.) Engl.

Dichapetalaceae

in H.G.A.Engler & K.A.E.Prantl, Nat. Pflanzenfam. 3(4): 348 (1896) — LAO ໝາກຜ່າສາມ





L1040 (FOF0009986)

- **Specimens:** 272 m (L1040).
- **Distribution:** Cambodia, Laos, Myanmar, Thailand, Vietnam; S China & Peninsular Malaysia.
- **Notes:** erect trees (when sapling) to woody climbers (when adult), occasional in seasonal evergreen forest; twigs lenticellate, hairy; leaves pubescent on midrib adaxially.

Hydnocarpus ilicifolius King

Achariaceae

Ann. Roy. Bot. Gard. (Calcutta) 5: 130 (1895) — LAO ກະເຜົ່າ





Z1293 (FOF0006388)

- **Specimens:** 220 m (Z1293), 238 m (L62), 665 m (L1177).
- **Distribution:** Cambodia, Laos, Thailand, Vietnam; W Malesia.
- **Notes:** trees, 12 m tall, common in dry evergreen forest; easily recognized by its very sharp leaf margins (but occasionally subentire) and blackish spherical fruits.

Rinorea anguifera (Lour.) Kuntze

Violaceae

Revis. Gen. Pl. 1: 42 (1891) — LAO ເງາະປ່າ





Z694 (FOF0005825)

- **Specimens:** 235 m (Z694), 338 m (L52).
- **Distribution:** Cambodia, Laos, Thailand, Vietnam; W Malesia.
- **Notes:** shrubs, usually 1 m tall, common in disturbed areas, such as secondary forest margins, roadside thickets; leaves elliptic to lanceolate, pubescent, serrate at margin; fruits globose, densely covered with long curly barbellate hairs.

Rinorea bengalensis (Wall.) Kuntze

Violaceae

Revis. Gen. Pl. 1: 42 (1891) — LAO ໃຕ້ໃບຫົນ





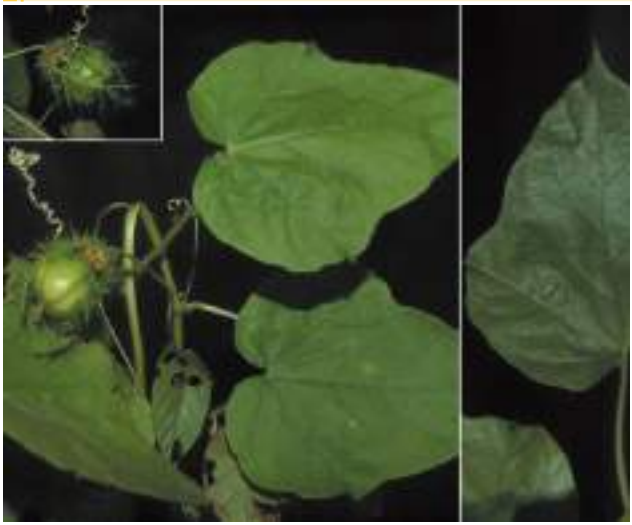
Z1311 (FOF0006406)

- **Specimens:** 234 m (Z1311), 238 m (L60).
- **Distribution:** Cambodia, Laos, Myanmar, Thailand, Vietnam; S China to tropical Asia & W Pacific.
- **Notes:** trees, 6 m tall, locally common in evergreen forest on limestone; leaves glabrous, somewhat variable in size depending on the habitat (smaller in open, dried, rocky area); fruits glabrous.

Passiflora foetida L.

Passifloraceae

Sp. Pl.: 959 (1753) — LAO ຜັກບ້ວງຂົນ





Z192 (FOF0005361)

- **Specimens:** 365 m (Z192).
- **Distribution:** Native to tropical & subtropical America, introduced to tropical & subtropical Old World.
- **Notes:** climber, occasional in human disturbed areas; leaves deeply lobed, foetid odour when crushed; involucral bract bristly glandular.

Passiflora siamica Craib

Passifloraceae

Bull. Misc. Inform. Kew 1911: 55 (1911) — LAO ຜັກບ້ວງ





Z859 (FOF0005981)

- **Specimens:** 537 m (Z859).
- **Distribution:** Laos, Myanmar, Thailand, Vietnam; E Himalaya to S China.
- **Notes:** climbers, scattered on evergreen forest margins, streamside; young stems densely covered with brown hairs; leaf blades lanceolate, margin entire, densely hairy; petioles with two glands; flowers ca. 3 cm in diam.

Alchornea tiliifolia (Benth.) Müll.Arg.

Euphorbiaceae

Linnaea 34: 168 (1865) — LAO ອຳໄຍ່ສາມໃບ





Z255 (FOF0005418)

- **Specimens:** 515 m (Z255).
- **Distribution:** Cambodia, Laos, Myanmar, Thailand, Vietnam; Bangladesh to S China & W Malesia.
- **Notes:** trees, 4 m tall, occasional in seasonal evergreen forest margins at higher elevation; branchlets densely pubescent; leaves trinerved, secondary veins 4–6 pairs, tertiary veins scalariform.

Claoxylon indicum (Reinw. ex Blume) Hassk. — Euphorbiaceae

Cat. Hort. Bot. Bogor. Alt.: 235 (1844) — LAO ຂາງກະອ້າຍ





L166 (FOF0009961)

- **Specimens:** 238 m (L166).
- **Distribution:** Cambodia, Laos, Myanmar, Thailand, Vietnam; S China to Malesia.
- **Notes:** trees, to 5 m tall, occasional on evergreen forest margines, streamside, secondary forest; easily recognized by its long petioles to 15 cm long and pilose leaves; the photo of fr. from PHP.

Cleidion javanicum Blume — Euphorbiaceae

Bijdr. Fl. Ned. Ind.: 613 (1826) — LAO ບີໝີ





Z1308 (FOF0006403)

- **Specimens:** 202 m (Z1308).
- **Distribution:** Cambodia, Laos, Myanmar, Thailand, Vietnam; tropical & subtropical Asia to W Pacific.
- **Notes:** trees, 12 m tall, found in seasonal evergreen forest; leaves alternate, with long petiole, to 5 cm long; fruits ca 2 cm long, 1.5 cm in diam., glabrous.

Croton cascarilloides Raeusch.

Euphorbiaceae

Nomencl. Bot. Pl. Illustr., ed. 3: 280 (1797) — LAO ເຢົ້າເງິນ





Z465 (FOF0005613)

- **Specimens:** 331 m (Z465).
- **Distribution:** Laos, Myanmar, Thailand, Vietnam; E Asia to W & C Malesia.
- **Notes:** shrubs, 1.5 m tall, scattered in evergreen forest on limestone; leaves crowded at the end of twigs, sliver on lower surface; fruits ca 5 mm in diam., green with brown scales.

Croton caudatus Geiseler

Euphorbiaceae

Croton. Monogr.: 73 (1807) — LAO ເຢົ້ານ້ຳ





Z881 (FOF0006004)

- **Specimens:** 606 m (Z881).
- **Distribution:** Cambodia, Laos, Myanmar, Thailand, Vietnam; tropical & subtropical Asia to Australia.
- **Notes:** scandent shrubs or climbers, very common in secondary forest, roadside thickets; young branches and leaves hirsute with yellowish-brown stellate hairs.

Croton poomae Esser

Euphorbiaceae

Thai Forest Bull., Bot. 30: 1 (2002) — LAO ເປົ້າພຸງ໊ວ





Z373 (FOF0005533)

- **Specimens:** 268 m (L335), 490 m (Z373).
- **Distribution:** Laos, Thailand.
- **Notes:** trees, to 10 m tall, occasional in seasonal evergreen forest margins; lower leaf surface generally silver, with reddish brown veins. The type locality is Phu Wua Wildlife Sanctuary, Bunghkla Province of NE Thailand; newly recorded in Laos based on our collections (Tagane *et al.* 2017).

Croton thorelii Gagnep.

Euphorbiaceae

Bull. Soc. Bot. France 68: 560 (1921 publ. 1922) — LAO ເປົ້າຫີນ





L994 (FOF0009973)

- **Specimens:** 258 m (L994).
- **Distribution:** Cambodia, Laos, Thailand, Vietnam.
- **Notes:** shrubs, 1.5 m tall, occasional in seasonal evergreen forest margin, secondary forest; leaves crowded at the end of twigs, glabrous adaxially, very sparsely stellate-hairy abaxially.

Epiprinus siletianus (Baill.) Croizat

Euphorbiaceae

J. Arnold Arbor. 23: 53 (1942) — LAO ໝາກແສດ





Z676 (FOF0005807)

- **Specimens:** 196 m (Z1278), 228 m (L41), 235 m (Z676), 313 m (L290).
- **Distribution:** Cambodia, Laos, Myanmar, Thailand, Vietnam; Bangladesh to S China.
- **Notes:** shrubs to small trees, 8 m tall, occasional in dry evergreen forest, often on limestone; leaves crowded at the end of twigs; similar to *Lasiococca comberi* in appearance, but distinguished by its stellate hairs (vs. simple in *L. comberi*); newly recorded in Laos based on our collection (Tagane *et al.* 2017).

Excoecaria cochinchinensis Lour. var. **viridis** (Pax & K.Hoffm.) Merr.

Euphorbiaceae

Philipp. J. Sci. 15: 244 (1919) — LAO ລົ້ນຄວາຍ





L993 (FOF0009972)

- **Specimens:** 258 m (L993).
- **Distribution:** Laos, Myanmar, Thailand, Vietnam; S China, Taiwan & Peninsular Malaysia.
- **Notes:** shrubs, 1 m tall, very common in dry evergreen forest on limestone, secondary forest, thickets; twigs and leaves glabrous; leaves opposite, margin serrulate; twigs and leaves with white sap when crushed.

Excoecaria oppositifolia Griff.

Euphorbiaceae

Calcutta J. Nat. Hist. 4: 386 (1844) — LAO ກົກຕັ້ງ





L1049 (FOF0009980)

- **Specimens:** 238 m (L87), 268 m (L1049).
- **Distribution:** Laos, Myanmar, Thailand, Vietnam; India to E Himalaya.
- **Notes:** trees, 4 m tall, common in dry evergreen forest on limestone; distinguished from *Excoecaria cochinchinensis* by its larger leaves and fruits; twigs and leaves with white sap when crushed; newly recorded in Laos based on our collections (Tagane *et al.* 2017).

Falconeria insignis Royle

Euphorbiaceae

Ill. Bot. Himal. Mts.: 354 (1839) — LAO ຕາຕຸ່ມຍິກ





Z484 (FOF0005629)

- **Specimens:** 393 m (Z484).
- **Distribution:** Cambodia, Laos, Myanmar, Thailand, Vietnam; W Himalaya to S China & Peninsular Malaysia.
- **Notes:** trees, occasional in dry evergreen forest or open rocks on limestone karst; leaves alternate, crowded at the end of twigs; when crushed; twigs and leaves produce a white sap when crushed.

Homonoia riparia Lour.

Euphorbiaceae

Fl. Cochinch.: 637 (1790) — LAO ใถ้ม้ำ





Z1175 (FOF0006281)

- **Specimens:** 285 m (Z1175), 329 m (Z51).
- **Distribution:** Cambodia, Laos, Myanmar, Thailand, Vietnam; India to E Asia & Malesia.
- **Notes:** rheophytic shrubs, to 3 m tall, common along rivers and streams; leaves narrowly elliptic, whitish abaxially; inflorescences solitary, axillary, spike.

Koilodepas longifolium Hook.f.

Euphorbiaceae

Fl. Brit. India 5: 420 (1887) — LAO ກะแลงซ้าบ





Z800 (FOF0005927)

- **Specimens:** 238 m (L222).
- **Distribution:** Laos, Thailand, Vietnam; W Malesia.
- **Notes:** trees, 6 m tall, locally common in evergreen and seasonal evergreen forest on limestone; petioles swollen at both ends; leaf blades elliptic to oblong, margin laxly serrate; the specimen image from PPM; newly recorded in Laos based on our collection (Tagane *et al.* 2017).

Lasiococca comberi Haines

Euphorbiaceae

Bull. Misc. Inform. Kew 1920: 70 (1920) — LAO ໝາກດຸກແຫ້ງ





Z1331 (FOF0006427)

- **Specimens:** 185 m (Z1331).
- **Distribution:** Laos, Thailand, Vietnam; India & S China.
- **Notes:** trees, 7 m tall, occasional in seasonal evergreen forest on limestone; leaves alternate, crowded at the end of twigs, blades obovate, cordate at base; fruits globose, depressed, 3-lobed, covered with short spines.

Macaranga denticulata (Blume) Müll.Arg.

Euphorbiaceae

in A.P.de Candolle, Prodr. 15(2): 1000 (1866) — LAO ຕອງລາງ





Z872 (FOF0005994)

- **Specimens:** 606 m (Z872).
- **Distribution:** Cambodia, Laos, Myanmar, Thailand; W Himalaya to S China, W & C Malesia.
- **Notes:** trees, 8 m tall, common in secondary forest, roadside, especially near streams; leaves alternate, blades broadly truncate or slightly rounded at base.

Mallotus barbatus Müll.Arg.

Euphorbiaceae

Linnaea 34: 184 (1865) — LAO ຕອງເທົ້າ





Z509 (FOF0005651)

- **Specimens:** 321 m (Z509).
- **Distribution:** Cambodia, Laos, Myanmar, Thailand, Vietnam; India, S China, W Malesia.
- **Notes:** trees, to 6 m tall, common in secondary forest and roadside thickets; most parts densely covered with light yellow-brown hairs and glandular scales; leaf blades peltate at base; fruits densely covered with spines and stellate hairs.

Mallotus decipiens Müll.Arg.

Euphorbiaceae

Linnaea 34: 194 (1865) — LAO ຕອງໂພ





Z1116 (FOF0006228)

- **Specimens:** 268 m (L1052), 285 m (Z1116).
- **Distribution:** Cambodia, Laos, Myanmar, Thailand, Vietnam; Bangladesh to S China & Peninsular Malaysia.
- **Notes:** shrubs to trees to 3 m tall, common in evergreen forest, mainly on limestone; leaves opposite, with a pair of larger and smaller obovate blades; inflorescences axillary and terminal, unbranched.

Mallotus metcalfianus Croizat

Euphorbiaceae

J. Arnold Arbor. 21: 501 (1940) — LAO ຕອງໂພເມັດ





Z103 (FOF0005287)

- **Specimens:** 282 m (L1020), 406 m (Z103).
- **Distribution:** Laos, Thailand, Vietnam; S China.
- **Notes:** trees, to 6 m tall, occasional in disturbed areas; twigs and lower leaf surface densely covered with dark orange to brown stellate hairs and orange glandular scales; leaves alternate; fruits with spines to 7 mm long; newly recorded in Laos based on our collection (Tagane *et al.* 2017).

Mallotus paniculatus (Lam.) Müll.Arg.

Euphorbiaceae

Linnaea 34: 189 (1865) — LAO ສອຍດາວ





Z745 (FOF0005874)

- **Specimens:** 206 m (Z745), 338 m (L53).
- **Distribution:** Cambodia, Laos, Myanmar, Thailand, Vietnam; India to Japan (Yaeyama Islands), Malesia, Australia.
- **Notes:** trees, to 8 m tall, occasional in disturbed areas; leaves alternate, blades distinctly whitish abaxially; inflorescences terminal, single to paniculate; fruits armed with spines to 4 mm long.

Mallotus peltatus (Geiseler) Müll.Arg.

