

## NEW RECORDS OF ANGIOSPERMS AND PTERIDOPHYTES IN THE FLORA OF LAOS

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New records in the Flora of Laos are presented, along with a short history of botanical collection in the country. The records are given in two lists, one relating to the *Flore du Cambodge, du Laos et du Viêtنام* and the other relating to the older *Flore générale de l'Indochine*.

*Keywords.* Angiosperms, Laos, new records, pteridophytes.

### INTRODUCTION

Laos is a landlocked, tropical country of some 236,800 km<sup>2</sup>, larger than its smallest neighbour, Cambodia, but smaller than its four other neighbours, Burma, China, Thailand and Vietnam. It is a land of mountains and rivers divided from Vietnam by the Annamite Mountains and from Thailand by the River Mekong. The lowest land is at 70 m above sea level while Phou Bia rises to 2817 m.

The climate of Laos is determined mainly by the monsoon and consists of a rainy season from May to November and a dry season from December to April. The north of the country, which is generally at higher altitude, has lower temperatures and occasional, mild frosts.

The flora of Laos is one of the least known in Asia, though it was revised in the *Flore générale de l'Indochine* (Lecomte, 1907–1950) and is being revised again in the *Flore du Cambodge, du Laos et du Viêtنام* (Aubréville, 1960–present). The great majority of specimens cited in these floras are from Vietnam where botanical collecting has always been more intensive than in Laos.

Our knowledge of the floras of Thailand and Vietnam, each of which has in excess of 10,000 species, allows us to estimate that some 8000–9000 species may occur naturally in Laos. There is no list of the names of these species, however. Only about 2000 species are cited as occurring in Laos in the Floras referred to above. This discrepancy can be explained by examining the history of botanical exploration in Laos.

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## BOTANICAL COLLECTION IN LAOS

The first botanical collectors in Laos were all French. Clovis Thorel was the first to make a significant contribution, collecting along the Mekong in southern and central Laos from 1866 to 1868. He was followed in the 1870s by Jules Harmand who also worked mainly in the south. These pioneers were followed by Henri D'Orléans (1892, in northern Laos), Clément Dupuy (1900, around Louangphrabang) and Jean-Baptiste Counillon (1909, along the Mekong). The most prolific collector in the 20th century was Eugène Poilane, who worked in various provinces of Laos from the 1920s to 1940s. At the same time Camille Joseph Spire was collecting in Xiengkhouang. More detail about the flora and collectors in Cambodia, Laos and Vietnam may be found in the 'tome préliminaire' to the *Flore générale de l'Indochine* (Gagnepain, 1943).

Historical events all but prevented botanical work in Laos between World War II and the 1990s though some collections were made by Jules Vidal and Pierre Tixier in the 1950s and early 1960s. Taking all these Laotian collections together, it is possible to calculate that roughly three specimens per 100 km<sup>2</sup> have been collected in Laos. Table 1 compares this figure with those from neighbouring countries and the United Kingdom.

The majority of herbarium specimens collected in Laos are deposited in the herbarium at the Muséum national d'Histoire naturelle in Paris (P). Other European herbaria such as the Royal Botanic Garden Edinburgh (E), the Royal Botanic Gardens, Kew (K) and the Nationaal Herbarium Nederland, Leiden University Branch (L) also hold significant collections either from Laos or from neighbouring countries. To date there is no national herbarium in Laos itself though there are four small herbaria in and near Vientiane at the Faculty of Science and Faculty of Forestry, National University of Laos (NUoL), the Forest Research Centre, National Agriculture and Forestry Research Institute and the Traditional Medicine Institute, Ministry of Health.

Despite the limited herbarium collections from Laos, the flora has been described once, in the *Flore générale de l'Indochine*, and is being revised in the *Flore du Cambodge, du Laos et du Viêtname*. While these long-term projects go on, other works have been published which contribute to the Flora or derive from it. Not long after the completion of the *Flore générale de l'Indochine*, Vidal, who lived in Laos in the

TABLE 1. Collection density of herbarium specimens (D. J. Middleton, 2003 & pers. comm.)

Country	No. of specimens per 100 km <sup>2</sup>
Cambodia	4
Laos	3
Vietnam	14
Thailand	50
United Kingdom	1700

1950s, published his list of the vernacular names of useful plants in Laos (Vidal, 1962), and this has remained a critical source of information on plant names ever since. Vidal's List, as it is known, includes only useful plants; it was never intended to cover the whole flora. Furthermore, as taxonomy progresses, changes in names of plants and species concepts mean this list is no longer as reliable as it was.

The new Flora being published at the Muséum national d'Histoire naturelle in Paris, the *Flore du Cambodge, du Laos et du Viêtnam*, has now reached 32 fascicles, treating 88 families, and this is the best resource for finding the correct names of plants in Laos. For the remaining families, the *Flore générale de l'Indochine* is still the best place to look, but what is needed, until the *Flore du Cambodge, du Laos et du Viêtnam* is completed, is a list of the plant species of the country. The first attempt to provide this was Callaghan's *Plant names used in Lao PDR* (Callaghan, 2001). In this book, which is unfortunately difficult to find, all plant names known to have been used in Laos are listed along with synonyms, Lao names and comments. The list also includes cultivated and introduced plants. Another useful reference is the *Selected resources for plant identification in Lao PDR* (Newman *et al.*, 2006) which directs readers to the most suitable reference for identifying genera and species of plants in each family.

During the last decade botanical research has gradually become more active in Laos. National institutes such as NUoL and the Forest Research Centre have undertaken biodiversity surveys in National Protected Areas (NPAs) and in other sites of special interest, such as Nam Et–Phou Loei and Phou Khao Khouay NPAs and the Siphandone wetlands in Champasak. Some of these surveys have included collection of specimens, which are deposited in the Laotian herbaria mentioned above.

There has also been an increase in cooperation with foreign botanists and their institutions. Dr Bouakhaykhone Svengsuksa from NUoL has worked with French botanists to produce accounts of families for the *Flore du Cambodge, du Laos et du Viêtnam*, and Laotian botanists have contributed to several broadly based forestry projects with a taxonomic component, such as the DANIDA-funded Lao Tree Seed Project (LTSP) that formed part of the regional Indochina Tree Seed Project. A significant output of this project was the manual *Forests and Trees of the Central Highlands of Xieng Khouang* (Lehmann *et al.*, 2003). Specimens have been collected during a project on fallow lands in Louangphrabang Province funded by the Institut de Recherche pour le Développement. These are lodged in Laos with some duplicates at E and L (A. de Rouw, pers. comm.). There are projects still running which are gathering herbarium specimens, such as BIOTIK, an EU-funded project concentrating on large tree species, and a number of MSc and PhD projects based at Uppsala University.

Other projects have focused on taxonomic groups of plants, for example the Darwin Initiative project *Sustainable Use of Rattans of Lao PDR* with funding from the UK ([www.darwin.gov.uk/projects/details/6046.html](http://www.darwin.gov.uk/projects/details/6046.html)). During this project the taxonomy and distribution of all Laotian rattan species were reviewed, several new

taxa were described and an identification manual was published (Evans *et al.*, 2001). Many specimens were collected and lodged either at the Forest Research Centre herbarium near Vientiane or at the Royal Botanic Gardens, Kew. Recently a number of projects based at NUoL have focused on botanical research of the orchids. One output from these projects has been the publication of the first *Field Guide to the Orchids of Lao PDR* (Svengsuksa & Lamxay, 2005).

In 2003 another Darwin Initiative project started, called *Taxonomic Training in a Neglected Biodiversity Hotspot in Lao PDR* ([www.darwin.gov.uk/projects/details/13007.html](http://www.darwin.gov.uk/projects/details/13007.html)). It concentrated on training Laotian botanists, researchers and Protected Area staff in the scientific identification of all vascular plant species. During this project, three expeditions were carried out in Nakai Nam Theun National Protected Area, Khammouan Province, resulting in more than 1500 vascular plant collections which are deposited in three herbaria in Laos as well as E, L and P.

The largest output of this Darwin Initiative project is *A checklist of the vascular plants of Lao PDR* (Newman *et al.*, 2007), which incorporates data from historical specimen collections in European herbaria as well as more recent botanical field work, especially in Khammouan Province. Currently the checklist holds records of almost 4900 species, based on herbarium specimens and reliable literature sources. The data set from which this checklist is derived has been installed at NUoL and the Forest Research Centre so that Laotian botanists can use it and add to it, gradually working towards a revised checklist.

Whilst compiling this data set, we have come across a significant number of species names which are not known from Laos according to the two floras cited above. These we take to be new records.

Some of these new records belong to families that have already been revised in the *Flore du Cambodge, du Laos et du Viêtname*. Since these families will not be revised again for a long time it is important to publish new records so that scientists, conservationists and others know of additions to the vascular plant flora of Laos.

The list that follows is of new angiosperm and pteridophyte records, except for the *Orchidaceae* which will be reported elsewhere. The conifers are treated by Thomas *et al.* (2007).

We have divided the names into two parts. Part One includes species in families already treated in the *Flore du Cambodge, du Laos et du Viêtname*. It is possible to be fairly confident that these are new records since accounts in the *Flore* are no more than 47 years old and cite all specimens known from Laos at the time of writing.

Part Two includes species in families that have been revised only in the *Flore générale de l'Indochine*. The first fascicle of this flora was published in 1907, when botanical exploration in Laos had hardly begun. It is impossible, therefore, to be confident that these are new records, though we still believe that this list will be useful. There are many species, even common, widespread ones, which had simply never been collected in Laos at the time of the *Flore générale de l'Indochine*. For

example, *Adiantum zollingeri* Mett. ex Kuhn is found commonly from the Himalayas to western Malesia yet no specimens were seen by Tardieu and Christensen when they revised this genus in 1940 (Tardieu & Christensen, 1940).

For each species listed below, the province, district (when known), one herbarium specimen per province and its herbarium location are given. Herbarium codes follow *Index Herbariorum* (Holmgren & Holmgren, 1998 onwards) except for the herbaria in Laos that are not currently registered with *Index Herbariorum*. The code 'NUoL' refers to the herbarium at the Faculty of Science in the National University of Laos, Vientiane, Laos.

