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**PLANT BIODIVERSITY
IN BEN EN NATIONAL PARK, VIETNAM**

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SUMMARY

The plant species diversity and vegetation types of Ben En National Park were studied to provide baseline information for conservation and sustainable use management within the Park. A total of 1389 vascular plant species are recorded in Ben En National Park belonging to 650 genera and 173 families. Together with earlier inventories this brings the total species number of vascular plants to about 1600. Three species found here are new to the flora of Vietnam (*Myristica yunnanensis* Y.H. Li - Myristicaceae, *Glyptopetalum sclerocarpum* (Kurz) M.A. Lawson - Celastraceae, and *Timonius arborea* Elmer - Rubiaceae); 7 families, 43 genera and 252 species are new records for the flora of Ben En National Park. Euphorbiaceae constitute the most diverse family with 113 species, while 47 families are represented only with one species. Phanerophytes are the dominant component (76% of all species), with chamaephytes (6%), hemicryptophytes (8.5%), cryptophytes (6%), and therophytes (4%) constituting minor proportions of the local flora.

Major parts of the forest in Ben En National Park have been impacted by man; before it became a National Park in 1992 the area was a timber concession, and use of wild and cultivated plant resources by local people in the Park continues to this day. Three man-made ecosystems are present on 29% of the surface area: 1) agricultural fields about 650 ha, 2) plantation forests about 110 ha, and 3) mixed bamboo and timber tree stands about 3800 ha. Two main vegetation types are recognized with heavily and slightly disturbed subtypes, depending on the intensity of plant use and illegal logging by the local population.

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- 1) Tropical evergreen limestone forest (subtypes: slightly disturbed, heavily disturbed, and shrubland on limestone).
- 2) Tropical evergreen lowland forest on other soils (mainly ferralitic, and in a small area on alluvial soil). Subtypes: slightly disturbed forest on ferralitic or alluvial soil, heavily disturbed forest on ferralitic soil, and shrubland vegetation outside the limestone hills.

A small area of virgin forest on limestone could not be described, because of its inaccessibility.

A total of 386 plant species are used by local people in Ben En National Park. The Park is of great importance for plant species conservation: a total of 29 plant species are listed in the red data list of IUCN (2006), and 42 species are listed in the Red Data Book of Vietnam (Ban 2007), which recognizes a total of 448 endangered species. In addition, 89 species were found to be endangered locally.

INTRODUCTION

Tropical rainforests are the most species-rich terrestrial ecosystems on earth, but these forests are rapidly disappearing as land is cleared for timber, agriculture, and other uses (Fimbel et al. 2001; Meijaard et al. 2005). Vietnam's forests contain a wealth of biodiversity (Thin 1997). The country was ranked as the 16th most biologically diverse country in the world (WCMC 1992). The forests of Vietnam have dramatically declined during the last 60 years (Chien 2006). Research on plant diversity in Vietnam has a long history, but there are relatively few detailed site studies. The botanical survey of Cuc Phuong National Park, the first National Park established in 1962, is perhaps the most complete (Thin 2000).

In this book, we briefly review the status of forest biodiversity and causes of biodiversity loss in Vietnam. Our study focuses on Ben En National Park, one of the 30 National Parks in Vietnam (Forest Protection Department 2006). The Ben En area was designated for the protection of fauna in 1979, and as a nature reserve in 1986, and National Park in 1992 to conserve the rich, but seriously threatened biodiversity of the country. The park is inhabited by 18,000 local people belonging to five ethnic groups. The vegetation of Ben En National Park has been strongly influenced by human exploitation (Khoi 1996; Hoang et al. 2008 c). The forests were commercially logged as late as 1992, and small-scale, illegal logging continues to this date (Tordoff et al. 2000; Hoang et al. 2008 c).

This study deals with the diversity of plant families, genera, species, life form, their conservation status, useful plants, and the vegetation types recorded during a two years survey in Ben En National Park from 2005 to 2007.

The status of forest and biodiversity in Vietnam

Before 1945, forests covered around 43% of Vietnam (Maurand 1943; Lung 2001). From 1954 to 1975, the forests of Vietnam were severely damaged by the long war with the United States of America. By 1976, the total area of forests had been

reduced to 11.2 million ha (33.8%), of which only 10% were primary forests (Lung 2001; Chien 2006). Since 1976, more forests have still been destroyed for many reasons, such as overexploitation, shifting cultivation, and agricultural extension. As a result, the forest cover declined to an estimated 30% in 1985, and 28% in 1995 (Lung 2001; Chien 2006). In 1998, the 5 million ha Reforestation Program was launched by the Vietnamese government with a target to plant 5 million ha of forests by 2010, restoring the forest cover to 43% (Lung 2001). The program aims not only to reforest, but also to protect existing natural forests. As a result, the forest cover of Vietnam has gradually increased. In 2003, the forested area of Vietnam was 36.1% (Hung 2004; Lan et al. 2006). However, the quality of forests is still low as most of the forests are poor in timber volume and tree species diversity and density as a result of a long time of overexploitation (Dang 2001; Chien 2006). According to Dang (2001) natural forests rich in timber resources cover only 1.4 million ha (13% of the total forest area) while poor and young plantations or naturally regenerating forests comprise around 6 million ha (55% of the total forest area).

There are many reasons for the rapid loss of forests in Vietnam, but the war played a major role (Quy 1985). More than 2 million ha of natural forests, of which 500,000 ha of closed upland forests and 30,000 ha of mangroves were completely destroyed (Westing 1971; Quy 1985; Hong 1988; Sam 2005); many large forest areas were heavily logged to support people and the war effort. Subsequently, to rebuild the country after the war, around 1.3-1.4 million m³ of timber were exploited annually (Nhat 2001; Chien 2006). Overexploitation is also an important reason for the decrease in forest resources in Vietnam. As a developing country with 80% of the population being farmers living in the countryside and remote areas, the need for firewood is huge. Annually, 22 to 23 million tons of firewood are harvested (Dang 2001). In addition, illegal logging is a serious problem as it has annually destroyed around 30,000 ha of forests in the last few decades (GoVN 1994; Chien 2006). The population of Vietnam has increased quickly, and this has also a large impact on the forests. From the beginning of the last century until 2007, the population of Vietnam increased from about 15 million to 85 million (Chien 2006). Such a large population puts the forest under heavy pressure, not only through practices of shifting cultivation, but also by transforming forested land into arable land and urban areas (Sam 1996).

Plant biodiversity in Vietnam

Vietnam possesses a rich and diverse flora, with around 28% of its total species considered endemic (Thin 1997). However, many species formerly recorded as endemic species in Vietnam also occur in China, Laos, or Thailand (Hoang et al. 2004). Thin (1997) indicated that Vietnam has 11,373 plant species, belonging to 2524 genera, 378 families and 7 major plant groups (Table 2.1). A few years later Thin (2000) estimated the Vietnamese flora to number 12,000 species.

To protect the threatened biodiversity, the Vietnamese government has established a system of protected areas with the aim of conserving the main ecosystems present in Vietnam, as well as the threatened and endemic species of flora and fauna, and the valuable landscapes for culture, ecology and biodiversity (Tai 1995; VN 2003; Chien 2006). The first National Park, Cuc Phuong, was established in 1962 as an

important landmark for forest protection and conservation in Vietnam (Thu 2002). Since then, the National Park and nature reserve system of Vietnam has developed quickly. By the year 2006, Vietnam had 126 areas of special purpose forests with a total area of 2.54 million ha (Table 2. 2), occupying 7.7% of the total area of the country (Forest Protection Department 2006).

Table 2.1. Components of the flora of Vietnam (Thin 1997)

Taxa	Number of families	Number of genera	Number of species
Bryophyta	60	182	793
Psilotophyta	1	1	2
Lycopodiophyta	3	5	57
Equisetophyta	1	1	2
Polypodiophyta	25	137	669
Gymnospermae	8	23	63
Angiospermae	299	2.175	9.787
Total	378	2.524	11.373
Endemic (%)	0	3	27.7

Table 2.2. Protected forest areas in Vietnam (Forest Protection Department 2006)

Classification	Number	Area (ha)
National Parks	30	1157.56
Nature reserve areas	46	1082.98
Species/habitat management protected areas	11	85.85
Protected landscape or seascape areas	39	215.29
Total	126	2541.68

The 4 kinds of protected areas are defined below (Forest Techniques and Science Association of Vietnam (FTSA) 2001; Chien 2006).

National Park: An area on the mainland or in the sea that has not or only slightly been impacted by human activities. It contains rare, precious or endemic species or has popular landscapes at national or international levels. The objectives of establishing a National Park are to protect the ecosystem of threatened species, as they have important roles for the country and the world, and to provide facilities for scientific study and eco-tourism.

Nature Reserve: A large area having typical ecosystems or containing populations of valuable species that need conservation. Nature Reserves are to protect and maintain ecosystems and floral and faunal species in their natural conditions. They aim also to provide for scientific research and environmental management. However, in contrast to National Parks, eco-tourism is limited in nature reserves.

Species/Habitat management protected area: A forest area established to protect, maintain and favor particular threatened species and their environment.

Protected landscape or seascape area: A protected landscape or seascape established to protect famous natural landscapes or national cultural properties. It is also to protect the natural beauty of forests, caves, waterfalls, sand dunes, coral islands and volcanic craters.

The total protected area in Vietnam is about 8% of the country (Forest Protection Department 2006). This is low compared to the minimum of 10% recommended by IUCN (1997). Control of human activities in protected areas has proved difficult due to the large number of people relying on forest resources for a living (Quy 1985; Nhat 2001; Chien 2006). Local people continue to practice agriculture in the forests, also extract timber, collect firewood, medicinal plants and other forest products, hunt and fish (Hoang et al. 2008 b & c). Although this is allowed in the buffer zones of National Parks, it is not sufficient to provide a sustainable strategy of protection and conservation if the living standard of local people is not improved. Local people should be taught new methods of cultivation, sustainable harvesting and production or should be provided with other ways to improve their living conditions. Recently the Vietnamese government issued some policies and carried out many projects to help poor local people to improve their livelihoods (GoVN 2006).

Ben En National Park

Ben En National Park is situated in Nhu Thanh and Nhu Xuan districts of the Thanh Hoa province in Vietnam $19^{\circ} 30'$ to $19^{\circ} 40'$ N by $105^{\circ} 21'$ to $105^{\circ} 35'$ E (Fig. 2.1). Before its establishment in 1986, the park was a logging enterprise. At that time many of the timber trees were cut, resulting in the fact that big trees with a diameter at breast height of over one meter were rarely observed during our field work from 2005 to 2007. Ben En National Park was established in 1992. Since then all logging activities are illegal. The core zone of the National Park covers 15,800 ha, while the buffer zone covers around 12,000 ha. About 18,000 people live in the buffer and core zones of the National Park (Tordoff et al. 2000; Hoang et al. 2008 b & c). The majority of the people who are living in the National Park belong to the Kinh, Thai, Muong, and Tay ethnic groups; although there are also a small number of Tho people. Their life still depends on forest resources, Non Timber Forest Products, as well as timber trees (Hoang et al. 2008 c).

Several studies have been carried out on the plants of Ben En National Park. Frontier phase VN 9703 conducted the first large-scale, field-based survey of the biodiversity of Ben En National Park (Khoi 1996) and reported 593 vascular plant species. Another study by Frontier-Vietnam biodiversity survey between July and September 1997 recorded 737 vascular plant species (Tordoff et al. 2000). In 2000, scientists from the Sub-institute of Forest Inventory and Planning II, Nghe An extended the list to 1347 species (Anonymous 2000).

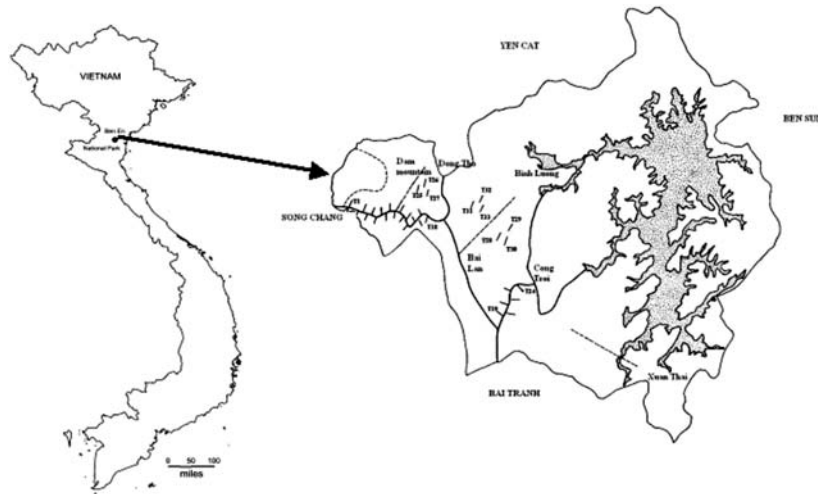


Fig. 2.1. Map of Ben En National Park in Vietnam (inset with plot transects - lakes are dotted).

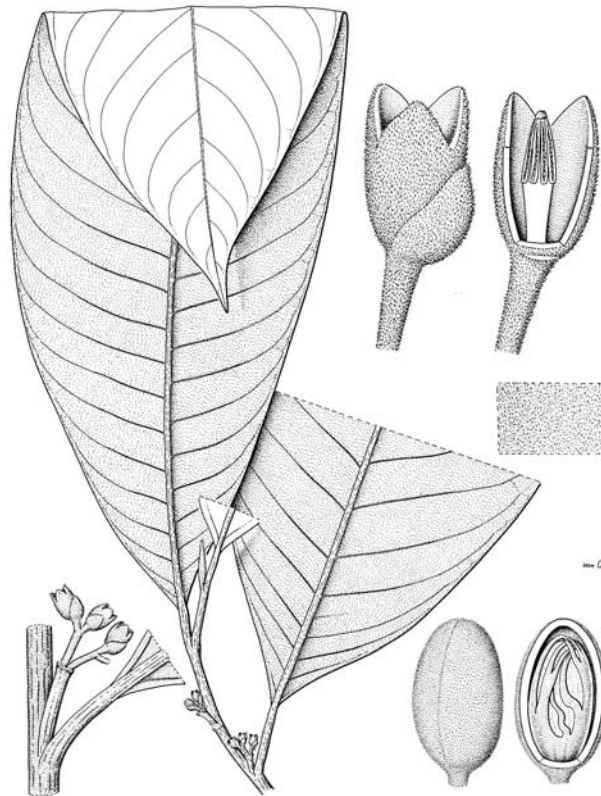


Fig. 2.2. *Myristica yunnanensis* Y.H. Li (Myristicaceae).
A new record for the flora of Vietnam.

METHODOLOGY

We used a plot design that would not only allow a comprehensive inventory of the plant species in Ben En National Park (Fig. 2.1), but that would also enable us to analyze the impact of human disturbance and exploitation (Hoang et al., in prep.). We established 41 transects, 200 m long and 2 m wide, at 250 m intervals at right angles to and along the old logging road from the Song Chang forest ranger station to Cong Troi. The total length of these transects combined is ca. 7.4 km. In each transect we noted all vascular plant species. We also established four 10 x 10 m plots at 50 m from the logging road and at 40 m forward intervals on each transect, resulting in ca. 147 plots for all transects combined (in some transects we were not able to establish four plots, because of steep, inaccessible limestone slopes). In the 147 plots (10 x 10 m) all trees with a dbh \geq 5 cm were identified. All trees and treelets with a dbh $<$ 5 cm, and h \geq 1 m high were identified in 5 x 5 m subplots within each 10 x 10 m plot.

We also established six transects to cover the rest of the Park (Fig. 2.1). Transect 1 from Bai Tron to Song Chang via Bo Cung Mountain (about 5 km), transect 2 from Ben Cay Chanh to Cong Troi (4.5 km), transect 3 from Xuan Thai commune to Dong Tho Doc Dai (about 3.5 km), transect 4 from Rung Giong to Dam Mountain (about 4 km), transect 5 from Bai Lan to Bao Khe (about 4 km), and transect 6 from Nga Ba Dong Tho to Bao Cu (about 5 km). In each transect we noted all species and collected specimens of plants which could not be identified in the field. In all six transects we established 30 random plots of 10 x 10 m, and identified all species in the plots. Furthermore we also collected many plants outside the plots and transects, to make sure that our inventory was as representative as possible of the entire species richness of the local flora.

One voucher of each specimen was deposited at the herbarium of the Vietnam Forestry University, additional vouchers were sent to the National Herbarium of the Netherlands and other specialists for identification.

Useful plants in Ben En were determined by surveys and interviews with 135 randomly-selected households. Additionally special collecting trips were organized with indigenous experts: traditional doctors, village elders and other local people who knew about useful plants (Prance et al. 1987; PID & NES 1989; Ngai 2001; Hoang et al. 2008 b & c). The endangered species were defined based on the Red Data Book of Vietnam, Vol. 2 (Ban 2007), IUCN (2006), interviews with local people and forest rangers, and frequency of trees and stumps found during the field inventory (Hoang et al. 2008 b & c; Hoang et al. in prep.).

Life forms of plants in Ben En National Park were determined based on the classification of Raunkiaer (1934), modified according to Trung (1978) and Thin (1997):

1. Phanerophytes (Ph)
2. Chamaephytes (Ch)
3. Hemicryptophytes (Hm)
4. Cryptophytes (Cr)
5. Therophytes (Th)

In the group of Phanerophytes, the life-forms found in wet tropical areas are further divided by Raunkiaer (1934), and modified by Trung (1978) and Thin (1997).

1. Mega- and Meso-phanerophytes (MM)
2. Nan-phanerophytes (Na)
3. Lianas-phanerophytes (Lp)
4. Epiphytes-phanerophytes (Ep)
5. Hemi- and parasitic phanerophytes (Pp)
6. Succulent phanerophytes (Sp)

The vegetation types of Ben En National Park were classified according to UNESCO 1973; Trung 1978; Trung 1998; Vidal 2000; the United Nations Environment Programme-World Conservation Monitoring Centre (UNEP-WCMC) 2004, and Lan et al. 2006. Additionally the human disturbance levels of the vegetation were determined by noting the number of tree stumps and number of foot paths in the plots (Hoang et al. in prep.).

RESULTS

Floristic diversity in Ben En National Park

Diversity of taxa of Ben En National Park

A total of 1389 vascular plant species were recorded in Ben En National Park, belonging to 650 genera and 173 families. 117 species could be identified to genus level only. The list of plant species in Ben En is given in the Appendix 2.1. Their distribution over the major plant groups is shown in Table 2.3.

The ten families with the highest diversity of species (dominant families) in Ben En National Park (Table 2.4), although representing only 5.9% of the total number of families, include 560 species (40.3% of the total). The most species rich family is Euphorbiaceae with 113 species. In contrast to the ten dominant families, 47 families are represented by only a single species (Appendix 2.1). The number of species in Ben En National Park is about 13% of the total species number in Vietnam (Table 2.3).

Table 2.3. Major plant groups in Ben En National Park and Vietnam

Taxa	Number of families	Number of genera	Number of species in Ben En	Number of species in Vietnam
Psilotophyta	1	1	1	2
Lycopodiophyta	2	3	5	57
Equisetophyta	1	1	1	2
Polypodiophyta	22	41	77	644
Pinophyta	4	4	10	63
Magnoliophyta	141	599	1.295	9.812
Total	173	650	1.389	10.580

Table 2.4. Top 10 families ranked according to numbers of species

Scientific name	Species	% of total species
Euphorbiaceae	113	8.1
Fabaceae	97	7.0
Lauraceae	71	5.1
Rubiaceae	61	4.4
Poaceae	52	3.7
Asteraceae	45	3.2
Annonaceae	33	2.4
Moraceae	33	2.4
Rutaceae	28	2.0
Verbenaceae	27	1.9
Total	560	40.3

New records for the flora of Vietnam and Ben En National Park

Three species are new records for the flora of Vietnam: *Myristica yunnanensis* Y.H. Li (Myristicaceae) (Hoang 2008 a - Fig. 2.2), *Glyptopetalum sclerocarpum* (Kurz) M.A. Lawson, (Celastraceae) (Hoang 2008 b - Fig. 2.3), and *Timonius arborea* Elmer (Rubiaceae - Fig. 2.4). Seven families are newly recorded for the flora of Ben En National Park: Cyatheaceae, Betulaceae, Daphniphyllaceae, Ericaceae, Gesneriaceae, Lecythidaceae, and Woodsiaceae. Our study also found 43 new genera and 252 new species for the flora of Ben En National Park (see Appendix 2.1). A total of 210 species listed by Tordoff et al. (2000) and Anonymous (2000) was not found in our inventories or was treated as a taxonomic synonym of one species in our list (see the addendum of the Appendix 2.1).