Euphorbiaceae

Linnaea 34: 187 (1865) — LAO ຊ່າຫຼອດ





L358 (FOF0003147)

- **Specimens:** 268 m (L358).
- **Distribution:** Cambodia, Laos, Myanmar, Thailand, Vietnam; India, S China & Malesia.
- **Notes:** shrubs to trees, usually to 2 m tall, common in evergreen and seasonal evergreen forests; leaves alternate, sometimes subopposite, blades oblong-obovate, base obtuse, cordate, peltate; fruits with short spines.

Sumbaviopsis albicans (Blume) J.J.Sm.

Euphorbiaceae

Meded. Dept. Landb. Ned.-Indië 10: 357 (1910) — LAO ຕອງຜ້າ





Z468 (KAG186902)

- **Specimens:** 331 m (Z468).
- **Distribution:** Laos, Myanmar, Thailand, Vietnam; Bangladesh to S China, W & C Malesia.
- **Notes:** trees, occasional in seasonal evergreen forests on limestone; petioles to 10 cm long; leaf blades ovate to elliptic, distinctly whitish adaxially, peltate at base; fruits ca. 1.8 cm in diam., with peduncle of 1.6–2.2 cm long.

Suregada multiflora (A.Juss.) Baill. — Euphorbiaceae

Étude Euphorb.: 396 (1858) — LAO ດຸກຫົນ





Z1115 (FOF0006227)

- **Specimens:** 238 m (L117), 285 m (Z1115).
- **Distribution:** Cambodia, Laos, Myanmar, Thailand, Vietnam; India to S China, W & C Malesia.
- **Notes:** shrubs to trees, occasional in seasonal evergreen forest, often common in secondary forest and roadside thickets; leaves alternate, dark green adaxially, glabrous on both surfaces.

Triadica cochinchinensis Lour. — Euphorbiaceae

Fl. Cochinch.: 610 (1790) — LAO ລັບແລ





Z101 (FOF0005285)

- **Specimens:** 185 m (L1133), 406 m (Z101).
- **Distribution:** Cambodia, Laos, Myanmar, Thailand, Vietnam; India to Taiwan, W & C Malesia.
- **Notes:** trees, 20 m tall, occasional on seasonal evergreen forest margins, thickets near agricultural land; all parts glabrous, leaves and petioles pinkish to reddish when young.

Trigonostemon eberhardtii Gagnep.

Euphorbiaceae

Bull. Soc. Bot. France 69: 749 (1922 publ. 1923) — LAO ບາງແຂ້ງໃບແຫຼມ





L1092 (FOF0007144)

- **Specimens:** 539 m (L1092).
- **Distribution:** Cambodia, Laos, Thailand, Vietnam; S China.
- **Notes:** shrubs, 1.5 m tall, found evergreen forest margins on limestone; leaf blades broadly obovate to elliptic, basally trinerved; flowering in June.

Trigonostemon flavidus Gagnep.

Euphorbiaceae

Bull. Soc. Bot. France 69: 749 (1922 publ. 1923) — LAO ເສັດຕະສັດຂີນ





Z1281 (FOF0006376)

- **Specimens:** 185 m (L1168), 196 m (Z1281), 238 m (L244), 258 m (L1015).
- **Distribution:** Laos, Myanmar, Thailand; Hainan & Peninsular Malaysia.
- **Notes:** shrubs, 1–2 m tall, common in seasonal evergreen forest margins; easily recognized by hirsute branchlets and leaves, short petioles, and rounded to cordate leaf base; type specimen (*F.J. Harmand 3273*, P) collected from Laos; the photo of abaxial leaf surface from PHP (*Tagane et al. Z1814*).

Antidesma montanum Blume

Phyllanthaceae

Bijdr. Fl. Ned. Ind.: 1124 (1827) — LAO ໝາກເໝັ່ງດົງ





Z8 (FOF0005205)

- **Specimens:** 203 m (Z1271, Z1346), 210 m (Z1283, Z1291), 235 m (Z692), 258 m (L1001), 315 m (Z8), 539 m (L1074).
- **Distribution:** Cambodia, Laos, Myanmar, Thailand, Vietnam; India to S China, Malesia & Australia.
- **Notes:** small trees, 2 m tall, occasional on evergreen and seasonal evergreen forest margins; leaves elliptic to oblong, glabrous except pubescent veins; fruits ellipsoid, flattened, green when young, turning to red to black when mature.

Antidesma velutinosum Blume

Phyllanthaceae

Bijdr. Fl. Ned. Ind.: 112 (1825) — LAO ໝາກເໝັ່ງຂົນນ້ອຍ





Z908 (FOF0006028)

- **Specimens:** 387 m (Z137), 515 m (Z294), 537 m (Z849), 621 m (Z908).
- **Distribution:** Laos, Myanmar, Thailand; Bangladesh to W Malesia.
- **Notes:** trees, 3 m tall, occasional in seasonal evergreen forest and its margins; distinguished from *Antidesma montana* by its densely hairy twigs, lower leaf surface and axes of inflorescence.

Aporosa octandra (Buch.-Ham. ex D.Don) Vickery

Phyllanthaceae

Enum. Fl. Pl. Nepal 3: 193 (1982) — LAO ໝີ້ອດຂົນແປດຫຼ່ຽມ





Z886 (FOF0006009)

- **Specimens:** 621 m (Z886).
- **Distribution:** Cambodia, Laos, Myanmar, Thailand, Vietnam; India to S China, Malesia & Australia.
- **Notes:** small trees, up to 12 m tall, occasional in seasonal evergreen forest, often common in secondary regrowth and open dry forest; leaf blades narrowly elliptic, drying dull greyish brown, sparsely puberulous on both surfaces.

Bischofia javanica Blume

Phyllanthaceae

Bijdr. Fl. Ned. Ind.: 1168 (1827) — LAO ຂົມຝາດ





L123 (FOF0009957)

- **Specimens:** 238 m (L123).
- **Distribution:** Cambodia, Laos, Myanmar, Thailand, Vietnam; tropical to subtropical Asia to C Pacific.
- **Notes:** trees, to 40 m tall, occasional in evergreen forest, often along streams; easily recognized by its palmately 3-foliate leaves.

Breynia glauca Craib

Phyllanthaceae

Bull. Misc. Inform. Kew 1911: 460 (1911) — LAO ผักกอมหม่า





Z945 (FOF0006062)

- **Specimens:** 709 m (Z945).
- **Distribution:** Laos, Myanmar, Thailand; Borneo.
- **Notes:** shrubs, to 5 m tall, locally common in seasonal evergreen forest edges, secondary thickets, roadside; blades elliptic to ovate, ca. 5 cm long, distinctly glaucous abaxially.

Bridelia stipularis (L.) Blume

Phyllanthaceae

Bijdr. Fl. Ned. Ind.: 597 (1826) — LAO ຊ่าเฒ้า





Z186 (FOF0005355)

- **Specimens:** 365 m (Z186).
- **Distribution:** Cambodia, Laos, Myanmar, Thailand, Vietnam; India to S China, W & C Malesia.
- **Notes:** scrambling shrubs, 6 m tall; scattered in seasonal evergreen forest edges, often common in secondary forest and thickets near agricultural land; young twigs, petioles and lower leaf surface tomentose with brown hairs.

Flueggea virosa (Roxb. ex Willd.) Royle

Phyllanthaceae

Ill. Bot. Himal. Mts.: 328 (1836) — LAO ກ້າງປາຂາວ





Z376 (FOF0005536)

- **Specimens:** 416 m (Z376).
- **Distribution:** Cambodia, Laos, Myanmar, Thailand; tropical to subtropical Old World.
- **Notes:** shrubs, 4 m tall, occasional to common in thickets, roadside, agriculture farmland, riverbanks; leaves elliptic to obovate, ca. 5 cm long; fruits ca 4 mm in diam., white.

Glochidion eriocarpum Champ. ex Benth.

Phyllanthaceae

Hooker's J. Bot. Kew Gard. Misc. 6: 6 (1854) — LAO ຂີ້ມິດຮຽວ





Z380 (KAG186822)

- **Specimens:** 445 m (Z380), 606 m (Z879).
- **Distribution:** Laos, Myanmar, Thailand, Vietnam; S China, Taiwan to W & C Malesia.
- **Notes:** shrubs, 4 m tall, scattered at edges of seasonal evergreen forest; easily recognized by its all parts covered with brown velutinous hairs; fruit capsular, subglobose, flattened, 4–10-grooved.

Kirganelia microcarpa (Benth.) Hurus. & Yu.Tanaka

Phyllanthaceae

Fl. E. Himal.: 179 (1966) — LAO ໝາກຍົມນ້ອຍ





Z871 (FOF0005993)

- **Specimens:** 185 m (L1143), 256 m (Z1403), 280 m (Z1187), 606 m (Z871).
- **Distribution:** Cambodia, Laos, Thailand; S China & W Malesia.
- **Notes:** scandent shrubs, to 6 m tall, occasional to common at forest edges, thickets, roadside; leaf blades ovate-oblong, chartaceous, glabrous; petioles 2–4 mm long; synonymized as *Phyllanthus microcarpus* (Benth.) Müll.Arg. in Govaerts (2024), but here follows Bouman *et al.* (2022).

Nymphanthus elegans (Wall. ex Müll.Arg.) R.W.Bouman

Phyllanthaceae

Phytotaxa 540: 22 (2022) — LAO ຜັກຫວານດົງ





Z15 (FOF0005212)

- **Specimens:** 194 m (Z1351), 238 m (L246), 282 m (L1025), 315 m (Z15).
- **Distribution:** Cambodia, Laos, Myanmar, Thailand, Vietnam; Peninsular Malaysia.
- **Notes:** shrubs, to 2 m tall, occasional in seasonal evergreen forests margins; lower leaf surface glaucous; fruits capsular, about 1.5 cm in diam., whitish-green *in vivo*, drying brownish; fruiting pedicel to 3 cm long; synonymized as *Phyllanthus elegans* Wall. ex Müll.Arg. in Govaerts (2024), but here follows Bouman *et al.* (2022).

Nymphanthus namkadingensis Tk.Yamam., Tagane & Soulad. **Phyllanthaceae**

Phytotaxa 650: 200 (2024) — LAO ໝາກຍົມນ້ອຍນ້ຳກະດິງ





Z74 (FOF0007161)

- **Specimens:** 375 m (Z74), 387 m (Z128), 427 m (Z595), 537 m (Z837).
- **Distribution:** endemic to Laos.
- **Notes:** rheophytic subshrubs, to 40 cm tall, locally common along semi-shaded streams in seasonal evergreen forest; characterized by large stipules 3–9 × 1–2 mm, reddish purple sepals with non-fimbriate margins, and annular disc glands of pistillate flowers; described based on our collection (Yamamoto *et al.* 2024).

Combretum indicum (L.) DeFilipps **Combretaceae**

Useful Pl. Dominica: 277 (1998) — LAO ນົ້ອມນາງ





Z379 (FOF0005539)

- **Specimens:** 445 m (Z379).
- **Distribution:** Cambodia, Laos, Myanmar, Thailand, Vietnam; Tanzania, tropical & subtropical Asia to Australis.
- **Notes:** woody climbers, occasional in seasonal evergreen forest; fruits with five wings as long as the length of the fruit.

Combretum pilosum Roxb. ex G.Don

Combretaceae

Trans. Linn. Soc. London 15: 417, 434 (1827) — LAO ສະມໍ່ງດອງ





Z947 (FOF0006064)

- **Specimens:** 313 m (L282), 709 m (Z947).
- **Distribution:** Cambodia, Laos, Myanmar, Thailand, Vietnam; Assam to S China.
- **Notes:** woody climbers, very common at disturbed areas such as roadside, secondary forest margins; flowers purple; fruits 5-winged, pink to vivid pink and glossy when young.

Terminalia citrina (Gaertn.) Roxb.

Combretaceae

Asiat. Res. 11: 183 (1810) — LAO ສົ້ມມໍ່ໂຄກ





Z63 (FOF0005244)

- **Specimens:** 329 m (Z63).
- **Distribution:** Laos, Myanmar, Thailand, Vietnam; W Himalaya to Malesia.
- **Notes:** trees, 8 m tall, found at edge of seasonal evergreen forest, by rivers; leaves subopposite; fruits oblong and green, used in medicine in the southern part of Malay peninsula (Fleming, 1810).

Lagerstroemia calyculata Kurz

Lythraceae

J. Asiat. Soc. Bengal, Pt. 2, Nat. Hist. 41: 307 (1872) — LAO ເຝືອຍດອກຂາວ





Z496 (FOF0005638)

- **Specimens:** 387 m (Z496), 405 m (Z183).
- **Distribution:** Cambodia, Laos, Myanmar, Thailand, Vietnam; Peninsular Malaysia.
- **Notes:** deciduous large trees, to 40 m tall, common in seasonal evergreen forest; fruits ca. 1 cm long, fruiting calyx not ridged.

Syzygium balsameum (Wight) Wall. ex Walp.

Myrtaceae

Repert. Bot. Syst. 2: 179 (1843) — LAO ຫວ້າປອກ





Z718 (FOF0005849)

- **Specimens:** 550 m (Z718).
- **Distribution:** Laos, Myanmar, Thailand, Vietnam; Tibet to S China & Peninsular Malaysia.
- **Notes:** trees, found along streams in evergreen forest; leaves shorter than 12 cm, with ca. 12 pairs of secondary veins; hypanthium obconic, ca. 2.5 cm long.

Syzygium claviflorum (Roxb.) Wall. ex Steud. — Myrtaceae

Nomencl. Bot., ed. 2, 2: 657 (1841) — LAO ຫວ້າຂີ້ກາງ





Z1155 (FOF0006265)

- **Specimens:** 602 m (Z1155).
- **Distribution:** Cambodia, Laos, Myanmar, Thailand, Vietnam; India to S China, Malesia & Australia.
- **Notes:** trees, occasional in evergreen forest; leaf blades thinly leathery, base broadly cuneate, apex obtuse; inflorescences in axils of leaves or on twigs behind leaves; hypanthium clavate, ca. 1 cm long.

Syzygium coarctatum (Blume) Byng, N.Snow & Peter G.Wilson — Myrtaceae

Phytotaxa 217: 105 (2015) — LAO ຫວ້າຫີນ





Z1134 (FOF0006246)

- **Specimens:** 279 m (L173), 416 m (Z1134).
- **Distribution:** Cambodia, Laos, Myanmar, Thailand, Vietnam; Bangladesh to S China.
- **Notes:** trees, common at streamside; flowers white or purple; hypanthium obconic, ca. 2 cm long; previously known as *Syzygium megacarpum* (Craib) Rathakr. & N.C.Nair, which is now a synonym of this species.

Syzygium sp.

Myrtaceae

[in prep.] — LAO ຫວ້າຄຳມ່ວນ





Z962 (FOF0006079)

- **Specimens:** 706 m (Z962).
- **Distribution:** endemic to Laos.
- **Notes:** trees, found only one individual in seasonal evergreen forest; leaves with 26–30 pairs of secondary veins; hypanthium 1 cm long, strongly 4-angular.

Syzygium oblatum (Roxb.) Wall. ex A.M.Cowan & Cowan

Myrtaceae

Trees N. Bengal: 68 (1929) — LAO ຫວ້າໃບຍາວ





Z965 (KAG187374)

- **Specimens:** 706 m (Z965).
- **Distribution:** Cambodia, Laos, Myanmar, Thailand, Vietnam; Tibet, Bangladesh to S China, W Malesia.
- **Notes:** trees, to 15 m tall, scattered along margins of evergreen and semi-evergreen forests; abaxial surface of leaf blades with numerous gland dots; hypanthium funnel-shaped, not pustulate; the photo of fl. from Ban Nakhue Nok (*Tagane et al. Z1254*) in March.