Family delimitation is in a period of rapid change and the placement of certain genera is controversial. In Part One we have followed the family delimitations used in the *Flore du Cambodge, du Laos et du Viêtnam* and in Part Two we have used the Angiosperm Phylogeny Group classification (Angiosperm Phylogeny Group, 2003).

Likewise, there is no standard transliteration of Laotian letters into Roman so the names of provinces may be found in other spellings elsewhere. The system used here is the one most commonly seen in Laos though it does not represent the sounds of the Laotian language well, particularly to English speakers, since it is based on French phonetics.

#### ACKNOWLEDGEMENTS

We are most grateful to those who have helped us in the preparation of this paper, in particular the directors and staff of K, L and P who have generously contributed data on Laotian collections. The following have kindly determined large numbers of specimens for us: Frits Adema (L) – *Leguminosae*; C. C. Berg (L) – *Moraceae*; Robert Faden (US) – *Commelinaceae*; Paul Keßler (L) – *Annonaceae*; David Middleton (E) – *Apocynaceae*, *Gesneriaceae*; Colin Pendry (E) – *Polygalaceae*; Christian Puff (W) – *Rubiaceae*; Colin Ridsdale (L) – *Rubiaceae*; Willem de Wilde and Brigitte de Wilde-Duyfjes (L) – *Cucurbitaceae*. Others, too many to name, have determined smaller numbers of specimens.

This work was funded as part of Darwin Initiative project 163/13/007.

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*Received 29 January 2007; accepted for publication 27 April 2007*

## PART ONE: NEW RECORDS IN FAMILIES REVISED FOR THE FLORE DU CAMBODGE, DU LAOS ET DU VIÊTNAM

Family, genus and species	Province, district, voucher specimen and herbarium location
<b>Anacardiaceae</b>	
<i>Mangifera caloneura</i> Kurz	LOUANGPHRABANG, de Rouw 498 (CMU)
<i>Mangifera camptosperma</i> Pierre	CHAMPASAK, Khong Distr., Maxwell 98-439 (CMU)
<i>Pentaspadon poilanei</i> (Evrard & Tardieu) P.H.Hô	KHAMMOUAN, Nakai Distr., Newman <i>et al.</i> LAO 60 (E)
<b>Balanophoraceae</b>	
<i>Balanophora fungosa</i> subsp. <i>indica</i> (Arm.) B.Hansen	KHAMMOUAN, Nakai Distr., Newman <i>et al.</i> LAO 387 (E)
<b>Caryophyllaceae</b>	
<i>Polycarpon prostratum</i> (Forssk.) Asch. & Schweinf.	CHAMPASAK, Khong Distr., Maxwell 98-189 (CMU)
<b>Combretaceae</b>	
<i>Combretum punctatum</i> Blume	LOUANGPHRABANG, de Rouw 530 (CMU)
<b>Cornaceae</b>	
<i>Mastixia pentandra</i> Blume subsp. <i>cambodiana</i> (Pierre) K.M.Matthew	KHAMMOUAN, Nakai Distr., Newman <i>et al.</i> LAO 522 (E)
<b>Cucurbitaceae</b>	
<i>Diplocyclos palmatus</i> (L.) C.Jeffrey	LOUANGPHRABANG, de Rouw 332 (CMU)
<i>Indomelohria blumei</i> (Ser.) W.J.de Wilde & Duyfjes	KHAMMOUAN, Nakai Distr., Newman <i>et al.</i> LAO 959 (E)
<i>Momordica charantia</i> L.	KHAMMOUAN, Nakai Distr., Newman <i>et al.</i> LAO 491 (E)
<i>Muktia javanica</i> (Miq.) C.Jeffrey	KHAMMOUAN, Nakai Distr., Newman <i>et al.</i> LAO 600 (E)
<i>Neochamandra indica</i> (Lour.) W.J.de Wilde & Duyfjes	LOUANGPHRABANG, de Rouw 553 (CMU)
<i>Trichosanthes dunniana</i> H.Lév.	KHAMMOUAN, Nakai Distr., Newman <i>et al.</i> LAO 591 (E)
<b>Flacourtiaceae</b>	
<i>Flacourtia rukam</i> Zoll. & Moritz	KHAMMOUAN, Nakai Distr., Newman <i>et al.</i> LAO 466 (E)
<b>Gentianaceae</b>	
<i>Gentiana khammouanensis</i> Hul	KHAMMOUAN, Nakai Distr., Newman <i>et al.</i> LAO 1220 (P)

Province, district, voucher specimen and herbarium location

Family, genus and species

### Hamamelidaceae

- Eustigma balansae* Oliv.  
*Exbucklandia populnea* (R.Br. ex Griff.) R.W.Br.  
*Rhodoleia championii* Hook.f.

- KHAMMOUAN, Boulapha Distr., Newman et al. LAO 1212 (E)  
 KHAMMOUAN, Boulapha Distr., Newman et al. LAO 1451 (E)  
 KHAMMOUAN, Boulapha Distr., Newman et al. LAO 1431 (E)

### Leguminosae

- Aidenanthera pavonina* L.  
*Apios carnea* (Wall.) Baker  
*Archidendron poilanei* (Kosterm.) I.C.Nielsen  
*Bauhinia glauca* (Benth.) Benth.  
*Caesalpinia enneaphylla* Roxb.  
*Caesalpinia furfuracea* (Prain) Hattink

- CHAMPASAK, Phonthong Distr., Munzinger 291 (P)  
 HOUAPHAN, Viengthong Distr., Homsombath & Newman 1446 (E)  
 KHAMMOUAN, Nakai Distr., Newman et al. LAO 320 (E)  
 CHAMPASAK, Khong Distr., Maxwell 97-1156 (L)  
 LOUANGPHRABANG, de Rouw 108 (CMU)  
 CHAMPASAK, Khong Distr., Maxwell 99-168 (L)

### Cajanus goensis Dalzell

- Centrosema pubescens* Benth.  
*Dalbergia tonkinensis* Prain  
*Desmodium biarticulatum* (L.) Benth.  
*Millettia boniana* Cagnep.  
*Millettia pachyloba* Drake  
*Pueraria stricta* Kurz  
*Shutteria vestita* Wight & Arn.  
*Stylosanthes sumdaica* Taub.  
*Urtaria campanulata* Wall.

- KHAMMOUAN, Nakai Distr., Newman et al. LAO 824 (E)  
 LOUANGPHRABANG, de Rouw 258 (CMU)  
 CHAMPASAK, Phonthong Distr., Munzinger 166 (P)  
 BOLIKHAMXAI, Khamkeut Distr., Svengsuksa BT-88 (L)  
 CHAMPASAK, Khong Distr., Maxwell 98-1005 (L)  
 KHAMMOUAN, Nakai Distr., Svengsuksa BT-15 (L)  
 KHAMMOUAN, Nakai Distr., Newman et al. LAO 153 (E)  
 LOUANGPHRABANG, de Rouw 380 (CMU)  
 LOUANGPHRABANG, de Rouw 661 (CMU)  
 CHAMPASAK, Khong Distr., Maxwell 98-111 (L)  
 LOUANGPHRABANG, de Rouw 346 (CMU)

### Myrsinaceae

- Ardisia crenata* Sims subsp. *crenata*  
*Ardisia gigantifolia* Stapf  
*Ardisia graciliflora* Pit.  
*Ardisia quinquegona* Blume  
*Ardisia symplocifolia* (C.Chen) K.Larsen & C.M.Hu  
*Rapanea neriiifolia* (Siebold & Zucc.) Merr.

- KHAMMOUAN, Nakai Distr., Newman et al. LAO 468 (E)  
 KHAMMOUAN, Nakai Distr., Newman et al. LAO 592 (E)  
 KHAMMOUAN, Boulapha Distr., Newman et al. LAO 1275 (E)  
 KHAMMOUAN, Nakai Distr., Newman et al. LAO 68 (E)  
 BOLIKHAMXAI, Khamkeuth Distr., Newman et al. LAO 1329 (E)  
 KHAMMOUAN, Nakai Distr., Newman et al. LAO 1446 (E)

### Nyctaginaceae

- Mirabilis jalapa* L.

- LOUANGPHRABANG, de Rouw 636 (CMU)



Family, genus and species	Province, district, voucher specimen and herbarium location
<b>Passifloraceae</b>	
<i>Adenia heterophylla</i> (Blume) Koord.	LOUANGPHRABANG, <i>de Rouv</i> 306 (CMU)
<b>Podostemaceae</b>	
<i>Hydrobryum griffithii</i> (Griff.) Tul.	KHAMMOUAN, Nakai Distr., <i>Newman et al.</i> LAO 708 (E)
<b>Polygalaceae</b>	
<i>Epirixanthes elongata</i> Blume	KHAMMOUAN, Nakai Distr., <i>Newman et al.</i> LAO 660 (E)
<i>Polygala brachystachya</i> Blume	CHAMPASAK, Khong Distr., <i>Maxwell</i> 98-982 (CMU)
<i>Salomonina thailandica</i> H.Koyama	KHAMMOUAN, Nakai Distr., <i>Newman et al.</i> LAO 794 (E)
<b>Proteaceae</b>	
<i>Heliconia terminalis</i> (Kurz) Sleumer	CHAMPASAK, Phonthong Distr., <i>Munzinger</i> 275 (P)
<b>Rosaceae</b>	
<i>Prunus phaeosticta</i> Maxim.	KHAMMOUAN, Boulapha Distr., <i>Newman et al.</i> LAO 1256 (E)
<i>Rhaphiolepis brevipetiolata</i> J.E.Vidal	KHAMMOUAN, Boulapha Distr., <i>Newman et al.</i> LAO 1480 (E)
<i>Rubus blepharoneurus</i> Cardot	LOUANGPHRABANG, <i>de Rouv</i> 697 (CMU)
<b>Sapotaceae</b>	
<i>Chrysophyllum cainito</i> L.	CHAMPASAK, Khong Distr., <i>Maxwell</i> 98-987 (CMU)
<i>Palaquium pollanet</i> Lecomte	CHAMPASAK, Khong Distr., <i>Maxwell</i> 98-63 (CMU)
<b>Scrophulariaceae</b>	
<i>Linnophila erecta</i> Benth.	CHAMPASAK, Khong Distr., <i>Maxwell</i> 98-1037 (CMU)
<i>Mazus pumilus</i> (Burm.f.) Steenis	CHAMPASAK, Khong Distr., <i>Maxwell</i> 98-201 (CMU)
<b>Smilacaceae</b>	
<i>Smilax extensa</i> Wall.	CHAMPASAK, Khong Distr., <i>Maxwell</i> 97-1154 (CMU)
<b>Symplocaceae</b>	
<i>Symplocos adenophylla</i> Wall. ex G.Don	KHAMMOUAN, Nakai Distr., <i>Newman et al.</i> LAO 651 (E)
<i>Symplocos anomala</i> Brand	KHAMMOUAN, Boulapha Distr., <i>Newman et al.</i> LAO 1453 (E)
<i>Symplocos atriolivacea</i> Merr. & Chun	KHAMMOUAN, Nakai Distr., <i>Newman et al.</i> LAO 846 (E)
<b>Umbelliferae</b>	
<i>Seseli yunnanense</i> Franch.	KHAMMOUAN, Nakai Distr., <i>Newman et al.</i> LAO 731 (E)