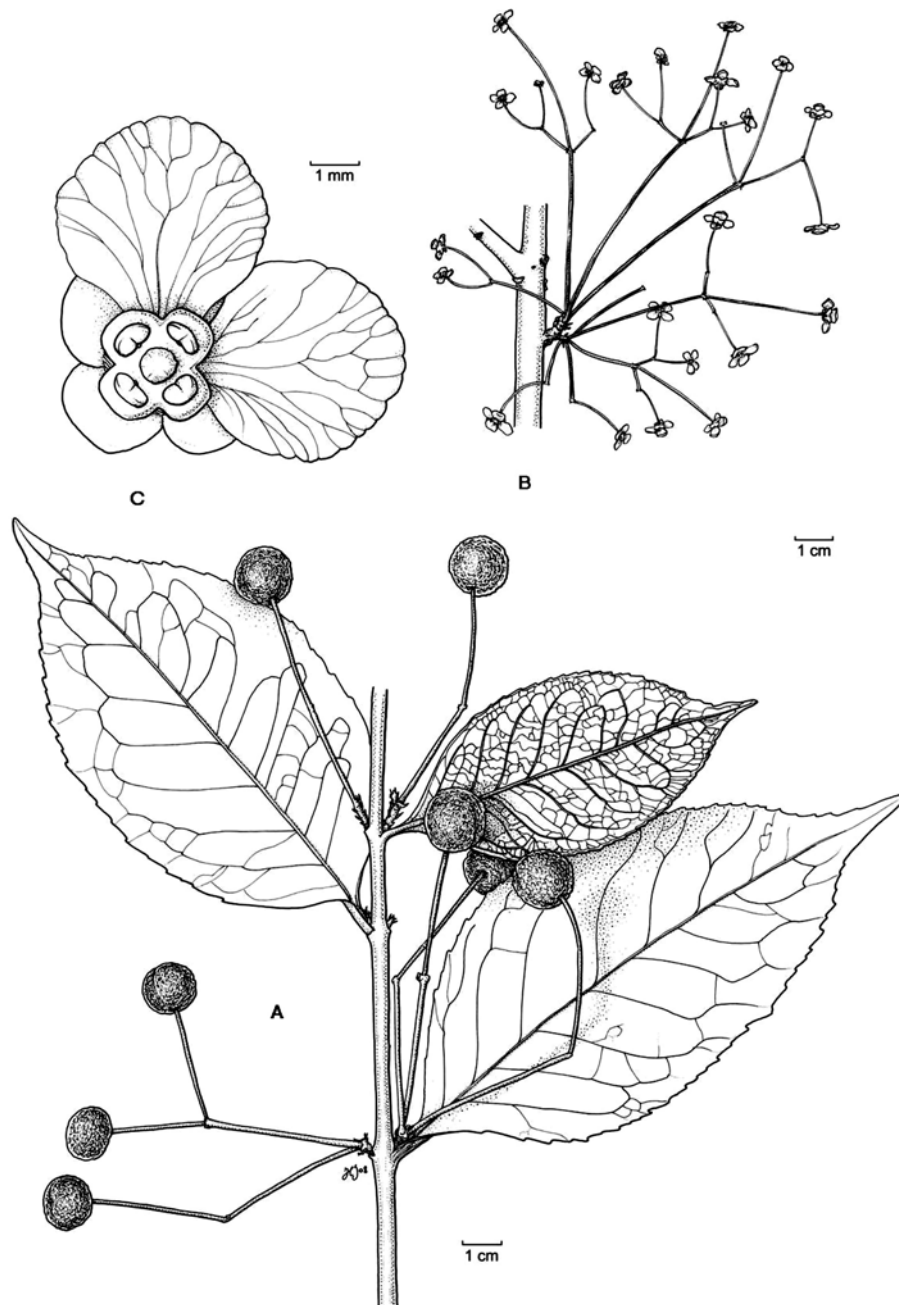


Fig. 2.3. *Glyptopetalum sclerocarpum* (Kurz) M.A Lawson (Celastraceae).
A new record for flora of Vietnam.

Diversity of life form

All species were classified by life form (Raunkiaer 1934; Trung 1978; Thin 1997). The existence of a variety of life forms reflects the typically tropical characteristics of the flora at the Ben En National Park. Phanerophytes are the most dominant life forms with about 76% of total plant species in the area (Table 2.5).

Table 2.5. Diversity of life forms in the flora of Ben En National Park

Life-forms	Number of species	% of total species
Phanerophytes	1054	75.9
Mega- / Meso-phanerophytes	575	41.4
Nano-phanerophytes	270	19.4
Lianas phanerophytes	169	12.2
Epiphytic phanerophytes	36	2.6
Hemi- and parasitic phanerophytes	2	0.1
Succulent phanerophytes	2	0.1
Chamaephytes	81	5.8
Hemicryptophytes	118	8.5
Cryptophytes	85	6.1
Therophytes	51	3.7
Total	1389	100%

Useful plant species

A total of 386 plant species are used by local people in Ben En National Park (Table 2.6) (Hoang et al. 2008 b & c), of which 52 species have more than one application. Medicinal plant species predominate among these useful plants with 230 species applied in 68 different diseases treatments (Hoang et al. 2008 b).

Table 2.6. Commodity groups of useful plants in Ben En National Park

Commodity group	Number of plant species	Percent/total (%)
Medicine	230	60
Food	142	37
Construction	40	10
Firewood	25	6
Household tools and related products	18	5
Other	16	4

Conservation status

A total of 29 plant species from Ben En National Park are listed in the Red Data list of IUCN (2006), and 42 species are listed in the Red Data Book of Vietnam (Ban 2007). However, based on our plot inventories (density of living trees and stumps) and interviews with forest rangers and local people as many as 89 species appear to be locally endangered (See species marked in Appendix 2.1).

Vegetation types in Ben En National Park

In Ben En National Park the highest peak is about 490 m, so all vegetation in the Park belongs to lowland forest types (UNESCO 1973; Trung 1978; Lan et al. 2006; UNEP-WCMC 2004). Among the natural vegetations of the Park there is a major dichotomy between the evergreen forests on limestone and those on other soil types. Each of these substrate-dependent forest types has a heavily disturbed and slightly disturbed subtype. The other four vegetation types are (almost) entirely anthropogenic: shrublands, agricultural fields, plantation forests and mixed bamboo and timber tree stands. In the following descriptions typical plant species are listed in declining order of their density (number of individuals per plot).

Tropical evergreen limestone forest

Slightly disturbed subtype

This forest type occurs in the limestone hills where local people hardly have access for cutting and transporting timber trees, e.g. on steep slopes with sharp edges that make the terrain dangerous. This forest type covers only about 90 ha. There are no stumps at all, and foot paths in this forest type are very rare. However, traces from collecting Non Timber Forest Products are present. This type can be found in Thung Sen, and a small area on Dam Mountain. The structure of this forest type includes four layers: The canopy layer is formed by trees over 15 m tall. Dominant species are *Actinodaphne obovata*, *Caryodaphnopsis tonkinensis*, *Aglaiia spectabilis*, *Saraca dives*, *Pavieasia anamensis*, *Castanopsis tonkinensis*, *Aglaiia silvestris*, *Aphanamixis grandiflora*. The subcanopy layer is characterised by small trees up to 15 m in height. Species occurring in this layer are shade tolerant species. Dominant species are *Callicarpa macrophylla*, *Acanthus ilicifolius*, *Acanthus leucostachyus*, *Callicarpa dichotoma*, *Diospyros montana*, *Miliusa balansae*, *Knema conferta*, *Melientha suavis*, *Lithocarpus pseudosundaicus*, *Antidesma hainanensis*, *Antidesma acidum*, *Baccaurea ramiflora*, *Antidesma montanum*, *Streblus macrophylla*, *Heritiera macrophylla*, *Streblus indicus*, *Sterculia lanceolata*, *Aidia pycnantha*, *Litsea mollifolia*, *Machilus bonii*, and *Phoebe macrocarpa*. The shrub layer includes only few species, like *Dracaena cambodiana*, *Dracaena cochinchinensis*, *Antidesma bunius*, *Streblus macrophylla*, *Miliusa balansae*, *Diospyros hirsuta*, *Litsea impressa*, *Cryptocarya lenticellata* and *Millettia boniana*. The herb layer is composed of a few

species of Balsaminaceae, Smilacaceae, Acanthaceae, Urticaceae, and Euphorbiaceae.

Heavily disturbed subtype

This forest type is the most common in the limestone hills where local people have easy access for cutting, transporting timber trees, e.g. near villages, or far from the forest ranger station. This forest type covers about 300 ha. Typical sites are Yen Ngua, along the old logging road, Ba Bai, Bo Cum mountain, and some small areas in the centre of the Park. Big trees are absent; stumps and foot paths are common (2 to 5 stumps, and more than one foot path in each 0.04 ha plot). The forest structure is simple with three layers: The canopy layer is composed mainly of *Callicarpa macrophylla*, *Callicarpa dichotoma*, *Acanthus ilicifolius*, *Streblus macrophylla*, *Streblus indicus*, *Diospyros montana*, *Lagerstroemia calyculata*, *Pterospermum truncatolobatum*, *Pterospermum heterophyllum*, *Antidesma montanum*, *Acanthus leucostachyus*, *Diospyros hirsuta*, *Koilocarpus longifolium*, *Hydnocarpus anthelmintica*, and *Machilus bonii*. The shrub layer is composed of few species, *Randia oxyodonta*, *Sterculia gracilipes*, *Streblus macrophylla*, *Antidesma bunius*, *Heritiera littoralis*, *Dracaena cambodiana*, *Dracaena cochinchinensis*, *Sterculia lanceolata*, *Acanthus leucostachyus*, *Diospyros hirsuta*, and *Aidia acuminatissima*. The herb layer is very simple with a few species of Acanthaceae, Balsaminaceae, Euphorbiaceae, and Smilacaceae.

Shrubland on limestone

This vegetation type is the result of heavy logging. It occurs along the old logging road, near villages, and is dominant in the buffer zone near Hai Van and Hai Long. This forest type covers a small area (about 40 ha). The shrubland is species-rich; dominant are *Dracaena cambodiana*, *Dracaena cochinchinensis*, *Memecylon edule*, *Ixora balansae*, *Melastoma* sp., *Randia pycnantha*, *Callicarpa arborea*, *Vitex trifolia*, *Acanthus ilicifolius*, *Desmos cochinchinensis*, *Uvaria micrantha*, *Alchornea tiliifolia*, *Psychotria montana*, *Aporosa microcalyx*, *Jasminum subtriplinerve*, *Helicteres angustifolia*, and species of Dryopteridaceae, Polypodiaceae, and Urticaceae.

Tropical evergreen lowland forest on other soils (mainly ferralitic and in a small area on alluvial soil)

Slightly disturbed subtype on ferralitic or alluvial soil

This forest type occurs in areas where it is difficult to transport the timber after harvesting, or where illegal logging meets with other obstacles, e.g. in steep valleys, on islands or in the vicinity of a station of the forest ranger. This forest type covers about 2140 ha. In the plots stumps are absent or at most one in each plot, foot paths are also rare (usually one in each plot). However, traces from collecting Non Timber

forest products are common. This forest type was found mainly in Thung Sen, Rung Giong, Thu Lon, Bai Lan, Khe Chuon, and some areas in the Bo Cum mountain. This forest type has four layers: The canopy layer is characterized by trees over 15 m tall: *Peltophorum tonkinensis*, *Erythrophleum fordii*, *Aglaia spectabilis*, *Saraca dives*, *Pavieasia annamensis*, *Aphanamixis grandiflora*, *Actinodaphne obovata*, *Phoebe paniculata*, *Dysoxylum caudiflorum*, *Pterospermum truncatolobatum*, *Lagerstroemia calyculata*, and *Machilus bonii*. The subcanopy layer is composed of small timber trees below 15 m in height. Dominant species are *Diospyros montana*, *Antidesma montanum*, *Diospyros hirsuta*, *Sterculia lanceolata*, *Aidia pycnantha*, *Litsea monopetala*, *Machilus chinensis*, *Phoebe macrocarpa*, *Koilodepas longifolium*, *Hydnocarpus anthelmintica*, *Syzygium wightianum*, and *Cryptocarya lenticellata*. The shrub layer is composed of many species, with as dominant ones *Antidesma bunius*, *Mallotus decipiens*, *Excoecaria cochinchinensis*, *Diospyros hirsuta*, *Milium balansae*, *Koilodepas longifolium*, *Litsea verticillata*, *Millettia boniana*, *Goniothalamus amuyon*, *Aidia oxydonta*, and *Randia sp.* The herb layer is composed mainly of species of the families Zingiberaceae, Poaceae, Acanthaceae, Rutaceae, Rubiaceae, Euphorbiaceae, Asteraceae, and ferns.

Heavily disturbed subtype on ferralitic soil

This type of forest occurs in the lowland where local people have easy access to cut and transport timber trees, e.g. near villages, or the old logging road. This is the most extensive forest type in Ben En National Park (about 4100 ha). Stumps are common (usually 3 to 5 stumps per plot), and more than one foot path traverses each plot. There are three layers. The canopy layer is composed mainly of *Syzygium wightianum*, *Callicarpa dichotoma*, *Litsea balansae*, *Diospyros hirsuta*, *Beilschmiedia balansae*, *Koilodepas longifolium*, *Callicarpa dichotoma*, *Claoxylon indicum*, *Microcos paniculata*, *Ficus hispida*, *Alangium chinense*, *Machilus bonii*, *Pterospermum truncatolobatum*, *Mallotus paniculatus*, *Antidesma montanum*, *Cryptocarya chinensis*, *Ilex cymosa*, *Flacourtia balansae*, *Lithocarpus pseudosundaicus*, *Litsea rotundifolia*, *Machilus grandifolia*, *Dysoxylum caudiflorum*, *Mischocarpus pentapetalus*, *Canarium album*, *Canarium tramdenum*, and *Erythrophleum fordii*. The shrub layer is formed by many species, mainly treelets of the canopy layer. Dominant species are *Diospyros hirsuta*, *Goniothalamus amuyon*, *Litsea rotundifolia*, *Mallotus paniculatus*, *Macaranga auriculata*, *Excoecaria cochinchinensis*, *Milium balansae*, *Antidesma bunius*, *Cryptocarya sp.*, *Machilus bonii*, *Dysoxylum caudiflorum*, *Millettia boniana*, and *Dalbergia lanceolaria*. The herb layer is composed mainly of species of the Zingiberaceae, Poaceae, Annonaceae, Rubiaceae, Asteraceae, Acanthaceae, Euphorbiaceae, and ferns.

Shrubland vegetation outside the limestone hills

As in the limestone shrublands, this vegetation type is the result of heavy logging, shifting cultivation and other former agricultural activities in the Park. This

vegetation covers about 2950 ha. It occurs along the old logging road, near villages and in places inside the Park where agriculture used to be practiced before the Park was established in 1992. These shrublands occur around Xuan Thai, Duc Luong, Dong Tho, Bai Bong, and Nga Ba Dong Tho. Dominant species are *Breynia fleuryi*, *Wikstroemia indica*, *Melastoma candidum*, *Memecylon edule*, *Aporosa microcalyx*, *Rhodomyrtus tomentosa*, *Cleistanthus petelotii*, *Mallotus barbatus*, *Macaranga denticulata*, *Desmodium heterocarpon*, *Tephrosia indica*, *Senna tora*, *Cratoxylum polyanthum*, *Cratoxylum prunifolium*, *Antidesma scandens*, *Phyllanthus reticulatus*, *Smilax corbularia*, *Thysanolaena maxima*, *Saccharum spontaneum*, *Saccharum arundinaceum*, and *Imperata cylindrica*. This type of vegetation was also found around Muc Lake, where it is dominated by *Mimosa pigra*.

Plantation forest

Plantation forest scarcely occurs in the Park, it occurs in Trai Bo, Bai village, Roc Khoan, Dong Tho, and Xuan Binh (about 110 ha). The following species are planted: *Acacia auriculaeformis*, *Acacia mangium*, *Canarium tonkinensis*, *Cassia siamea*, *Eucalyptus camaldulensis*, *Hevea brasiliensis*, *Magnolia conifera*, and *Michelia mediocris*. The structure of this forest type is simple; it includes the tree layer and a ground layer with mainly weedy species belonging to Asteraceae, Poaceae, Amaranthaceae, Rubiaceae, Euphorbiaceae, Acanthaceae, and ferns.

Bamboo mixed with timber trees

This vegetation type is due to human activity. The growth of natural bamboo is stimulated by extraction of trees. This forest type covers a large area in Ben En National Park, about 3800 ha. It was found near Chang River, Bai Lan, Xuan Thai, Xuan Binh, and some areas in the centre of the Park. In some areas there are more timber trees than bamboos, but in other areas only few timber trees occur within the bamboo stands. The bamboos are dominated by *Schizostachyum funghomii*, and a few individuals of *Bambusa flexuosa*, *Indosasa sibataeoides*, and *Indosasa sinica*. Many timber tree species are mixed with the bamboo forest. The most important ones are *Pterospermum heterophyllum*, *Beilschmiedia balansae*, *Machilus bonii*, *Lagerstroemia calyculata*, *Endospermum chinense*, *Mallotus paniculatus*, *Aglaia spectabilis*, *Saraca dives*, *Phoebe paniculata*, and *Actinodaphne obovata*. The ground layer is formed by few species of Zingiberaceae, Asteraceae, Poaceae, Amaranthaceae, Rubiaceae, Euphorbiaceae, Acanthaceae, and ferns. Bamboo stands dominated by *Schizostachyum funghomii* have no herb layer at all.

Agricultural land

Agricultural land occurs on a small scale close to the villages in Ben En National Park, in total about 650 ha of home gardens and forest land that is allocated to individual households for protection and re-plantation (GoVN 1994). The land is used for growing sugar cane, cassava, beans, peanuts, vegetables and fruit trees such

as mango, banana, jack fruit, papaya, and orange. Paddy rice (*Oryza sativa*) is grown in irrigated fields along the Muc River and in some areas close to villages.

DISCUSSION

Floristic diversity in Ben En National Park

With 1389 vascular plant species recorded in Ben En National Park in this study the species number continues to increase from the 596 species found in the first inventory (Khoi 1996), via 737 species (Tordoff et al. 2000) and 1347 species (Anonymous 2000). From our list of taxa, 7 families, 43 genera and 252 species have never been recorded in any earlier studies; e.g., in Annonaceae we found 3 new genera and 13 new species for Ben En National Park, Euphorbiaceae has 2 new genera and 37 new species. Most of the newly recorded species are found in the forest, but some of them were found in home gardens of local people in the Park where the earlier studies might not have paid attention, such as *Punica granatum* (Lythraceae), and *Barringtonia acutangula* (Lecythidaceae).

The number of new families, genera and species found in the Park indicate that the flora of Ben En National Park is highly diverse. Moreover, 14 families, 32 genera and 210 species recorded in the earlier survey (Anonymous 2000; Tordoff et al. 2000), were not found during our inventory (Addendum of Appendix 2.1). For instance, 26 species of Orchidaceae were listed by Anonymous (2000), but we only found 16 species. This means that our inventory also may not be complete or that species numbers may be unreliable due to confused taxonomy or erroneous identifications. However, it also indicates that the number of plant species in Ben En National Park is not 1389 species, but could be about 1600 species. More research will probably yield more species records, especially in the undisturbed and poorly accessible areas.