Syzygium ripicola (Craib) Merr. & L.M.Perry

Myrtaceae

Brittonia 4: 127 (1941) — LAO ກຽງນິກ





Z26 (FOF0005220)

- **Specimens:** 315 m (Z26).
- **Distribution:** Cambodia, Laos, Myanmar, Thailand, Vietnam.
- **Notes:** trees, rheophytic and common along rivers and streams; leave narrowly oblong to lanceolate, with 13–20 pairs of secondary veins; hypanthium ca. 4 mm long.

Syzygium siamense (Craib) Chantar. & J.Parn.

Myrtaceae

Kew Bull. 48: 609 (1993) — LAO ຫວ້ານ້ຳ





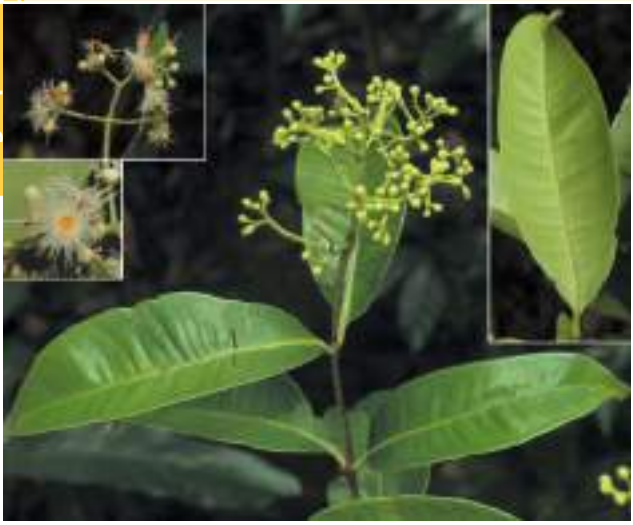
Z1167 (FOF0006275)

- **Specimens:** 602 m (Z1167).
- **Distribution:** Cambodia, Laos, Myanmar, Thailand, Vietnam; W Malesia.
- **Notes:** trees, occasional in evergreen forest, often common along streams; leaves with 9–14 pairs of secondary veins; hypanthium broadly funnel-shaped, ca 1.5 cm long.

Syzygium thumra (Roxb.) Mason

Myrtaceae

Fl. Burma.: 554 (1851) — LAO ຫວ້າໜວງ





Z1156 (FOF0006266)

- **Specimens:** 602 m (Z1156).
- **Distribution:** Cambodia, Laos, Myanmar, Thailand; Bangladesh to S China & Peninsular Malaysia.
- **Notes:** trees, scattered in seasonal evergreen forest; leaves elliptic to ovate-elliptic, with 14–18 pairs of secondary veins; hypanthium 4.5–5.5 mm long; our specimen matched *Syzygium sphaeranthum* (Gagnep.) Merr. & L.M.Perry (type from 'Attopeu', southern Laos), which is now treated as synonym of this species.

Melastoma orientale Guillaumin

Melastomataceae

Bull. Soc. Bot. France 60: 366, 402 (1913) — LAO ເອັນອ້າ





Z1339 (FOF0006435)

- **Specimens:** 203 m (Z1339), 258 m (L995), 427 m (Z588), 459 m (Z608).
- **Distribution:** Laos, Myanmar, Thailand, Vietnam.
- **Notes:** shrubs, common in open disturbed areas, roadside thickets; stems 4-angular, covered with bristles; leaves shorter than 10 cm long, with 3–5 prominent longitudinal veins; stamens 10, anthers curved.

Oxyspora curtisii King

Melastomataceae

J. Asiat. Soc. Bengal, Pt. 2, Nat. Hist. 69: 9 (1900) — LAO ມັງເລ່ຫົນ





L1176 (FOF0010010)

- **Specimens:** 231 m (Z655), 469 m (Z574), 665 m (L1176).
- **Distribution:** Laos, Thailand, Vietnam; Peninsular Malaysia.
- **Notes:** shrubs, 1 m tall, scattered in evergreen forest. Our collections match *Allomorphia eupteroton* Guillaumin and *A. laotica* Guillaumin, which are now treated as synonyms of *Oxspora curtisii*.

Pseudodissochaeta assamica (C.B.Clarke) Nayar

Melastomataceae

J. Bombay Nat. Hist. Soc. 65: 559 (1969) — LAO ຄະລິງນ້ຳ





Z877 (FOF0005999)

- **Specimens:** 282 m (L1018), 329 m (Z34), 606 m (Z877).
- **Distribution:** Laos, Myanmar; E Himalaya & Assam.
- **Notes:** shrubs, occasional on evergreen forest margins, streamside, roadside; easily distinguished by its 4-angular stems, subsessile leaves, and presence of dense bristles on nodes and petioles.

Sonerila maculata Roxb.

Melastomataceae

Fl. Ind. 1: 180 (1820) — LAO ຊີດິນໃບຈຸດ





Z136 (FOF0005312)

- **Specimens:** 387 m (Z136).
- **Distribution:** Cambodia, Laos, Myanmar, Thailand, Vietnam; Nepal to S China & W Malesia.
- **Notes:** perennial herbs, 25 cm tall; found in shaded areas of evergreen forests; leaf blades with white orbicular patches, both surfaces sparsely pubescent.

Bouea oppositifolia (Roxb.) Meisn.

Anacardiaceae

Pl. Vasc. Gen. 2: 55 (1837) — LAO ໝາກຜາງ





L228 (FOF0003025)

- **Specimens:** 238 m (L228).
- **Distribution:** Cambodia, Laos, Myanmar, Thailand, Vietnam; Bangladesh to S China & W Malesia.
- **Notes:** trees, 10 m tall or more, occasional in seasonal evergreen forest; leaves opposite, leathery, tertiary veins hardly visible when dry.

Choerospondias axillaris (Roxb.) B.L.Burtt & A.W.Hill

Anacardiaceae

Ann. Bot. (Oxford), n.s., 1: 254 (1937) — LAO ໝາກມ໋ວ





L130 (FOF0002979)

- **Specimens:** 238 m (L130).
- **Distribution:** Cambodia, Laos, Myanmar, Thailand, Vietnam; Tibet to Japan.
- **Notes:** trees, 10 m tall or more, widely found on seasonal evergreen forest margins, hill slope; leaves imparipinnate with 3–6 leaflets.

Rhus chinensis Mill.

Anacardiaceae

Gard. Dict., ed. 8.: n.° 7 (1768) — LAO ສົ້ມພິດ





Z181 (FOF0005351)

- **Specimens:** 405 m (Z181).
- **Distribution:** Cambodia, Laos, Myanmar, Thailand, Vietnam; Pakistan to Japan & W Malesia.
- **Notes:** small trees, 5 m tall, scattered on seasonal evergreen forest margins; inflorescences terminal panicles; fruits very sour.

Allophylus cobbe (L.) Forsyth f.

Sapindaceae

Bot. Nomencl.: 226 (1794) — LAO ต่ำไส





Z374 (FOF0005534)

- **Specimens:** 272 m (L1038), 490 m (Z374).
- **Distribution:** Cambodia, Laos, Myanmar, Vietnam; India to Peninsular Malaysia & Philippines.
- **Notes:** shrubs, 3 m tall, scattered in evergreen forest; leaves trifoliate; inflorescences axillary, racemose; flowering in September.

Amesiodendron chinense (Merr.) Hu

Sapindaceae

Bull. Fan Mem. Inst. Biol., Bot. 7: 209 (1936) — LAO ไม้ฮ้วม





L409 (FOF0003184)

- **Specimens:** 258 m (L409), 272 m (L1041).
- **Distribution:** Laos, Myanmar, Thailand, Vietnam; S China & W Malesia.
- **Notes:** trees, 15 m tall, occasional in evergreen forest; twigs densely lenticellate; leaflets oblong to ovate-oblong, 4–6 per side.

Lepisanthes rubiginosa (Roxb.) Leenh. — Sapindaceae

Blumea 17: 82 (1969) — LAO ໝາກຫາວດ





Z943 (KAG187353)

- **Specimens:** 238 m (L105), 640 m (Z943).
- **Distribution:** Cambodia, Laos, Myanmar, Thailand, Vietnam; India to S China, Malesia & SW Pacific.
- **Notes:** trees, 1.5–3 m tall, very common in disturbed areas, thickets, seasonal evergreen forest, also on limestone; twigs, petiole and lower leaf surface densely ferruginous tomentose.

Nephelium hypoleucum Kurz — Sapindaceae

J. Asiat. Soc. Bengal, Pt. 2, Nat. Hist. 40: 50 (1871) — LAO ໝາກແງ





L370 (FOF0003088)

- **Specimens:** 268 m (L370).
- **Distribution:** Cambodia, Laos, Myanmar, Thailand, Vietnam; E Himalaya & Peninsular Malaysia.
- **Notes:** trees, 20 m tall or more, occasional in evergreen and seasonal evergreen forests; leaves paripinnate; leaflets 3–4 pairs, glaucous abaxially.

Pometia pinnata J.R.Forst. & G.Forst.

Sapindaceae

Char. Gen. Pl.: 110 (1776) — LAO ແຕງນ້ຳ





Z1408 (FOF0006502)

- **Specimens:** 256 m (Z1408), 321 m (Z511), 539 m (L1066).
- **Distribution:** Laos, Myanmar, Thailand, Vietnam; Sri Lanka, S China to S Pacific.
- **Notes:** trees, 25 m tall, occasional in evergreen forest, often along rivers; flowering specimens collected in March and fruiting in September.

Xerospermum noronhianum (Blume) Blume

Sapindaceae

Rumphia 3: 100 (1847 publ. 1849) — LAO ຄໍແລນເຂົ້າ





Z175 (FOF0005346)

- **Specimens:** 228 m (L35), 405 m (Z175), 515 m (Z230).
- **Distribution:** Cambodia, Laos, Myanmar, Thailand, Vietnam; Bangladesh to S China & W Malesia.
- **Notes:** trees, to 25 m tall, common in evergreen forest; leaves pinnately compound, glabrous; leaflets 1–4 pairs; fruits green when young, ripening yellowish-orange.

Citrus hystrix DC.

Rutaceae

Cat. Pl. Horti Monsp.: 97 (1813) — LAO ໝາກຂີ້ ຫຼຸດ





L1081 (FOF0005148)

- **Specimens:** 539 m (L1081).
- **Distribution:** Cambodia, Laos, Myanmar, Thailand, Vietnam; Bangladesh to S China, Malesia & W Pacific.
- **Notes:** trees, 5 m tall, scattered in evergreen forest on limestone; branches with spines; petioles winged; fruits slightly depressed globose.

Clausena excavata Burm.f.

Rutaceae

Fl. Indica: 89 (1768) — LAO ຫວດໝອນ





Z1272 (FOF0006367)

- **Specimens:** 203 m (Z1272).
- **Distribution:** Cambodia, Laos, Myanmar, Thailand, Vietnam; India to S China & Malesia.
- **Notes:** shrubs or small trees, 3 m tall; occasional in disturbed areas and forest edges; leaflets usually with more than 20, smaller than 3 cm long.

Glycosmis sp. 1

Rutaceae

[in prep.] — LAO ລົ້ມຊຶ່ນກ້ານຫ່ຽມ





Z663 (FOF0005794)

- **Specimens:** 231 m (Z663).
- **Distribution:** endemic to Laos.
- **Notes:** shrubs to 1.5 m tall, locally common in evergreen forest on limestone; young twigs angular, flattened, glabrous; leaves simple, ovate to elliptic; anthers pubescent with long brown hairs; ovaries 5-locular; flowering and fruiting in March and November.

Glycosmis sp. 2

Rutaceae

[in prep.] — LAO ລົ້ມຊຶ່ນຂົນ





Z1124 (KAG187529)

- **Specimens:** 416 m (Z1124).
- **Distribution:** endemic to Laos.
- **Notes:** shrubs, 3 m tall, locally common in evergreen forest on limestone; twigs ferruginous pubescent when young, glabrescent; leaves pinnately compound, with 4–7 leaflets; ovaries and young fruits densely covered with ferruginous hairs.

Melicope glomerata (Craib) T.G.Hartley

Rutaceae

Allertonia 8: 263 (2001) — LAO ມ່ວງລີສີ





Z124 (FOF0005304)

- **Specimens:** 387 m (Z124).
- **Distribution:** Laos, Myanmar, Thailand; S China.
- **Notes:** shrubs, 1.5 m tall, locally common in evergreen forest edge and roadside thickets; leaves simple, rarely trifoliate when juvenile.

Micromelum minutum (G.Forst.) Wight & Arn.

Rutaceae

Prodr. Fl. Ind. Orient. 1: 468 (1834) — LAO ສະມັດ





Z885 (FOF0006008)

- **Specimens:** 194 m (Z1356), 235 m (Z685), 268 m (L399), 280 m (Z1182), 621 m (Z885).
- **Distribution:** Cambodia, Laos, Myanmar, Thailand, Vietnam; Sri Lanka to S China, Malesia & W Pacific.
- **Notes:** shrubs, 2 m tall, very common in disturbed areas, thickets, and forest edges; leaflets less than 15, 3–5 cm long.

Zanthoxylum scandens Blume

Rutaceae

Bijdr. Fl. Ned. Ind.: 249 (1825) — LAO ຊ່າໝາກແຂ່ນເຄືອ





L1173 (FOF0010009)

- **Specimens:** 665 m (L1173).
- **Distribution:** Cambodia, Laos, Myanmar, Vietnam; Assam to Japan (Ryukyu Islands) & W Malesia.
- **Notes:** scandent shrubs to climbers, 8 m tall, scattered in evergreen forest on limestone; all part glabrous, with prickles on twigs, petioles and rachises of leaves; newly recorded in Laos based on our collection (Tagane *et al.* 2017).

Brucea javanica (L.) Merr.

Simaroubaceae

J. Arnold Arbor. 9: 3 (1928) — LAO ເພ້ຍຟານ





Z1359 (FOF0006455)

- **Specimens:** 194 m (Z1359).
- **Distribution:** Cambodia, Laos, Myanmar, Thailand, Vietnam; India to S China, Malesia, SW Pacific & Australia.
- **Notes:** shrubs to small tree, 6 m tall, occasional in secondary forests, roadside thickets, agricultural land; leaflets 3–15, margin serrate.

Eurycoma longifolia Jack

Simaroubaceae

Malayan Misc. 2(7): 45 (1822) — LAO ຍົກບໍ່ຖອງ





Z668 (KAG187092)

- **Specimens:** 231 m (Z668), 238 m (L276), 515 m (Z241).
- **Distribution:** Cambodia, Laos, Myanmar, Thailand, Vietnam; Malesia.
- **Notes:** trees, to 7 m tall, occasional in seasonal evergreen forest, roadside thickets; leaflets dark green, glossy adaxially, pale green abaxially, margin entire.

Picrasma javanica Blume

Simaroubaceae

Bijdr. Fl. Ned. Ind.: 248 (1825) — LAO ໃບງ໊ວ





L1047 (FOF0009988)

- **Specimens:** 268 m (L1047).
- **Distribution:** Cambodia, Laos, Myanmar, Vietnam; India to Malesia.
- **Notes:** trees, 5 m tall, scattered in streamside in evergreen forest; leaves compound, with 2–3 pairs of leaflets, glabrous; flowers 4-merous; fruits depressed globose, dark blue when mature.