PART TWO: NEW RECORDS IN FAMILIES YET TO BE REVISED FOR THE *FLORE DU CAMBODGE, DU LAOS*  
*ET DU VIËTNAM*

Family, genus and species	Province, district, voucher specimen and herbarium location
<b>Acanthaceae</b>	
<i>Andrographis laxiflora</i> Lindau	LOUANGPHRABANG, <i>de Rouw</i> 256 (CMU)
<i>Asystasia salicifolia</i> Craib	LOUANGPHRABANG, <i>de Rouw</i> 361 (CMU)
<i>Hygrophila indica</i> Nees	CHAMPASAK, Khong Distr., <i>Maxwell</i> 98-148 (CMU)
<i>Justicia procumbens</i> L.	LOUANGPHRABANG, <i>de Rouw</i> 485 (CMU)
<i>Nelsonia canescens</i> Spreng.	CHAMPASAK, Khong Distr., <i>Maxwell</i> 98-128 (CMU)
<i>Pseuderanthemum couderci</i> Benoist	CHAMPASAK, Khong Distr., <i>Maxwell</i> 98-172 (CMU)
<i>Pseuderanthemum latifolium</i> (Vahl) B. Hansen	CHAMPASAK, Khong Distr., <i>Maxwell</i> 97-1105 (CMU)
<i>Sericocalyx quadrifarius</i> (Nees) Bremek.	LOUANGPHRABANG, <i>de Rouw</i> 487 (CMU)
<i>Thunbergia grandiflora</i> Roxb.	KHAMMOUAN, Nakai Distr., <i>Newman et al.</i> LAO 353 (E)
<i>Thunbergia similis</i> Craib	CHAMPASAK, Khong Distr., <i>Maxwell</i> 97-1092 (CMU)
<b>Actinidiaceae</b>	
<i>Saurauia roxburghii</i> Wall.	LOUANGPHRABANG, Louangphrabang Distr., <i>de Rouw</i> 713 (CMU)
<b>Adiantaceae</b>	
<i>Adiantum diaphanum</i> Blume	KHAMMOUAN, Nakai Distr., <i>Newman et al.</i> LAO 866 (E)
<i>Adiantum zollingeri</i> Mett. ex Kuhn	CHAMPASAK, Khong Distr., <i>Maxwell</i> 97-1144 (CMU)
<b>Amaranthaceae</b>	
<i>Allmania nodiflora</i> (L.) R.Br.	LOUANGPHRABANG, Louangphrabang Distr., <i>de Rouw</i> 118 (CMU)
<b>Amaryllidaceae</b>	
<i>Crinum wattii</i> Baker	CHAMPASAK, Khong Distr., <i>Maxwell</i> 98-544 (CMU)
<b>Ancistrocladaceae</b>	
<i>Ancistrocladus cochinchinensis</i> Gagnep.	KHAMMOUAN, Nakai Distr., <i>Newman et al.</i> LAO 30 (E)
<b>Annonaceae</b>	
<i>Alphonsea gaudichaudiana</i> (Baill.) Finet & Gagnep.	KHAMMOUAN, Nakai Distr., <i>Newman et al.</i> LAO 234 (E)

Family, genus and species	Province, district, voucher specimen and herbarium location
<b>Apocynaceae</b>	
<i>Heterostemma grandiflorum</i> Costantin	CHAMPASAK, Khong Distr., Maxwell 98-1064 (CMU)
<i>Hoya vaccinioides</i> Hook.f.	KHAMMOUAN, Boulapha Distr., Newman et al. LAO 1455 (E)
<i>Hoya verticillata</i> var. <i>citrina</i> (Ridl.) Veldkamp	LOUANGPHRABANG, Louangphrabang Distr., de Rouw 509 (CMU)
<i>Raphistemma hooperianum</i> Decne.	CHAMPASAK, Khong Distr., Maxwell 97-1181 (CMU)
<i>Raphistemma pulchellum</i> Wall.	CHAMPASAK, Khong Distr., Maxwell 97-1112 (CMU)
<i>Tylophora flexuosa</i> R.Br.	KHAMMOUAN, Newman et al. LAO 544 (E)
<i>Tylophora indica</i> (Burm.f.) Merr.	LOUANGPHRABANG, Louangphrabang Distr., de Rouw 508 (CMU)
<i>Vincetoxicopsis harmandii</i> Costantin	CHAMPASAK, Khong Distr., Maxwell 97-1078 (CMU)
	CHAMPASAK, Khong Distr., Maxwell 1138 (CMU)
<b>Araceae</b>	
<i>Alocasia indica</i> (Lour.) Spach	CHAMPASAK, Phonthong Distr., Munzinger 251 (P)
<i>Alocasia odora</i> (Lindl.) K.Koch	CHAMPASAK, Khong Distr., Maxwell 98-916 (CMU)
<i>Amorphophallus koratensis</i> Gagnep.	CHAMPASAK, Khong Distr., Maxwell 98-471 (CMU)
<i>Arisaema roxburghii</i> Kunth	KHAMMOUAN, Boulapha Distr., Newman et al. LAO 1299 (E)
<i>Colocasia fallax</i> Schott	CHAMPASAK, Khong Distr., Maxwell 98-1054 (CMU)
<i>Cryptocoryne tonkinensis</i> Gagnep.	CHAMPASAK, Khong Distr., Maxwell 98-167 (CMU)
<b>Aristolochiaceae</b>	
<i>Aristolochia pothieri</i> Pierre ex Lecomte	CHAMPASAK, Khong Distr., Maxwell 97-1106 (CMU)
<i>Aristolochia tagata</i> Cham.	LOUANGPHRABANG, Louangphrabang Distr., de Rouw 149 (CMU)
<b>Aspleniaceae</b>	
<i>Asplenium affine</i> Sw.	LOUANGPHRABANG, Louangphrabang Distr., de Rouw 690 (CMU)
<b>Begoniaceae</b>	
<i>Begonia yunnanensis</i> H.Lév.	CHAMPASAK, Khong Distr., Maxwell 97-1150 (CMU)
<b>Boraginaceae</b>	
<i>Coldenia procumbens</i> L.	CHAMPASAK, Khong Distr., Maxwell 98-45 (CMU)
<i>Cordia dichotoma</i> G.Forst.	CHAMPASAK, Khong Distr., Maxwell 97-1199 (CMU)
<i>Cordia mhaya</i> Kert	LOUANGPHRABANG, Louangphrabang Distr., de Rouw 76 (CMU)

Family, genus and species	Province, district, voucher specimen and herbarium location
<b>Burmanniaceae</b>	
<i>Burmannia chinensis</i> Gand.	KHAMMOUAN, Nakai Distr., Newman et al. LAO 692 (E)
<i>Burmannia wallichii</i> (Miers) Hook.f.	KHAMMOUAN, Nakai Distr., Newman et al. LAO 389 (E)
<b>Burseraceae</b>	
<i>Canarium trandenum</i> Chan Din Dai & Yakovlev	LOUANGPHRABANG, Louangphrabang Distr., de Rouw 63 (CMU)
<i>Garuga floribunda</i> Deene.	LOUANGPHRABANG, Louangphrabang Distr., de Rouw 511 (CMU)
<b>Cannabaceae</b>	
<i>Celtis tetrandra</i> Roxb.	KHAMMOUAN, Nakai Distr., Newman et al. LAO 487 (E)
<i>Trema tomentosa</i> (Roxb.) H. Hara	KHAMMOUAN, Nakai Distr., Newman et al. LAO 181 (E)
<b>Capparaceae</b>	
<i>Capparis echinocarpa</i> Pierre ex Gagnep.	LOUANGPHRABANG, Louangphrabang Distr., de Rouw 518 (CMU)
<i>Capparis pyrifolia</i> Lam.	KHAMMOUAN, Nakai Distr., Newman et al. LAO 53 (E)
<i>Capparis zeylanica</i> L.	LOUANGPHRABANG, Louangphrabang Distr., de Rouw 519 (CMU)
<i>Stixis parviflora</i> Baill.	KHAMMOUAN, Nakai Distr., Newman et al. LAO 325 (E)
<b>Cardiopteridaceae</b>	
<i>Cardiopteris quinqueloba</i> Hassk.	KHAMMOUAN, Nakai Distr., Newman et al. LAO 405 (E)
<i>Gonocaryum lobbium</i> (Miers) Kurz	KHAMMOUAN, Nakai Distr., Newman et al. LAO 238 (E)
<b>Celastraceae</b>	
<i>Euonymus indicus</i> B. Heyne ex Wall.	KHAMMOUAN, Nakai Distr., Newman et al. LAO 343 (E)
<i>Gymnosporia chevalieri</i> Tardieu	KHAMMOUAN, Nakai Distr., Newman et al. LAO 17 (E)
<i>Hippocratea dinhensis</i> Pierre	KHAMMOUAN, Nakai Distr., Newman et al. LAO 782 (E)
<i>Salacia chinensis</i> L.	CHAMPASAK, Khong Distr., Maxwell 98-416 (CMU)
<i>Salacia rostrata</i> Pierre	KHAMMOUAN, Nakai Distr., Newman et al. LAO 646 (E)
<i>Salacia verrucosa</i> Wight	KHAMMOUAN, Nakai Distr., Newman et al. LAO 46 (E)
<b>Chloranthaceae</b>	
<i>Sarcandra glabra</i> (Thunb.) Nakai	KHAMMOUAN, Nakai Distr., Newman et al. LAO 543 (E)
<b>Cleomaceae</b>	
<i>Cleome gynandra</i> L.	CHAMPASAK, Khong Distr., Maxwell 98-467 (CMU)