The life forms of plant species in Ben En National Park are diverse. This study demonstrates the importance of Phanerophytes, which represent about 76% of the entire local flora. This is similar to Pu Mat National Park (74.1% phanerophytes; Thin & Nhan 2003), but seemingly different from Cuc Phuong National Park (Lan et al. 1996). However, in Cuc Phuong the percentage of Phanerophytes is lower (57.8%) than in Ben En, because Bryophytes were included in the survey and omitted from ours.

Vegetation types

The vegetation of Vietnam has been studied and classified from the beginning of the last century (Chevalier 1918). Earlier studies have yielded a range of partly overlapping vegetation classifications for Vietnam (Chien 2006; Lan et al. 2006). Trung 1998 recognized 14 vegetation types in Vietnam; Canh & Ly (2004) only 4 main types, Chien (2006) and Lan et al. (2006) each 8 types. Most authors use the

term “closed tropical forest” for primary forest. However, due to logging and other human disturbance most initially closed forests have evolved into a disturbed or open subtype, with two or even only one tree layer(s).

In Ben En National Park, the main forest types depend on whether the substrate is limestone or another type of soil. Within these two evergreen tropical lowland forest types we recognize two subtypes depending on whether disturbance levels were low (“slightly disturbed”) or severe (“heavily disturbed”), as quantified by the presence and frequency of tree stumps and footpaths in the plots. The different levels of disturbance have an impact on species numbers, and tree density, especially of the important timber tree species (Hoang et al. in prep.). In the less disturbed forests, the canopy has two tree layers and the heavily disturbed forest has only one. Some small areas located near Thung Sen, and on the Dam Mountain still have undisturbed limestone forest. However, we could not access these areas, because of the steep and sharp rocky slopes.

Because of its land location and low elevation, mangroves, conifer forests and other high mountain vegetations do not occur in Ben En National Park.

Conservation of plant species

There are differences between the lists of plant species that occur in the Red Data book of Vietnam, Vol. 2 (Ban 2007), and in the Red List of IUCN (2006). The Red List of IUCN (2006) on the flora of Vietnam concentrates on tree species and there is not much information on herbs, shrubs and climbers. But not only tree species are endangered; many herbs, shrubs and climbers species are also threatened such as *Polygonum multiflorum* (Polygonaceae), a small climbing species. At the local level, more species were listed as threatened such as *Stephania longa* (Menispermaceae), *Cibotium barometz* (Dicksoniaceae), *Actinodaphne obovata*, and *Phoebe paniculata* (Lauraceae). They are perhaps not only threatened in Ben En, but also in other parts of Vietnam. *Chukrasia tabularis* is listed both in the Red List of IUCN 2006, and the Red Data Book of Vietnam (Ban 2007). This species is endangered in natural forests. However, *Chukrasia tabularis* (Meliaceae) is planted in plantation forests throughout Vietnam, and in and around Ben En National Park in particular, so that this species is not threatened here. Another species, *Alstonia scholaris* (Apocynaceae), is listed in the IUCN list of 2006, but this species is also common in plantations throughout the country. From our field surveys, it appeared that some species have become endangered by overcollecting of entire plants, such as *Morinda citrifolia*, *Morinda officinalis* (Rubiaceae), and *Smilax glabra* (Smilacaceae) (Hoang et al. 2008 b), or high intensity of illegal logging, and have become very rare in the field: *Garcinia fagraeoides* (Clusiaceae), *Markhamia stipulata* (Bignoniaceae) (Hoang et al. in prep.). Those species will soon be strongly threatened or extinct, at least locally, if no attempts are made to protect and replant them.

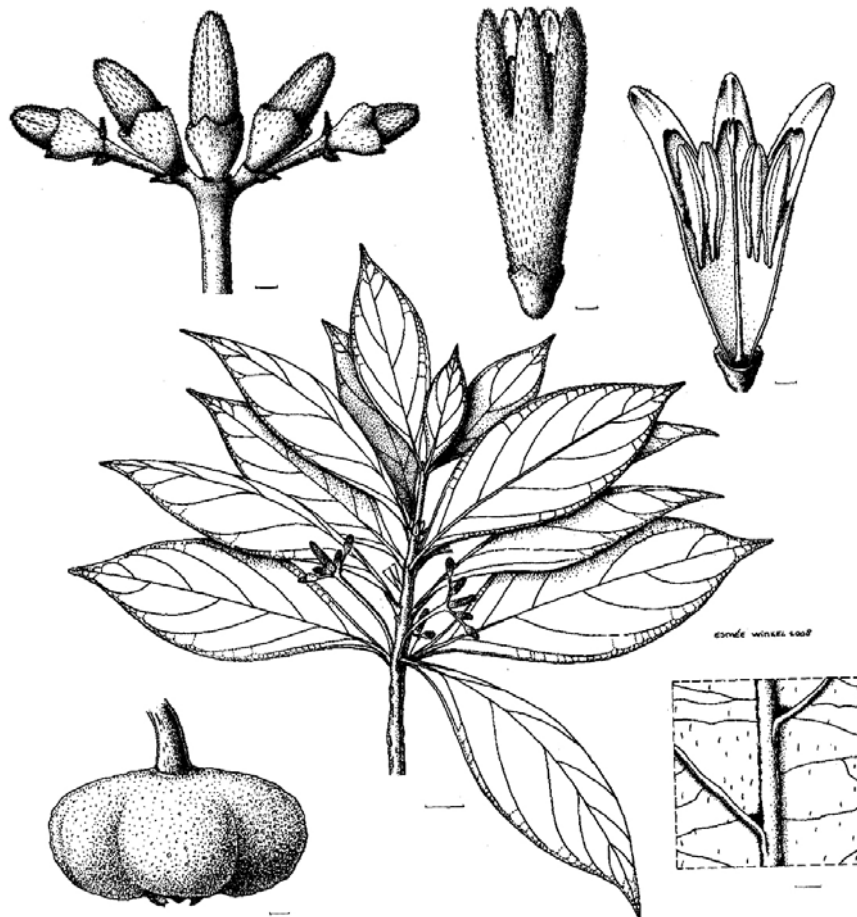


Fig. 2.4. *Timonius arborea* Elmer (Rubiaceae). A new record for flora of Vietnam.

CONCLUSION

Despite very heavy disturbance levels of the most common vegetation types in the Ben En National Park, the number of plant species is still high with an estimated number of 1600 vascular plant species. A large number of plant species provide important commodities for the local communities in Ben En National Park. Thus the plant diversity is still very big and worth conserving. Many species in the Park are threatened at the global, national and local level. Special measures are urgently needed to reverse the effects of disturbance by stopping illegal logging, and making the collection of useful plants more sustainable. In order to reduce the human pressures on the forest resources, more support is needed for local people living in the core zone of the Park, both financially and in acquiring plant cultivation skills. Additionally, a forest restoration program is needed to counteract the heavy anthropogenic disturbance in parts of the Park.

APPENDIX 2.1

List of the vascular plant species in Ben En National Park

Key: LF = life forms: Ph: Phanerophytes; MM: Mega- and Meso-phanerophytes; Na: Nano-phanerophytes; Lp: Lianas-phanerophytes; Ep: Epiphytes-phanerophytes; Pp: Hemi- and parasitic phanerophytes; Sp: Succulent phanerophytes; Ch: Chamaephytes; Hm: Hemicryptophytes; Cr: Cryptophytes; Th: Therophytes. - RDB = Red Data Book of Flora of Vietnam (2007). - RD-IUCN = Red list data of IUCN (2006). - RDBE = Red Data of Ben En National Park: CR: Critically endangered; EN: Endangered; V: Vulnerable; R: Rare; T: Threatened; NT: Near threatened; DD: Data deficient; LC, LR - Least concern. - NOTE = NFBE: New family to BENP; NGBE: New genus to BENP; NSBE: New species to BENP; NSVN: New species to Vietnam. - * Species was recorded in the plots.

SCIENTIFIC NAME	COMMON NAME	LF	RDB	RD-IUCN	RDBE	NOTE
Psilotophyta	Ngành Quyết lá thông					
Psilotaceae	Họ Quyết lá thông					
<i>Psilotum nudum</i> (L.) Beauv.*	Quyết lá thông	Ch				
Lycopodiophyta	Ngành Thông đất					
Lycopodiaceae	Họ Thông đất					
<i>Huperzia carinata</i> (Desv.) Trevis.	Thông đất	Ch				
<i>Lycopodiella cernua</i> (L.) Pic.Serm.	Thông đất	Ch				
Selaginellaceae	Họ Quyển bá					
<i>Selaginella argentea</i> (Hook. ex Grev.) Spring*	Quyển bá	Ch				
<i>Selaginella delicatula</i> (Desv.) Alston	Quyển bá	Ch				
<i>Selaginella sp.</i> *	Quyển bá	Ch				
Equisetophyta	Ngành Cỏ quần bút					
Equisetaceae	Họ Mộc tặc					
<i>Equisetum diffusum</i> D. Don*	Cỏ quần bút lan	Hm				
Polypodiophyta	Ngành Dương xỉ					
Adiantaceae	Họ Tóc thần vệ nữ					
<i>Adiantum capillus-veneris</i> L.*	Tóc thần vệ nữ	Hm				

SCIENTIFIC NAME	COMMON NAME	LF	RDB	RD-IUCN	RD BE	NOTE
<i>Adiantum caudatum</i> L.	Tóc thần vệ nữ				Hm	
<i>Adiantum erylliae</i> Hance*	Ráng				Ch	
<i>Adiantum flabellulatum</i> L.	Tóc thần				Hm	
<i>Adiantum induratum</i> Chr.*	Ráng nguyệt				Hm	
<i>Adiantum stenochlamys</i> Baker	Ráng nguyệt xi				Ch	
<i>Cheilanthes</i> sp.	Thần mô				Hm	
<i>Cheilanthes tenuifolia</i> (Burm. f.) Sw.	Thần mô				Hm	
Angiopteridaceae	Họ Quan âm					
<i>Angiopteris evecta</i> (Forst.) Hoffm.	Toà sen				Na	
Aspleniaceae	Họ Tổ chim					
<i>Asplenium griffithianum</i> Hook.*	Tổ điều				Ep	NSBE
<i>Asplenium nidus</i> L.	Tổ điều				Ep	
<i>Asplenium normale</i> D. Don*	Tổ điều thường				Ep	
<i>Asplenium obscurum</i> Blume	Ráng				Hm	
<i>Asplenium thunbergii</i> Kuntze*	Tổ điều				Hm	
Azollaceae	Họ Bèo tai chuột					
<i>Azolla imbricata</i> (Roxb.) Nakai	Bèo dậu				Cr	
Blechnaceae	Họ Ráng lá dứa					
<i>Blechnum orientale</i> L.*	Ráng lá dứa				Hm	
<i>Stenochlaena palustris</i> (Burm. f.) Bedd.	Chại				Lp	
<i>Woodwardia cochinchinensis</i> Ching	Ráng				Hm	NGBE
Cyatheaceae	Họ Dương xỉ mộc					NFBE
<i>Cyathea contaminans</i> (Hook.) Copel.*	Dương xỉ mộc				MM	NGBE
Davalliaceae	Họ Vẩy lợp					
<i>Davallia denticulata</i> (Burm.) Mett.	Ráng đà				Cr	
<i>Davallia divaricata</i> Blume*	Ráng đà hoa toả				Cr	
<i>Davallia repens</i> (L.f.) Kuhn	Quyết âm thạch				Ep	
<i>Gymnogrammitis dareiformis</i> (Hk.) Ching	Quyết mưa				Ep	

SCIENTIFIC NAME	COMMON NAME	LF	RDB	RD-IUCN	RDBE	NOTE
<i>Rumohra sp.</i>	Quyết	Ch				
Dennstaedtiaceae	Họ Ráng đàn tiết					
<i>Lindsaea odorata</i> Roxb.*	Quyết	Hm				
<i>Microlepia trapeziformis</i> (Roxb.) Kuhn	Quyết vảy	Hm				NSBE
Dicksoniaceae	Họ Lông cu li					
<i>Cibotium barometz</i> (L.) J. J. Sm.*	Lông cu li	Ch				T
Dipteridaceae	Họ Song dực					
<i>Dipteris chinensis</i> (Kaulf.) Reinw.	Quyết quạt	Hm				
Dryopteridaceae	Họ Dương xỉ thường					
<i>Cyrtomium sp.</i>	Quán chúng	Cr				
<i>Dryopteris subtriangularis</i> (Hope.) C.Chr*	Dương xỉ	Hm				
<i>Polystichopsis chinensis</i> (Rosenst.) Holttum	Quyết	Cr				
<i>Tectaria decurrens</i> (C. Presl) Copel.	Quyết ba chạc	Hm				
<i>Tectaria devexa</i> (Mett.) Copel.*	Ráng	Hm				
<i>Tectaria pentagonalis</i> (Bon) C. Chr.	Ráng	Cr				NSBE
<i>Tectaria sp.*</i>	Quyết	Cr				
<i>Tectaria vasta</i> (Blume) Copel.	Ráng	Cr				
Gleicheniaceae	Họ Guột					
<i>Dicranopteris linearis</i> (Burm.) Underw.	Guột	Cr				
Hymenophyllaceae	Họ Lá màng					
<i>Crepidomanes radicans</i> (Sw.) Copel.	Quyết	Cr				
<i>Trichomanes sp.*</i>	Quyết lông	Ep				
Lomariopsidaceae	Họ Ráng sưu xỉ					
<i>Bolbitis heteroclita</i> (Presl) Ching ex C.Chr.	Ráng bích xỉ	Hm				
<i>Piperopteris sp.</i>	Quyết nhung	Ch				
Marattiaceae	Họ Quyết toà sen					
<i>Angiopteris confertinervia</i> Ching	Toà sen	Na				NSBE
<i>Angiopteris evecta</i> (G.Forst.) Hoffm.	Quyết toà sen	Na				
Marsileaceae	Họ Rau bọ					

SCIENTIFIC NAME	COMMON NAME	LF	RDB	RD-IUCN	RD BE	NOTE
<i>Marsilea quadrifolia</i> L.	Rau bợ	Th				
Polypodiaceae		Họ Dương xỉ				
<i>Drynaria bonii</i> H. Christ	Cốt toái bở	Ep	V			DD
<i>Drynaria fortunei</i> (Kuntze ex Mett.) J. Sm.	Cốt toái bở	Ep	EN			R NSBE
<i>Drynaria lanceolata</i> (L.) Farw.	Cốt toái bở lưỡi mác	Ep				
<i>Lemmaphyllum microphyllum</i> C. Presl*	Quyết lá nhỏ	Ep				
<i>Microsorium superficiale</i> (Bedd.) Ching	Ráng	Ep				
<i>Pyrrosia lanceolata</i> (L.) Farw.	Thạch vĩ lưỡi mác	Ep				
<i>Pyrrosia lingua</i> (Thunb.) Farw.	Ráng	Ep				
Pteridaceae		Họ Chân xỉ				
<i>Pteris ensiformis</i> Burm. f.	Seo gà	Ep				
<i>Pteris finotii</i> C. Chr.*	Ráng chân xỉ	Ch				
<i>Pteris grevilleana</i> Wall.	Quyết đuôi gà	Hm				
<i>Pteris longipes</i> D. Don*	Seo gà dài	Cr				
<i>Pteris multifida</i> Poir.	Seo gà xẻ nhiều	Ch				
<i>Pteris sp.*</i>	Chân xỉ	Hm				
<i>Pteris vittata</i> L.	Chân xỉ sọc	Hm				
Schizaeaceae		Họ Bông bong				
<i>Lygodium conforme</i> C. Chr.*	Bông bong lá to	Lp				
<i>Lygodium digitatum</i> C. Presl*	Bông bong	Lp				
<i>Lygodium flexuosum</i> (L.) Sw.	Bông bong	Lp				
<i>Lygodium scandens</i> (L.) Sw.	Bông bong lá nhỏ	Lp				
<i>Lygodium sp.*</i>	Bông bong	Lp				
Thelypteridaceae		Họ Ráng thu dực				
<i>Abacopteris rubra</i> (Ching) Ching	Ráng	Hm				
<i>Christella acuminata</i> (Hout.) Holttum	Quyết lông	Hm				
<i>Christella balansae</i> (Ching) Holttum*	Ráng lông	Hm				
<i>Macrothelypteris torresiana</i> (Gaud.) Ching	Ráng	Cr				

SCIENTIFIC NAME	COMMON NAME	LF	RDB	RD-IUCN	RD	BE	NOTE
<i>Pneumatopteris truncatus</i> (Poir.) Holttum	Quyết khí	Ch					
<i>Pronephrium</i> sp.	Ráng	Cr					
Vittariaceae	Họ Ráng lưỡi beo						
<i>Antrophyum annamensis</i> C. Chr. & Tardieu	Lưỡi beo	Ep					
Woodsiaceae	Ráng gỗ nhỏ						NFBE
<i>Callipteris esculenta</i> J. Sm.*	Rau dớn	Lp					NGBE
<i>Diplazium esculentum</i> (Retz.) Sw.	Rau rón	Lp					NGBE
Pinophyta	Ngành thông						
Cycadaceae	Họ Tuế						
<i>Cycas chevalieri</i> Leandri	Nghèn	Na	LR				R
<i>Cycas immersa</i> Craib	Tuế chim	Na					R
<i>Cycas pectinata</i> Buch.-Ham.	Tuế lược	Na	V				R NSBE
<i>Cycas revoluta</i> Thunb.	Vạn tuế	Na					R
Gnetaceae	Họ Gắm						
<i>Gnetum gnemon</i> L.	Gắm	Lp					NSBE
<i>Gnetum latifolium</i> Blume	Gắm lá rộng	Lp					NSBE
<i>Gnetum montanum</i> Markgr.	Gắm núi	Lp					
Pinaceae	Họ Thông						
<i>Pinus massoniana</i> D. Don	Thông đuôi ngựa	MM					
<i>Pinus merkusii</i> Jungh. & de Vriese	Thông nhựa	MM					
Podocarpaceae	Họ Kim giao						
<i>Nageia fleuryi</i> (Hickel) de Laub.	Kim giao	MM					T
Magnoliophyta	Ngành Mộc lan						
Magnoliopsida	Lớp 2 lá mâm						
Acanthaceae	Họ Ô rô						
<i>Acanthus leucostachyus</i> Wall.*	Ô rô núi	MM					
<i>Acanthus ilicifolius</i> L.*	Ô rô lá bé	MM					
<i>Baphicacanthus cusia</i> (Nees) Bremek.*	Chàm lá lớn	Na					NGBE
<i>Clinacanthus</i> sp.*	Chàm	Na					
<i>Justicia poilanei</i> Benn.	Thanh táo	Na					NGBE

SCIENTIFIC NAME	COMMON NAME	LF	RDB	RD-IUCN	RD BE	NOTE
<i>Strobilanthes cystolithiger</i> Lind.*	Chùy hoa	Na				
<i>Strobilanthes multangulus</i> Benoist	Chàm rừng	Na				
<i>Rhinacanthus nasutus</i> (L.) Kurz*	Bạch hạc	Na				NSBE
<i>Thunbergia fragrans</i> Roxb.	Cát đăng	Lp				
<i>Thunbergia sp.*</i>	Bông xanh	Lp				
Aceraceae	Họ Thích					
<i>Acer decandrum</i> Merr.*	Thích lá nguyên	MM				
<i>Acer laevigatum</i> Wall.*	Thích	MM				NSBE
Alangiaceae	Họ Thôi ba					
<i>Alangium barbatum</i> (R. Br.) Baill.*	Thôi ba	MM				
<i>Alangium chinense</i> (Lour.) Rehd.*	Thôi ba	MM				
<i>Alangium kurzii</i> Craib*	Thôi ba lông	MM				
Amaranthaceae	Họ Rau dền					
<i>Achyranthes aspera</i> L.*	Cỏ xước	Ch				
<i>Achyranthes bidentata</i> Blume	Cỏ xước	Ch				
<i>Alternanthera sessilis</i> (L.) A.DC.	Rau diếp dại	Ch				
<i>Amaranthus spinosus</i> L.	Dền cơm	Th				
<i>Amaranthus tricolor</i> L.	Dền tía	Hm				
<i>Amaranthus viridis</i> L.	Đơn đỏ	Hm				
<i>Celosia argentea</i> L.	Mào gà	Ch				
<i>Cyathula prostrata</i> (L.) Blume	Đơn đỏ	Hm				NGBE
<i>Deeringia polysperma</i> (Roxb.) Miq.	Cúc bách nhật	Ch				NGBE
Anacardiaceae	Họ Xoài					
<i>Buchanania arborescens</i> Blume	Chay lớn	MM				
<i>Buchanania lucida</i> Blume	Chay	MM				
<i>Dracontomelon dao</i> (Blanco) Merr. & Rolfe*	Sầu	MM				
<i>Mangifera indica</i> L.	Xoài	MM				
<i>Mangifera minutiflora</i> Evrard	Xoài rừng	MM			V	
<i>Mangifera reba</i> Pierre	Quéo	MM				
<i>Rhus chinensis</i> Muell.	Muối	MM				
<i>Rhus rhesoides</i> Craib*	Sơn rừng	MM				
<i>Rhus succedanea</i> L.*	Sơn ta	MM				
<i>Spondias axillaris</i> Roxb.	Xoan nhừ	MM				
<i>Spondias lakoensis</i> Pierre*	Đâu da xoan	MM				