Aglaia simplicifolia (Bedd.) Harms

Meliaceae

H.G.A.Engler & K.A.E.Prantl, Nat. Pflanzenfam. 3(4): 300 (1896) — LAO ກະດູກລີງ





Z1329 (FOF0006425)

- **Specimens:** 185 m (Z1329), 203 m (Z1259), 238 m (L182), 539 m (L1082).
- **Distribution:** Laos, Myanmar, Thailand, Vietnam; India, W & C Malesia.
- **Notes:** shrubs, 5 m tall, occasional in evergreen forest; characterized by its stellate-hairy buds and simple leaves.

Reinwardtiodendron humile (Hassk.) Mabb.

Meliaceae

Malaysian Forester 45: 452 (1982) — LAO ໝາກຕ້ອງປ່າ





L351 (FOF0009966)

- **Specimens:** 268 m (L351).
- **Distribution:** Cambodia, Laos, Thailand, Vietnam; Hainan, W & C Malesia.
- **Notes:** trees, 20 m tall, scattered in evergreen forest; distinguished from other species of Meliaceae in Nam Kading by its leaflets glossy, glabrous, and with numerous and narrowly-arranged secondary veins.

Toona ciliata M.Roem. — Meliaceae

Fam. Nat. Syn. Monogr. 1: 139 (1846) — LAO ຍົມຕຸ





Z966 (KAG187375)

- **Specimens:** 621 m (Z966).
- **Distribution:** Cambodia, Laos, Myanmar, Thailand, Vietnam; tropical to subtropical Asia.
- **Notes:** large trees, 30 m tall or more, common in seasonal evergreen forest at higher elevations; infructescence pendulous; fruits ellipsoid, to 2 cm long, lenticellate, collected in March.

Abroma augustum (L.) L.f. — Malvaceae

Suppl. Pl.: 341 (1782) — LAO ທຽນດຳ





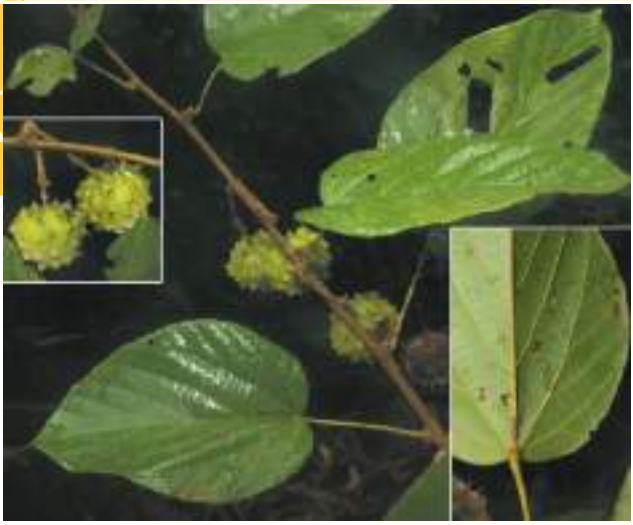
Z503 (KAG186936)

- **Specimens:** 321 m (Z503).
- **Distribution:** Cambodia, Laos, Myanmar, Thailand, Vietnam; Napal to S China & Malesia.
- **Notes:** shrubs to small trees; occasional at edge of seasonal evergreen forest, roadside thickets, disturbed areas; twigs and leaves covered with bristly hairs; flowers dark red.

Ayenia grandifolia (DC.) Christenh. & Byng

Malvaceae

Global Fl. 4: 136 (2018) — LAO ປໍຫມາກຫມາມ





Z499 (KAG186932)

- **Specimens:** 387 m (Z499).
- **Distribution:** Cambodia, Laos, Myanmar, Thailand, Vietnam; India to S China.
- **Notes:** woody climbers, common in seasonal evergreen forest; capsule ca. 3 cm in diam., with spines.

Bombycidendron grewiifolium (Hassk.) Zoll. & Moritzi

Malvaceae

Natuur- Geneesk. Arch. Ned.-Indië 2: 14 (1845) — LAO ຜ່າສາມ





Z953 (FOF0006070)

- **Specimens:** 406 m (Z99), 720 m (Z953).
- **Distribution:** Laos, Myanmar, Thailand, Vietnam; Hainan & Jawa.
- **Notes:** trees, 8 m tall, scattered in seasonal evergreen forest; sometimes treated as *Hibiscus grewiifolius* Hassk. (*Hibiscus* sects. *Bombycidendron* (Zoll. & Moritzi) Borss.).

Grewia lacei J.R.Drumm. & Craib

Malvaceae

Bull. Misc. Inform. Kew 1911: 21 (1911) — LAO ໝາດນົກ, ຄໍແຫ້ມ





Z88 (FOF0005271)

- **Specimens:** 406 m (Z88).
- **Distribution:** Laos, Myanmar, Thailand; S China.
- **Notes:** trees, 4 m tall, occasional at forest edge, roadside thickets along agricultural land; easily recognized by its densely rust-brown tomentose twigs and leaves and narrowly lanceolate leaf blades.

Helicteres hirsuta Lour.

Malvaceae

Fl. Cochinch.: 530 (1790) — LAO ປໍດ່ອນ, ປໍເຕົ່າໄຫ້, ຂີ້ອົ້ນ





Z97 (FOF0005281)

- **Specimens:** 406 m (Z97).
- **Distribution:** Cambodia, Laos, Myanmar, Thailand, Vietnam; Bangladesh to Philippines & Peninsular Malaysia.
- **Notes:** shrubs, 1.5 m tall, common in open thickets, forest edge; leaves ovate to ovate-oblong, margin dentate; flowers reddish-purple.

Helicteres viscida Blume

Malvaceae

Bijdr. Fl. Ned. Ind.: 79 (1825) — LAO ປໍຂີ້ອົ້ນ





Z646 (FOF0005778)

- **Specimens:** 348 m (Z646), 706 m (Z964).
- **Distribution:** Laos, Myanmar, Thailand, Vietnam; S China to Peninsular Malaysia.
- **Notes:** shrubs, 1.5 m tall, common at roadside, forest edge; leaves suborbicular, margin lobed; flowers white; capsule cylindric, densely villous hairy.

Pterospermum cinnamomeum Kurz

Malvaceae

Forest Fl. Burma 1: 147 (1874) — LAO ໝາກຫຳງົ້ວ





L1165 (FOF0005069)

- **Specimens:** 185 m (L1165).
- **Distribution:** Cambodia, Laos, Myanmar, Thailand.
- **Notes:** trees, 10 m tall, occasional in seasonal evergreen forest; leaf base obtuse to slightly auriculate, symmetric or slightly oblique.

Pterospermum semisagittatum Buch.-Ham. ex Roxb.

Malvaceae

Mém. Mus. Hist. Nat. 10: 113 (1823) — LAO ຂາມຄ໊ອະ





Z197 (FOF0005366)

- **Specimens:** 365 m (Z197).
- **Distribution:** Cambodia, Laos, Myanmar, Thailand, Vietnam; India to Assam.
- **Notes:** trees, 8 m tall, locally common in disturbed areas, roadside thickets near agricultural land; leaf base strongly sagittate, asymmetric.

Gyrinops vidalii P.H.Hô

Thymelaeaceae

Bull. Mus. Natl. Hist. Nat., B, Adansonia 8: 242 (1986) — LAO ເກາດສະໝານ້ອຍ





Z1296 (FOF0006391)

- **Specimens:** 220 m (Z1296).
- **Distribution:** Laos, Thailand.
- **Notes:** trees, 10 m tall, occasional in evergreen forest; flowering in June; type (*J.Vidal 1792*, P00713423-holo, P00713424-iso) collected from Vientiane, Laos.

Dipterocarpus costatus C.F.Gaertn.

Dipterocarpaceae

Suppl. Carp. 3: 50 (1805) — LAO ยางแดง





Z280 (FOF0005442)

- **Specimens:** 515 m (Z280).
- **Distribution:** Cambodia, Laos, Myanmar, Thailand, Vietnam; Bangladesh to Peninsular Malaysia.
- **Notes:** large trees, found in seasonal evergreen forests; easily recognized by its densely tufted-hairy young twigs, buds, petioles, and lower leaf surface.

Dipterocarpus grandiflorus (Blanco) Blanco

Dipterocarpaceae

Fl. Filip., ed. 2.: 314 (1845) — LAO ยางยูง





L50 (FOF0005064)

- **Specimens:** 291 m (L50).
- **Distribution:** Laos, Myanmar, Thailand, Vietnam; Bangladesh to C Malesia.
- **Notes:** large trees, locally common in evergreen forest at lowlands, but rapidly disappearing due to logging and conversion of their habitat to agricultural lands.

Hopea helferi (Dyer) Brandis

Dipterocarpaceae

J. Linn. Soc., Bot. 31: 62 (1895) — LAO ຍາງອາດ





Z1413 (FOF0006507)

- **Specimens:** 256 m (Z1413), 279 m (L175).
- **Distribution:** Cambodia, Laos, Myanmar, Thailand; Assam to Peninsular Malaysia.
- **Notes:** trees, 20 m tall, occasional in evergreen and seasonal evergreen forests; easily recognized by its lower leaf surface densely covered with grayish brown scales; flowers (*Yahara et al. L175*) were collected in December.

Shorea guiso (Blanco) Blume

Dipterocarpaceae

Mus. Bot. 2: 34 (1856) — LAO ຊີຣາວ





Z267 (FOF0005429)

- **Specimens:** 238 m (L227), 515 m (Z267).
- **Distribution:** Cambodia, Laos, Thailand, Vietnam; W & C Melasia.
- **Notes:** trees, occasional in seasonal evergreen forest; leaves oblong-lanceolate, thinly coriaceous, glabrescent, with an obtuse base; petioles slender, 1–1.2 cm long.

Stixis suaveolens (Roxb.) Baill.

Resedaceae

Bull. Mens. Soc. Linn. Paris 1: 654 (1887) — LAO ນົມສາວ





Z1301 (FOF0006396)

- **Specimens:** 220 m (Z1301), 387 m (Z121).
- **Distribution:** Cambodia, Laos, Myanmar, Thailand, Vietnam; India to S China.
- **Notes:** woody climbers, 5 m, found on seasonal evergreen forest margins; leaves elliptic; fruits ellipsoid to ovoid, covered with yellow or grayish verrucose flecks.

Capparis acutifolia Sweet

Capparaceae

Hort. Brit., ed. 2: 585 (1830) — LAO ຊົງຊໍ້ ໃບແຫຼມ





Z884 (FOF0006007)

- **Specimens:** 416 m (Z1121), 539 m (L1070), 621 m (Z884).
- **Distribution:** Laos, Thailand, Vietnam; S China & Taiwan.
- **Notes:** shrubs, 2–3 m tall, locally common on seasonal evergreen forest margins and thickets; flowers 2–4 in the axils, collected in March; fruiting from May to June.

Crateva magna (Lour.) DC.

Capparaceae

Prodr. 1: 243 (1824) — LAO ผักกุ่มน้ำ





L1167 (FOF0010008)

- **Specimens:** 185 m (L1167).
- **Distribution:** Cambodia, Laos, Myanmar, Thailand, Vietnam; India to Japan, W Malesia.
- **Notes:** trees, 6 m tall, scattered near rivers and streams; twigs gray-brown, lenticellate; fruits ellipsoid, collected in June.

Olax imbricata Roxb.

Olacaceae

Fl. Ind. 1: 169 (1820) — LAO ເຄືອຂົນຕາຊ້າງ





Z1114 (FOF0006225)

- **Specimens:** 285 m (Z1114).
- **Distribution:** Cambodia, Laos, Myanmar, Thailand, Vietnam; India to Taiwan, Malesia & W Pacific.
- **Notes:** trees, 8 m tall, scattered in evergreen forest; twigs densely lenticellate; inflorescences axillary, racemose, up to 2 cm long; flowers with 3 petals, 3 stamens and 5 bifid-staminodes.

Lepionurus sylvestris Blume

Opiliaceae

Bijdr. Fl. Ned. Ind.: 1148 (1827) — LAO ໝາກໝົ້ວ





Z77 (KAG186545)

- **Specimens:** 375 m (Z77), 550 m (Z701), 550 m (Z726).
- **Distribution:** Laos, Myanmar, Thailand, Vietnam; Nepal to S China, W & C Malesia.
- **Notes:** shrubs, 1.5 m tall, scattered in seasonal evergreen forest; twigs glabrous; inflorescences ca. 2 cm long, with conspicuous bracts ca. 6 mm long; newly recorded in Laos based on our collections (Kongxaisavath *et al.* 2023).

Urobotrya siamensis Hiepko

Opiliaceae

Willdenowia 6: 471 (1972) — LAO ຊ່າຜັກຫວ່ານດົ່ງ





L38 (FOF0009955)

- **Specimens:** 228 m (L38).
- **Distribution:** Cambodia, Laos, Myanmar, Thailand, Vietnam.
- **Notes:** shrubs to 2.5 m tall, common in evergreen and seasonal evergreen forest; easily recognized by green, slightly zigzag twigs, narrowly ovate to elliptic leaf blades ca. 10 cm long, and inflorescences in leaf axils or on twigs behind leaves.

Balanophora harlandii Hook.f.

Balanophoraceae

Trans. Linn. Soc. London 22: 426 (1859) — LAO ໜໍ່ດິນ





Z730 (FOF0005861)

- **Specimens:** 550 m (Z730).
- **Distribution:** Laos, Thailand; Assam to E Asia.
- **Notes:** plants parasitic, dioecious, rare in evergreen forest; male inflorescences subspheroid to ovoid; female inflorescences ovoid to ellipsoid.

Balanophora latisepala (Tiegh.) Lecomte

Balanophoraceae

Fl. Indo-Chine 5: 228 (1915) — LAO ຫົວຕັ້ງ





Z626 (FOF0005760)

- **Specimens:** 231 m (Z667), 338 m (Z626).
- **Distribution:** Cambodia, Laos, Thailand, Vietnam; W Malesia.
- **Notes:** plants parasitic, dioecious, occasional in evergreen forest; male inflorescences ellipsoid, elongated to 9 cm long; female inflorescences oblong-ellipsoid to ovoid-ellipsoid.

Tolypanthus pustulatus Barlow

Loranthaceae

Thai Forest Bull., Bot. 33: 3 (2005) — LAO ภาฝาภาบแดง





Z1307 (FOF0006402)

- **Specimens:** 202 m (Z1307).
- **Distribution:** Laos, Thailand.
- **Notes:** parasitic shrubs, found in seasonal evergreen forest along streams; distinguished by its angular involucre fused only in lower half; type (*R. Pooma et al. 4158*, BKF-holo; CANB-iso) from NE Thailand; also recorded in Phou Khao Khouay National Park, Bolikhamxai Province (Lim *et al.* 2016).

Persicaria chinensis (L.) H.Gross

Polygonaceae

Bot. Jahrb. Syst. 49: 269 (1913) — LAO ผักแผอบ้ำ





Z583 (FOF0005722)

- **Specimens:** 469 m (Z583).
- **Distribution:** Cambodia, Laos, Myanmar, Thailand, Vietnam; India to Japan, W & C Malesia.
- **Notes:** perennial herbs, scandent, growing at wet areas in evergreen forest margins, disturbed areas; inflorescence terminal or axillary; peduncle densely hairy; perianth white or yellow-green.

Ancistrocladus tectorius (Lour.) Merr.