Family, genus and species	Province, district, voucher specimen and herbarium location
<b>Commelinaceae</b>	
<i>Commelina diffusa</i> Burm.f.	CHAMPASAK, Khong Distr., Maxwell 98-1046 (CMU)
<i>Dictyospermum ovatum</i> Hassk.	KHAMMOUAN, Nakai Distr., Newman <i>et al.</i> LAO 362 (E)
<i>Murdannia macrocarpa</i> D.Y.Hong	LOUANGPHRABANG, Louangphrabang Distr., de Rouw 531 (CMU)
	KHAMMOUAN, Nakai Distr., Newman <i>et al.</i> LAO 706 (E)
<b>Compositae</b>	
<i>Ainsliaea latifolia</i> (D.Don) Sch.Bip.	LOUANGPHRABANG, Louangphrabang Distr., de Rouw 454 (CMU)
<i>Blumea membranacea</i> DC.	LOUANGPHRABANG, Louangphrabang Distr., de Rouw 442 (CMU)
<i>Blumea mollis</i> (D.Don) Merr.	LOUANGPHRABANG, Louangphrabang Distr., de Rouw 139 (CMU)
<i>Blumea napifolia</i> DC.	CHAMPASAK, Khong Distr., Maxwell 98-47 (L)
<i>Camchaya eberhardtii</i> (Gagnep.) Kitam.	LOUANGPHRABANG, Louangphrabang Distr., de Rouw 537 (CMU)
<i>Spilanthes paniculata</i> Wall. ex DC.	CHAMPASAK, Khong Distr., Maxwell 98-185 (CMU)
<i>Thorelia montana</i> Gagnep.	CHAMPASAK, Khong Distr., Maxwell 97-1090 (L)
<b>Convolvulaceae</b>	
<i>Aniseia martinicensis</i> (Jacq.) Joisy	CHAMPASAK, Khong Distr., Maxwell 98-1015 (CMU)
<i>Convolvulus alsinoides</i> L.	CHAMPASAK, Khong Distr., Maxwell 98-1038 (CMU)
<i>Erycibe subspicata</i> Wall. ex G.Don	CHAMPASAK, Khong Distr., Maxwell 98-944 (L)
<i>Ipomoea quamoclit</i> L.	LOUANGPHRABANG, Louangphrabang Distr., de Rouw 551 (CMU)
<i>Jacquemonita paniculata</i> (Burm.f.) Hallier f.	CHAMPASAK, Khong Distr., Maxwell 98-65 (CMU)
<i>Lepistemon binectariferum</i> Kuntze	LOUANGPHRABANG, Louangphrabang Distr., de Rouw 222 (CMU)
<i>Operculina turpethum</i> (L.) Silva Manso	LOUANGPHRABANG, Louangphrabang Distr., de Rouw 551 (CMU)
	LOUANGPHRABANG, Louangphrabang Distr., de Rouw 549 (CMU)
<b>Cyperaceae</b>	
<i>Cyperus imbricatus</i> Retz.	LOUANGPHRABANG, Louangphrabang Distr., de Rouw 190 (CMU)
<i>Cyperus laxus</i> Lam.	CHAMPASAK, Khong Distr., Maxwell 98-516 (CMU)
<i>Cyperus laxus</i> var. <i>macrostachyus</i> (Boeck.) Karth.	LOUANGPHRABANG, Louangphrabang Distr., de Rouw 126 (CMU)
<i>Cyperus michelianus</i> (L.) Delile subsp. <i>pygmaeus</i> (Rottb.) Asch. & Graebn.	CHAMPASAK, Khong Distr., Maxwell 98-191 (CMU)
<i>Cyperus rotundus</i> L.	CHAMPASAK, Khong Distr., Maxwell 98-915 (CMU)
	LOUANGPHRABANG, Louangphrabang Distr., de Rouw 187 (NUoL)

Family, genus and species	Province, district, voucher specimen and herbarium location
<i>Eleocharis retroflexa</i> (Poir.) Urb. subsp. <i>chaetaria</i> (Roem. & Schult.) T. Koyama	KHAMMOUAN, Nakai Distr., <i>Newman et al.</i> LAO 538B (E)
<i>Finbristylis obtusata</i> (C.B.Clarke) Ridl.	CHAMPASAK, Khong Distr., <i>Maxwell</i> 98-957 (CMU)
<i>Scleria lithosperma</i> subsp. <i>linearis</i> (Benth.) T. Koyama	CHAMPASAK, Khong Distr., <i>Maxwell</i> 98-888 (CMU)
<i>Scleria psilorrhiza</i> C.B. Clarke	CHAMPASAK, Khong Distr., <i>Maxwell</i> 98-972 (CMU)
<i>Scleria purpurascens</i> Steud.	KHAMMOUAN, Nakai Distr., <i>Newman et al.</i> LAO 296 (E)
<b>Daphniphyllaceae</b>	
<i>Daphniphyllum pentandra</i> Hayata	KHAMMOUAN, Nakai Distr., <i>Svengsuksa</i> BT-56 (L)
<b>Dennstaedtiaceae</b>	
<i>Lindsaea commixta</i> Tagawa	KHAMMOUAN, Nakai Distr., <i>Newman et al.</i> LAO 867 (E)
<i>Microlepia herbacea</i> Ching & C. Chr. ex Tardieu & Ching	LOUANGPHRABANG, Louangphrabang Distr., <i>de Rouw</i> 559 (CMU)
<b>Dichapetalaceae</b>	
<i>Dichapetalum longipetalum</i> (Turcz.) Engl.	KHAMMOUAN, Nakai Distr., <i>Newman et al.</i> LAO 619 (E)
<b>Dilleniaceae</b>	
<i>Tetracera loureirii</i> Craib	CHAMPASAK, Khong Distr., <i>Maxwell</i> 98-458 (CMU)
<i>Tetracera sarmentosa</i> (L.) Vahl	KHAMMOUAN, Nakai Distr., <i>Newman et al.</i> LAO 820 (E)
<b>Dioscoreaceae</b>	
<i>Dioscorea arachidna</i> Prain & Burkill	CHAMPASAK, Khong Distr., <i>Maxwell</i> 97-1075 (CMU)
<i>Dioscorea rockii</i> Prain & Burkill	LOUANGPHRABANG, Louangphrabang Distr., <i>de Rouw</i> 563 (CMU)
<b>Dryopteridaceae</b>	LOUANGPHRABANG, Louangphrabang Distr., <i>de Rouw</i> 560 (CMU)
<i>Bolbitis appendiculata</i> (Willd.) K. Iwats.	KHAMMOUAN, Nakai Distr., <i>Newman et al.</i> LAO 369 (E)
<i>Bolbitis hookeriana</i> K. Iwats.	CHAMPASAK, Khong Distr., <i>Maxwell</i> 97-1151 (CMU)
<i>Diplazium petelotii</i> Tardieu	LOUANGPHRABANG, Louangphrabang Distr., <i>de Rouw</i> 688 (CMU)
<i>Tectaria brachiata</i> (Zoll. & Moritz) C.V. Morton	KHAMMOUAN, Nakai Distr., <i>Newman et al.</i> LAO 191 (E)
<i>Tectaria herpetocaulos</i> Holttum	LOUANGPHRABANG, Louangphrabang Distr., <i>de Rouw</i> 565 (CMU)
<i>Tectaria impressa</i> (Fée) Holttum	CHAMPASAK, Khong Distr., <i>Maxwell</i> 97-1165 (CMU)

Family, genus and species	Province, district, voucher specimen and herbarium location
<b>Ebenaceae</b>	
<i>Diospyros apiculata</i> Hiern	KHAMMOUAN, Nakai Distr., Newman <i>et al.</i> LAO 66 (E)
<i>Diospyros dasyphylla</i> Kurz	LOUANGPHRABANG, Louangphrabang Distr., de Rouw 364 (CMU)
<i>Diospyros ehretoides</i> Wall.	CHAMPASAK, Khong Distr., Maxwell 98-993 (CMU)
<i>Diospyros filipendula</i> Pierre	CHAMPASAK, Khong Distr., Maxwell 98-154 (CMU)
<i>Diospyros rubra</i> Lecomte	LOUANGPHRABANG, Louangphrabang Distr., de Rouw 396 (CMU)
<b>Elaeocarpaceae</b>	
<i>Elaeocarpus petiolatus</i> (Jack) Wall.	KHAMMOUAN, Nakai Distr., Newman <i>et al.</i> LAO 71 (E)
<b>Ericaceae</b>	
<i>Enkianthus quinqueflorus</i> Lour.	KHAMMOUAN, Boulapha Distr., Newman <i>et al.</i> LAO 1425 (E)
<b>Eriocaulaceae</b>	
<i>Eriocaulon echinulatum</i> Mart.	KHAMMOUAN, Nakai Distr., Newman <i>et al.</i> LAO 700 (E)
<i>Eriocaulon escape</i> B.Hansen	KHAMMOUAN, Nakai Distr., Newman <i>et al.</i> LAO 887 (E)
<i>Eriocaulon nepalense</i> var. <i>luzulaefolium</i> (Mart.) A.Prajaksood & J.Parn.	KHAMMOUAN, Nakai Distr., Newman <i>et al.</i> LAO 532 (E)
<b>Erythroxylaceae</b>	
<i>Erythroxylum cambodianum</i> Pierre	CHAMPASAK, Khong Distr., Maxwell 98-940 (CMU)
<b>Euphorbiaceae</b>	
<i>Blachia poilanei</i> Gagnep.	XAIGNABOURI, Paklay Distr., Maxwell 99-289 (L)
<i>Blachia stamensis</i> Gagnep.	CHAMPASAK, Khong Distr., Maxwell 98-996 (L)
<i>Croton joufra</i> Roxb.	CHAMPASAK, Phonthong Distr., Munzinger 92 (P)
<i>Euphorbia thymifolia</i> L.	CHAMPASAK, Khong Distr., Maxwell 98-467 (L)
<i>Mallotus cuneatus</i> Ridl.	LOUANGPHRABANG, Louangphrabang Distr., de Rouw 574 (NUoL)
<i>Sampantaea amentiflora</i> (Airy Shaw) Airy Shaw	CHAMPASAK, Khong Distr., Maxwell 97-1174 (L)
<i>Strophoblachia fimbrialyx</i> Boerl.	CHAMPASAK, Khong Distr., Maxwell 97-1178 (L)
<b>Fagaceae</b>	
<i>Castanopsis echinocarpa</i> Miq.	KHAMMOUAN, Thakhek Distr., Svengsuka BT-1 (L)
	KHAMMOUAN, Nakai Distr., Newman <i>et al.</i> LAO 909 (E)