SCIENTIFIC NAME	COMMON NAME	LF	RDB	RD-IUCN	RDBE	NOTE
Annonaceae	Họ Na					
<i>Alphonsea hainanensis</i> Merr. & Chun*	Thau linh hải nam	MM				
<i>Alphonsea monogyna</i> Merr. & Chun*	Thau linh	MM				NSBE
<i>Alphonsea squamosa</i> Finet & Gagnep.*	Thau linh tron	MM				NSBE
<i>Alphonsea tonkinensis</i> A. DC.*	Thau linh bắc bộ	MM				NSBE
<i>Annona muricata</i> L.	Mãng cầu xiêm	MM				
<i>Annona squamosa</i> L.	Na	MM				
<i>Artabotrys hexapetalus</i> (L.f.) Bhandari*	Dây công chúa	Lp				
<i>Artabotrys intermedius</i> Hassk.*	Móng rồng nhỏ	Lp				
<i>Dasymaschalon macrocalyx</i> Finet & Gagnep.	Dắt mèo	Na				NGBE
<i>Desmos chinensis</i> Lour.	Dây công chúa	Lp				
<i>Desmos cochinchinensis</i> Lour.*	Hoa giẻ	Lp				
<i>Desmos pedunculatus</i> (A.DC.) Ban	Hoa giẻ	Lp				
<i>Fissistigma latifolium</i> (Dun.) Merr.*	Cách thư lông	Lp				NSBE
<i>Fissistigma petelotii</i> Merr.	Cách thư	Lp				
<i>Fissistigma villosum</i> (Ast) Merr.	Cách hoa có lông	Lp				NSBE
<i>Friesodielsia fornicata</i> (Roxb.) D. Das	Cờm chà	Lp				NGBE
<i>Goniothalamus amuyon</i> Merr.*	Giác đé	MM				
<i>Goniothalamus macrocalyx</i> Ban*	Giác đé lá lớn	MM	V	V		DD
<i>Milium balansae</i> Finet & Gagnep.*	Màu cau	MM				
<i>Milium horsfieldii</i> (Benn.) Pierre*	Màu cau	MM				NSBE
<i>Milium sp.</i> *	Màu cau	MM				
<i>Milium velutina</i> Hook.f. & Thomson*	Màu cau lông	MM				NSBE
<i>Polyalthia cerasoides</i> (Roxb.) Benth.*	Nhọc lá bé	MM				
<i>Polyalthia jucunda</i> Finet & Gagnep.*	Nhọc lá dài	MM				
<i>Polyalthia laui</i> Merr.*	Nhọc lá to	MM				
<i>Polyalthia nemoralis</i> DC.	Nhọc đen	MM				
<i>Uvaria boniana</i> Finet & Gagnep.	Dây dút	Lp				

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<i>Uvaria macrophylla</i> Roxb.	Dây dút nhung	Lp				
<i>Uvaria micrantha</i> Hook.f. & Thomson	Dây dút na	Lp				
<i>Uvaria tonkinensis</i> Finet & Gagnep.	Dây hoa dẻ	Lp				
<i>Xylopia pierreii</i> Hance	Dền trắng	MM	V	V	R	NSBE
<i>Xylopia poilanei</i> Ast*	Dền trắng	MM				NSBE
<i>Xylopia vielana</i> Pierre*	Dền	MM				
Apiaceae	Họ Hoa tán					
<i>Anethum graveolens</i> L.	Thì là	Th				
<i>Centella asiatica</i> (L.) Urb.	Rau má	Ch				
<i>Coriandrum sativum</i> L.	Rau mùi	Th				
<i>Eryngium foetidum</i> L.	Mùi tàu	Ch				
<i>Hydrocotyle sibthorpioides</i> Lamk.	Rau má to	Ch				
Apocynaceae	Họ Trúc đào					
<i>Alstonia scholaris</i> (L.) R. Br.	Sữa	MM		LR		
<i>Alyxia balansae</i> Pit.	Dây ngôn	Lp				
<i>Beaumontia grandifolia</i> Wall.	Dây cao su	Lp				
<i>Catharanthus roseus</i> L.	Dừa cạn	Na			T	NGBE
<i>Holarrhena antidesenterica</i> (L.) Wall.	Mộc	Na				
<i>Holarrhena pubescens</i> Wall.	Mộc hoa trắng	Na				NSBE
<i>Kibatalia anceps</i> (Dunn & R. Williams) Woodson	Dùi đôi	Lp				
<i>Kibatalia laurifolia</i> (Ridl.) Woodson	Thần linh	Na				
<i>Kibatalia macrophylla</i> (Pierre) Woodson*	Ớt sừng lá lớn	Na				NSBE
<i>Kitabalia microphylla</i> (Pit.) Woodson*	Ớt sừng	Na				
<i>Melodinus brachyphyllus</i> Merr.	Dây cao su	Lp				
<i>Paravallaris macrophylla</i> Pierre ex Hua*	Mức trâu	MM				NGBE
<i>Plumeria rubra</i> L.	Đại	MM				
<i>Pottsia laxiflora</i> Kuntze	Bột hoa thưa	Lp				
<i>Rauvolfia serpentina</i> Baill.*	Ba gạc đỏ	Na	CR		R	NSBE
<i>Rauvolfia verticillata</i> Baill.*	Ba gạc	Na	V		T	NSBE
<i>Strophanthus caudatus</i> (Burm. f.) Kurz*	Sừng trâu	Na				NSBE
<i>Strophanthus divaricatus</i> Hook. & Arn.	Sừng dê	Na				
<i>Tabernaemontana bovina</i> Lour.	Lài trâu	Na				

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<i>Tabernaemontana pallida</i> Pierre ex Pit.	Ớt rừng lá nhỏ	Na				
<i>Tabernaemontana sp.</i>	Ớt rừng	Na				
<i>Trachelospermum axillare</i> Hook. f.	Lạc thạch	Lp				NGBE
<i>Wrightia annamensis</i> Eberh. & Dub.*	Lông mức trung bộ	MM				
<i>Wrightia laevis</i> Hook. f.*	Thùng mức tron	MM		LR		
<i>Wrightia tomentosa</i> Roem. & Schult.*	Mức lông	MM				
Aquifoliaceae		Họ Bùì				
<i>Ilex cymosa</i> Champ.*	Vỏ rụt	MM				
<i>Ilex macrocarpa</i> Oliv.	Bùì quả to	MM				NSBE
<i>Ilex rotunda</i> Thunb.*	Nhựa ruồi	MM				
Araliaceae		Họ Nhân sâm				
<i>Acanthopanax aculeatum</i> Seem.	Ngũ ra bì	Na				
<i>Aralia armata</i> Seem.	Đon châu châu	Na				
<i>Aralia toranensis</i> Ha*	Cuồng	Na				
<i>Polyscias fruticosa</i> Harms	Đinh lăng	Na				
<i>Schefflera alpina</i> Grushv. & Skvortsova	Chân chim	MM				
<i>Schefflera octophylla</i> Harms*	Chân chim 8 lá	MM				
<i>Schefflera pauciflora</i> R. Vig.*	Chân chim	MM				
<i>Schefflera tonkinensis</i> Hook.*	Chân chim	MM				
<i>Trevesia burkii</i> Boerl.	Đu đủ rừng	Na				
<i>Trevesia sp.</i>	Đu đủ rừng	Na				
Asclepiadaceae		Họ Thiên lý				
<i>Cryptolepis buchananii</i> Roem. & Schott.	Dây càng cua	Lp				
<i>Dischidia acuminata</i> Costantin	Dây hạt bí	Lp				
<i>Dischidia balansae</i> Costantin	Song ly	Lp				
<i>Dischidia sp.</i>	Tai chuột	Ep				
<i>Gymnema tingens</i> Spreng.	Rau mơ	Lp				NGBE
<i>Hoya villosa</i> Costantin	Hoa sao	Ep				
<i>Streptocaulon griffithii</i> Hook.f.	Hà thú ô trắng	Ch				

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<i>Telosma cordata</i> Merr.	Hoa thiên lý	Lp				
Asteraceae	Họ Cúc					
<i>Ageratum conyzoides</i> L.	Cứt lợn	Hm				
<i>Artemisia annua</i> L.	Thanh cao hoa vàng	Hm				
<i>Artemisia japonica</i> Thunb.	Ngải cứu rừng	Hm				NSBE
<i>Artemisia vulgaris</i> L.	Ngải cứu	Hm				
<i>Bidens bipinnata</i> L.	Đơn buốt	Hm				
<i>Bidens pilosa</i> L.	Đơn buốt	Hm				
<i>Blumea aromatica</i> DC.	Đại bi xanh	Ch				NSBE
<i>Blumea balsamifera</i> DC.	Đại bi	Ch				
<i>Blumea lacera</i> (Roxb.) DC.	Cúc trời	Hm				
<i>Blumea lanceolaria</i> Druce	Xương sông	Ch				
<i>Blumea megacephala</i> C.T. Chang & C.H.Yu.	Đại bi	Na				NSBE
<i>Conyza canadensis</i> (L.) Cronquist	Cúc dại	Hm				
<i>Crossostephium chinense</i> Makino	Nguyệt bạch	Ch				
<i>Dichrocephala integrifolia</i> Kuntze	Cúc mắt cá	Hm				NGBE
<i>Eclipta prostrata</i> L.	Nhọ nôi	Hm				
<i>Elephantopus mollis</i> Kunth	Chân voi mềm	Ch				
<i>Elephantopus scaber</i> L.*	Cúc chi thiên	Hm				
<i>Elephantopus spicatus</i> Aubl.*	Cúc chi thiên lông	Hm				
<i>Emilia sonchifolia</i> (L.) DC.	Rau má lá rau muống	Hm				
<i>Erechtites hieraciifolia</i> (L.) Raf. & DC.	Rau tàu bay rừng	Hm				
<i>Erigeron crispus</i> Pourr.*	Cúc hôi	Ch				
<i>Eupatorium odoratum</i> L.*	Cỏ lào	Ch				
<i>Gnaphalium polycaulon</i> Pers.	Rau khúc	Th				NGBE
<i>Grangea</i> sp.	Rau dại	Th				
<i>Gynura barbaraefolia</i> Gagnep.	Kim thất cái	Hm				
<i>Gynura crepidioides</i> Benth.	Rau tàu bay	Ch				
<i>Gynura japonica</i> (Thunb.) Juel.	Cúc tam thất	Hm				

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<i>Gynura procumbens</i> (Lour.) Merr.	Kim thất	Lp				
<i>Gynura pseudochina</i> (L.) DC.	Bầu đất	Ch				
<i>Gynura sp.</i>	Kim thất	Hm				
<i>Gynura sp.1</i>	Bầu đất	Hm				
<i>Lactuca indica</i> L.	Bồ công anh	Hm				
<i>Lactuca roborowskii</i> Maxim.	Diếp dại	Th				
<i>Mikania cordata</i> (Burm.f.) B.L.Rob.	Cúc leo	Lp				
<i>Pluchea indica</i> Less.	Cúc tần	Hm				
<i>Sigesbeckia orientalis</i> L.	Cỏ dĩ	Hm				
<i>Spilanthes paniculata</i> Wall.	Cúc nút áo	Hm				NGBE
<i>Synedrella nodiflora</i> Gaertn.	Cúc bọ xít	Hm				
<i>Tagetes erecta</i> L.	Vạn thọ	Ch				
<i>Vernonia andersonii</i> C.B.Clarke	Rau ráu	Lp				
<i>Vernonia arborea</i> Buch-Ham.	Bông bạc	MM				
<i>Vernonia cinerea</i> (L.) Less.	Cúc tím	Hm				
<i>Vernonia cumingiana</i> Benth.	Bông bạc	MM				
<i>Vernonia sp.</i>	Bạch đầu	Na				
<i>Xanthium strumarium</i> L.	Ké đầu ngựa	Ch				
Balsaminaceae	Họ Bóng nước					
<i>Impatiens pygmaea</i> Hook. f.	Bóng nước	Ch				
<i>Impatiens verrucifer</i> Hook.f.	Phượng tiên	Ch				
<i>Impatiens sp.</i>	Phượng tiên	Ch				
Basellaceae	Họ Mồng tơi					
<i>Basella rubra</i> L.	Mồng tơi	Th				
Begoniaceae	Họ Thu hải đường					
<i>Begonia aptera</i> Blume	Thu hải đường	Ch				
<i>Begonia balansae</i> Gagnep.	Thu hải đường	Ch				
<i>Begonia lecomtei</i> Gagnep.	Thu hải đường	Ch				
<i>Begonia pierrei</i> Gagnep.	Thu hải đường	Ch				
<i>Begonia tonkinensis</i> Gagnep.	Thu hải đường bắc bộ	Ch				NSBE

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<i>Begonia sp.</i>	Hải đường	Ch				
Betulaceae	Họ Cánh lò					NFBE
<i>Betula alnoides</i> Buch.-Ham.	Cánh lò	MM				NGBE
Bignoniaceae	Họ Núc nác					
<i>Dolichandrone serrulata</i> Seem.	Quao	MM		LR		R
<i>Fernandoa brilletii</i> (P.Dop) Steenis*	Đỉnh thối	MM				
<i>Markhamia stipulata</i> Seem. ex Schum.*	Đỉnh	MM	V			E
<i>Markhamia cauda-felina</i> (Hance) Craib*	Kè đuôi dông	MM				
<i>Oroxylum indicum</i> (L.) Benth. ex Kurz*	Núc nác	MM				
<i>Stereospermum colais</i> (Buch.-Ham. ex Dillwyn) Mabb.	Quao núi	MM				NGBE
Bombacaceae	Họ Gạo					
<i>Bombax ceiba</i> L.	Bông gạo	MM				
<i>Gossampinus malabarica</i> Merr.	Gạo	MM				
Boraginaceae	Họ Vòi voi					
<i>Heliotropium indicum</i> L.	Vòi voi	Hm				
Brassicaceae	Họ Cải					
<i>Brassica chinensis</i> L.	Cải bẹ trắng	Th				
<i>Brassica integrifolia</i> West.	Cải ngọt	Th				
<i>Brassica juncea</i> (L.) Czern.	Cải canh	Th				
<i>Raphanus sativus</i> L.	Cải củ	Th				
<i>Rorippa dubia</i> Pers.	Cải dại	Th				
Buddlejaceae	Họ Bọ chó					
<i>Buddleja asiatica</i> Lour.	Bọ chó	Na				
Burseraceae	Họ Trám					
<i>Canarium album</i> Rausch.*	Trám trắng	MM				
<i>Canarium bengalense</i> Roxb.*	Trám 3 cạnh	MM				
<i>Canarium littorale</i> Blume*	Trám hồng	MM		LR		NSBE
<i>Canarium tonkinensis</i> L.*	Trám chim	MM				
<i>Canarium tramdenum</i> Chan Din Dai & Yakovlev*	Trám đen	MM	V			R
<i>Garuga pinnata</i> Roxb.*	Trám mao	MM				
Cactaceae	Họ Long cốt					
<i>Epiphyllum oxypetalum</i> Haw.	Quỳnh	Ch				
Caesalpiniaceae	Họ Vang					

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<i>Bauhinia championii</i> Benth.	Móng bò	Lp				
<i>Bauhinia coccinea</i> DC.*	Quạch	Lp				NSBE
<i>Bauhinia mastipoda</i> Pierre ex Gagnep.	Móng bò hoa đỏ	Lp				NSBE
<i>Bauhinia ornata</i> Kurz	Móng bò leo	Lp				
<i>Bauhinia sp.*</i>	Móng bò	Lp				
<i>Bauhinia sp.1*</i>	Dây máu	Lp				
<i>Bauhinia sp.2*</i>	Móng bò	Lp				
<i>Bauhinia variegata</i> L.	Ban	MM				NSBE
<i>Caesalpinia bonduc</i> (L.) Roxb.	Móc mèò núi	Lp				
<i>Caesalpinia mimosoides</i> Lam.	Muồng trinh nữ	Lp				
<i>Caesalpinia minax</i> Hance	Vuốt hùm	Lp				
<i>Caesalpinia pubescens</i> (Desf.) Hatt.	Muồng dây	Lp				NSBE
<i>Caesalpinia sappan</i> L.	Vàng	MM				R
<i>Cassia hirsuta</i> (L.) Irwin & Barneby	Muồng hôi	MM				
<i>Cassia mimosoides</i> L.	Muồng trinh nữ	Na				
<i>Cassia sp.</i>	Muồng	Na				
<i>Cassia sp.1*</i>	Muồng	MM				
<i>Delonix regia</i> (Bojer) Rafin.	Phượng	MM				
<i>Gleditsia australis</i> Hemsl.*	Bò kết	MM				
<i>Erythrophleum fordii</i> Oliv.*	Lim xanh	MM				T
<i>Peltophorum dasyrrachis</i> (Miq.) Kurz*	Lim vàng	MM				
<i>Peltophorum tonkinensis</i> Pierre*	Lim xẹt	MM				V
<i>Sacara dives</i> Pierre*	Vàng anh	MM				
<i>Senna occidentalis</i> (L.) Link	Cốt khí	Na				
<i>Senna siamea</i> Lam.*	Muồng đen	MM				R
<i>Senna tora</i> (L.) Roxb.*	Thảo quyết minh	Ch				
<i>Sindora tonkinensis</i> A. Chev.	Gụ lau	MM EN				E
<i>Tamarindus indica</i> L.	Me	MM				NGBE
Capparaceae	Họ Mần màn					
<i>Capparis tonkinensis</i> Gagnep.	Cáp	Lp				NSBE
<i>Cleome gynandra</i> L.	Màn màn	Ch				

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<i>Crateva magna</i> (Lour.) DC.*	Cây bún	MM				
<i>Crateva religiosa</i> Forst. f.	Bún	MM				
<i>Stixis scandens</i> Lour.	Trứng cuốc	Lp				
<i>Stixis sp.</i>	Trứng cuốc	Lp				
Caprifoliaceae	Họ Kim ngân					
<i>Lonicera japonica</i> Thunb.	Kim ngân	Ch				
<i>Lonicera macrantha</i> (D. Don) Spreng.	Kim ngân hoa to	Ch				
<i>Sambucus javanica</i> Reinw. ex Blume*	Cơm cháy	MM				
<i>Viburnum lutescens</i> Blume	Vót vàng	Na				NSBE
<i>Viburnum sambucinum</i> Reinw.*	Vót cơm cháy	Na				
Caricaceae	Họ Đu đủ					
<i>Carica papaya</i> L.	Đu đủ	Na				
Celastraceae	Họ Chân danh					
<i>Celastrus annamensis</i> Tardieu*	Gối Trung bộ	Lp				NGBE
<i>Celastrus paniculatus</i> Willd.*	Dây sang máu	Lp				NGBE
<i>Euonymus laxiflorus</i> Champ.	Chân danh	Na				
<i>Glyptopetalum sclerocarpum</i> (Kurz) M.A. Lawson*	Xâm cánh Bền En	MM				R NSVN
<i>Salacia verrucosa</i> Wight*	Cộc màu	Na				
Chenopodiaceae	Họ Rau muối					
<i>Chenopodium ficifolium</i> Smith	Rau muối	Th				
Chloranthaceae	Họ Hoa sói					
<i>Chloranthus erectus</i> (Benth. & Hook.f.) Verdc.	Sói rừng	Na				
Clusiaceae	Họ Bứa					
<i>Calophyllum calaba</i> L.	Cồng tía	MM				
<i>Calophyllum inophyllum</i> L.*	Mù u	MM	LR		R	NSBE
<i>Calophyllum membranaceum</i> Gardn. & Champ.	Cồng	MM				
<i>Cratoxylum polyanthum</i> Korth.*	Thành ngành	MM				
<i>Cratoxylum prunifolium</i> Kurz*	Đỏ ngọn	Na				
<i>Cratoxylum sp.</i>	Lành ngành	Na				
<i>Garcinia cochinchinensis</i> (Lour.) Choisy*	Bứa nam bộ	MM				