Ancistrocladaceae

Lingnan Sci. J. 6: 329 (1928 publ. 1930) — LAO ຫາງມ້າວາງ





Z909 (FOF0006029)

- **Specimens:** 238 m (L216), 621 m (Z909).
- **Distribution:** Cambodia, Laos, Myanmar, Thailand, Vietnam; Bangladesh, Hainan & W Malesia.
- **Notes:** woody climbers with hooks (but erect at juvenile stage), common in evergreen and seasonal evergreen forests; leaves leathery; sepals 5, accrescent in fruit.

Cyathula prostrata (L.) Blume

Amaranthaceae

Bijdr. Fl. Ned. Ind.: 549 (1826) — LAO ໂຄຍງ້ອຍ





Z1189 (FOF0006294)

- **Specimens:** 280 m (Z1189).
- **Distribution:** Cambodia, Laos, Myanmar, Thailand, Vietnam; tropics & subtropics.
- **Notes:** prostrate herbs, 20–40 cm tall, found on evergreen forest margins; almost parts densely covered with short indumentum; inflorescences erect.

Mastixia pentandra Blume subsp. **cambodiana** (Pierre) K.M.Matthew

Blumea 23: 85 (1976) — LAO ໝາກຝ້າກ້າບໃສ

Nyssaceae





Z923 (FOF0006044)

- **Specimens:** 643 m (Z923).
- **Distribution:** Cambodia, Laos, Vietnam; Hainan.
- **Notes:** trees, 20 m tall, found in evergreen forest at higher elevation; branches terete; leaves with petiole 1.5–2.5 cm, leathery; inflorescences puberulous; flowers 5-merous.

Nyssa javanica (Blume) Wangerin

in H.G.A.Engler (ed.), Pflanzenr., IV, 220a: 15 (1910) — LAO ໝາກເຖິນ

Nyssaceae





Z141 (FOF0005315)

- **Specimens:** 405 m (Z141).
- **Distribution:** Cambodia, Laos, Myanmar, Thailand, Vietnam; Bangladesh to S China & W Malesia.
- **Notes:** trees, 25 m tall, occasional along streams in evergreen forest; twigs lenticellate; leaves alternate, crowded near apex of twigs.

Hydrangea febrifuga (Lour.) Y.De Smet & Granados

Hydrangeaceae

Taxon 64: 750 (2015) — LAO ຫ້ອມດິງ





Z151 (FOF0005325)

- **Specimens:** 405 m (Z151).
- **Distribution:** Cambodia, Laos, Myanmar, Thailand, Vietnam; Tibet to E Asia & Malesia.
- **Notes:** shrubs to 2 m tall, occasional in evergreen forest at higher elevations or streamside; leaves opposite, serrate along margin; fruits berry, ripening dark blue.

Impatiens parishii Hook.f.

Balsaminaceae

Fl. Brit. India 1: 456 (1874) — LAO ດອກຫຽນ





Z432 (FOF0005585)

- **Specimens:** 475 m (Z432).
- **Distribution:** Laos, Myanmar & Thailand.
- **Notes:** succulent herbs growing on open or semi-shaded limestone rocks; all part glabrous; pedicels shorter than petioles; lateral sepals pinkish to white, without spots.

Barringtonia macrostachya (Jack) Kurz

Lecythidaceae

Prelim. Rep. Forest Pegu, App. A: lxvi (1875) — LAO ຈິກນົມຍານ





Z834 (KAG187249)

- **Specimens:** 515 m (Z321), 536 m (Z834).
- **Distribution:** Laos, Myanmar, Thailand, Vietnam; Malesia.
- **Notes:** trees, 8 m tall, found in evergreen forest, by dried streams; leaves crowded at the end of twig; blades narrowly lanceolate, to 30 cm long, secondary veins 12–15 pairs; flowering specimens collected in March.

Diospyros apiculata Hiern

Ebenaceae

Trans. Cambridge Philos. Soc. 12: 186 (1873) — LAO ໝາກເກືອໃຂ່ນົກ





Z959 (KAG187368)

- **Specimens:** 238 m (L154), 706 m (Z959).
- **Distribution:** Cambodia, Laos, Thailand; Peninsular Malaysia.
- **Notes:** trees, occasional in seasonal evergreen forest; twigs and leaves covered with spread hairs; fruits subsessile; fruiting calyx deeply divided to or nearly to the base, pubescent on both surfaces.

Diospyros laoensis Tagane & Soulad.

Ebenaceae

Phytotaxa 477: 91 (2020) — LAO ໝາກເກືອລາວ





Z721 (FOF0005852)

- **Specimens:** 228 m (L24), 272 m (L1037), 285 m (Z1113), 550 m (Z721).
- **Distribution:** endemic to Laos.
- **Notes:** trees, locally common in evergreen forest at lower elevations; distinct by its young twigs, petioles and lower leaf surface densely covered with both short and long spread hairs, oblong or oblong-lanceolate leaves with a cordate base.

Diospyros pilosiuscula G.Don

Ebenaceae

Gen. Hist. 4: 39 (1837) — LAO ຕັ້ງດຳ





L1156 (FOF0009999)

- **Specimens:** 185 m (L1156), 238 m (L209).
- **Distribution:** Laos, Myanmar, Thailand, Vietnam; Bangladesh to Peninsular Malaysia.
- **Notes:** trees, locally common in seasonal evergreen forest; leaves usually shorter than 7 cm long, chartaceous to thinly leathery; fruiting stalks about 2 cm long; newly recorded in Laos based on our collections (Tagane *et al.* 2017).

Diospyros undulata Wall. ex G.Don

Ebenaceae

Gen. Hist. 4: 40 (1837) — LAO ໝາກເກືອດຸດຄ່ຳໆ





Z654 (KAG187080)

- **Specimens:** 231 m (Z654), 238 m (L82).
- **Distribution:** Cambodia, Laos, Myanmar, Thailand, Vietnam; Peninsular Malaysia.
- **Notes:** trees, occasional in evergreen and seasonal evergreen forest; characterized by its leaves leathery, glabrous, and with a pair of glands on base of the leaf blades.

Ardisia complanata Wall.

Primulaceae

in W.Roxburgh, Fl. Ind. 2: 280 (1824) — LAO ໝາກຈຳ





L1043 (FOF0009983)

- **Specimens:** 272 m (L1043).
- **Distribution:** Cambodia, Laos, Myanmar, Thailand, Vietnam; Sri Lanka, Bangladesh to C Malesia.
- **Notes:** trees, 6 m tall; common on evergreen forest margins, often streamside. Our specimen matched *Ardisia sanguinolenta* Blume, but it is now treated as a synonym of *A. complanata*.

Ardisia helferiana Kurz

Primulaceae

J. Asiat. Soc. Bengal, Pt. 2, Nat. Hist. 42: 86 (1873) — LAO ติบจำ





Z605 (FOF0005742)

- **Specimens:** 459 m (Z605).
- **Distribution:** Cambodia, Laos, Myanmar, Thailand, Vietnam; Assam.
- **Notes:** shrubs or small trees, 3 m tall, common in seasonal evergreen forest at lowland; twigs, leaves and inflorescences densely hairy; flowers yellowish pale green, with scattered orange or dark yellow dots, glabrous inside.

Ardisia pubicalyx Miq. var. **collinsiae** (H.R.Fletcher) C.M.Hu

Primulaceae

Blumea 44: 404 (1999) — LAO ติบจำถิลิบ





Z387 (FOF0005545)

- **Specimens:** 329 m (Z37), 331 m (Z463), 490 m (Z387).
- **Distribution:** Cambodia, Laos, Thailand, Vietnam; W Malesia.
- **Notes:** shrubs or small trees, 2 m tall, common in seasonal evergreen forest; characterized by its inflorescence pendulous, racemose, and in axils of reduced leaves near apex of lateral branches.

Ardisia villosa Roxb.

Primulaceae

Fl. Ind. 2: 274 (1824) — LAO ກຳລັງຊ້າງເຜືອກ





Z158 (FOF0005330)

- **Specimens:** 194 m (Z1353), 329 m (Z31), 405 m (Z158), 539 m (L1089).
- **Distribution:** Cambodia, Laos, Myanmar, Thailand, Vietnam; S China, Taiwan to W & C Malesia.
- **Notes:** shrubs, 50 cm tall, occasional in seasonal evergreen forest margins; easily recognized by its small habit to 50 cm tall and densely villous twigs, inflorescence, and midrib of leaves.

Embelia ribes Burm.f.

Primulaceae

Fl. Indica: 62 (1768) — LAO ສົ້ມຂີ້ ມ້ອນ





Z880 (FOF0006002)

- **Specimens:** 606 m (Z880).
- **Distribution:** Cambodia, Laos, Myanmar, Thailand, Vietnam; India to S China, W & C Malesia.
- **Notes:** scandent shrubs or climbers, to 10 m tall, widely found from lowlands to higher elevation; leaves glabrous; inflorescences terminal, paniculate; flowers greenish to white.

Maesa ramentacea (Roxb.) A.DC.

Primulaceae

in A.P.de Candolle, Prodr. 8: 77 (1844) — LAO ຈີ່ລໍ





Z1338 (FOF0006434)

- **Specimens:** 203 m (Z1338), 282 m (L1031), 317 m (Z569), 416 m (Z1125).
- **Distribution:** Cambodia, Laos, Myanmar, Thailand, Vietnam; Nepal to S China & Peninsular Malaysia.
- **Notes:** shrubs or small trees, 4 m tall, occasional at seasonal evergreen forest margin, common at roadside thickets near agricultural farmland; corolla white, ca. 1.5 mm in diam.; fruits globose ca. 2 mm in diam., with persistent calyx lobes.

Camellia namkadingensis Soulad. & Tagane

Theaceae

Thai Forest Bull., Bot. 47: 83 (2019) — LAO ຊาน้ำกะดิง





L5 (FOF0004903)

- **Specimens:** 228 m (L1208), 228 m (L5).
- **Distribution:** endemic to Laos.
- **Notes:** trees, 5 m tall, rare in seasonal evergreen forest on limestone; easily recognized by its glabrous twigs, sessile flowers, pink petals, glabrous ovaries and persistent bracteoles in fruits.

Camellia rosacea Tagane, Soulad. & Yahara

Theaceae

Thai Forest Bull., Bot. 47: 86 (2019) — LAO ຊາກຫຼາບແດງ





L407 (FOF0004904)

- **Specimens:** 258 m (L407).
- **Distribution:** endemic to Laos.
- **Notes:** trees, 4 m tall, found only single flowering individual along logging road in evergreen forest; characterized by densely hairy young twigs, petioles and lower leaf surfaces, nodding flowers, and reddish to greenish petal-like bracteoles.

Schima wallichii (DC.) Korth.

Theaceae

Verh. Nat. Gesch. Ned. Bezitt., Bot.: 143 (1842) — LAO ຄາຍໂຊ້





Z199 (FOF0005368)

- **Specimens:** 365 m (Z199).
- **Distribution:** Cambodia, Laos, Myanmar, Thailand, Vietnam; Tibet to S China & Malesia.
- **Notes:** trees, 20 m tall, locally common in evergreen forest; lower leaf surface pale green, not glaucous; leaf margin entire; fruiting pedicles 2.7–3.6 cm long.

Symplocos adenophylla Wall. ex G.Don

Symplocaceae

Gen. Hist. 4: 3 (1837) — LAO ໝີອດ





Z226 (FOF0005389)

- **Specimens:** 515 m (Z226).
- **Distribution:** Laos, Thailand, Vietnam; S China to Malesia.
- **Notes:** trees, 5 m tall, occasional in evergreen forest at higher elevations; twigs yellowish brown when young, later pale gray, leaves narrowly elliptic, almost glabrous.

Symplocos cochinchinensis (Lour.) S.Moore

Symplocaceae

J. Bot. 52: 148 (1914) — LAO ໝີອດຫຼວງ





Z140 (FOF0005314)

- **Specimens:** 405 m (Z140).
- **Distribution:** Cambodia, Laos, Myanmar, Thailand, Vietnam; Tibet to Japan, Malesia, SW Pacific & Australia.
- **Notes:** trees, 10 m tall, scattered in evergreen forest; distinguished from *Symplocos adenophylla* by its most parts covered with brown tomentose hairs and larger leaves longer than 10 cm.

Actinidia latifolia (Gardner & Champ.) Merr.

Actinidiaceae

J. Straits Branch Roy. Asiat. Soc. 86: 330 (1922) — LAO ກີວີປ່າ





Z212 (FOF0005376)

- **Specimens:** 434 m (Z212).
- **Distribution:** Cambodia, Laos, Thailand, Vietnam; S China to W Malesia.
- **Notes:** woody climbers, scattered in seasonal evergreen forest; fruits subglobose to ovoid, brown, pubescent, with persistent calyx and stigma.

Iodes cirrhosa Turcz.

Icacinaceae

Bull. Soc. Imp. Naturalistes Moscou 27(II): 281 (1854 publ. 1855) — LAO ທ້ອງປ້ຽ





Z502 (FOF0005644)

- **Specimens:** 387 m (Z502).
- **Distribution:** Laos, Myanmar, Thailand, Vietnam; E Himalaya to S China, W & C Malesia.
- **Notes:** woody climbers, with tendrils, occasional at the edge of semi-evergreen forest; leaves opposite; branchlets densely covered in ferruginous hairs; fruiting in September.

Apodytes dimidiata E.Mey. ex Arn.

Metteniusaceae

J. Bot. (Hooker) 3: 155 (1840) — LAO ພັບດິງ





Z938 (FOF0006057)

- **Specimens:** 643 m (Z938).
- **Distribution:** Cambodia, Laos, Myanmar, Thailand, Vietnam; tropical & subtropical Old World.
- **Notes:** trees, occasional in evergreen forest at higher elevations; leaves usually black when dry; flowers white.

Pittosporopsis kerrii Craib

Metteniusaceae

Bull. Misc. Inform. Kew 1911: 28 (1911) — LAO ຂີ້ມຈີ





Z630 (KAG187056)

- **Specimens:** 348 m (Z630).
- **Distribution:** Laos, Myanmar, Thailand, Vietnam; S China.
- **Notes:** trees, 5 m tall, locally common in seasonal evergreen forest, also on limestone area; leaves elliptic-oblanceolate; flowers 5-merous; petals spatulate, free, 5–6 mm long.

Adina pilulifera (Lam.) Franch. ex Drake — Rubiaceae

J. Bot. (Morot) 9: 207 (1895) — LAO ຂາວເປືອຍ





Z64 (FOF0005245)

- **Specimens:** 329 m (Z64).
- **Distribution:** Laos, Vietnam; S China to Japan.
- **Notes:** trees, commonly found in riverside of the Nam Aan River; inflorescences terminal and in axils of uppermost leaves, capitate with globose heads ca. 5 mm in diam. (across calyces), ca. 1 cm (across corollas); newly recorded in Laos based on our collection (Kongxaisavath *et al.* 2023).

Chassalia curviflora (Wall.) Thwaites — Rubiaceae

Enum. Pl. Zeyl.: 150 (1859) — LAO ເຂັ້ມພະລາມ





Z120 (FOF0005300)

- **Specimens:** 203 m (Z1261), 238 m (L236), 258 m (L990), 387 m (Z120), 520 m (Z1145).
- **Distribution:** Cambodia, Laos, Myanmar, Thailand, Vietnam; India to S China, W & C Malesia.
- **Notes:** shrubs, to 2 m tall; common in evergreen and seasonal evergreen forest; peduncle becoming swollen and red; fruit globose, green when young, becoming black when mature.