Family, genus and species	Province, district, voucher specimen and herbarium location
<i>Lithocarpus elegans</i> (Blume) Hatus. ex Soepadmo	LOUANGPHRABANG, Louangphrabang Distr., de Rouw 432 (CMU)
<i>Lithocarpus polystachyus</i> (A.DC.) Rehder	LOUANGPHRABANG, Louangphrabang Distr., de Rouw 586 (CMU)
<b>Gesneriaceae</b>	
<i>Calcareoboea bonii</i> (Pellegr.) B.L.Burtt	CHAMPASAK, Khong Distr., Maxwell 98-1018 (L)
<i>Ornithoboea leptoneura</i> B.L.Burtt	CHAMPASAK, Phonthong Distr., Munzinger 247 (P)
<b>Gramineae</b>	
<i>Andropogon chinensis</i> (Nees) Merr.	KHAMMOUAN, Nakai Distr., Newman et al. LAO 935 (E)
<i>Arthraxon hispidus</i> (Thunb.) Makino	KHAMMOUAN, Nakai Distr., Newman et al. LAO 705 (E)
<i>Arundinella bengalensis</i> Druce	KHAMMOUAN, Nakai Distr., Newman et al. LAO 930 (E)
<i>Bothriochloa bladonii</i> (Retz.) S.T.Blake	CHAMPASAK, Khong Distr., Maxwell 98-873 (CMU)
<i>Coelachne perpusilla</i> (Nees ex Steud.) Thwaites	CHAMPASAK, Khong Distr., Maxwell 98-980 (CMU)
<i>Digitaria bicornis</i> (L.) Roem. & Schult.	CHAMPASAK, Khong Distr., Maxwell 98-204 (CMU)
<i>Digitaria siamensis</i> Henrad	CHAMPASAK, Khong Distr., Maxwell 98-890 (CMU)
<i>Echinochloa colona</i> (L.) Link	CHAMPASAK, Khong Distr., Maxwell 98-489 (CMU)
<i>Eragrostis japonica</i> (Thunb.) Trin.	LOUANGPHRABANG, Louangphrabang Distr., de Rouw 359 (CMU)
<i>Eragrostis pilosa</i> P.Beauv.	CHAMPASAK, Khong Distr., Maxwell 98-198 (CMU)
<i>Eremochloa ciliaris</i> (L.) Merr.	CHAMPASAK, Khong Distr., Maxwell 98-928 (CMU)
<i>Leptochloa chinensis</i> (L.) Nees	CHAMPASAK, Khong Distr., Maxwell 98-174 (CMU)
<i>Lophopogon intermedius</i> A.Camus	LOUANGPHRABANG, Louangphrabang Distr., de Rouw 436 (CMU)
<i>Microstegium vagans</i> (Nees ex Steud.) A.Camus	CHAMPASAK, Khong Distr., Maxwell 98-141 (CMU)
<i>Ottochloa nodosa</i> (Kunth) Dandy	LOUANGPHRABANG, Louangphrabang Distr., de Rouw 593 (CMU)
<i>Panicum anoenum</i> Balansa	CHAMPASAK, Khong Distr., Maxwell 98-1044 (CMU)
<i>Panicum humile</i> Nees ex Steud.	LOUANGPHRABANG, Louangphrabang Distr., de Rouw 294 (CMU)
<i>Paspalum conjugatum</i> P.J.Bergius	LOUANGPHRABANG, Louangphrabang Distr., de Rouw 198 (CMU)
<i>Phragmites vallatoria</i> (Pluk) Veldkamp	LOUANGPHRABANG, Louangphrabang Distr., de Rouw 334 (CMU)
<i>Setaria parviflora</i> (Poir.) Kerguelen	LOUANGPHRABANG, Louangphrabang Distr., de Rouw 197 (CMU)
	CHAMPASAK, Khong Distr., Maxwell 98-142 (CMU)
	LOUANGPHRABANG, Louangphrabang Distr., de Rouw 592 (CMU)
	CHAMPASAK, Khong Distr., Maxwell 98-929 (CMU)



Family, genus and species	Province, district, voucher specimen and herbarium location
<i>Sphaerocaryum malaccense</i> (Trin.) Pilg.	KHAMMOUAN, Nakai Distr., Newman et al. LAO 533 (E)
<i>Sporobolus harmandii</i> Hentard	CHAMPASAK, Khong Distr., Maxwell 98-862 (CMU)
<i>Thyrsostachys oliveri</i> Gamble	CHAMPASAK, Khong Distr., Maxwell 98-135 (CMU)
<i>Urochloa setigera</i> (Retz.) Stapf	CHAMPASAK, Khong Distr., Maxwell 98-197 (L)
<i>Zoysia matrella</i> (L.) Merr.	LOUANGPHRABANG, Louangphrabang Distr., de Rouw 591 (CMU)
<b>Guttiferae</b>	
<i>Garcinia cowa</i> Roxb.	CHAMPASAK, Khong Distr., Maxwell 98-546 (CMU)
<i>Garcinia merguensis</i> Wight	LOUANGPHRABANG, Louangphrabang Distr., de Rouw 598 (CMU)
<i>Mammea siamensis</i> T.Anderson	CHAMPASAK, Khong Distr., Maxwell 98-500 (CMU)
<b>Hydrocharitaceae</b>	
<i>Blyxa aubertii</i> A.Rich.	KHAMMOUAN, Nakai Distr., Newman et al. LAO 952 (E)
<i>Blyxa japonica</i> Maxim. ex Asch. & Gürke	KHAMMOUAN, Nakai Distr., Newman et al. LAO 669 (E)
<i>Hydrilla verticillata</i> (L.f.) Royle	CHAMPASAK, Khong Distr., Maxwell 98-173 (CMU)
<i>Najas kingii</i> Rendle	KHAMMOUAN, Nakai Distr., Newman et al. LAO 669 (E)
<i>Ottelia alismoides</i> (L.) Pers.	CHAMPASAK, Khong Distr., Maxwell 98-1035 (CMU)
<b>Hypericaceae</b>	
<i>Cratoxylum cochinchinense</i> Blume	LOUANGPHRABANG, Louangphrabang Distr., de Rouw 265 (CMU)
<i>Cratoxylum maingayi</i> Dyer	CHAMPASAK, Khong Distr., Maxwell 98-436 (CMU)
<i>Hypericum japonicum</i> Thunb. ex Murray	KHAMMOUAN, Nakai Distr., Newman et al. LAO 73 (E)
<b>Hypoxidaceae</b>	
<i>Curculigo conoc</i> Gagnep.	BOLIKHAMXAI, Khamkheuth Distr., Newman et al. LAO 1321 (E)
<i>Curculigo latifolia</i> Dryand. ex W.T.Aiton	LOUANGPHRABANG, Louangphrabang Distr., de Rouw 370 (CMU)
<b>Icacinaceae</b>	
<i>Apodytes dimidiata</i> E.Mey. ex Arn.	KHAMMOUAN, Nakai Distr., Newman et al. LAO 671 (E)
<b>Illiciaceae</b>	
<i>Illicium peninsulare</i> A.C.Sm.	KHAMMOUAN, Boulapha Distr., Newman et al. LAO 1305 (E)
<i>Illicium verum</i> Hook.f.	KHAMMOUAN, Boulapha Distr., Newman et al. LAO 1424 (E)

Family, genus and species	Province, district, voucher specimen and herbarium location
<b>Irvingiaceae</b>	
<i>Irvingia malayana</i> Oliv.	BOLIKHAMXAI, Khamkheuth Distr., Newman et al. LAO 1363 (E)
<b>Iteaceae</b>	
<i>Itea macrophylla</i> Wall.	KHAMMOUAN, Nakai Distr., Newman et al. LAO 635 (E)
<b>Labiatae</b>	
<i>Clerodendrum cochinchinense</i> Dop	CHAMPASAK, Phonthong Distr., Munzinger 87 (P)
<i>Clerodendrum disparifolium</i> Blume	LOUANGPHRABANG, Louangphrabang Distr., de Rouw 754 (CMU)
<i>Clerodendrum finetii</i> Dop	CHAMPASAK, Phonthong Distr., Munzinger 243 (P)
<i>Congea chinensis</i> Moldenke	KHAMMOUAN, Nakai Distr., Newman et al. LAO 23 (E)
<i>Glossocarya siamensis</i> Craib	CHAMPASAK, Khong Distr., Maxwell 98-906 (L)
<i>Gmelina philippinensis</i> Cham.	CHAMPASAK, Khong Distr., Maxwell 98-430 (CMU)
<i>Gomphostemma strobilinum</i> Wall.	LOUANGPHRABANG, Louangphrabang Distr., de Rouw 376 (CMU)
<i>Gomphostemma wallichii</i> Prain	LOUANGPHRABANG, Louangphrabang Distr., de Rouw 604 (CMU)
<b>Lauraceae</b>	
<i>Cinnamomum tamala</i> (Buch.-Ham.) T.Nees & C.H.Eberm.	KHAMMOUAN, Nakai Distr., Newman et al. LAO 179 (E)
<i>Litsea grandis</i> Hook.f.	KHAMMOUAN, Nakai Distr., Newman et al. LAO 890 (E)
<i>Litsea semecarpifolia</i> Hook.f.	LOUANGPHRABANG, Louangphrabang Distr., de Rouw 281 (CMU)
<i>Persea odoratissima</i> (Nees) Kosterm.	KHAMMOUAN, Nakai Distr., Newman et al. LAO 126 (E)
<i>Phoebe cathia</i> (D.Don) Kosterm.	KHAMMOUAN, Nakai Distr., Newman et al. LAO 124 (E)
<b>Lecythidaceae</b>	
<i>Careya arborea</i> Roxb.	KHAMMOUAN, Nakai Distr., Newman et al. LAO 277 (E)
<b>Lenmaceae</b>	
<i>Lenna perpusilla</i> Torr.	CHAMPASAK, Khong Distr., Maxwell 98-966 (CMU)
<b>Lentibulariaceae</b>	
<i>Utricularia aurea</i> Lour.	CHAMPASAK, Khong Distr., Maxwell 98-952 (CMU)
	KHAMMOUAN, Nakai Distr., Newman et al. LAO 953 (E)