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<i>Garcinia cowa</i> Roxb.	Tai chua	MM				
<i>Garcinia multiflora</i> Champ. ex Benth.	Đọc	MM				
<i>Garcinia fagraeoides</i> A. Chev.*	Trai lý	MM				E
<i>Garcinia oblongifolia</i> Champ. ex Benth.*	Bứa	MM				NSBE
<i>Garcinia sp.</i>	Bứa	MM				
Combretaceae	Họ Bàng					
<i>Combretum catappa</i> L.	Bàng	MM				
<i>Quisqualis indica</i> L.	Đây giun	Lp				
<i>Terminalia alata</i> Roxb.*	Chiêu liêu	MM				
<i>Terminalia bellirica</i> (Gaertn.) Roxb.	Choại	MM				
<i>Terminalia myriocarpa</i> Van Heurck & Müll.Arg.*	Chò xanh	MM				
Connaraceae	Họ Dây khế					
<i>Cnestis palala</i> Merr.	Dây khế	Lp				
<i>Rourea minor</i> Leenh.	Khế rừng	Lp				
Convolvulaceae	Họ Bìm bìm					
<i>Argyreia acuta</i> Lour.	Bạc thau	Ch				
<i>Ipomoea aquatica</i> Forssk.	Rau muống	Lp				
<i>Ipomoea batatas</i> (L.) Lam.	Khoai lang	Lp				
<i>Ipomoea cymosa</i> (Desr.) Roem. & Schult.	Dây lang rừng	Lp				
<i>Ipomoea quamoclit</i> L.	Tóc tiên	Th				
<i>Merremia boissiana</i> (Gagnep.) Ooststr.	Bìm bìm	Lp				NSBE
<i>Merremia sp.</i>	Bìm bìm	Lp				
Crassulaceae	Họ Thuốc bỏng					
<i>Kalanchoe integra</i> Kuntze	Thuốc bỏng	Sp				
<i>Kalanchoe pinnata</i> (Lam.) Pers.	Thuốc bỏng	Sp				
Cucurbitaceae	Họ Bầu bí					
<i>Benincasa hispida</i> (Thunb.) Cogn.	Bí xanh	Th				
<i>Coccinia grandis</i> (L.) Voigt	Mảnh bát	Lp				
<i>Cucumis sativus</i> L.	Dưa chuột	Lp				
<i>Cucurbita maxima</i> Lam.	Bí đỏ	Lp				
<i>Gymnopetalum sp.</i>	Dây loa	Lp				
<i>Gymnopetalum sp.1</i>	Dây loa	Lp				
<i>Hodgsonia macrocarpa</i> Cogn.	Đại hái	Lp				

SCIENTIFIC NAME	COMMON NAME	LF	RDB	RD-IUCN	RD BE	NOTE
<i>Lagenaria siceraria</i> (Molina) Standl.	Bầu		Th			
<i>Luffa cylindrica</i> M. Roem.	Mướp		Th			
<i>Momordica charantia</i> L.	Mướp đắng		Th			
<i>Momordica cochinchinensis</i> (Lour.) Spreng.	Gấc		Th			
<i>Solena heterophylla</i> Lour.	Dây mảnh bát		Th			
<i>Trichosanthes cucumeroides</i> Maxim.*	Dưa núi		Lp			
<i>Zehneria indica</i> (Lour.) M. Keraudren- Aymonin*	Dưa chuột dại		Lp			
Cuscutaceae	Họ Tơ hồng					
<i>Cuscuta chinensis</i> Lam.	Tơ hồng		Pp			
Daphniphyllaceae	Họ Giao phương					NFBE
<i>Daphniphyllum calycinum</i> Benth.*	Giao phương	MM				NGBE
Datiscaceae	Họ Đấng					
<i>Tetrameles nudiflora</i> R.Br.	Đấng	MM				
Dilleniaceae	Họ Sỏ					
<i>Actinidia latifolia</i> Merr.	Đào khi	MM				
<i>Dillenia heterosepala</i> Finet & Gagnep.*	Lọng bàng	MM				
<i>Dillenia indica</i> L.*	Sỏ	MM				
<i>Dillenia pentagyna</i> Roxb.*	Sỏ 5 nhụy	MM				
<i>Saurauia dillenioides</i> Gagnep.*	Nóng sỏ	MM				
<i>Saurauia roxburghii</i> Wall.*	Nóng	MM				NSBE
<i>Saurauia tristyla</i> DC.*	Nóng	MM				
<i>Tetracera indica</i> Merr.*	Chạc chiu	Lp				NSBE
<i>Tetracera scandens</i> Merr.	Chạc chiu	Lp				
Dipterocarpaceae	Họ Dầu					
<i>Dipterocarpus retusus</i> Blume	Chò nâu	MM	V			R
<i>Hopea chinensis</i> (Merr.) Hand.-Mazz.*	Sao hòn gai	MM		CR		
<i>Hopea hainanensis</i> Merr. & Chun*	Sao hải nam	MM	EN			R
<i>Hopea mollissima</i> C.Y. Wu*	Tầu mặt quý	MM	V	CR		T
<i>Hopea odorata</i> Roxb.	Sao đen	MM				R
<i>Parashorea chinensis</i> Wang Hsie*	Chò chi	MM		EN		T
<i>Vatica harmandiana</i> Pierre*	Tầu xanh	MM		EN		R
<i>Vatica odorata</i> (Griff.) Symington*	Tầu lá nhỏ	MM				R
<i>Vatica subglabra</i> Merr.	Tầu nước	MM	EN			E

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Ebenaceae	Họ Thị					
<i>Diospyros apiculata</i> Hiern*	Nhọ nôi	MM				
<i>Diospyros crumenata</i> Thwaites*	Thị đá	MM				NSBE
<i>Diospyros decandra</i> Lour.	Thị	MM				
<i>Diospyros eriantha</i> Champ. ex Benth.*	Thị lông đỏ	MM				NSBE
<i>Diospyros hirsuta</i> L.f.*	Thị rừng lông	MM				
<i>Diospyros kaki</i> L.f.	Hồng	MM				NSBE
<i>Diospyros montana</i> Roxb.*	Thị rừng	MM				
<i>Diospyros morrisiana</i> Hance	Hồng rừng	MM				
<i>Diospyros pilosula</i> (A.DC.) Walld. ex Hiern	Thị lông vàng	MM				
<i>Diospyros rubra</i> C.F.Gaertn.*	Thị rừng	MM				NSBE
<i>Diospyros sp.*</i>	Thị rừng	MM				
<i>Diospyros sp.1*</i>	Thị rừng	MM				
<i>Diospyros sylvatica</i> Roxb.*	Thị rừng	MM				NSBE
Elaeagnaceae	Họ Nhót					
<i>Elaeagnus bonii</i> Lecomte	Nhót	Lp				
<i>Elaeagnus tonkinensis</i> Serv.	Nhót nhà	Lp				
Elaeocarpaceae	Họ Côm					
<i>Elaeocarpus apiculatus</i> Mast.	Côm vòng	MM	CR	DD		NSBE
<i>Elaeocarpus dubius</i> Aug. DC.*	Côm tầng	MM				
<i>Elaeocarpus hainanensis</i> Oliver*	Côm hải nam	MM				NSBE
<i>Elaeocarpus petiolatus</i> (Jack) Wall.*	Côm cuống dài	MM				
<i>Elaeocarpus sylvestris</i> Poir.*	Côm trâu	MM				
<i>Elaeocarpus varunua</i> Buch.-Ham.*	Côm xanh	MM				NSBE
Ericaceae	Họ Đỗ quỳn					NFBE
<i>Craibiodendron henryi</i> W.W. Sm*	Hoa bột	MM				NGBE
<i>Craibiodendron stellatum</i> W.W. Sm.*	Hoa bột	MM				NGBE
<i>Rhododendron microphyton</i> Franch.	Đỗ quỳn	Na				NGBE
Euphorbiaceae	Họ Thào dầu					
<i>Acalypha hispida</i> Burm.f.	Tai tượng đỏ	Na				
<i>Actephila excelsa</i> (Dalzell) Müll.Arg.	Da gà	Na				

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<i>Alchornea annamica</i> Gagnep.	Đom đóm trung bộ	Na				
<i>Alchornea rugosa</i> (Lour.) Müll.Arg.*	Sói dai	Na				
<i>Alchornea tiliifolia</i> Müll.Arg.*	Đom đóm	Na				NSBE
<i>Alchornea trewioides</i> Müll.Arg.	Đom đóm	Na				
<i>Aleurites moluccana</i> (L.) Willd.	Lai	MM				
<i>Antidesma acidum</i> Retz.*	Chòi mòì	MM				
<i>Antidesma ambiguum</i> Pax & K. Hoffm.	Chòi mòì	Na				NSBE
<i>Antidesma bunius</i> (L.) Spreng.*	Chòi mòì bun	MM				
<i>Antidesma cochinchinense</i> Gagnep.*	Chòi mòì	MM				NSBE
<i>Antidesma fruticosum</i> Müll.Arg.	Chòi mòì bụi	Na				NSBE
<i>Antidesma fleuryi</i> Gagnep.*	Chòi mòì	MM				NSBE
<i>Antidesma hainanensis</i> Merr.*	Chòi mòì hải nam	MM				NSBE
<i>Antidesma microphyllum</i> Hemsl.	Chòi mòì	Na				NSBE
<i>Antidesma montanum</i> Blume*	Chòi mòì núi	MM				NSBE
<i>Antidesma scandens</i> Lour.*	Chòi mòì đất	MM				NSBE
<i>Antidesma sp.*</i>	Chòi mòì	MM				
<i>Antidesma sp.1*</i>	Chòi mòì	Na				
<i>Antidesma sp.2*</i>	Chòi mòì	MM				
<i>Antidesma tonkinensis</i> Gagnep.	Chòi mòì bắc bộ	MM				NSBE
<i>Antidesma velutinum</i> Tul.*	Chòi mòì lông	MM				NSBE
<i>Antidesma yunnanense</i> Pax & K. Hoffm.	Chòi mòì vân nam	MM				NSBE
<i>Aporosa dioica</i> Müll.Arg.	Thầu tầu	MM				
<i>Aporosa macrophylla</i> Müll.Arg.	Thầu tầu	MM				NSBE
<i>Aporosa microcalyx</i> Hassk.*	Thầu tầu	MM				NSBE
<i>Aporosa sp.</i>	Thầu tầu	Na				
<i>Aporosa yunnanensis</i> (Pax & K. Hoffm.) F.P. Metcalf*	Thầu tầu vân nam	MM				NSBE
<i>Baccaurea ramiflora</i> Lour.*	Đâu đất	MM				
<i>Balakata baccata</i> (Roxb.) Esser	Sòi núi	MM				
<i>Bischofia javanica</i> Blume*	Nhội	MM				

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<i>Breynia angustifolia</i> Hook.f.	Bò cu vễ lá hẹp	Na				NSBE
<i>Breynia fleuryi</i> Beille	Bò cu vễ	Na				
<i>Breynia fruticosa</i> Hook.f.	Bò cu vễ	Na				
<i>Breynia rostrata</i> Merr.	Bò cu vễ	Na				NSBE
<i>Bridelia balansae</i> Tutcher*	Đóm gai	MM				
<i>Bridelia minutiflora</i> Hook.f.	Đóm lông	MM				
<i>Bridelia ovata</i> Decne.	Đóm	MM				
<i>Bridelia tomentosa</i> Blume	Đóm	MM				NSBE
<i>Chaetocarpus castanocarpus</i> Thwaites*	Dạ nâu	MM				
<i>Claoxylon indicum</i> Hassk.*	Lộc mại	MM				
<i>Claoxylon longifolium</i> Baill.*	Lộc mại lá dài	MM				NSBE
<i>Cleidion spiciflorum</i> Merr.*	Mỏ chim	MM				
<i>Cleistanthus petelotii</i> Merr. ex Croizat*	Cọc rào	Na		V	DD	NSBE
<i>Cleistanthus tonkinensis</i> Blume	Cọc rào	Na				
<i>Cnesmone tonkinensis</i> Gagnep.	Bọ net	Lp				
<i>Croton joufra</i> Roxb.	Bà đậu	MM				
<i>Croton oblongifolius</i> Roxb.	Bà đậu lá thuôn	MM				NSBE
<i>Croton sp.</i>	Bà đậu	Na				
<i>Croton thorelii</i> Gagnep.*	Bà đậu	MM				NSBE
<i>Croton tiglium</i> L.*	Bà đậu	MM				
<i>Deutzianthus tonkinensis</i> Gagnep.*	Mọ	MM		LR	DD	NGBE
<i>Endospermum chinense</i> Benth.*	Vạng trứng	MM				
<i>Euphorbia antiquorum</i> L.	Xương rồng	Sp				
<i>Euphorbia hirta</i> L.	Cỏ sữa	Hm				
<i>Euphorbia pulcherrima</i> Willd. ex Klotzsch	Trạng nguyên	Na				
<i>Euphorbia thymifolia</i> L.	Cỏ sữa lá nhỏ	Hm				
<i>Euphorbia tirucalli</i> L.	Xương khô	Na				
<i>Excoecaria cochinchinensis</i> Lour.*	Đơn xanh	Na				
<i>Excoecaria cochinchinensis</i> Lour. var. <i>cochinchinensis</i>	Đơn xanh	Na				NSBE
<i>Flueggea virosa</i> (Willd.) Voigt	Bóng nõ	Na				
<i>Glochidion annamense</i> Beille	Bọt ếch	Na				NSBE

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<i>Glochidion assamicum</i> Hook.f.	Sóc	Na				NSBE
<i>Glochidion balansae</i> Beille	Bọt ếch	Na				NSBE
<i>Glochidion daltonii</i> Kurz	Bọt ếch thuốc	Na				NSBE
<i>Glochidion hirsutum</i> Voigt	Sóc lông	Na				
<i>Glochidion lanceolarium</i> Voigt*	Bọt ếch	Na				NSBE
<i>Glochidion lutescens</i> Blume	Bọt ếch vàng	Na				
<i>Glochidion pilosum</i> (Lour.) Merr.	Bọt ếch	Na				NSBE
<i>Glochidion sp.</i>	Bọt ếch	Na				
<i>Glochidion sp.1</i>	Bọt ếch	Na				
<i>Glochidion thoreli</i> Beille*	Sóc	Na				
<i>Glochidion velutinum</i> Wight*	Bọt ếch	Na				
<i>Homonoia riparia</i> Lour.	Rù ri	Na				
<i>Hura crepitans</i> L.	Vông đồng	MM				
<i>Jatropha curcas</i> L.	Dầu mè	MM				
<i>Koilodepas longifolium</i> Hook.f.*	Không	MM				
<i>Macaranga auriculata</i> (Merr.) Airy Shaw*	Lá nén	MM				NSBE
<i>Macaranga denticulata</i> Müll.Arg.*	Lá nén	MM				
<i>Macaranga indica</i> Wight	Lá nén sáp	Na				
<i>Macaranga kurzii</i> Pax & K. Hoffm.	Lá nén	Na				NSBE
<i>Macaranga trichocarpa</i> Müll.Arg.	Lá nén lông sao	Na				
<i>Mallotus apelta</i> Müll.Arg	Bục trắng	Na				
<i>Mallotus barbatus</i> Müll.Arg.	Bùm bụp	Na				
<i>Mallotus cuneatus</i> Ridl.	Ruói rừng	MM				NSBE
<i>Mallotus decipiens</i> Müll.Arg.	Ba bét	Na				NSBE
<i>Mallotus floribundus</i> Müll.Arg.*	Ba soi	Na				
<i>Mallotus metcalfianus</i> Croizat	Ba bét đỏ	Na				
<i>Mallotus microcarpus</i> Pax & K. Hoffm.*	Ba soi	MM				NSBE
<i>Mallotus paniculatus</i> (Lam.) Müll.Arg.*	Ba soi	MM				
<i>Mallotus philippensis</i> (Lam.) Müll.Arg.	Cánh kiến	MM				
<i>Manihot esculenta</i> Crantz	Sắn	Na				
<i>Phyllanthus amarus</i> Schum. & Thoms.	Me vị đắng	Na				
<i>Phyllanthus emblica</i> L.*	Me rừng	MM				
<i>Phyllanthus reticulatus</i> Poir.*	Phèn đen	Na				

SCIENTIFIC NAME	COMMON NAME	LF	RDB	RD-IUCN	RDBE	NOTE
<i>Phyllanthus sp.</i>	Phèn đen	Na				
<i>Phyllanthus urinaria</i> L.	Chó đẻ	Na				
<i>Ricinus communis</i> L.	Thầu dầu	Na				
<i>Sapium discolor</i> Müll.Arg.*	Sòi tía	MM				
<i>Sauropus androgynus</i> Merr.*	Rau ngót	Na				
<i>Sauropus garrettii</i> Craib	Rau ngót la to	Na				
<i>Sauropus racemosus</i> Beille	Rau ngót	Na				
<i>Sauropus rostratus</i> Miq.*	Ngót dài	Na				NSBE
<i>Sauropus sp.</i>	Rau ngót dài	Na				
<i>Sebastiania chamaelea</i> (L.) Müll.Arg.	Cỏ kỳ nhông	Th				
<i>Securinega virosa</i> (Willd.) Baill.	Bóng nõ	Na				
<i>Strophoblachia fimbriicalyx</i> Boerl.	Mồng sa	Na				NSBE
<i>Suregada cicerosperma</i> (Gagnep.) Croizat*	Kẹn son	Na				NSBE
<i>Suregada multiflora</i> Baill.*	Mần mây	Na				
<i>Suregada sp.</i>	Háo duyên	Na				
<i>Trigonostemon bonianus</i> Gagnep.	Tam tầng	Na				NGBE
<i>Trigonostemon rubescens</i> Gagnep.*	Tam tầng	Na				NGBE
<i>Vernicia montana</i> Lour.*	Trầu	MM				
Fabaceae	Họ Đậu					
<i>Abrus pulchellus</i> Wall.	Cam thảo	Lp				NSBE
<i>Abrus precatorius</i> L.	Cam thảo dây	Lp				
<i>Bowringia callicarpa</i> Champ. ex Benth.	Dây bánh nem	Lp				
<i>Cajanus scarabaeoides</i> (L.) Thouars	Đậu tương dại	Lp				
<i>Crotalaria ferruginea</i> Scheele	Lục lạc	Ch				
<i>Crotalaria montana</i> Roxb.	Lục lạc núi	Ch				
<i>Crotalaria pallida</i> Aiton	Lục lạc trắng xanh	Ch				
<i>Dalbergia balansae</i> Prain*	Trắc	MM	V		R	
<i>Dalbergia boniana</i> Gagnep.*	Trắc bon	MM	DD		DD	NSBE
<i>Dalbergia lanceolaria</i> Moon*	Sưa vẩy ốc	Na				
<i>Dalbergia obovata</i> E. Mey.*	Sưa lá bé	MM				NSBE
<i>Dalbergia tonkinensis</i> Prain	Trắc thối	MM	V		E	
<i>Derris elliptica</i> Benth.*	Dây mật	Lp				