Coptosapelta laotica Valeton

Rubiaceae

in H.Lecomte, Fl. Indo-Chine 3: 55 (1922) — LAO ຂັດເຄົ້າເຫຼືອຂາວ





Z105 (KAG186570)

- **Specimens:** 406 m (Z105).
- **Distribution:** Laos, Vietnam.
- **Notes:** woody climbers, found in thickets along agricultural land and seasonal evergreen forest margins; flower yellow to red, with the stigma inserted at the throat.

Coptosapelta tomentosa (Blume) Valeton ex K.Heyne

Rubiaceae

Nutt. Pl. Ned.-Ind., ed. 2, 2: 1384 (1927) — LAO ຂັດເຄົ້າຂົນ





Z98 (FOF0005282)

- **Specimens:** 406 m (Z98), 515 m (Z340).
- **Distribution:** Cambodia, Laos, Myanmar, Thailand, Vietnam; W & C Malesia.
- **Notes:** woody climbers, occasional in seasonal evergreen forest; young stems and inflorescence densely covered with light brown hairs; lamina oblong to ovate; flowers greenish-yellow and hairy, with a small calyx limb.

Duperrea pavettifolia (Kurz) Pit. — **Rubiaceae**

in H.Lecomte, Fl. Indo-Chine 3: 334 (1924) — LAO ເຂັມດົງ





L980 (FOF0005085)

- **Specimens:** 258 m (L980).
- **Distribution:** Cambodia, Laos, Myanmar, Thailand, Vietnam; S China.
- **Notes:** shrubs, 1.5 m tall, scattered in evergreen forest; flowering in June; easily recognized by its linear calyx lobes 4 mm long.

Geophila herbacea (Jacq.) K.Schum. — **Rubiaceae**

in H.G.A.Engler & K.A.E.Prantl, Nat. Pflanzenfam. 4(4): 119 (1891) — LAO ມະລິເຄືອ





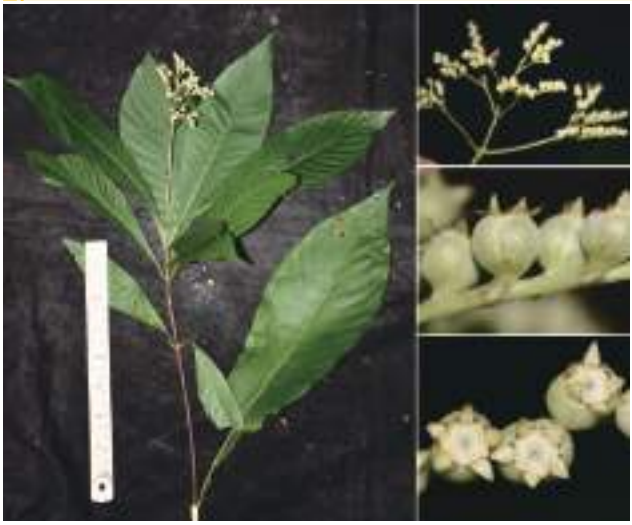
Z734 (FOF0005865)

- **Specimens:** 550 m (Z734).
- **Distribution:** Cambodia, Laos, Myanmar, Thailand, Vietnam; tropical to subtropical Old World to Pacific.
- **Notes:** creeping herbs in seasonal evergreen forest; formerly included in *Geophila repens*, but Old World plants placed in separate molecular clade from those of New World (Razafimandimbison *et al.* 2024), now classified as *G. herbacea* (Lim *et al.* 2019).

Greenea sp.

Rubiaceae

[in prep.] — LAO ພາຂອັນນ້ຳກະດິງ





Z702 (FOF0005833)

- **Specimens:** 515 m (Z388), 550 m (Z702).
- **Distribution:** endemic to Laos.
- **Notes:** trees, to 3 m tall, occasional at seasonal evergreen forest margins on limestone hill, at alt. 450–550 m; flowering in November and fruiting in January to March.

Gynochthodes umbellata (L.) Razafim. & B.Bremer

Rubiaceae

Adansonia, sér. 3, 33: 296 (2011) — LAO ຊ່ານໍ





Z322 (FOF0005483)

- **Specimens:** 515 m (Z322).
- **Distribution:** Cambodia, Laos, Thailand, Vietnam; India to Japan, Malesia to W Pacific.
- **Notes:** Woody climbers, scattered in seasonal evergreen forests; stipules triangular and connate at the base; midribs prominent below and sunken to slightly prominent above, glabrous.

Ixora javanica (Blume) DC. — Rubiaceae

Prodr. 4: 487 (1830) — LAO ເຂັມແສດ





Z5 (KAG186477)

- **Specimens:** 315 m (Z5), 515 m (Z242).
- **Distribution:** Cambodia, Laos, Myanmar, Thailand, Vietnam; E Himalaya to W Malesia.
- **Notes:** shrubs, found in seasonal evergreen forest; fruits berries, green when young, ripening reddish-orange, with two seeds per fruit.

Ixora nigricans R.Br. ex Wight & Arn. — Rubiaceae

Prodr. Fl. Ind. 1: 428 (1834) — LAO ເຂັມນ້ຳ





Z46 (FOF0005236)

- **Specimens:** 185 m (L1142), 228 m (L22), 329 m (Z46).
- **Distribution:** Cambodia, Laos, Myanmar, Thailand, Vietnam; India to C Malesia.
- **Notes:** shrubs, glabrous, common in seasonal evergreen forest; inflorescence with many white flowers, fragrant; fruits berries, subglobose with a persistent stigma; leaves black when dry.

Lasianthus attenuatus Jack

Rubiaceae

Trans. Linn. Soc. London 14: 126 (1823) — LAO ປັດຂົມແດງ





Z836 (FOF0005963)

- **Specimens:** 515 m (Z346), 537 m (Z836).
- **Distribution:** Cambodia, Laos, Myanmar, Thailand, Vietnam; Nepal to Japan & Malesia.
- **Notes:** shrubs, 1.5 m tall; common in evergreen and seasonal evergreen forest; all parts densely covered with hairs; leaf base slightly cordate, slightly to markedly oblique.

Lasianthus biflorus (Blume) M.Gangop. & Chakrab.

Rubiaceae

J. Econ. Taxon. Bot. 16: 338 (1992) — LAO ແຫ້ວນົກຂໍ້ສອງສີ





Z416 (FOF0005571)

- **Specimens:** 515 m (Z367, Z416), 537 m (Z839).
- **Distribution:** Cambodia, Laos, Thailand, Vietnam; S China & Taiwan to C Malesia.
- **Notes:** shrubs, 2 m tall, scattered in seasonal evergreen forest; easily recognized by its densely hirsute twigs, small leaves up to 2.5 cm long, and fruits long pedunculate and ripening black; newly recorded in Laos based on our collection (Pham *et al.* 2025).

Lasianthus chrysoneurus (Korth.) Miq.

Rubiaceae

Fl. Ned. Ind. 2: 322 (1857) — LAO ແຫ້ວນົກຂໍ່





Z354 (FOF0005514)

- **Specimens:** 515 m (Z354), 537 m (Z841).
- **Distribution:** Cambodia, Laos, Myanmar, Thailand, Vietnam; Bangladesh to S China & Malesia.
- **Notes:** shrubs, occasional in a seasonal evergreen forest; young stems, petioles and abaxial leaf surface densely covered with appressed light brown hairs; lateral veins 7–10 pairs.

Lasianthus hirsutus (Roxb.) Merr.

Rubiaceae

J. Arnold Arbor. 33: 229 (1952) — LAO ເຈັດຊ້ຽງສາມໃຫຍ່





Z248 (FOF0005411)

- **Specimens:** 515 m (Z248).
- **Distribution:** Cambodia, Laos, Myanmar, Thailand, Vietnam; India to Japan (Ryukyu Islands) & Malesia.
- **Notes:** shrubs, to 2 m tall, occasional in seasonal evergreen forests; leaves subleathery, oblong to elliptic-oblong, covered with spreading hirsute hairs; bracts leafy and conspicuous.

Lasianthus hispidulus (Drake) Pit. — **Rubiaceae**

in H.Lecomte, Fl. Indo-Chine 3: 393 (1924) — LAO ປັດຂົນ





Z417 (FOF0005572)

- **Specimens:** 515 m (Z417).
- **Distribution:** Cambodia, Laos, Thailand, Vietnam; S China to Japan (Ryukyu Islands) & Malesia.
- **Notes:** shrubs, up to 1.5 m tall; found a few individuals in seasonal evergreen forest; characterized by its branches, petioles, lower leaf surface and calyx densely covered with villous or strigillose hairs; newly recorded in Laos based on our collection (Pham *et al.* 2025).

Lasianthus sarmentosus Craib — **Rubiaceae**

Bull. Misc. Inform. Kew 1933: 25 (1933) — LAO ແຫ້ວນົກຂໍ່ນົກແອ່ນ





Z840 (KAG187255)

- **Specimens:** 515 m (Z334), 537 m (Z840).
- **Distribution:** Cambodia, Laos, Thailand.
- **Notes:** shrubs, 1 m tall, scattered in evergreen forest; distinguished from other *Lasianthus* species by its relatively thin and smaller leaves with 5 pairs of secondary veins.

Lasianthus verticillatus (Lour.) Merr. — **Rubiaceae**

Trans. Amer. Philos. Soc., n.s., 24(2): 372 (1935) — LAO ປັດຂຽວ





Z467 (FOF0005615)

- **Specimens:** 331 m (Z467), 459 m (L1101).
- **Distribution:** Cambodia, Laos, Myanmar, Thailand, Vietnam; India to Japan (Ryukyu Islands) & Malesia.
- **Notes:** shrubs to 2 m tall, common in seasonal evergreen forest; infructescences with 2–3 sessile fruits, green when young, bluish purple at maturity.

Morinda angustifolia Roxb. — **Rubiaceae**

Pl. Coromandel 3: 32 (1815) — LAO ຕົ້ນສັກປ້ານ





Z275 (FOF0005437)

- **Specimens:** 515 m (Z275).
- **Distribution:** Laos, Myanmar, Thailand; Nepal to S China.
- **Notes:** shrubs 4 m tall, occasional in seasonal evergreen forests; leaves elliptic, oblong, or obovate, with an attenuate or cuneate base; stipules triangular, connate at base, glabrous, and persistent.

Neolamarckia cadamba (Roxb.) Bosser

Rubiaceae

Bull. Mus. Natl. Hist. Nat., B, Adansonia 6: 247 (1984) — LAO ຕົ້ນກະເຫຼົ້ວ





Z1358 (FOF0006454)

- **Specimens:** 194 m (Z1358).
- **Distribution:** Cambodia, Laos, Myanmar, Thailand, Vietnam; India to S China & Malesia.
- **Notes:** large trees, to 30 m tall, scattered at evergreen forest margins and in disturbed areas near agricultural land; recognized by large opposite leaves, inflorescences in clusters, terminal globose heads, and green or yellow flowers.

Oxyceros bispinosus (Griff.) Tirveng.

Rubiaceae

Nordic J. Bot. 3: 466 (1983) — LAO ຄັດເຄົ້າ





Z912 (FOF0006032)

- **Specimens:** 238 m (L262), 258 m (L1008), 313 m (L286), 621 m (Z912), 643 m (Z926), 709 m (Z946).
- **Distribution:** Cambodia, Laos, Myanmar, Thailand, Vietnam; Malesia.
- **Notes:** scandent shrubs armed with paired thorns, common in seasonal evergreen forest; leaves opposite; thorns slightly curved; flowers white, fragrant.

Paederia foetida L.

Rubiaceae

Mant. Pl. 1: 52 (1767) — LAO ເຄືອຕົດໝາ





Z207 (FOF0005372)

- **Specimens:** 434 m (Z207).
- **Distribution:** Cambodia, Laos, Myanmar, Thailand, Vietnam; India to Japan & Malesia.
- **Notes:** climbers, to 5 m tall, found at roadside thickets, seasonal evergreen forest margins; leaves with unpleasant smell when crushed; corollas whitish purple outside, with a reddish-purple centre, densely covered with short hairs.

Psychotria adenophylla Wall.

Rubiaceae

in W.Roxburgh, Fl. Ind. 2: 166 (1824) — LAO ຈັນຄຸຄັນນາ





Z1260 (FOF0006355)

- **Specimens:** 203 m (Z1260), 238 m (L193), 258 m (L1011), 665 m (L1169).
- **Distribution:** Cambodia, Laos, Myanmar, Thailand, Vietnam; India to W Malesia.
- **Notes:** erect shrubs, 1.5 m tall, occasionally in seasonal evergreen forests; leaves elliptic-oblong, with more than 10 pairs of secondary veins; flowers pale green to white.

Psychotria asiatica L.

Rubiaceae

Syst. Nat., ed. 10. 2: 929 (1759) — LAO ตาเปัดตาไฮ่า





Z876 (FOF0005998)

- **Specimens:** 606 m (Z876).
- **Distribution:** Cambodia, Laos, Thailand, Vietnam; S China to Japan.
- **Notes:** erect shrubs, 1.5 m tall, common in secondary semi-evergreen forest; secondary veins about 7 pairs; inflorescences terminal, cymose to paniculiform with short peduncles; flowers sessile.

Psychotria bonii Pit.

Rubiaceae

in H.Lecomte, Fl. Indo-Chine 3: 347 (1924) — LAO ຂານາງສອງ





Z1130 (FOF0006240)

- **Specimens:** 416 m (Z1130).
- **Distribution:** Laos, Thailand, Vietnam.
- **Notes:** small erect shrubs, to 25 cm tall, occasional in evergreen forest; secondary veins prominent on lower leaf surface, joining into the intramarginal vein; inflorescence terminal, sparsely covered with indumentum.

Psychotria serpens L.

Rubiaceae

Mant. Pl. 2: 204 (1771) — LAO ໄຮ່ດຳ





Z711 (FOF0005842)

- **Specimens:** 550 m (Z711).
- **Distribution:** Cambodia, Laos, Thailand, Vietnam; S China to Japan & Peninsular Malaysia.
- **Notes:** climbers, holding on trees or rocks using aerial roots; found in evergreen forests; leaves opposite; leaf blades ovate or obovate; fruits drupaceous, globose or ellipsoid.

Ridsdalea thailandica (Tirveng.) J.T.Pereira

Rubiaceae

Sandakania 21: 51 (2016) — LAO ພຸດຫອມ





L1006 (FOF0005096)

- **Specimens:** 258 m (L1006).
- **Distribution:** Laos, Thailand.
- **Notes:** trees, 6 m tall; locally common in seasonal evergreen forest. This species was previously placed in the genus *Rothmannia* Thunb., but the genus is now restricted to African species (Wong & Pereira 2016).

Saprosma latifolia Craib

Rubiaceae

Bull. Misc. Inform. Kew 1932: 485 (1932) — LAO ຫ້ອມໃບໃຫ່ຍ





Z622 (FOF0005756)

- **Specimens:** 228 m (L47), 338 m (Z622).
- **Distribution:** Laos, Thailand.
- **Notes:** shrubs, occasional in seasonal evergreen forest; distinguished from other two *Saprosma* species in Laos (*S. annamensis* and *S. ternatum*) by its leaves sessile, cordate at base, and blackish when dry.

Schizomussaenda henryi (Hutch.) X.F.Deng & D.X.Zhang

Rubiaceae

Blumea 53: 390 (2008) — LAO ແກ້ມຂາວ





Z200 (FOF0005369)

- **Specimens:** 365 m (Z200).
- **Distribution:** Laos, Myanmar, Thailand, Vietnam; S China.
- **Notes:** shrubs, scattered in forest edges, thickets, also along agricultural land. Originally described as a member of *Mussaenda* (*M. henryi*), but later classified as a distinct genus, *Schizomussaenda* (Deng & Zhang, 2008).