Family, genus and species	Province, district, voucher specimen and herbarium location
<i>Utricularia bifida</i> L.	CHAMPASAK, Khong Distr., Maxwell 97-1060 (CMU) KHAMMOUAN, Nakai Distr., Newman et al. LAO 693 (E)
<b>Loganiaceae</b>	
<i>Strychnos ignatii</i> Bergius	KHAMMOUAN, Nakai Distr., Newman et al. LAO 1001 (E)
<i>Strychnos kerrii</i> A.W.Hill	CHAMPASAK, Khong Distr., Maxwell 97-1072 (CMU)
<b>Loranthaceae</b>	
<i>Helixanthera cylindrica</i> (Jack) Danser	KHAMMOUAN, Boulapha Distr., Newman et al. LAO 1476 (E)
<i>Macrosolen lowii</i> (King) Tregn.	CHAMPASAK, Khong Distr., Maxwell 97-1098 (CMU)
<b>Lythraceae</b>	
<i>Rotala wallichii</i> Koehne	KHAMMOUAN, Nakai Distr., Newman et al. LAO 954 (E)
<b>Malvaceae</b>	
<i>Bombax ceiba</i> L.	KHAMMOUAN, Nakai Distr., Newman et al. LAO 571 (E)
<i>Brownlowia emarginata</i> Pierre	CHAMPASAK, Khong Distr., Maxwell 98-531 (CMU)
<i>Colona flagrocarpa</i> (Brandis) Craib	LOUANGPHRABANG, Louangphrabang Distr., de Rouw 734 (CMU)
<i>Commersonia bartramia</i> (L.) Merr.	KHAMMOUAN, Nakai Distr., Newman et al. LAO 580 (E)
<i>Corchorus aestuans</i> L.	KHAMMOUAN, Nakai Distr., Newman et al. LAO 782 (E)
<i>Dombeya acutangula</i> Cav.	LOUANGPHRABANG, Louangphrabang Distr., de Rouw 257 (CMU)
<i>Firmiana colorata</i> (Roxb.) R.Br.	LOUANGPHRABANG, Louangphrabang Distr., de Rouw 729 (CMU)
<i>Grewia paniculata</i> Roxb.	LOUANGPHRABANG, Louangphrabang Distr., de Rouw 337 (CMU)
<i>Helicteres elongata</i> Wall.	CHAMPASAK, Phonthong Distr., Munzinger 183 (P)
<i>Hibiscus furcatus</i> Roxb.	LOUANGPHRABANG, Louangphrabang Distr., de Rouw 160 (CMU)
<i>Kydia calycina</i> Roxb.	KHAMMOUAN, Nakai Distr., Newman et al. LAO 480 (E)
<i>Microcos paniculata</i> L.	LOUANGPHRABANG, Louangphrabang Distr., de Rouw 277 (CMU)
<i>Microcos tomentosa</i> Sm.	XIENGGHOANG, Muong Kham Distr., Newman et al. LAO 1127 (E)
<i>Sida cordifolia</i> L.	CHAMPASAK, Khong Distr., Maxwell 97-1187 (CMU) KHAMMOUAN, Nakai Distr., Newman et al. LAO 421 (E) BOLIKHAMXAI, Khamkheuth Distr., Newman et al. LAO 1358 (E) LOUANGPHRABANG, Louangphrabang Distr., de Rouw 321 (CMU)

Family, genus and species	Province, district, voucher specimen and herbarium location
<i>Sterculia balanghas</i> L.	KHAMMOUAN, Nakai Distr., <i>Newman et al.</i> LAO 819 (E)
<i>Sterculia urens</i> Roxb.	CHAMPASAK, Khong Distr., <i>Maxwell</i> 98-170 (L)
<i>Triumfetta bartramia</i> L.	KHAMMOUAN, Nakai Distr., <i>Newman et al.</i> LAO 395 (E)
<i>Waltheria americana</i> L.	CHAMPASAK, Khong Distr., <i>Maxwell</i> 98-1024 (L)
<b>Marattiaceae</b>	
<i>Angiopteris evecata</i> (G.Forst.) Hoffm.	LOUANGPHRABANG, Louangphrabang Distr., <i>de Rouw</i> 114 (CMU)
<b>Marsileaceae</b>	
<i>Marsilea quadrifolia</i> L.	CHAMPASAK, Khong Distr., <i>Maxwell</i> 98-199 (CMU)
<b>Melastomataceae</b>	
<i>Melastoma sanguineum</i> Sims	CHAMPASAK, Khong Distr., <i>Maxwell</i> 98-942 (CMU)
<i>Osbeckia stellata</i> var. <i>rostrata</i> (D.Don) C.Hansen	KHAMMOUAN, Nakai Distr., <i>Newman et al.</i> LAO 440 (E)
<i>Pseudodissochaeta septentrionalis</i> (W.W.Sm.) M.P.Nayar	KHAMMOUAN, Nakai Distr., <i>Newman et al.</i> LAO 67 (E)
<i>Sonerila erecta</i> Jack	KHAMMOUAN, Nakai Distr., <i>Newman et al.</i> LAO 569 (E)
<b>Meliaceae</b>	
<i>Aglaia pachyphylla</i> Miq.	KHAMMOUAN, Nakai Distr., <i>Newman et al.</i> LAO 220 (E)
<i>Sandoricum koeijape</i> (Burm.f.) Merr.	CHAMPASAK, Khong Distr., <i>Maxwell</i> 98-537 (L)
<i>Walsura pinnata</i> Hassk.	CHAMPASAK, Khong Distr., <i>Maxwell</i> 98-433 (L)
<i>Walsura robusta</i> Roxb.	CHAMPASAK, Khong Distr., <i>Maxwell</i> 98-534 (L)
<b>Menispermaceae</b>	
<i>Cocculus orbiculatus</i> (L.) DC.	KHAMMOUAN, Nakai Distr., <i>Newman et al.</i> LAO 513 (E)
<i>Cyclea barbata</i> Miers	CHAMPASAK, Khong Distr., <i>Maxwell</i> 97-1173 (CMU)
<i>Cyclea tonkinensis</i> Gagnep.	LOUANGPHRABANG, Louangphrabang Distr., <i>de Rouw</i> 102 (CMU)
<i>Stephania japonica</i> var. <i>discolor</i> (Blume) Forman	KHAMMOUAN, Nakai Distr., <i>Newman et al.</i> LAO 584 (E)
<b>Menyanthaceae</b>	
<i>Nymphoides indica</i> (L.) O.Kuntze	KHAMMOUAN, Nakai Distr., <i>Newman et al.</i> LAO 558 (E)
<b>Moraceae</b>	
<i>Artocarpus lakoocha</i> Roxb.	CHAMPASAK, Khong Distr., <i>Maxwell</i> 98-948 (CMU)
	LOUANGPHRABANG, Louangphrabang Distr., <i>de Rouw</i> 629 (CMU)

Family, genus and species	Province, district, voucher specimen and herbarium location
<i>Broussonetia kurzii</i> (Hook.f.) Corner	KHAMMOUAN, Nakai Distr., Newman et al. LAO 350 (E)
<i>Ficus chartacea</i> King	KHAMMOUAN, Nakai Distr., Newman et al. LAO 272 (E)
<i>Ficus curtipipes</i> Corner	CHAMPASAK, Khong Distr., Maxwell 97-1119 (CMU)
<i>Ficus heteropleura</i> Blume	KHAMMOUAN, Nakai Distr., Newman et al. LAO 506 (E)
<i>Ficus lamponga</i> Miq.	KHAMMOUAN, Nakai Distr., Newman et al. LAO 264 (E)
<i>Ficus pisocarpa</i> Blume	KHAMMOUAN, Nakai Distr., Newman et al. LAO 26 (E)
<i>Ficus pubilimba</i> Merr.	CHAMPASAK, Khong Distr., Maxwell 98-492 (CMU)
<i>Ficus punctata</i> Thuurb.	KHAMMOUAN, Nakai Distr., Newman et al. LAO 765 (E)
<i>Ficus semicordata</i> Buch.-Ham. ex Sm.	KHAMMOUAN, Nakai Distr., Newman et al. LAO 554 (E)
<i>Morus macroura</i> Miq.	LOUANGPHRABANG, Louangphrabang Distr., de Rouw 253 (CMU)
<i>Morus australis</i> Poirlet	LOUANGPHRABANG, Louangphrabang Distr., de Rouw 628 (CMU)
<i>Morus</i> <i>australis</i> Poirlet	CHAMPASAK, Khong Distr., Maxwell 98-486 (CMU)
<b>Myristicaceae</b>	
<i>Hor-sfieldia thorelii</i> Lecomte	CHAMPASAK, Khong Distr., Maxwell 98-1057 (CMU)
<i>Knema conferta</i> (King) Warb.	CHAMPASAK, Khong Distr., Maxwell 97-1164 (CMU)
<i>Knema tenuinervia</i> subsp. <i>setosa</i> W.J.de Wilde	KHAMMOUAN, Nakai Distr., Newman et al. LAO 200 (E)
<b>Myrtaceae</b>	
<i>Acmena acuminatissima</i> (Blume) Merr. & L.M.Perry	KHAMMOUAN, Nakai Distr., Newman et al. LAO 850 (E)
<i>Rhodammia cinerea</i> Jack	CHAMPASAK, Khong Distr., Maxwell 98-938 (CMU)
<i>Syzygium antisepticum</i> (Blume) Merr. & L.M.Perry	KHAMMOUAN, Newman et al. LAO 1240
<i>Syzygium siamensis</i> (Craib) Chantaran. & J.Parn.	CHAMPASAK, Khong Distr., Maxwell 98-55 (CMU)
<i>Syzygium syzygioides</i> (Miq.) Merr. & L.M.Perry	LOUANGPHRABANG, Louangphrabang Distr., de Rouw 347 (CMU)
<i>Tristaniopsis burmanica</i> (Griff.) Peter G.Wilson & J.T.Waterh.	LOUANGPHRABANG, Louangphrabang Distr., de Rouw 316 (CMU)
<i>Tristaniopsis burmanica</i> var. <i>rufescens</i> (Hance) J.Parn. & NicLugh.	KHAMMOUAN, Nakai Distr., Newman et al. LAO 9 (E)
<b>Nymphaeaceae</b>	
<i>Nymphaea nouchali</i> Burm.f.	CHAMPASAK, Khong Distr., Maxwell 98-1036 (CMU)