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<i>Derris trifolia</i> Lour.	Dây cóc	Lp				NSBE
<i>Desmodium caudatum</i> DC.	Thóc lép	Hm				
<i>Desmodium gyroides</i> DC.	Tràng hạt	Hm				
<i>Desmodium heterocarpon</i> (L.) DC.	Thóc lép	Hm				
<i>Desmodium heterophyllum</i> (Willd.) DC.	Hàn the	Hm				
<i>Desmodium laxum</i> DC.	Tràng hạt	Hm				
<i>Desmodium podocarpum</i> DC.	Thóc lép	Hm				NSBE
<i>Desmodium sp.</i>	Hàn the	Hm				
<i>Desmodium sp.1</i>	Tràng hạt	Hm				
<i>Desmodium styracifolium</i> Merr.	Vây rông	Hm				
<i>Desmodium velutinum</i> DC.	Tràng hạt	Hm				
<i>Erythrina fusca</i> Lour.*	Vông đồng	MM				NSBE
<i>Erythrina variegata</i> L.	Vông nem	MM				
<i>Flemingia grahamiana</i> Wight & Arn.	Tóp mỡ	Ch				
<i>Glycine sp.</i>	Dầu vên	Na				
<i>Indigofera hisuta</i> L.*	Chàm	Na				
<i>Indigofera tinctoria</i> L.	Chàm nhuộm	Na				
<i>Lablab purpureus</i> (L.) Sweet	Đậu ván	Lp				
<i>Millettia boniana</i> Gagnep.*	Thàn mát lá bé	MM				NSBE
<i>Millettia ichthyotona</i> Drake*	Thàn mát	MM				
<i>Millettia pachyloba</i> Drake	Thàn mát dây	Lp				NSBE
<i>Mucuna interrupta</i> Gagnep.	Mắc mèo	Lp				
<i>Ormosia balansae</i> Drake*	Ràng ràng mít	MM				
<i>Ormosia fordiana</i> Oliver*	Ràng ràng hom	MM				
<i>Ormosia henryi</i> Prain*	Ràng ràng lông	MM				NSBE
<i>Ormosia microphylla</i> Merr.	Ràng ràng lá nhỏ	MM				
<i>Ormosia pinnata</i> (Lour.) Merr.*	Ràng ràng xanh	MM				
<i>Ormosia sp.</i>	Ràng ràng	MM				
<i>Ormosia tonkinensis</i> Gagnep.	Ràng ràng bắc bộ	MM				

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<i>Pachyrhizus erosus</i> (Lour.) Merr.	Củ đậu	Ch				NSBE
<i>Pueraria montana</i> (Lour.) Merr.	Sắn dây rừng	Lp				
<i>Pueraria phaseoloides</i> Benth.	Sắn dây	Lp				
<i>Sophora japonica</i> L.	Hoa hòè	MM				
<i>Spatholobus suberectus</i> Dunn*	Huyết rồng lào	Lp				NGBE
<i>Tephrosia candida</i> DC.	Cốt khí	Na				
<i>Uraria crinita</i> Desv.	Đuôi chồn	Na				
<i>Vigna radiata</i> (L.) Wilczek	Đậu xanh	Th				
<i>Vigna unguiculata</i> (L.) Walp.	Đậu đen	Th				
Fagaceae	Họ Dẻ					
<i>Castanopsis amamensis</i> Hance	Dẻ	MM				
<i>Castanopsis boisii</i> Hickel & A. Camus*	Dẻ bắc giang	MM				NSBE
<i>Castanopsis cerebrina</i> (Hickel & A. Camus) Barnett*	Sồi phảng	MM				NSBE
<i>Castanopsis hystrix</i> DC.*	Dẻ đỏ	MM	V		R	NSBE
<i>Castanopsis indica</i> A.DC.*	Cà ôi ấn độ	MM				
<i>Castanopsis lecomtei</i> Hickel & A. Camus*	Dẻ gai	MM	V		R	NSBE
<i>Castanopsis sp.</i>	Dẻ	MM				
<i>Castanopsis tonkinensis</i> Seemen*	Cà ôi bắc bộ	MM				NSBE
<i>Lithocarpus areca</i> (Hickel & A. Camus) A. Camus	Sồi	MM				
<i>Lithocarpus bacgiangensis</i> (Hickel & A. Camus) A. Camus	Sồi bắc giang	MM	V		R	
<i>Lithocarpus cornea</i> Rehder*	Sồi ghè	MM				
<i>Lithocarpus dealbata</i> Rehder*	Dẻ lá bạc	MM				NSBE
<i>Lithocarpus ducampii</i> (Hickel & A. Camus) A. Camus	Sồi	MM				
<i>Lithocarpus elegans</i> (Blume) Hatus. ex Soepadmo*	Sồi đỏ	MM			R	
<i>Lithocarpus hemisphaericus</i> (Drake) Barnett	Sồi bán cầu	MM				
<i>Lithocarpus pseudosundaicus</i> (Hickel & A. Camus) A. Camus*	Dẻ xanh	MM				
<i>Lithocarpus sp.</i>	Dẻ	MM				
<i>Lithocarpus sp.1</i> *	Dẻ	MM				

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<i>Quercus acutissima</i> Carruth.	Dẻ	MM				NSBE
<i>Quercus bambusifolia</i> Hance ex Miq.	Dẻ lá tre	MM				NSBE
<i>Quercus chrysocalyx</i> Carruth.*	Dẻ cuống	MM	V		R	NSBE
<i>Quercus platycalyx</i> Hickel & A. Camus*	Giẻ cau	MM	V		R	
<i>Quercus sp.*</i>	Sỏi	MM				
Flacourtiaceae	Họ Bò quân					
<i>Casearia flexuosa</i> Craib	Thủ đào	MM				
<i>Casearia velutina</i> Blume	Thủ đào lông	MM				
<i>Flacourtia balansae</i> Gagnep.*	Mùng quân	MM				
<i>Flacourtia indica</i> Merr.*	Mùng quân	MM				NSBE
<i>Flacourtia jangomas</i> Raeusch.*	Mùng quân trắng	MM				NSBE
<i>Hydnocarpus anthelmintica</i> Pierre*	Khổng trắng	MM				
<i>Hydnocarpus hainanensis</i> (Merr.) Sleumer	Nang trứng hải nam	MM		V		NSBE
<i>Hydnocarpus kurzii</i> Warb.*	Nang trứng	MM				
<i>Hydnocarpus serrata</i> Warb.*	Nang trứng	MM				
<i>Hydnocarpus sp.</i>	Nang trứng	MM				
Gesneriaceae	Họ Thượng tiền					NFBE
<i>Beccarinda tonkinensis</i> (Pellegr.) B.L. Burtt*	Thượng tiền	Ch				NGBE
Hamamelidaceae	Họ Sau sau					
<i>Liquidambar formosana</i> Hance*	Sau Sau	MM				
<i>Mytilaria laosensis</i> Lecomte	Sau sau Lào	MM				
<i>Symingtonia tonkinensis</i> (Lecomte) Steenis	Chấp tay	MM				DD
Hernandiaceae	Họ Liên đẳng					
<i>Illigera celebica</i> Miq.	Liên đẳng	Lp				
Hydrangeaceae	Họ Thường son					
<i>Dichroa febrifuga</i> Lour.*	Thường son	Na				
<i>Dichroa hirsuta</i> Gagnep.	Thường son lông	Na				
Icacinaceae	Họ Thụ đào					
<i>Gomphandra hainanensis</i> Merr.*	Bỏ béo hải	Na				

SCIENTIFIC NAME	COMMON NAME	LF	RDB	RD-IUCN	RDBE	NOTE
	nam					
<i>Gomphandra petelotii</i> Merr.*	Bồ bèo	Na				NSBE
<i>Gomphandra tonkinensis</i> Gagnep.*	Bồ bèo bắc bộ	Na				
<i>Nothapodytes</i> sp.	Gian thiếu	Na				
Ixonanthaceae	Họ Hà nu					
<i>Ixonanthes cochinchinensis</i> Pierre*	Hà nu	MM				
<i>Ixonanthes reticulata</i> Jack	Hà nu	MM				NSBE
Juglandaceae	Họ Hồ đào					
<i>Annamocarya sinensis</i> (Dode) J.-F. Leroy*	Chò đai	MM	EN	EN	E	
<i>Engelhardtia chrysolepsis</i> Hance*	Chẹo tía	MM				
<i>Engelhardtia roxburghiana</i> Wall.	Chẹo trắng	MM				
<i>Engelhardtia</i> sp.*	Chẹo	MM				
<i>Pterocarya tonkinensis</i> Dode	Cơi	MM				
Lamiaceae	Họ Hoa môi					
<i>Acrocephalus indicus</i> Kuntze	Nhân trần	Th				
<i>Anisomeles ovata</i> R.Br.	Cứt lợn	Ch				
<i>Elsholtzia blanda</i> H. Keng	Kinh giới dại	Th				
<i>Elsholtzia ciliata</i> (Thunb. ex Murray) Hyl.	Kinh giới	Th				
<i>Gomphostemma parviflorum</i> Wall.	Hoa môi	Ch				NSBE
<i>Hyptis rhomboidea</i> M.Martens & Galeotti	Ké	Hm				
<i>Hyptis suaveolens</i> (L.) Poit.	Tía tô dại	Hm				
<i>Leonurus sibiricus</i> L.	Ích mẫu	Ch				
<i>Leucas</i> sp.	Tỏ ong	Hm				
<i>Mentha crispa</i> L.	Húng	Hm				
<i>Mosla cavaleriei</i> H. Lév.	Hương nhu	Th				
<i>Ocimum basilicum</i> L.	Húng quế	Th				
<i>Ocimum tenuiflorum</i> L.	Hương nhu tía	Th				
<i>Perilla frutescens</i> (L.) Britton	Tía tô	Th				
<i>Perilla ocymoides</i> L.	Tía tô dại	Th				
<i>Plectranthus amboinicus</i> (Lour.) Spreng.	Húng chanh	Th				
<i>Salvia miltiorhiza</i> Bunge	Kinh giới dại	Th				NGBE
Lauraceae	Họ Long					

SCIENTIFIC NAME	COMMON NAME	LF	RDB	RD-IUCN	RDBE	NOTE
	não					
<i>Actinodaphne obovata</i> (Nees) Blume*	Song xanh	MM			T	NSBE
<i>Actinodaphne pedunculata</i> Meisn.*	Bạc tán	MM				NSBE
<i>Actinodaphne pilosa</i> (Lour.) Merr.	Đầu màu	MM				
<i>Beilschmiedia balansae</i> Lecomte*	Bạc tán xanh	MM				NSBE
<i>Beilschmiedia ferruginea</i> H. Liou*	Chấp xanh	MM				NSBE
<i>Beilschmiedia fordii</i> Dunn*	Chấp	MM				
<i>Beilschmiedia pergamentacea</i> C.K.Allen*	Chấp xanh	MM				
<i>Beilschmiedia poilanei</i> Liou*	Chấp	MM				
<i>Beilschmiedia sp.</i>	Bạc tán	MM				
<i>Caryodaphnopsis tonkinensis</i> (Lecomte) Airy Shaw	Cà lồ	MM				
<i>Cassytha filiformis</i> L.	Tơ xanh	Ep				
<i>Cinnamomum balansae</i> Lecomte	Vù hương	MM	V	EN		E
<i>Cinnamomum bejolghota</i> (Buch.-Ham.) Sweet*	Quế lợn	MM				
<i>Cinnamomum camphora</i> (L.) Presl	Long não	MM				
<i>Cinnamomum cassia</i> Blume	Quế	MM				
<i>Cinnamomum ilicioides</i> A. Chev.*	Re gừng	MM				
<i>Cinnamomum impressineurium</i> Meissn.	Re gân lồm	MM				
<i>Cinnamomum iners</i> Reinw. ex Blume*	Re hương	MM				
<i>Cinnamomum ovatum</i> Lukman	Re rừng	MM				
<i>Cinnamomum sp.</i>	Re bắc bộ	MM				
<i>Cryptocarya annamensis</i> C.K. Allen*	Mò lông lá lớn	MM				NSBE
<i>Cryptocarya chinensis</i> Hemsl.*	Mò trung hoa	MM				NSBE
<i>Cryptocarya concinna</i> Hance	Mò quả vàng	MM				
<i>Cryptocarya ferrea</i> Blume*	Mò cứng	MM				
<i>Cryptocarya hainanensis</i> Merr.*	Mò hải nam	MM				NSBE
<i>Cryptocarya impressa</i> Miq.*	Mò quả lớn	MM				NSBE
<i>Cryptocarya lenticellata</i> Lecomte*	Nanh chuột	MM				
<i>Cryptocarya maclurei</i> Merr.*	Mò lá bạc	MM				NSBE
<i>Cryptocarya metcalfiana</i> C.K. Allen*	Mò hương	MM				NSBE
<i>Cryptocarya obtusiflora</i> Merr.	Mò lá tròn	MM				
<i>Cryptocarya sp.</i> *	Mò	MM				
<i>Endiandra hainanensis</i> Merr. & Metc.	Vừ	MM	EN			R

SCIENTIFIC NAME	COMMON NAME	LF	RDB	RD-IUCN	RD BE	NOTE
<i>Lindera aggregata</i> (Sims) Kosterm.*	Ô đước	MM				NSBE
<i>Lindera racemosa</i> Lecomte*	Lòng trứng	MM				
<i>Lindera tonkinensis</i> Lecomte*	Lòng trứng bắc bộ	MM				NSBE
<i>Litsea balansae</i> Lecomte*	Bời lời	MM				
<i>Litsea baviensis</i> Lecomte	Bời lời ba vì	MM				
<i>Litsea cubeba</i> Pers.*	Màng tang	MM				
<i>Litsea glutinosa</i> (Lour.) C.B. Rob.*	Bời lời nhót	MM				
<i>Litsea griffithii</i> Gamble	Bời lời	MM				
<i>Litsea impressa</i> Boerl.*	Bời lời	MM				NSBE
<i>Litsea lancifolia</i> Hook. f.	Bời lời lá mác	MM				
<i>Litsea mollifolia</i> Chun*	Bời lời lông	MM				NSBE
<i>Litsea monopetala</i> Pers.*	Bời bời lá tròn	MM				
<i>Litsea pierrei</i> Lecomte*	Bời lời lecom	MM				
<i>Litsea rotundifolia</i> Hemsl.*	Bời lời lá tròn	MM				
<i>Litsea sp.</i> *	Bời lời	MM				
<i>Litsea umbellata</i> Merr.*	Bời lời	MM				
<i>Litsea verticillata</i> Hance*	Bời bời lá vòng	MM				
<i>Litsea yunnanensis</i> Yang & P.H. Hoang	Bời lời vân nam	MM				NSBE
<i>Machilus bonii</i> Lecomte*	Kháo vàng	MM				
<i>Machilus chinensis</i> Hemsl.*	Kháo trung hoa	MM				
<i>Machilus grandifolia</i> S.K. Lee & F.N. Wei*	Kháo lá lớn	MM				NSBE
<i>Machilus hainanensis</i> Merr.	Kháo hải nam	MM				
<i>Machilus odoratissimus</i> Nees*	Kháo thơm	MM				
<i>Machilus platycarpa</i> Chun*	Kháo cuống dài	MM				NSBE
<i>Machilus sp.</i>	Kháo	MM				
<i>Machilus sp.1</i>	Kháo	MM				
<i>Machilus velutina</i> Champ. ex Benth.*	Kháo lông	MM				

SCIENTIFIC NAME	COMMON NAME	LF	RDB	RD-IUCN	RD BE	NOTE
<i>Neocinnamomum lecomtei</i> H. Liou	Re mới	MM				NSBE
<i>Neolitsea angustifolia</i> A. Chev.	Re mới	MM				
<i>Neolitsea poilanei</i> H. Liou*	Re mới lá to	MM				
<i>Phoebe macrocarpa</i> C.Y. Wu*	Kháo quả to	MM	V			R
<i>Phoebe paniculata</i> Nees*	Kháo nước	MM				T NSBE
<i>Phoebe tavoyana</i> Hook.f.	Kháo lá to	MM				
<i>Phoebe</i> sp.	Kháo	MM				
Leeaceae	Họ Gối hạc					
<i>Leea indica</i> Merr.	Gối hạc đen	Na				
<i>Leea manillensis</i> Walp.	Gối hạc	Na				
<i>Leea rubra</i> Blume	Gối hạc	Na				
Lecythaceae	Họ Lộc vừng					NFBE
<i>Barringtonia acutangula</i> (L.) Gaertn.	Lộc vừng	MM				NGBE
Loganiaceae	Họ Mã tiền					
<i>Gelsemium elegans</i> Benth.	Lá ngón	Lp				
<i>Strychnos angustifolia</i> Benth.*	Mã tiền	MM				
<i>Strychnos nitida</i> G. Don	Mã tiền	Lp	EN			DD
<i>Strychnos umbellata</i> Merr.*	Mã tiền dây	Lp	V			DD
Loranthaceae	Họ Tầm gửi					
<i>Dendrophthoe pentandra</i> (L.) Miq.*	Tầm gửi	Ep				
<i>Elytranthe albida</i> Blume	Tầm gửi	Ep	V			
<i>Scurrula ferruginea</i> Danser	Tầm gửi sét	Ep				
Lythraceae	Họ Bằng lăng					
<i>Lagerstroemia calyculata</i> Kurz*	Bằng lăng	MM				R
<i>Lagerstroemia speciosa</i> Pers.	Bằng lăng tím	MM				
<i>Lagerstroemia tomentosa</i> C. Presl	Săng lê	MM				
<i>Punica granatum</i> L.	Lựu	MM				NGBE
Magnoliaceae	Họ Mộc lan					
<i>Magnolia coco</i> DC.*	Hoa trứng gà	MM				
<i>Magnolia fistulosa</i> Dandy	Mộc lan rừng	MM				
<i>Manglietia conifera</i> Dandy	Mỡ	MM				R
<i>Manglietia fordiana</i> Oliver*	Vàng tâm	MM	V			R
<i>Manglietia insignis</i> Blume	Mỡ đá	MM				

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<i>Michelia alba</i> DC.	Ngọc lan	MM				NSBE
<i>Michelia balansae</i> Dandy*	Giỏi bà	MM	V			
<i>Michelia champaca</i> L.	Ngọc lan hoa vàng	MM				
<i>Michelia foveolata</i> Merr.	Giỏi hung	MM				
<i>Michelia mediocris</i> Dandy*	Giỏi xanh	MM				R
<i>Michelia tonkinensis</i> A. Chev.*	Giỏi bắc	MM				R
Malvaceae	Họ Bông					
<i>Abelmoschus moschatus</i> Medik.	Bông vàng	Ch				
<i>Abutilon indicum</i> (L.) Sweet	Cối xay	Na				
<i>Hibiscus grewiaefolius</i> Hassk.	Bụt cò ke	Na				
<i>Hibiscus rosa-sinensis</i> L.	Dâm bụt	Na				
<i>Hibiscus</i> sp.	Bông	MM				
<i>Kydia calycina</i> Roxb.*	Ong bù	MM				
<i>Sida acuta</i> Burm.	Ké	Na				
<i>Sida rhombifolia</i> L.	Ké hoa vàng	Na				
<i>Urena lobata</i> L.	Ké hoa đào	Na				
Melastomataceae	Họ Mua					
<i>Blastus cochinchinensis</i> Lour.*	Mua rừng	Na				
<i>Medinilla assamica</i> (C.B. Clarke) C. Chen	Mua chua	Na				
<i>Melastoma candidum</i> D. Don*	Mua bà	Na				
<i>Melastoma normale</i> D. Don	Mua	Na				
<i>Melastoma sanguineum</i> Sims	Mua máu	Na				
<i>Melastoma septemnerium</i> Merr.*	Mua đôi	Na				
<i>Melastoma</i> sp.	Mua đôi	Na				
<i>Memecylon edule</i> Roxb.*	Sằm si	Na				
<i>Memecylon fruticosum</i> King	Sằm	Na				
<i>Memecylon scutellatum</i> A.Chev.*	Sằm núi	Na				NSBE
<i>Osbeckia truncata</i> D. Don ex Wight & Arn.	Mua tép	Na				
Meliaceae	Họ Xoan					
<i>Aglaia edulis</i> Gray*	Gội dụ	MM				
<i>Aglaia odorata</i> Lour.*	Ngâu	MM				LR
<i>Aglaia perviridis</i> Hiern	Gội tè	MM				V
<i>Aglaia roxburghiana</i> Miq.	Gội núi	MM				NSBE
<i>Aglaia silvestris</i> Merr.	Gội	MM				