Tarennoidea wallichii (Hook.f.) Tirveng. & Sastre

Rubiaceae

Mauritius Inst. Bull. 8(4): 90 (1979) — LAO ເຂັ້ມຂຽວນົກອ້ຽງ





L374 (FOF0003092)

- **Specimens:** 268 m (L374).
- **Distribution:** Cambodia, Laos, Myanmar, Thailand, Vietnam; Nepal to Taiwan, Malesia & Australia.
- **Notes:** trees, 15 m tall; occasional in evergreen forest; twigs brown, terete; corolla yellow; fruits subglobose, to 1 cm in diam.

Uncaria scandens (Sm.) Wall.

Rubiaceae

in W.Roxburgh, Fl. Ind. 2: 130 (1824) — LAO ເຜັດຂໍເຄືອແຂ





Z570 (FOF0005709)

- **Specimens:** 317 m (Z570).
- **Distribution:** Laos, Myanmar, Thailand, Vietnam; India to S China.
- **Notes:** woody climbers, found in evergreen forests; stems strongly 4-angular; inflorescences axillary, capitate globose head, pedunculate; flowers sessile with corolla pale yellow to flushed with pink.

Fagraea ceilanica Thunb.

Gentianaceae

Kongl. Vetensk. Acad. Nya Handl. 3: 132 (1782) — LAO ຕ້ຽນ





Z102 (FOF0005286)

- **Specimens:** 238 m (L98), 406 m (Z102).
- **Distribution:** Cambodia, Laos, Myanmar, Thailand, Vietnam; India to Taiwan, Malesia & W Pacific.
- **Notes:** scandent trees, 10 m tall, scattered in evergreen forest, often on limestone rocks; leaves oblong to lanceolate, fleshy, shiny; petioles 1.7–3 cm long; flowers white and showy; calyx and stigma persistent.

Strychnos axillaris Colebr.

Loganiaceae

Trans. Linn. Soc. London 12: 356 (1819) — LAO ໝາກຕາໄກ້





L1007 (FOF0009978)

- **Specimens:** 238 m (L86), 258 m (L1007), 539 m (L1080).
- **Distribution:** Cambodia, Laos, Myanmar, Thailand, Vietnam; Sri Lanka, Bangladesh to S China, Malesia & Australia.
- **Notes:** woody climbers, occasional in evergreen and semi-evergreen forest margins, thickets; young twigs usually hairy.

Aganosma wallichii G.Don

Apocynaceae

Gen. Hist. 4: 77 (1837) — LAO ເຄືອມຸກຂາວ





Z449 (FOF0005598)

- **Specimens:** 475 m (Z449).
- **Distribution:** Laos, Myanmar, Thailand; W Malesia.
- **Notes:** woody climbers, found on edges of evergreen forest on limestone; distinguished from *Aganosma cymosa*, another species of the genus distributed in Laos, by its obovate corolla lobes and corolla tubes 8.3–14 mm long.

Epigynum cochinchinensis (Pierre) D.J.Middleton

Apocynaceae

Kew Bull. 49: 304 (1994) — LAO ມຸກເຄືອ





Z459 (FOF0005608)

- **Specimens:** 258 m (L979), 331 m (Z459).
- **Distribution:** Cambodia, Laos, Myanmar, Thailand, Vietnam.
- **Notes:** woody climbers, found at semi-evergreen forest margins, often common in limestone areas; corolla white to pinkish, salverform with long cylindric tube; newly recorded in Laos based on our collection (Tagane *et al.* 2017).

Heterostemma oblongifolium Costantin

Apocynaceae

in H.Lecomte, Fl. Indo-Chine 4: 120 (1912) — LAO ໝາກເຂົ້າຄວາຍ





Z510 (FOF0005652)

- **Specimens:** 321 m (Z510).
- **Distribution:** Laos, Vietnam; S China.
- **Notes:** woody climbers, occasional at semi-evergreen forest edge; corolla greenish outside, yellowish or orange inside; the type specimen *Spire 31* (P) was collected in "Ohn Thane" in Laos.

Hunteria zeylanica (Retz.) Gardner ex Thwaites

Apocynaceae

Enum. Pl. Zeyl.: 191 (1860) — LAO ໝາກຢາງ





L999 (FOF0009975)

- **Specimens:** 238 m (L77), 258 m (L999).
- **Distribution:** Cambodia, Laos, Myanmar, Thailand, Vietnam; E tropical Africa, India, Sri Lanka, Hainan & W Malesia.
- **Notes:** Trees to 10 m tall, locally common in evergreen forest on limestone; secondary veins parallel, joining intramarginal veins.

Parsonsia penangiana King & Gamble

Apocynaceae

J. Asiat. Soc. Bengal, Pt. 2, Nat. Hist. 74: 458 (1908) — LAO ຊ່າເຄືອປະສິງ





L1084 (FOF)

- **Specimens:** 268 m (L1051), 539 m (L1084).
- **Distribution:** Laos, Thailand; Peninsular Malaysia.
- **Notes:** Woody climbers, scattered in margins of evergreen forest and semi-evergreen forest on limestone; flowering in June to July.

Pottsia laxiflora (Blume) Kuntze

Apocynaceae

Revis. Gen. Pl. 2: 416 (1891) — LAO ປະສິງດອກນ້ອຍ





Z420 (FOF0005575)

- **Specimens:** 515 m (Z420).
- **Distribution:** Cambodia, Laos, Myanmar, Thailand, Vietnam; Assam to S China & Malesia.
- **Notes:** woody climbers, occasional in seasonal evergreen forests; twigs glabrous or pubescent; leaf blades narrowly ovate or elliptic, with 4–6 pairs of lateral veins.

Strophanthus wallichii A.DC.

Apocynaceae

in A.P.de Candolle, Prodr. 8: 418 (1844) — LAO ເຄືອມ້ງກອນແດງ





Z1120 (FOF0006232)

- **Specimens:** 285 m (Z1120).
- **Distribution:** Laos, Myanmar, Thailand, Vietnam; India to S China & Peninsular Malaysia.
- **Notes:** woody climbers scattered in evergreen forest; characterized by lenticellate twigs, slender, pink to reddish-purple corolla lobes, and distinctly exserted stamens.

Tabernaemontana bovina Lour.

Apocynaceae

Fl. Cochinch.: 118 (1790) — LAO ດອກພຸດພຸ





Z1151 (FOF0006261)

- **Specimens:** 602 m (Z1151).
- **Distribution:** Cambodia, Laos, Myanmar, Thailand, Vietnam; S China.
- **Notes:** shrubs to small trees, to 5 m tall; locally common in evergreen forest on hill; twigs and leaves with white sap; leaves opposite, glabrous; fruits oblong to 3 cm long, red to orange, acuminate at apex.

Argyreia capitiformis (Poir.) Ooststr.

Convolvulaceae

Fl. Males. 6: 941 (1972) — LAO ຈີ້ຈໍ້ໃຫ່ຍ





L43 (FOF0002991)

- **Specimens:** 228 m (L43).
- **Distribution:** Cambodia, Laos, Myanmar, Thailand, Vietnam; India to S China & W Malesia.
- **Notes:** woody climbers, scattered at evergreen forest edge; easily recognized its stems, leaves, and flowers densely covered with spreading stiff hairs, capitate cymose inflorescence, and funnel-shaped, pink corolla.

Solanum erianthum D.Don

Solanaceae

Prodr. Fl. Nepal.: 96 (1825) — LAO ໝາກເຂືອດົ່ງ





Z506 (FOF0005648)

- **Specimens:** 321 m (Z506).
- **Distribution:** Native to tropical & subtropical America, introduced to tropical & subtropical Old World.
- **Notes:** shrubs to small trees, 5 m tall, occasional in forest edge, thickets near human residence; all parts stellate hairy; inflorescence with erect peduncle to 10 cm long.

Jasminum lanceolaria Roxb.

Oleaceae

Fl. Ind. 1: 98 (1820) — LAO ເຄືອແກ້ວລົ້ນ





Z302 (KAG186757)

- **Specimens:** 515 m (Z302).
- **Distribution:** Cambodia, Laos, Myanmar, Thailand, Vietnam; Bangladesh to Taiwan & Peninsular Malaysia.
- **Notes:** climbers, scattered in seasonal broad-leaved evergreen forest; leaves opposite, 3-foliolate when young, sometimes simple when adult, glabrous to puberulent, leathery.

Jasminum nervosum Lour.

Oleaceae

Fl. Cochinch.: 20 (1790) — LAO ມະລິປ່າ





Z1335 (KAG187936)

- **Specimens:** 203 m (Z1335), 621 m (Z891).
- **Distribution:** Cambodia, Laos, Myanmar, Thailand, Vietnam; Tibet, Bangladesh to Taiwan, Peninsular Malaysia.
- **Notes:** woody climbers, occasional on margins of evergreen forest; leaves opposite, simple, glabrous; distinguished by its abaxially prominent 3-(or 5-)nerved veins and linear calyx lobes to 1.5 cm long.

Myxopyrum smilacifolium (Wall.) Blume

Oleaceae

Mus. Bot. 1: 320 (1851) — LAO ຝົນແສນຫ່າ





L352 (FOF0003141)

- **Specimens:** 268 m (L352).
- **Distribution:** Cambodia, Laos, Myanmar, Thailand, Vietnam; India to Hainan.
- **Notes:** woody climbers, common in evergreen forest at lowlands; easily recognized by it 4-angular stems, glabrous stems and leaves, and leaves simple, opposite and tri-nerved veins.

Didymocarpus middletonii Souvann., Soulad. & Tagane

Gesneriaceae

Edinburgh J. Bot. 76: 46 (2018) — LAO ດອກລຳໂພງຫິນສີມ່ວງ





L1198 (FOF0007124)

- **Specimens:** 665 m (L1198).
- **Distribution:** endemic to Laos.
- **Notes:** herbs, 50 cm tall at anthesis; so far known only from one population, growing on shaded rocks along streams in seasonal evergreen forest; calyx and corolla dark red, seen in June to July; described based on our collection (Souvannakhoummane *et al.* 2019).

Rhynchotechum ellipticum (Wall. ex D.Dietr.) A.DC.

Gesneriaceae

in A.P.de Candolle, Prodr. 9: 285 (1845) — LAO ส้ามข่ำเฮ้ำ





Z428 (FOF0005581)

- **Specimens:** 445 m (Z428).
- **Distribution:** Cambodia, Laos, Myanmar, Thailand, Vietnam; Tibet to S China.
- **Notes:** shrubs, to 1 m tall, scattered at shaded streamside in seasonal evergreen forest; young shoots densely covered with yellowish brown hairs; petioles 1.5–2.5 cm long, hairy; inflorescence axillary.

Acanthus leucostachyus Wall. ex Nees

Acanthaceae

in N.Wallich, Pl. Asiat. Rar. 3: 98 (1832) — LAO ถิบปาเฮ้ง





Z706 (FOF0005837)

- **Specimens:** 550 m (Z706).
- **Distribution:** Laos, Myanmar, Thailand, Vietnam; Assam to S China.
- **Notes:** herbs, 30 cm tall, locally common in understory of evergreen forest; characterized by its opposite leaves, sharply serrate leaf margin, terminal spikes, and ovate bracts.

Chroesthes lanceolata (T.Anderson) B.Hansen

Acanthaceae

Nordic J. Bot. 3: 209 (1983) — LAO ຄອກມ້າແຕກ





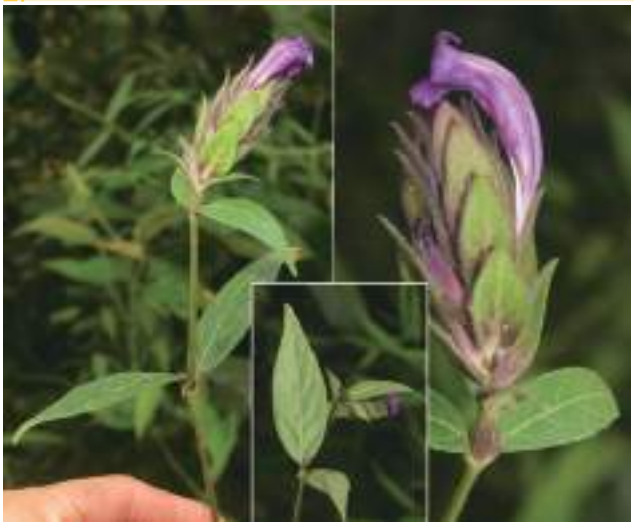
Z1140 (FOF0006252)

- **Specimens:** 318 m (Z564), 520 m (Z1140).
- **Distribution:** Laos, Myanmar, Thailand, Vietnam; S China.
- **Notes:** shrubs, 1 m tall, occasional in evergreen forest; stems terete, slender; inflorescence terminal, cymose; corolla white or slightly tinged with purple, with purple or prink spots inside.

Strobilanthes spirei (Benoist) Kladwong & Chantar.

Acanthaceae

Thai Forest Bull., Bot. 50: 184 (2022) — LAO ມ້ອງຊ້ອນກີບ





Z189 (FOF0005358)

- **Specimens:** 318 m (Z561), 365 m (Z189).
- **Distribution:** Laos, Thailand.
- **Notes:** perennial herbs, creeping, found at evergreen forest edge; stems 4-angled; inflorescences a terminal single spike; calyx lobes linear, purplish red, hairy outside; corolla dark purple or bluish purple.

Thunbergia amphaii Suwanph., K.Khamm., D.J.Middleton & Suddee

Thai Forest Bull., Bot. 49: 58 (2021) — LAO ນ້ຳແມ້ກະດິ່ງ

Acanthaceae





Z11 (FOF0005208)

- **Specimens:** 268 m (L299), 315 m (Z11), 550 m (Z722).
- **Distribution:** Laos, Thailand.
- **Notes:** climbers, occasional to locally common in seasonal evergreen forest at alt. 268–550 m; inflorescence terminal, pseudo-umbel, 6–10-flowered; flowers creamy white to white; newly recorded in Laos based on our collections (Kongxaisavath *et al.* 2023).

Thunbergia fragrans Roxb.

Pl. Coromandel 1: 47 (1796) — LAO ນ້ຳແມ້ຂາວ

Acanthaceae





Z108 (FOF0005292)

- **Specimens:** 406 m (Z108).
- **Distribution:** Cambodia, Laos, Myanmar, Thailand, Vietnam; India to S China & Philippines.
- **Notes:** climbers, common in open grassland, thickets, edge of agricultural land or forest; flowers white, solitary or in pairs.

Nyctocalos brunfelsiiflorum Teijsm. & Binn.

Bignoniaceae

J. Bot. Néerl. 1: 367 (1862) — LAO ເຄືອໝຸ່ປ່ອຍ





L1046 (FOF0009985)

- **Specimens:** 268 m (L1046).
- **Distribution:** Cambodia, Laos, Myanmar, Thailand, Vietnam; S China to W Malesia.
- **Notes:** woody climbers; found one flowering individual at evergreen forest edge in 2016, and reported as the first occurrence record in the flora of Laos (Tagane *et al.* 2017).

Callicarpa longifolia Lam.

Lamiaceae

Encycl. 1: 563 (1785) — LAO ເຂົ້າຕອກ





Z211 (FOF0005377)

- **Specimens:** 434 m (Z211).
- **Distribution:** Cambodia, Laos, Myanmar, Thailand, Vietnam; W Himalaya to Taiwan, Malesia & Australia.
- **Notes:** shrubs, 1–2 m tall, occasional at the edge of seasonal evergreen forests, secondary regrowth, roadside thickets; branchlets purplish-brown, slightly 4-angled; fruits purple when mature.