Family, genus and species	Province, district, voucher specimen and herbarium location
<b>Oleaceae</b>	
<i>Anacolosa poilanei</i> Gagnep.	KHAMMOUAN, Boulapha Distr., Newman et al. LAO 1465 (E)
<i>Olax scandens</i> Roxb.	CHAMPASAK, Khong Distr., Maxwell 98-101 (CMU)
<b>Oleaceae</b>	
<i>Jasminum decipiens</i> P.S.Green	KHAMMOUAN, Nakai Distr., Newman et al. LAO 712 (E)
<i>Jasminum lanceolaria</i> Roxb.	KHAMMOUAN, Nakai Distr., Newman et al. LAO 240 (E)
<i>Ligustrum confusum</i> Decne.	KHAMMOUAN, Nakai Distr., Newman et al. LAO 800 (E)
<b>Pentaphragaceae</b>	
<i>Cleyera pachyphylla</i> Chun ex H.T.Chang	KHAMMOUAN, Boulapha Distr., Newman et al. LAO 1426 (E)
<i>Eurya acuminata</i> DC.	LOUANGPHRABANG, Louangphrabang Distr., de Rouw 731 (E)
<i>Eurya acuminata</i> var. <i>wallichiana</i> Dyer	KHAMMOUAN, Nakai Distr., Newman et al. LAO 901 (E)
<i>Eurya cuneata</i> Kobuski var. <i>cuneata</i>	KHAMMOUAN, Nakai Distr., Newman et al. LAO 918 (E)
<i>Eurya nitida</i> Korth. var. <i>nitida</i>	KHAMMOUAN, Nakai Distr., Newman et al. LAO 549 (E)
<i>Eurya nitida</i> var. <i>siamensis</i> (Craib) H.Keng	KHAMMOUAN, Nakai Distr., Newman et al. LAO 273 (E)
<i>Ternstroemia gymnanthera</i> Wight & Arn.	KHAMMOUAN, Boulapha Distr., Newman et al. LAO 1413 (E)
<b>Phyllanthaceae</b>	
<i>Antidesma velutinosum</i> Blume	KHAMMOUAN, Nakai Distr., Newman et al. LAO 47 (E)
<i>Breynia glauca</i> Craib	LOUANGPHRABANG, Louangphrabang Distr., de Rouw 75 (CMU)
<i>Breynia vitis-idaea</i> (Burm.f.) C.E.C.Fisch.	CHAMPASAK, Khong Distr., Maxwell 97-1114 (L)
<i>Glochidion eriocarpum</i> Champ.	LOUANGPHRABANG, Louangphrabang Distr., de Rouw 577 (CMU)
<i>Glochidion sphaerogynum</i> (Müll.Arg.) Kurz	LOUANGPHRABANG, Louangphrabang Distr., de Rouw 338 (CMU)
<i>Phyllanthus taxadifolius</i> Beille	XAIGNABOURI, Paklay Distr., Maxwell 99-230 (L)
<i>Sauropus heteroblastus</i> Airy Shaw	KHAMMOUAN, Nakai Distr., Newman et al. LAO 154 (E)
<b>Piperaceae</b>	
<i>Piper boehmeriifolium</i> (Miq.) C.DC. var. <i>boehmeriifolium</i>	LOUANGPHRABANG, Louangphrabang Distr., de Rouw 677 (CMU)
<i>Piper retroflactum</i> Vahl.	CHAMPASAK, Khong Distr., Maxwell 98-880 (CMU)

Family, genus and species	Province, district, voucher specimen and herbarium location
<b>Plumbaginaceae</b> <i>Plumbago indica</i> L.	LOUANGPHRABANG, Louangphrabang Distr., <i>de Rouw</i> 679 (CMU)
<b>Polygonaceae</b> <i>Polygonum barbatum</i> L. <i>Polygonum flaccidum</i> Meisn.	KHAMMOUAN, Nakai Distr., <i>Newman et al.</i> LAO 222 (E) CHAMPASAK, Khong Distr., <i>Maxwell</i> 98-143 (CMU) KHAMMOUAN, Nakai Distr., <i>Newman et al.</i> LAO 495 (E)
<b>Polypodiaceae</b> <i>Loxogramme cuspidata</i> (Zenker) M.G.Price <i>Pyrrhosia longifolia</i> (Burm.f.) Morton <i>Pyrrhosia rasamale</i> (Racib.) K.H.Shing	KHAMMOUAN, Nakai Distr., <i>Newman et al.</i> LAO 391 (E) CHAMPASAK, Khong Distr., <i>Maxwell</i> 98-414 (CMU) KHAMMOUAN, Nakai Distr., <i>Newman et al.</i> LAO 74 (E) KHAMMOUAN, Nakai Distr., <i>Newman et al.</i> LAO 915 (E)
<b>Pteridaceae</b> <i>Cheilanthes chusana</i> Hook. <i>Hemionitis arifolia</i> (Burm.f.) Moore <i>Pteris heteromorpha</i> Fée	CHAMPASAK, Khong Distr., <i>Maxwell</i> 98-866 (CMU) CHAMPASAK, Khong Distr., <i>Maxwell</i> 98-425 (CMU) CHAMPASAK, Khong Distr., <i>Maxwell</i> 98-512 (CMU)
<b>Ranunculaceae</b> <i>Clematis subumbellata</i> Kurz	LOUANGPHRABANG, Louangphrabang Distr., <i>de Rouw</i> 682 (CMU)
<b>Rhamnaceae</b> <i>Berchemia floribunda</i> (Wall.) Brongn. <i>Ventilago denticulata</i> Willd. <i>Ziziphus mummularia</i> (Burm.f.) Wight & Arn.	CHAMPASAK, Khong Distr., <i>Maxwell</i> 97-1102 (CMU) KHAMMOUAN, Nakai Distr., <i>Newman et al.</i> LAO 699 (E) CHAMPASAK, Khong Distr., <i>Maxwell</i> 98-131 (CMU) CHAMPASAK, Khong Distr., <i>Maxwell</i> 98-479 (CMU)
<b>Rubiaceae</b> <i>Antiocephalus chinensis</i> (Lam.) A.Rich. <i>Argostemma laeue</i> Benn. <i>Borreria brachystema</i> (Benth.) Valetton <i>Borreria repens</i> DC. <i>Dentella repens</i> (L.) J.R.Forst. & G.Forst.	CHAMPASAK, Khong Distr., <i>Maxwell</i> 99-163 (L) KHAMMOUAN, Boulapha Distr., <i>Newman et al.</i> LAO 1449 (E) CHAMPASAK, Khong Distr., <i>Maxwell</i> 98-892 (L) CHAMPASAK, Khong Distr., <i>Maxwell</i> 98-923 (CMU) CHAMPASAK, Khong Distr., <i>Maxwell</i> 98-76 (L)