SCIENTIFIC NAME	COMMON NAME	LF	RDB	RD-IUCN	RDBE	NOTE
<i>Aglaiaspectabilis</i> (Miq.) S.S. Jain & Bennet*	Gội nếp	MM	V	LR	T	
<i>Aglaiasp.</i> *	Gội	MM				
<i>Aglaiatomentosa</i> Teijsm. & Binn.	Gội lông	MM		LR		NSBE
<i>Aphanamixis grandiflora</i> Blume*	Gội trắng	MM			T	
<i>Azadirachta indica</i> A. Juss.	Sầu đầu	MM				
<i>Chisocheton chinensis</i> Merr.*	Quếch tía	MM				
<i>Chisocheton sp.</i> *	Quếch	MM				
<i>Chisocheton thorelii</i> Pierre	Quếch	MM				
<i>Chukrasia tabularis</i> A. Juss.	Lát hoa	MM	V	LR		
<i>Cipadessa sp.</i> *	Cà muối	MM				
<i>Dysoxylum acutangulum</i> Miq.	Chua khét	MM				
<i>Dysoxylum cauliflorum</i> Hiern*	Đinh hương	MM	V		T	
<i>Dysoxylum tonkinensis</i> A. Chev.*	Chặt khế	MM				
<i>Khaya senegalensis</i> A. Juss.	Xà cừ	MM				
<i>Melia azedarach</i> L.	Xoan	MM				
<i>Toona sureni</i> Merr.*	Trương vân	MM			R	NGBE
Menispermaceae	Họ Tiết dê					
<i>Anamirta cocculus</i> Wight & Arn.	Nhai đắng	Lp				
<i>Cissampelos pareira</i> L.	Tiết dê	Lp			R	
<i>Coscinium fenestratum</i> Colebr.	Vàng đắng	Lp			E	NSBE
<i>Fibraurea recisa</i> Pierre*	Hoàng đằng	Lp			T	
<i>Fibraurea tinctoria</i> Lour.	Hoàng đằng	Lp				
<i>Pericampylus glaucus</i> Merr.*	Lõi tiền	Lp				
<i>Pycnarrhena poilanei</i> (Gagnep.) Forman	Phi đằng	Lp				NSBE
<i>Stephania hernandiifolia</i> (Willd.) Walp.	Cam thảo	Lp				
<i>Stephania longa</i> Lour.	Lõi tiền	Lp			R	
<i>Stephania rotunda</i> Lour.	Củ bình vôi	Lp			R	
<i>Tinospora sp.</i>	Dây cóc	Lp				
<i>Tinospora tomentosa</i> Miers	Dây đau xương	Lp				
Mimosaceae	Họ Trinh nữ					
<i>Acacia auriculaeformis</i> A. Cunn. ex Benth.	Keo lá tràm	MM				
<i>Acacia confusa</i> Merr.	Đài loan tương tư	MM				

SCIENTIFIC NAME	COMMON NAME	LF	RDB	RD-IUCN	RDBE	NOTE
<i>Acacia farnesiana</i> (L.) Willd.	Keo ta	MM				
<i>Acacia mangium</i> Willd.	Keo tai trượng	MM				
<i>Acacia pennata</i> (L.) Willd.	Sống rắn	Lp				NSBE
<i>Adenanthera microsperma</i> Teijsm. & Binn.*	Muồng Ràng Ràng	MM				
<i>Albizia corniculata</i> (Lour.) Druce	Sống rắn	Na				
<i>Albizia lucida</i> Benth. *	Bản xe	MM				R
<i>Archidendron balansae</i> (Oliver) I.C. Nielsen*	Phân mã lá lớn	MM				NSBE
<i>Archidendron chevalieri</i> (Kosterm.) I.C. Nielsen*	Phân mã	MM				
<i>Archidendron clypearia</i> (Jack) I.C. Nielsen*	Mán đĩa	MM				
<i>Archidendron kerrii</i> (Gagnep.) I.C. Nielsen	Mán đĩa	MM				NSBE
<i>Archidendron lucidum</i> (Benth.) I.C. Nielsen*	Mán đĩa trâu	MM				
<i>Entada phaseoloides</i> (L.) Merr.	Bầm bầm	Lp				
<i>Leucaena leucocephala</i> (Lam.) de Wit	Keo dậu	MM				
<i>Mimosa diplotricha</i> Wright	Trinh nữ	Lp				
<i>Mimosa pigra</i> L.	Mai Dương	Na				
<i>Mimosa pudica</i> L.	Trinh nữ thẹn	Ch				
Moraceae	Họ Dâu tằm					
<i>Antiaris toxicaria</i> Lesch.*	Sui	MM				
<i>Artocarpus heterophyllus</i> Lam.	Mít	MM				
<i>Artocarpus styracifolius</i> Pierre	Chay lá bò đê	MM				
<i>Artocarpus tonkinensis</i> A. Chev.	Chay	MM				
<i>Broussonetia papyrifera</i> Vent.*	Dướng	MM				
<i>Ficus annulata</i> Blume*	Đa quả xanh	MM				
<i>Ficus auriculata</i> Lour.*	Và	MM				
<i>Ficus benjamina</i> L.	Si	MM				
<i>Ficus capillipes</i> Gagnep.	Vú bò	Na				NSBE
<i>Ficus curtipes</i> Corner	Đa	MM				NSBE
<i>Ficus fistulosa</i> Reinw. ex Blume*	Ngoã	MM				
<i>Ficus fulva</i> Elmer	Ngoã lông	MM				
<i>Ficus glaberrima</i> Blume	Sung	MM				NSBE
<i>Ficus heterophylla</i> L. f.	Vú bò	Na				
<i>Ficus hirta</i> Vahl*	Ngái lông	MM				

SCIENTIFIC NAME	COMMON NAME	LF	RDB	RD-IUCN	RD BE	NOTE
<i>Ficus hispida</i> L. f.*	Ngái		MM			
<i>Ficus lacor</i> Buch.-Ham.*	Đa		MM			
<i>Ficus laevis</i> Blume*	Sung lá bóng		MM			NSBE
<i>Ficus macrophylla</i> Roxb.*	Đa lá lớn		MM			
<i>Ficus nervosa</i> Roth*	Đa rừng		MM			
<i>Ficus pumila</i> L.*	Sộp		MM			
<i>Ficus racemosa</i> L.*	Sung		MM			
<i>Ficus retusa</i> L.	Đa		MM			NSBE
<i>Ficus sp.</i> *	Đa		MM			
<i>Ficus sp.1</i> *	Đa		MM			
<i>Ficus vasculosa</i> Wall.	Vỏ mần		MM			
<i>Maclura cochinchinensis</i> (Lour.) Corner	Mỏ quạ		Lp			
<i>Morus alba</i> L.	Đâu tằm		Na			
<i>Morus macroura</i> Miq.	Đâu quả dài		MM			
<i>Streblus asper</i> Lour.	Ruổi		MM			
<i>Streblus indicus</i> (Burm.) Corner*	Ruổi ô rô		MM			
<i>Streblus macrophylla</i> Blume*	Mạy tèo		MM			
<i>Teonongia tonkinensis</i> Stapf*	Teo nông		MM			
Myristicaceae	Họ Máu chó					
<i>Horsfieldia amygdalina</i> (Wall.) Warb.*	Săng máu		MM			
<i>Knema conferta</i> Warb.*	Máu chó lá nhỏ		MM			
<i>Knema elegans</i> Warb.	Máu chó		MM			
<i>Knema pierrei</i> Warb.*	Máu chó lá to		MM	V	R	NSBE
<i>Knema tonkinensis</i> (Warb.) W.J. de Wilde	Máu chó bắc bộ		MM			
<i>Myristica fragrans</i> Houtt.	Đậu khấu		MM			NGBE
<i>Myristica yunnanensis</i> Y.H. Li*	Đậu khấu Bến En		MM		R	NSVN
Myrsinaceae	Họ Đon nem					
<i>Ardisia crenata</i> Sims.	Trọng đũa		MM			
<i>Ardisia lecomtei</i> Pit.*	Trọng đũa gỗ		MM			
<i>Ardisia quinquegona</i> Blume*	Trọng đũa		Na			

SCIENTIFIC NAME	COMMON NAME	LF	RDB	RD-IUCN	RDBE	NOTE
	tuyền					
<i>Ardisia replicata</i> Walker*	Trọng đũa núi	MM				NSBE
<i>Ardisia rubescens</i> Pit.	Cơm nguội	Na				NSBE
<i>Ardisia silvestris</i> Pit.	Lá khô tím	Na	V			E
<i>Ardisia sp.</i>	Trọng đũa	Na				
<i>Ardisia yunnanensis</i> Mez	Trọng đũa Vân Nam	Na				NSBE
<i>Embelia acuminata</i> Merr.	Chua ngút	Lp				
<i>Embelia laeta</i> Mez	Ngút trắng	Lp				
<i>Embelia oblongifolia</i> (Benth.) Hemsl.	Chua ngút lá dài	Lp				
<i>Embelia ribes</i> Burm.f.	Chua ngút	Lp				
<i>Maesa balansae</i> Mez	Đơn nem	Na				
<i>Maesa indica</i> Wall.	Đơn nem răng cưa	Na				
<i>Maesa perlarius</i> (Lour.) Merr.*	Đơn nem	Na				NSBE
<i>Maesa sinensis</i> A.DC.	Đơn nem	Na				
<i>Maesa sp.</i>	Đơn nem	Na				
Myrtaceae	Họ Sim					
<i>Baeckea frutescens</i> L.	Thanh hao	Na				NSBE
<i>Cleistocalyx operculatus</i> Merr. & L.M. Perry*	Trâm vôi	MM				
<i>Eucalyptus camaldulensis</i> Dehnh.	Bạch đàn trắng	MM				
<i>Eucalyptus exserta</i> F. Müll.	Bạch đàn liễu	MM				
<i>Psidium guajava</i> L.	Ôi	MM				
<i>Rhodomyrtus tomentosa</i> Hassk.	Sim	Na				
<i>Syzygium attopeuense</i> (Gagnep.) Merr. & L.M. Perry	Rì rì	Na				
<i>Syzygium brachiatum</i> Miq.*	Trâm	MM				
<i>Syzygium chanlos</i> (Gagnep.) Merr. & L.M. Perry*	Trâm trắng	MM				
<i>Syzygium chloranthum</i> (Duthie) Merr. & L.M. Perry	Gioi đại	MM				
<i>Syzygium hancei</i> Merr. & L.M. Perry*	Trâm	MM				NSBE
<i>Syzygium jambos</i> (L.) Alston*	Gioi	MM				
<i>Syzygium levinei</i> (Merr.) Merr.*	Trâm núi	MM				

SCIENTIFIC NAME	COMMON NAME	LF	RDB	RD-IUCN	RD BE	NOTE
<i>Syzygium polyanthum</i> Walp.*	Sắn thùy	MM				
<i>Syzygium sp.</i> *	Trâm thom	MM				
<i>Syzygium sp.1</i> *	Trâm	MM				
<i>Syzygium tonkinense</i> (Gagnep.) Merr. & L.M. Perry*	Trâm bắc bộ	MM				
<i>Syzygium wightianum</i> Wall.*	Trâm trắng	MM				
<i>Syzygium zeylanicum</i> (L.) DC.*	Trâm tía	MM				
Nyctaginaceae	Họ Hoa giấy					
<i>Bougainvillea spectabilis</i> Willd.	Hoa giấy	Lp				
Ochnaceae	Họ Mai vàng					
<i>Ochna integerrima</i> (Lour.) Merr.*	Mai vàng	MM				
Olacaceae	Họ Rau bủ khai					
<i>Erythralium scandens</i> Blume	Bủ khai	Lp				
Oleaceae	Họ Nhài					
<i>Jasminum longipetalum</i> King & Gamble	Nhài lá ngắn	Na				
<i>Jasminum nervosum</i> Lour.*	Chè vàng	Lp				
<i>Jasminum sambac</i> (L.) Ait.	Nhài	Na				
<i>Jasminum scandens</i> Vahl	Lài leo	Lp				
<i>Jasminum subtriplinerve</i> Blume	Vàng	Lp				
<i>Jasminum undulatum</i> Willd.	Vàng lông	Lp				
<i>Ligustrum indicum</i> (Lour.) Merr.	Râm	Na				
<i>Linociera sangda</i> Gagnep.	Vàng	Na				NSBE
<i>Osmanthus fragrans</i> Lour.*	Nhài	Na				
<i>Osmanthus matsumuranus</i> Hayata*	Vỏ sắn lá dài	MM				
<i>Osmanthus pendunculatus</i> Gagnep.*	Vỏ sắn	MM				
<i>Osmanthus sp.</i>	Nhài rừng	MM				
Onagraceae	Họ Rau mương					
<i>Ludwigia adscendens</i> (L.) H. Hara	Rau dừa nước	Cr				
<i>Ludwigia octovalvis</i> (Jacq.) P.H. Raven	Rau mương	Cr				
Opiliaceae	Họ Rau sáng					
<i>Cansjera rheedei</i> J.F. Gmel.	Sáng	MM				NGBE

SCIENTIFIC NAME	COMMON NAME	LF	RDB	RD-IUCN	RDBE	NOTE
<i>Meliantha suavis</i> Pierre*	Rau sắng	MM	V			R
Oxalidaceae	Họ Chua me					
<i>Averrhoa carambola</i> L.*	Khế	MM				
<i>Biophytum sensitivum</i> (L.) DC.	Chua me đất	Ch				
<i>Oxalis corniculata</i> L.	Chua me	Ch				
Pandaceae	Họ Chấn					
<i>Microdesmis caseariaefolia</i> Planch. ex Hook.*	Chấn	MM				
Passifloraceae	Họ Lạc tiên					
<i>Passiflora foetida</i> L.	Lạc tiên	Lp				
Pentaphragmataceae	Họ Rau tai voi					
<i>Pentaphragma sinense</i> Hemsl. & E.H. Wilson	Rau tai voi	Hm				
Piperaceae	Họ Hồ tiêu					
<i>Peperomia pellucida</i> Kunth.	Rau càng cua	Th				
<i>Piper betle</i> L.	Trầu không	Lp				
<i>Piper bonii</i> C.DC.*	Tiêu lông	Lp				NSBE
<i>Piper lolot</i> C.DC.	Lá lốt	Hm				
<i>Piper nigrum</i> L.	Tiêu rừng	Ep				
<i>Piper sp.</i>	Tiêu rừng	Lp				
Plantaginaceae	Họ Mã đề					
<i>Plantago asiatica</i> L.	Mã đề	Hm				
<i>Plantago major</i> L.	Mã đề	Hm				
Polygalaceae	Họ Viễn chí					
<i>Polygala tonkinensis</i> Chodat	Viễn chí	Na				
<i>Xanthophyllum sp.</i>	Săng ót	MM				
Polygonaceae	Họ Rau răm					
<i>Persicaria hydropiper</i> (L.) Spach	Nghê răm	Th				
<i>Polygonum barbatum</i> L.	Nghê râu	Hm				NSBE
<i>Polygonum chinense</i> L.	Mía giò	Lp				
<i>Polygonum multiflorum</i> Thunb.	Hà thủ ô	Lp	V			V
<i>Polygonum odoratum</i> Lour.	Rau răm	Hm				
<i>Polygonum orientale</i> L.	Nghê	Hm				
Portulacaceae	Họ Rau sam					

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<i>Portulaca grandiflora</i> Hook.	Hoa mười giờ		Th			
<i>Portulaca oleracea</i> L.	Rau sam		Th			
Proteaceae	Họ Quắn hoa					
<i>Helicia bullata</i> Sleumer*	Mạ sưa rừng cưa	MM				NSBE
<i>Helicia cochinchinensis</i> Lour.*	Cơm vàng	MM				
<i>Helicia hainanensis</i> Hayata	Mạ sưa hải nam	MM				
<i>Helicia obovatifolia</i> Merr. & Chun*	Mạ sưa	MM				NSBE
<i>Helicia sp.</i> *	Mạ sưa	MM				
<i>Helicia tonkinensis</i> Lecomte*	Mạ sưa bắc bộ	MM				NSBE
<i>Heliciopsis lobata</i> (Merr.) Sleumer	Mạ sưa	MM				
<i>Heliciopsis sp.</i>	Mạ sưa rừng	MM				
Ranunculaceae	Họ Mao cán					
<i>Clematis buchaniana</i> DC.	Dây ông lão	Lp				
Rhamnaceae	Họ Táo ta					
<i>Berchemia lineata</i> (L.) DC.	Dây sâm	Lp				
<i>Gouania leptostachya</i> DC.	Dây đòn gánh	Lp				
<i>Ziziphus funiculosa</i> Buch.-Ham. ex Wall.	Táo dại	Na				
<i>Ziziphus mauritiana</i> Lam.	Táo nhà	MM				
<i>Ziziphus oenoplia</i> (L.) Mill.	Táo dại	Na				
Rhizophoraceae	Họ Đước					
<i>Carallia brachiata</i> (Lour.) Merr.*	Trúc tiết	MM				
<i>Carallia lucida</i> Roxb.	Răng cá	MM				
Rosaceae	Họ Hoa hồng					
<i>Duchesnea indica</i> (Andrews) Focke	Dâu núi	Na				NGBE
<i>Eriobotrya deflexa</i> Nakai*	Tì bà	Na				NSBE
<i>Eriobotrya japonica</i> (Thunb.) Lindl.*	Tì bà	Na				NSBE
<i>Persica vulgaris</i> Mill.	Đào	MM				NGBE
<i>Prunus arborea</i> (Blume) Kalkman*	Xoan đào	MM				
<i>Prunus armeniana</i> L.	Mơ	MM				
<i>Prunus fordiana</i> Dunn*	Vỏ hôi	MM				

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<i>Prunus salicina</i> Lindl.	Mận		MM			
<i>Prunus sp.</i>	Xoan đào rừng		MM			
<i>Prunus zippeliana</i> Miq.*	Da bò		MM			
<i>Rhaphiolepis indica</i> (L.) Lindl.	Bánh xe		MM			
<i>Rosa chinensis</i> Jacq.	Hoa hồng		Na			
<i>Rubus alcaefolius</i> Poir.	Mâm xôi		Lp			
<i>Rubus cochinchinensis</i> Tratt.	Ngấy		Lp			
<i>Rubus leucanthus</i> Hance	Mâm xôi		Lp			
Rubiaceae	Họ Cà phê					
<i>Aidia acuminatissima</i> (Merr.) Masam.*	Mãi táp lông	MM				NSBE
<i>Aidia cochinchinensis</i> Lour.*	Mãi táp	MM				NSBE
<i>Aidia oxyodonta</i> (Drake) Yamaz.*	Găng nhọn	MM				
<i>Aidia pycnantha</i> (Drake) Tirveng.*	Mãi táp	MM				
<i>Aidia sp.*</i>	Mãi táp	Na				
<i>Aidia spicata</i> (Valeton) Tirveng.*	Mãi táp	MM				
<i>Canthium dicoccum</i> Merr.*	Xương cá	MM	V			R
<i>Canthium horridum</i> Blume	Găng gai	Na				
<i>Canthium sp.*</i>	Găng com	Na				
<i>Catunaregam spinosa</i> (Thunb.) Tirveng.	Găng trâu	Na				
<i>Gardenia philastreii</i> Pierre ex Pit.	Dành dành	Na				NSBE
<i>Gardenia sp.*</i>	Dành dành	Na				
<i>Hedyotis capitellata</i> Wall.*	Dạ cầm	Lp				
<i>Hedyotis hispida</i> Retz.	Dạ cầm lông	Na				NSBE
<i>Ixora balansae</i> Pit.	Đơn núi	Na				NSBE
<i>Ixora chinensis</i> Lam.	Mẫu đơn	Na				
<i>Ixora coccinea</i> L.	Đơn đỏ	Na				
<i>Ixora sp.</i>	Mẫu đơn	Na				
<i>Ixora sp.1</i>	Mẫu đơn	Na				
<i>Lasianthus calycinus</i> Dunn	Chia vôi	Na				
<i>Lasianthus sp.*</i>	Chia vôi	Na				
<i>Morinda citrifolia</i> L.	Mặt qui	Lp				R
<i>Morinda officinalis</i> F.C. How	Ba kích	Lp				E
<i>Morinda tomentosa</i> Heyne	Nhàu lông	Lp				NSBE
<i>Morinda umbellata</i> L.	Mặt qui	Lp				
<i>Mussaenda cambodiana</i> Pierre ex Pit.	Bướm bạc	MM				