Callicarpa rubella Lindl.

Lamiaceae

Bot. Reg. 11: t. 883 (1825) — LAO ປໍຂຸ່ຍ





Z178 (FOF0005349)

- **Specimens:** 439 m (Z178).
- **Distribution:** Cambodia, Laos, Myanmar, Thailand, Vietnam; Bangladesh to S China, W & C Malesia.
- **Notes:** shrubs, fairly occasional on slope of hill evergreen forest; easily recognized by its very short petioles, cordate and asymmetric leaf base, and subtruncate to slightly dentate calyx with obtusely triangular teeth.

Clerodendrum colebrookeanum Walp.

Lamiaceae

Repert. Bot. Syst. 4: 114 (1845) — LAO ດອກປີ້ງໃບໃຫຍ່





Z452 (FOF0005601)

- **Specimens:** 331 m (Z452).
- **Distribution:** Laos, Myanmar, Thailand, Vietnam; Tibet to S China & W Malesia.
- **Notes:** evergreen shrubs, occasional at the edge of seasonal evergreen forest; leaves papery, abaxially puberulent, with several peltate glands near the base; inflorescence terminal and erect.

Clerodendrum garrettianum Craib

Lamiaceae

Bull. Misc. Inform. Kew 1911: 444 (1911) — LAO ໂຂມຝຸ່ມ





Z79 (FOF0005268)

- **Specimens:** 235 m (Z680), 375 m (Z79), 515 m (Z370).
- **Distribution:** Laos, Thailand; S China.
- **Notes:** shrubs, 1 m tall, scattered in seasonal evergreen forests at lowland; leaves papery; inflorescences terminal and pendulous; calyx deeply lobed, lobes triangular-lanceolate, to 1 cm long.

Clerodendrum schmidtii C.B.Clarke

Lamiaceae

Bot. Tidsskr. 26: 173 (1905) — LAO ພວງພີ່ຂາວ





Z600 (FOF0005737)

- **Specimens:** 318 m (Z565), 459 m (Z600, Z601).
- **Distribution:** Cambodia, Laos, Thailand.
- **Notes:** shrubs, occasional in lowland evergreen forest and its margins; inflorescences pendulous, paniculate, to 35 cm long; calyx reddish-orange, campanulate, persistent; corolla lobes spreading; stamens long exserted.

Hymenopyramis brachiata Wall. ex Griff.

Lamiaceae

Calcutta J. Nat. Hist. 3: 365 (1843) — LAO ເຄືອກະດູກກົບ





Z187 (FOF0005356)

- **Specimens:** 365 m (Z187).
- **Distribution:** Laos, Myanmar, Thailand, Vietnam.
- **Notes:** scrambling shrubs, common in forest edges and secondary vegetation; easily identified by its inflated calyx at fruiting stage, quadrangular stems, and opposite leaves.

Premna pubescens Blume

Lamiaceae

Bijdr. Fl. Ned. Ind.: 816 (1826) — LAO ຄ້ອນກะແຕຂົນ





Z100 (FOF0005284)

- **Specimens:** 406 m (Z100).
- **Distribution:** Laos, Myanmar, Thailand, Vietnam; India to Malesia & Australia.
- **Notes:** scrambling shrubs, scattered along streamside, at thickets near agricultural land; readily distinguished by its densely pubescent young branches, leaves, and inflorescences.

Rotheca serrata (L.) Steane & Mabb.

Lamiaceae

Novon 8: 206 (1998) — LAO ຮາກຫົວສາມ





Z508 (FOF0005650)

- **Specimens:** 321 m (Z508).
- **Distribution:** Cambodia, Laos, Myanmar, Thailand, Vietnam; Pakistan to S China & W Malesia.
- **Notes:** shrubs, scattered in roadside thickets and deciduous forest; easily recognized by its opposite or occasionally tri-whorled leaves, serrate leaf margin, and zygomorphic flowers arranged in lax terminal cymes.

Sphenodesme mekongensis Dop

Lamiaceae

Bull. Soc. Bot. France 61: 318 (1914 publ. 1915) — LAO ຈິງອາງຫວງໄຂ່





Z963 (FOF0006080)

- **Specimens:** 706 m (Z963).
- **Distribution:** Laos, Thailand.
- **Notes:** scrambling shrubs, found in semi-evergreen forest margins; characterized by its relatively long, slender peduncles and the persistent calyx that remains attached to the fruit.

Aeginetia indica L.

Orobanchaceae

Sp. Pl.: 632 (1753) — LAO ดอกดิน





Z504 (FOF0005646)

- **Specimens:** 321 m (Z504).
- **Distribution:** Cambodia, Laos, Myanmar, Thailand, Vietnam; India to Japan & Malesia.
- **Notes:** holoparasite, found at edge of broad-leaved semi-evergreen forest; flowers solitary; calyx acute or acuminate at apex; corolla indistinctly bilabiate, tubular-campanulate.

Gomphandra laotica Soulad., V.S.Dang & Tagane

Stemonuraceae

J. Jap. Bot. 100: 295 (2025) — LAO ດີໝີລາວ





Z750 (FOF0005879)

- **Specimens:** 206 m (Z750).
- **Distribution:** endemic to Laos.
- **Notes:** trees, 5 m tall; scattered in evergreen forest. It is easily recognized by its capitate inflorescence, 7–12 pairs of secondary veins, and stamens 5 per flower and completely glabrous; the photo of fl. from PPM (*Tagane et al. Z814*).

Gomphandra tetrandra (Wall.) Sleumer

Stemonuraceae

Notizbl. Bot. Gart. Berlin-Dahlem 15: 238 (1940) — LAO ພຸຍາ





Z9 (FOF0005206)

- **Specimens:** 315 m (Z9), 621 m (Z906).
- **Distribution:** Cambodia, Laos, Myanmar, Thailand, Vietnam; India to S China.
- **Notes:** small trees, 2 m tall, widely seen in evergreen forest and its margins; plants in Nam Kading could be classified into *Gomphandra cambodiana* Pierre ex Gagnep., as *G. tetrantdra* is considered restricted to India and Sri Lanka according to Schori (2010).

Cardiopteris quinqueloba (Hassk.) Hassk.

Cardiopteridaceae

Retzia 1: 64 (1855) — LAO ເຂົ້າສານດ່າງ





Z560 (FOF0005699)

- **Specimens:** 318 m (Z560), 439 m (Z176).
- **Distribution:** Cambodia, Laos, Myanmar, Thailand, Vietnam; India to S China & Malesia.
- **Notes:** climber, in secondary growths or semi-deciduous forests on limestone rocks; leaves polymorphic with a cordate base; fruits with wings and tipped by the accrescent style, which remains green and succulent.

Gonocaryum lobbianum (Miers) Kurz

Cardiopteridaceae

J. Asiat. Soc. Bengal, Pt. 2, Nat. Hist. 39: 72 (1870) — LAO ກ້ານເຫຼືອງ





Z1345 (FOF0006441)

- **Specimens:** 185 m (L1136), 203 m (Z1345), 268 m (L330), 643 m (Z917).
- **Distribution:** Cambodia, Laos, Myanmar, Thailand, Vietnam; S China & W Malesia.
- **Notes:** trees 6 m tall, common in seasonal evergreen forests, also found near agricultural farmland; leaves leathery; flowers dioecious; fruits drupaceous, black when mature, with one large seed.

Ilex sp.

Aquifoliaceae

[in prep.] — LAO ເດື່ອນົກນໍ້າໜາະດົງ





Z1169 (FOF0006276)

- **Specimens:** 602 m (Z1169).
- **Distribution:** endemic to Laos.
- **Notes:** trees, 10 m tall. We found only one fruiting individual in evergreen forest; characterized by its coriaceous lamina 10–15 cm long, fruits 1.2–1.4 cm in diam. and pyrenes 6 or 7, dorsally 2-striate and 1-sulcate.

Adenostemma lavenia (L.) Kuntze var. **angustifolium** (Arn.) J.Kost.

Blumea 1: 475 (1935) — LAO ລະອອງລົມ

Asteraceae





Z713 (FOF0005844)

- **Specimens:** 550 m (Z713).
- **Distribution:** Laos, Myanma, Thailand; Bhutan, Sri Lanka & Nepal.
- **Notes:** perennial herbs, 30–80 cm tall, found along streams in dry evergreen forests; leaves narrowly elliptic to linear; inflorescence long, usually with white flowers; flowering in November.

Blumea balsamifera (L.) DC.

Prodr. 5: 447 (1836) — LAO ໜາດຫຼວງ

Asteraceae





Z883 (FOF0006006)

- **Specimens:** 280 m (Z1190), 606 m (Z883).
- **Distribution:** Cambodia, Laos, Myanmar, Thailand, Vietnam; tropical & subtropical Asia.
- **Notes:** (sub)shrubs, 2 to 3 m tall, locally common in thickets, hill slope, and at edge of secondary semi-evergreen forest; strongly aromatic.

Chromolaena odorata (L.) R.M.King & H.Rob.

Asteraceae

Phytologia 20: 204 (1970) — LAO ຫຍ້າຝະລັ່ງ





L140 (FOF0003049)

- **Specimens:** 238 m (L140).
- **Distribution:** Native to tropical & subtropical America, introduced to tropical & subtropical Old World.
- **Notes:** perennial herbs with erect stem, up to 3 m tall; widely naturalized in disturbed areas such as roadside, crop fields and forest margins; leaves with odour when crushed.

Polyosma integrifolia Blume

Escalloniaceae

Bijdr. Fl. Ned. Ind.: 659 (1826) — LAO ສ້ອຍກ້າງປາ





Z264 (FOF0005428)

- **Specimens:** 515 m (Z264).
- **Distribution:** Cambodia, Laos, Myanmar, Thailand, Vietnam; Assam to Malesia.
- **Notes:** trees, scattered in seasonal broad-leaved evergreen forest; leaves obovate to elliptic, thinly chartaceous, pubescent when young, soon glabrous.

Sambucus javanica Reinw. ex Blume

Viburnaceae

Bijdr. Fl. Ned. Ind.: 657 (1826) — LAO สะพามัน





Z497 (FOF0005639)

- **Specimens:** 387 m (Z497).
- **Distribution:** Cambodia, Laos, Myanmar, Thailand, Vietnam; tropical to temperate Asia & Malesia.
- **Notes:** shrubs, to 2 m tall, occasionally found in roadside thickets and streamside at lower elevation; leaves opposite and imparipinnate with 2 or 3 pairs of lateral leaflets.

Viburnum punctatum Buch.-Ham. ex D.Don

Viburnaceae

Prodr. Fl. Nepal.: 142 (1825) — LAO ตาปา





Z960 (KAG187369)

- **Specimens:** 706 m (Z960).
- **Distribution:** Cambodia, Laos, Myanmar, Thailand, Vietnam; India to S China & Sumatera.
- **Notes:** evergreen trees, 10 m tall, scattered in evergreen forest; leaves opposite; leaf blades elliptic to elliptic-obovate, 6–12 cm long, apex shortly acuminate, secondary veins 4–5 pairs, prominent abaxially, tertiary veins indistinct.

Lonicera macrantha (D.Don) Spreng.

Caprifoliaceae

Syst. Veg., ed. 16. 4(2): 82 (1827) — LAO ຫາລານ້ຳເຜິ້ງ





Z118 (FOF0005299)

- **Specimens:** 387 m (Z118).
- **Distribution:** Laos, Myanmar, Vietnam; Tibet to Taiwan.
- **Notes:** woody vines, scattered in seasonal broad-leaved evergreen forests mixed with bamboo; all parts covered with spread hairs; leaves ovate to obovate, 5–8 cm long; inflorescence axillary.

Trevesia sp.

Araliaceae

[in prep.] — LAO ຜັກໜາມຕົ້ນ





Z1168 (FOF0007169)

- **Specimens:** 206 m (Z746), 602 m (Z1168).
- **Distribution:** endemic to Laos.
- **Notes:** trees, 4 m tall, scattered in evergreen forest; characterized by is pricky twigs and palmately compound leaves; the photo of fl. from PPM (*Tagane et al. Z2365*).

Landscape Photos



Seasonal evergreen forest, often mixed with bamboo, at elevations of 400–600 m altitude (405 m elev., 3 September 2023).



Evergreen forest dominated by *Dipterocarpus grandiflorus*, *Neo-uvaria laosensis*, and *Monoon namkadingense*. Plant diversity was quite high, with several endemic species such as *Camellia rosacea*, but much of the area was later cleared for cassava plantation (291 m elev., 27 June 2017).



Disturbed forest and roadside thicket at the foot of a limestone mountain. Many pioneer species, such as *Senna timoriensis*, *Clerodendrum colebrookeanum*, and *Gouania leptostachya*, are commonly found (331 m elev., 6 September 2023).



Dry evergreen forest on a limestone hillside. The ground vegetation is lush with leaves during the rainy season, but sheds them all in the dry season (393 m elev., 6 September 2023).



Riparian forest along a small branch of the Nam Aan River, dominated by *Syzygium ripicola*, *Ficus pyriformis*, *Homonoia riparia* (315 m elev., 2 September 2023).



Construction site of the Nam Theun 1 Dam on the Nam Kading River (665 m elev., 29 July 2017).

Field Photos







FOF Herbarium



The Herbarium of the Faculty of Forest Science, National University of Laos, registered under the acronym "FOF" in the Index Herbariorum (Thiers 2025 continuously updated), has served as a national centre for plant biodiversity research, education, and conservation since its establishment in 2000. The collection currently comprises more than 10,000 voucher specimens, representing around 3,000 species, approximately 50% of the known flora of Laos. Special focus is given to native, rare, and endemic taxa from diverse habitats, including lowland forests, montane ecosystems, wetlands, and limestone karsts.



FOF actively engages in national and international botanical collaborations, and maintains specimen-exchange programs with institutions in Japan (FU, KAG, TNS, KYO), Vietnam (VNM), Thailand (BKF, QBG), Cambodia (RUPP), South Korea (KB), France (P), and the United Kingdom (E). These partnerships support taxonomic studies, herbarium development, and comparative plant research.

The herbarium has played a key role in documenting over 50 species new to science, with type specimens deposited at FOF. These discoveries have resulted from fieldwork conducted across the country, e.g. Bolaven Plateau, Nam Kading NPA, Phou Khao Khouay NP, Dong Hua Sao NP, and the limestone karsts of central Laos.

FOF continues to support Laos's national flora projects by expanding collections, enhancing regional and international collaborations, and building national expertise in taxonomy and conservation. It remains an essential resource for biodiversity research, education, and sustainable forest management.







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Introduction to the floristic diversity of Nam Kading National Protected Area

This photographic guide presents the diversity of vascular plants in the Nam Kading National Protected Area, one of the most biologically significant regions in Laos. Based on 1,686 specimens collected over 25 days of field surveys conducted during 2016–2024, the book provides a visual and taxonomic overview of the flora recorded in the protected area. Intended as a reference for botanists, conservation practitioners, educators, and students, it highlights the botanical importance of the region, and supports ongoing research and conservation efforts in Laos, as well as the broader Indochinese region.

CONTENTS INCLUDE:

- 432 vascular plant species (in 125 families and 310 genera)
- Photographs of habits, vegetative and reproductive organs
- Scanned images of herbarium specimens
- Scientific names, Lao names, distribution, and observation notes

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