Family, genus and species	Province, district, voucher specimen and herbarium location
<i>Diplospora viridiflora</i> DC.	CHAMPASAK, Khong Distr., Maxwell 98-159 (L)
<i>Fagerlindia armigera</i> (K.Schum.) Tirweng.	CHAMPASAK, Khong Distr., Maxwell 98-440 (CMU)
<i>Gardenia sootepensis</i> Hutch.	KHAMMOUAN, Nakai Distr., Newman et al. LAO 428 (E)
	CHAMPASAK, Khong Distr., Maxwell 98-117 (L)
	KHAMMOUAN, Nakai Distr., Newman et al. LAO 309 (E)
<i>Hedyotis auricularia</i> L.	XAIGNABOURI, Paklay Distr., Maxwell 99-269 (L)
<i>Hedyotis cherevensis</i> (Pierre) Fukuoka	XAIGNABOURI, Paklay Distr., Maxwell 99-296 (L)
<i>Hedyotis coronaria</i> (Kurz) Craib	CHAMPASAK, Khong Distr., Maxwell 97-1195 (L)
	LOUANGPHRABANG, Louangphrabang Distr., de Rouw 749 (CMU)
	XAIGNABOURI, Paklay Distr., Maxwell 99-266 (L)
	CHAMPASAK, Khong Distr., Maxwell 98-954 (L)
<i>Hedyotis gracilipes</i> (Craib) Fukuoka	CHAMPASAK, Khong Distr., Maxwell 97-1080 (L)
<i>Hedyotis nodiflora</i> Wall. ex G.Don	CHAMPASAK, Khong Distr., Maxwell 98-991 (CMU)
<i>Hedyotis ovalifolia</i> Cav.	LOUANGPHRABANG, Louangphrabang Distr., de Rouw 750 (CMU)
<i>Hedyotis pinifolia</i> Wall.	CHAMPASAK, Khong Distr., Maxwell 97-1192 (L)
<i>Hedyotis pruinosa</i> Wight & Arn.	LOUANGPHRABANG, Louangphrabang Distr., de Rouw 753 (CMU)
<i>Hedyotis pterita</i> Blume	LOUANGPHRABANG, Louangphrabang Distr., de Rouw 383 (CMU)
<i>Hedyotis tenelliflora</i> var. <i>kerrii</i> (Craib) Fukui	CHAMPASAK, Khong Distr., Maxwell 97-1089 (L)
<i>Hedyotis tetraangularis</i> (Korth.) Walp.	CHAMPASAK, Khong Distr., Maxwell 98-95 (L)
<i>Ixora cibdela</i> Craib	KHAMMOUAN, Nakai Distr., Newman et al. LAO 13 (E)
<i>Ixora henryi</i> H.Lév.	CHAMPASAK, Khong Distr., Maxwell 98-105 (L)
<i>Ixora javanica</i> (Blume) DC.	LOUANGPHRABANG, Louangphrabang Distr., de Rouw 146 (CMU)
<i>Knoxia mollis</i> Wight & Arn.	CHAMPASAK, Khong Distr., Maxwell 98-511 (L)
<i>Morinda pandurifolia</i> Kuntze	KHAMMOUAN, Boulephabang Distr., Newman et al. LAO 1450 (E)
<i>Morinda umbellata</i> L.	LOUANGPHRABANG, Louangphrabang Distr., de Rouw 706 (CMU)
<i>Mussaenda sanderiana</i> Roxb.	XAIGNABOURI, Paklay Distr., Maxwell 99-280 (L)
<i>Mycetia gracilis</i> Craib	KHAMMOUAN, Boulephabang Distr., Newman et al. LAO 1219 (E)
<i>Neanotis wightiana</i> (Wight & Arn.) W.H.Lewis	CHAMPASAK, Khong Distr., Maxwell 97-1196 (L)
<i>Ophiorrhiza hispida</i> Wall. ex G.Don	VIENTIANE, Maxwell 99-175 (L)



Family, genus and species	Province, district, voucher specimen and herbarium location
<i>Oxyceros longiflora</i> (Lam.) T. Yamaz.	CHAMPASAK, Khong Distr., Maxwell 97-1122 (L)
<i>Paederia pallida</i> Craib	CHAMPASAK, Khong Distr., Maxwell 97-1188 (L)
<i>Psychotria sarmentosa</i> Blume	LOUANGPHRABANG, Louangphrabang Distr., de Rouw 701 (CMU)
<i>Tarennoidea wallichii</i> (Hook.f.) Tirveng. & Sastre	KHAMMOUAN, Boulapha Distr., Newman et al. LAO 1472 (E)
<i>Wendlandia tinctoria</i> DC.	KHAMMOUAN, Nakai Distr., Newman et al. LAO 683 (E)
<b>Ruscaceae</b>	CHAMPASAK, Khong Distr., Maxwell 98-43 (L)
<i>Ophiopogon reptans</i> Hook.f.	LOUANGPHRABANG, Louangphrabang Distr., de Rouw 431 (CMU)
<b>Santalaceae</b>	KHAMMOUAN, Nakai Distr., Newman et al. LAO 370 (E)
<i>Viscum ovalifolium</i> DC.	KHAMMOUAN, Nakai Distr., Newman et al. LAO 690 (E)
<b>Sapindaceae</b>	KHAMMOUAN, Nakai Distr., Newman et al. LAO 1423 (E)
<i>Acer calcaratum</i> Gagnep.	LOUANGPHRABANG, Louangphrabang Distr., de Rouw 83 (CMU)
<i>Dimocarpus longan</i> var. <i>obtusius</i> (Pierre) Leenh.	CHAMPASAK, Khong Distr., Maxwell 98-121 (L)
<i>Lepisanthes fruticosa</i> (Roxb.) Leenh.	KHAMMOUAN, Nakai Distr., Newman et al. LAO 603 (E)
<i>Lepisanthes rubiginosa</i> (Roxb.) Leenh.	CHAMPASAK, Khong Distr., Maxwell 98-125 (L)
<i>Lepisanthes tetraphylla</i> (Vahl) Radlk.	KHAMMOUAN, Nakai Distr., Newman et al. LAO 464 (E)
<i>Sapindus saponaria</i> L.	CHAMPASAK, Khong Distr., Maxwell 98-119 (L)
<i>Schleichera oleosa</i> (Lour.) Oken	CHAMPASAK, Khong Distr., Maxwell 98-509 (CMU)
<b>Simaroubaceae</b>	CHAMPASAK, Khong Distr., Maxwell 98-509 (CMU)
<i>Quassia harmandiana</i> (Pierre) Noot.	CHAMPASAK, Khong Distr., Maxwell 98-550 (CMU)
<b>Stemonaceae</b>	CHAMPASAK, Khong Distr., Maxwell 98-550 (CMU)
<i>Stemona burkillii</i> Prain	KHAMMOUAN, Nakai Distr., Newman et al. LAO 21 (E)
<b>Stemonuraceae</b>	KHAMMOUAN, Nakai Distr., Newman et al. LAO 843 (E)
<i>Gomphandra tetrandra</i> (Wall. ex Roxb.) Sleumer	
<b>Theaceae</b>	
<i>Camellia candida</i> H.T. Chang	

Family, genus and species	Province, district, voucher specimen and herbarium location
<i>Camellia caudate</i> Wall.	KHAMMOUAN, Nakai Distr., Newman et al. LAO 1013 (E)
<i>Camellia dhupifera</i> Lour.	KHAMMOUAN, Nakai Distr., Newman et al. LAO 547 (E)
<i>Camellia kissii</i> Wall.	KHAMMOUAN, Nakai Distr., Newman et al. LAO 1010 (E)
<b>Thelypteridaceae</b>	
<i>Meniscium proliferum</i> Sw.	CHAMPASAK, Khong Distr., Maxwell 98-144 (CMU)
<i>Thelypteris subclata</i> (Baker) K.Iwats.	LOUANGPHRABANG, Louangphrabang Distr., de Rouw 115 (CMU)
<i>Wikstroemia androsaemifolia</i> Decne.	CHAMPASAK, Phonthong Distr., Munzinger 241 (P)
<b>Urticaceae</b>	
<i>Boehmeria cildemioides</i> Miq.	LOUANGPHRABANG, Louangphrabang Distr., de Rouw 744 (CMU)
<i>Boehmeria platyphylla</i> D.Don	LOUANGPHRABANG, Louangphrabang Distr., de Rouw 743 (CMU)
<i>Boehmeria zollingeriana</i> Wedd.	XAIGNABOURI, Paklay Distr., Maxwell 99-290 (L)
<i>Elatostema bulbifera</i> Kurz	LOUANGPHRABANG, Louangphrabang Distr., de Rouw 742 (CMU)
<i>Elatostema crytrandrifolium</i> (Zoll. & Moritzi) Miq.	LOUANGPHRABANG, Louangphrabang Distr., de Rouw 740 (CMU)
<i>Elatostema monandrum</i> (D.Don) H.Hara	LOUANGPHRABANG, Louangphrabang Distr., de Rouw 746 (CMU)
<i>Laportea interrupta</i> (L.) Chew	LOUANGPHRABANG, Louangphrabang Distr., de Rouw 747 (CMU)
<b>Verbenaceae</b>	
<i>Phyla nodiflora</i> (L.) Greene	CHAMPASAK, Khong Distr., Maxwell 98-124 (CMU)
<b>Vitaceae</b>	
<i>Cayratia japonica</i> (Thunb.) Gagnep.	LOUANGPHRABANG, Louangphrabang Distr., de Rouw 761 (CMU)
<i>Cayratia roxburghii</i> (Wight & Arn.) Gagnep.	CHAMPASAK, Khong Distr., Maxwell 98-499 (CMU)
<i>Cayratia trifolia</i> Domin	CHAMPASAK, Khong Distr., Maxwell 98-473 (CMU)
<i>Cissus hastata</i> Miq.	LOUANGPHRABANG, Louangphrabang Distr., de Rouw 304 (CMU)
<i>Cissus quadrangularis</i> L.	CHAMPASAK, Khong Distr., Maxwell 98-988 (CMU)
<i>Leca indica</i> (Burm.f.) Merr.	LOUANGPHRABANG, Louangphrabang Distr., de Rouw 760 (CMU)
	CHAMPASAK, Khong Distr., Maxwell 97-1113 (CMU)
	CHAMPASAK, Khong Distr., Maxwell 98-994 (CMU)
	LOUANGPHRABANG, Louangphrabang Distr., de Rouw 167 (CMU)

Family, genus and species	Province, district, voucher specimen and herbarium location
<i>Parthenocissus semicordata</i> Planch.	LOUANGPHRABANG, Louangphrabang Distr., de Rouw 762 (CMU)
<i>Tetrastigma garrettii</i> Gagnep.	LOUANGPHRABANG, Louangphrabang Distr., de Rouw 763 (CMU)
<i>Tetrastigma lanceolarium</i> Planch.	LOUANGPHRABANG, Louangphrabang Distr., de Rouw 765 (CMU)
<b>Zingiberaceae</b>	
<i>Alpinia oblongifolia</i> Hayata	KHAMMOUAN, Nakai Distr., Newman et al. LAO 857 (E)
<i>Amomum repoeense</i> Pierre ex Gagnep.	KHAMMOUAN, Nakai Distr., Newman et al. LAO 1547 (E)
<i>Boesenbergia rotunda</i> (L.) Mansf.	CHAMPASAK, Khong Distr., Maxwell 97-1194 (CMU)
<i>Curcuma zedoaria</i> (Christm.) Roscoe	CHAMPASAK, Khong Distr., Maxwell 98-543 (CMU)
<i>Globba albiflora</i> Ridl. var. <i>aurea</i> Holttum	BOLIKHAMXAI, Khamkheuth Distr., Newman et al. LAO 1529 (E)
<i>Globba siamensis</i> (Hemsl.) Hemsl.	BOLIKHAMXAI, Khamkheuth Distr., Newman et al. LAO 1533 (E)