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<i>Mussaenda macrophylla</i> Wall.	Bướm bạc lá to	MM				
<i>Mussaenda pubescens</i> W.T. Aiton	Bướm bạc lông	MM				
<i>Mussaenda</i> sp.	Bướm bạc	Na				
<i>Neolamarcia cadamba</i> (Roxb.) J. Bosser	Gáo	MM				
<i>Neonauclea calycina</i> Merr.	Vàng kiêng	MM				
<i>Neonauclea purpurea</i> (Roxb.) Merr.	Vàng kiêng	MM				
<i>Neonauclea sessilifolia</i> Merr.	Gáo vàng	MM				
<i>Oldenlandia</i> sp.*	Dạ cầm	Ch				
<i>Paederia foetida</i> L.	Mơ	Lp				
<i>Pavetta graciliflora</i> Wall.	Xương gà	MM				
<i>Psychotria fleuryi</i> Pit.	Lầu	Na				NSBE
<i>Psychotria montana</i> Blume*	Lầu núi	Na				NSBE
<i>Psychotria rubra</i> Poit.	Lầu	Na				
<i>Psychotria</i> sp.*	Lầu	Na				
<i>Psychotria</i> sp.1*	Lầu	Na				
<i>Randia acuminatissima</i> Merr.*	Mãi táp	MM				
<i>Randia eucodon</i> K. Schum.*	Mãi táp	MM				NSBE
<i>Randia macrophylla</i> Pit.*	Mãi táp lá to	MM				
<i>Randia oxyodonta</i> Drake*	Găng	Na				NSBE
<i>Randia pycnantha</i> Drake*	Mãi táp	Na				NSBE
<i>Randia</i> sp.*	Găng	Na				
<i>Randia spinosa</i> Loes.*	Mãi táp	MM				
<i>Tarennia latifolia</i> Pit.	Trên lá to	Na				NGBE
<i>Tarennia</i> sp.	Trên	Na				
<i>Timonius arborea</i> Elmer*	Găng Bến En	Na			R	NSVN
<i>Uncaria homomalla</i> Miq.	Vuốt đồng	Lp				
<i>Uncaria macrophylla</i> DC.	Câu đàng lá to	Lp				
<i>Uncaria scandens</i> Hutch.	Vuốt leo	Lp				
<i>Uncaria</i> sp.	Câu đàng	Lp				
<i>Urophyllum</i> sp.	Lá đuôi	MM				
<i>Urophyllum streptophodium</i> Wall.*	Lá đuôi	MM				
<i>Urophyllum villosum</i> Jack & Wall.	Lá đuôi lông	MM				NSBE

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<i>Wendlandia glabrata</i> DC.	Hoắc quang trắng	MM				NSBE
<i>Wendlandia paniculata</i> DC.*	Hoắc quang tia	MM				
<i>Xanthophyllum polyanthum</i> Pit.	Hoàng cách	Na				
Rutaceae	Họ Cam					
<i>Acronychia pedunculata</i> Miq.*	Bưởi bung	MM				
<i>Atalantia citroides</i> Pierre ex Engl. & Prantl*	Chanh rừng	MM				NSBE
<i>Atalantia sessiliflora</i> Guillaumin	Tầm xoong	Na				
<i>Citrus aurantifolia</i> Swingle	Chanh	Na				
<i>Citrus grandis</i> Osbeck	Bưởi	MM				
<i>Citrus reticulata</i> Blanco	Quýt	Na				
<i>Citrus sinensis</i> Osbeck	Cam	MM				
<i>Clausena dunniana</i> H. Lev.*	Hồng bì đại	MM				NSBE
<i>Clausena excavata</i> Burm.f.*	Hồng bì đại	MM				
<i>Clausena indica</i> Oliver*	Mắc mật	MM				
<i>Clausena lansium</i> Skeels*	Hồng bì	MM				
<i>Clausena laevis</i> Drake*	Hồng bì	MM				
<i>Euodia leptota</i> (Spreng) Merr.	Ba chạc	Na				
<i>Euodia meliaefolia</i> Benth.*	Thôi chanh	MM				
<i>Euodia</i> sp.	Ba chạc	Na				
<i>Glycosmis cochinchinensis</i> Pierre	Cơm rượu	Na				
<i>Glycosmis cyanocarpa</i> Spreng.	Cơm rượu	Na				NSBE
<i>Glycosmis parviflora</i> (Sims) Little	Cơm rượu	MM				NSBE
<i>Micromelum falcatum</i> Tanaka*	Mắt trâu	MM				
<i>Micromelum hirsutum</i> Oliver*	Mắt trâu	MM				
<i>Murraya alata</i> Drake	Nguyệt quất	Na				
<i>Murraya paniculata</i> (L.) Jack*	Nguyệt quất	Na				NSBE
<i>Zanthoxylum avicennae</i> DC.	Sén	Na				
<i>Zanthoxylum cucullatipetalum</i> Guillaumin	Hoàng mộc	MM				NSBE
<i>Zanthoxylum nitidum</i> (Roxb.) DC.	Xuyên tiêu	MM				
<i>Zanthoxylum rhesoides</i> Drake	Sén hôi	MM				
<i>Zanthoxylum</i> sp.	Sén	Na				
Sapindaceae	Họ Bồ hòn					
<i>Allophylus cobbe</i> (L.) Blume*	Ngoại mộc	MM				
<i>Amesiodendron chinense</i> (Merr.) Hu*	Trùng sâng	MM		LR		T

SCIENTIFIC NAME	COMMON NAME	LF	RDB	RD-IUCN	RD BE	NOTE
<i>Dimocarpus fumatus</i> (Blume) Leenh.*	Nhãn rừng	MM				
<i>Dimocarpus longan</i> Lour.	Nhãn	MM				
<i>Glennia philippinensis</i> (Radlk.) Leenh.	Chua khét	MM				
<i>Litchi chinensis</i> Sonn.	Vải	MM				
<i>Mischocarpus pentapetalus</i> Radlk.*	Trường kẹn	MM				
<i>Nephelium cuspidatum</i> Blume*	Vải guốc	MM				
<i>Paviesia annamensis</i> Pierre*	Trường mật	MM				T
<i>Pometia pinnata</i> Forst.*	Sâng	MM				R
<i>Sapindus saponaria</i> L.	Bồ hòn	MM				
<i>Xerospermum noronhianum</i> Blume*	Vải guốc	MM				
Sapotaceae	Họ Hồng xiêm					
<i>Achras sapota</i> L.	Hồng xiêm	MM				
<i>Chrysophyllum cainito</i> L.	Vú sữa	MM				
<i>Donella lanceolata</i> (Blume) Aubrév.	Sơn xâ	MM				NSBE
<i>Madhuca pasquieri</i> H.J. Lam*	Sén mật	MM	EN	V		E
<i>Pouteria sapota</i> (Jacq.) H.E. Moore & Stearn.	Trứng gà	MM				
<i>Sinosideroxylon bonii</i> Aubrév.*	Sén xanh	MM				
<i>Sinosideroxylon racemosum</i> (Dubard) Aubrév.*	Sén đất	MM				
Saururaceae	Họ Diếp cá					
<i>Houttuynia cordata</i> Thunb.	Diếp cá	Hm				
Scrophulariaceae	Họ Hoa mồm chó					
<i>Lindernia ciliata</i> Pennell	Mẫu thảo	Hm				
<i>Scoparia dulcis</i> L.	Cam thảo nam	Lp				
<i>Torenia violacea</i> (Azaola ex Blanco) Pennell	Tô liên	Hm				
Simaroubaceae	Họ Thanh thất					
<i>Ailanthus triphysa</i> (Dennst.) Alston*	Thanh thất	MM				
<i>Eurycoma longifolia</i> Jack*	Bách bệnh	MM				
Solanaceae	Họ Cà					
<i>Capsicum annuum</i> L.	Ớt	Na				
<i>Datura metel</i> L.	Cà độc dược	Na				
<i>Physalis angulata</i> L.	Tầm bót	Na				
<i>Solanum album</i> Lour.	Cà dại	Na				
<i>Solanum indicum</i> L.	Cà dại	Na				

SCIENTIFIC NAME	COMMON NAME	LF	RDB	RD-IUCN	RDBE	NOTE
	hoa tím					
<i>Solanum torvum</i> Sw.	Cà gai	Na				
<i>Solanum undatum</i> Poir.	Cà nhà	Na				
Sonneratiaceae	Họ Bần					
<i>Duabanga grandiflora</i> Walp.*	Phay	MM				
Staphyleaceae	Họ Côi					
<i>Turpinia cochinchinensis</i> (Lour.) Merr.	Khớp	MM				
<i>Turpinia indochinensis</i> Merr.*	Khớp đơn	MM				NSBE
<i>Turpinia montana</i> Kurz*	Khớp núi	MM				
Sterculiaceae	Họ Trôm					
<i>Abroma angulosa</i> Poir.	Tai mèo	MM				
<i>Brownlowia tabularis</i> Pierre*	Lò bo	MM				
<i>Byttneria petiolata</i> Cristobal	Quả gai lông Lp					NSBE
<i>Commersonia bartramia</i> (L.) Merr.	Thung gai	MM				
<i>Firmiana simplex</i> W.F. Wight*	Ngô đồng	MM				
<i>Helicteres angustifolia</i> L.	Thâu kén đực	Na				
<i>Helicteres hirsuta</i> Lour.	Thâu kén bà	Na				
<i>Heritiera littoralis</i> Aiton	Vôi cui	MM				
<i>Heritiera macrophylla</i> Wall. ex Voigt*	Vôi cui lá lớn	MM				
<i>Pterospermum angustifolium</i> Tardieu*	Mang lá hẹp	MM				
<i>Pterospermum heterophyllum</i> Hance*	Mang xanh	MM				
<i>Pterospermum jackianum</i> Wall.*	Mang tía	MM				NSBE
<i>Pterospermum lancaefolium</i> Roxb.*	Mang lá mác	MM				NSBE
<i>Pterospermum truncatolobatum</i> Gagnep.*	Mang lá cụt	MM				
<i>Sterculia gracilipes</i> Pierre*	Săng cuống nhỏ	MM				
<i>Sterculia lanceolata</i> Cav.*	Săng nhung	MM				
<i>Sterculia lissophylla</i> Pierre	Săng cuống dài	MM				
<i>Sterculia sp.*</i>	Săng	MM				
Styracaceae	Họ Bồ đề					
<i>Alniphyllum fortunei</i> Makino*	Bồ đề xanh	MM				NSBE
<i>Styrax tonkinensis</i> Craib ex Hartwich*	Bồ đề	MM				
Symplocaceae	Họ Dung					

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<i>Symplocos atriolivacea</i> Merr. & Chun ex H.L.	LiDung đen	MM				NSBE
<i>Symplocos cochinchinensis</i> (Lour.) S. Moore.*	Dung nam	MM				
<i>Symplocos cochinchinensis</i> (Lour.) S. Moore. var. <i>cochinchinensis</i> *	Dung nam	MM				NSBE
<i>Symplocos glauca</i> Koidz.*	Dung mỡ	MM				NSBE
<i>Symplocos laurina</i> Wall.*	Dung giấy	MM				
<i>Symplocos racemosa</i> Roxb.	Dung lông	MM				
Theaceae	Họ Chè					
<i>Adinandra annamensis</i> Gagnep.	Súm	MM				
<i>Adinandra integerrima</i> T. Anderson ex Dyer	Súm	MM				NSBE
<i>Camellia amplexicaulis</i> Cohen-Stuart*	Hải đường	MM				
<i>Camellia caudata</i> Wall.	Chè đuôi	MM				
<i>Camellia chrysantha</i> (Hu) Tuyama*	Chè đôi	MM				NSBE
<i>Camellia sinensis</i> Kuntze	Chè	MM				
<i>Eurya acuminata</i> DC.*	Súm	Na				
<i>Eurya japonica</i> Thunb.	Súm	Na				
<i>Eurya tonkinensis</i> Gagnep.*	Súm bắc bộ	Na				
<i>Pyrenaria jonquieriana</i> Pierre ex Laness.	Súm	MM				
<i>Schima superba</i> Gardn. & Champ.*	Vối thuốc	MM				
<i>Schima wallichii</i> Choisy*	Vối thuốc	MM				
Thymelaeaceae	Họ Trâm					
<i>Aquilaria crassna</i> Pierre ex Lecomte	Trâm hương	MM	EN	CR		E
<i>Wikstroemia indica</i> (L.) C.A. Mey.	Niết gió	Na				
Tiliaceae	Họ Đay					
<i>Colona thorelii</i> Burret	Bò an	MM				
<i>Grewia eriocarpa</i> Juss.	Cò ke	MM				
<i>Grewia hirsuta</i> Vahl	Cò ke lông	MM				
<i>Grewia paniculata</i> Roxb.*	Cò ke	MM				
<i>Triumfetta pseudocana</i> Sprague & Craib	Ké lông	Na				
Ulmaceae	Họ Du					
<i>Celtis sinensis</i> Pers.*	Sếu	MM				
<i>Gironniera cuspidata</i> Kurz	Ngát	MM				
<i>Gironniera mollissima</i> Gagnep.	Ngát lông	MM				NSBE
<i>Gironniera subaequalis</i> Planch.*	Ngát vàng	MM				
<i>Trema angustifolia</i> Blume	Hu lá hẹp	Na				NSBE

SCIENTIFIC NAME	COMMON NAME	LF	RDB	RD-IUCN	RDBE	NOTE
<i>Trema cannabina</i> Lour.	Hu đen	Na				
<i>Trema orientalis</i> (L.) Blume	Hu đay	MM				
<i>Trema politoria</i> Blume	Hu đay lông	Na				
Urticaceae	Họ Gai					
<i>Boehmeria clidemioides</i> Miq.	Gai núi	Na				NSBE
<i>Boehmeria nivea</i> (L.) Gaudich.	Gai	Na				
<i>Boehmeria tomentosa</i> Wedd.*	Gai lông	Na				NSBE
<i>Debregeasia squamata</i> King ex Hook*	Gai rừng	Na				NGBE
<i>Dendrocnide stimulans</i> (L.f.) Chew	Lá han	MM				
<i>Elatostema balansae</i> Gagnep.	Cao hùng	Na				
<i>Elatostema</i> sp.*	Cao hùng	Na				
<i>Gonostegia hirta</i> (Blume) Miq.	Bọ mấm lông	Na				
<i>Laportea violacea</i> Gagnep.	Han lá dài	MM				
<i>Oreocnide integrifolia</i> Miq.	Han lá nguyên	MM				
<i>Oreocnide tonkinensis</i> (Gagnep.) Merr. & Chun	Ná nang	Na				
<i>Pellionia repens</i> (Lour.) Merr.	Phu lệ bắc bộ	Th				
<i>Pouzolzia</i> sp.	Bọ mấm	Na				
<i>Pouzolzia zeylanica</i> (L.) Benn.	Bọ mấm	Na				
Verbenaceae	Họ Cỏ roi ngựa					
<i>Callicarpa albida</i> Blume	Tu hú	MM				
<i>Callicarpa arborea</i> Roxb.	Tu hú	MM				
<i>Callicarpa cana</i> L.	Nàng nàng	Na				
<i>Callicarpa dichotoma</i> Raeusch.*	Tu hú	Na				
<i>Callicarpa longifolia</i> Lam.	Tu hú lá dài	Na				NSBE
<i>Callicarpa macrophylla</i> Vahl*	Tu hú lá to	MM				NSBE
<i>Clerodendrum chinense</i> (Osb.) Mabb.	Mò trắng	Na				NSBE
<i>Clerodendrum colebrookianum</i> Walp.	Mò lông	Na				
<i>Clerodendrum cyrtophyllum</i> Turcz.	Mò núi	Na				
<i>Clerodendrum fortunatum</i> L.	Đắng cây	Na				
<i>Clerodendrum fragrans</i> Vent.	Mò thơm	Na				
<i>Clerodendrum japonicum</i> Sweet	Xích đồng nam	Na				
<i>Clerodendrum paniculatum</i> L.	Ngọc nữ	Na				

SCIENTIFIC NAME	COMMON NAME	LF	RDB	RD-IUCN	RDBE	NOTE
<i>Clerodendrum sp.</i>	Mò		Na			
<i>Clerodendrum tonkinense</i> Dop	Mò trắng		Na			NSBE
<i>Gmelina annamensis</i> Dop	Lõi thọ trung bộ	MM				
<i>Gmelina arborea</i> Roxb.*	Lõi thọ	MM				
<i>Premna balansae</i> Dop	Vọng cách	Na				NSBE
<i>Premna cambodiana</i> Dop	Vọng cách lá to	Na				
<i>Premna chevalieri</i> Dop	Vọng cách hoa vàng	Na				
<i>Stachytarpheta jamaicensis</i> (L.) J.Vahl	Cây đuôi chuột	Th				
<i>Verbena officinalis</i> L.	Cỏ roi ngựa	Ch				
<i>Vitex leptobotrys</i> Hallier f.	Đèn	MM				
<i>Vitex negundo</i> L.	Đèn lông	MM				
<i>Vitex quinata</i> Druce*	Đèn 5 lá	MM				
<i>Vitex trifolia</i> L.*	Đèn 3 lá	MM				
Violaceae	Họ Hoa tím					
<i>Viola inconspicua</i> Blume*	Hoa tím	MM				
Vitaceae	Họ Nho					
<i>Ampelopsis heterophylla</i> Blume	Nho dại	Lp				
<i>Cayratia japonica</i> (Thunb.) Gagnep.	Nho rừng	Lp				
<i>Cayratia trifolia</i> (L.) Domin	Dây hôi	Lp				
<i>Cissus modeccoides</i> Planch.	Chia vôi	Lp				
<i>Cissus trilobus</i> (Lour.) Merr.	Nho rừng	Lp				
<i>Parthenocissus heterophylla</i> Merr.	Dây chia vôi	Lp				
<i>Tetrastigma planicaule</i> Gagnep.	Dây thềm bếp	Lp				
<i>Tetrastigma sp.</i>	Thềm bếp	Lp				
<i>Tetrastigma strumarum</i> Gagnep.*	Dây quai bị	Lp				NSBE
<i>Vitis vinifera</i> L.	Nho	Lp				
Liliopsida	Lớp 1 lá mâm					
Acoraceae	Họ Thạch xương bò					
<i>Acorus gramineus</i> Sol.	Thạch xương bò	Cr				

SCIENTIFIC NAME	COMMON NAME	LF	RDB	RD-IUCN	RD BE	NOTE
Agavaceae	Họ Huyết dụ					
<i>Cordyline terminalis</i> (L.) Kunth	Huyết dụ	Na				
Alliaceae	Họ Hành					
<i>Allium chinense</i> G. Don	Kiệu	Cr				
<i>Allium fistulosum</i> L.	Hành	Cr				
<i>Allium odorum</i> L.	Hẹ	Cr				
<i>Allium sativum</i> L.	Tỏi	Cr				
Araceae	Họ Ráy					
<i>Acorus gramineus</i> Aiton	Thạnh xương bồ	Cr				R
<i>Aglaonema modestum</i> Schott ex Engl.	Vạn niên thanh	Cr				
<i>Alocasia macrorrhizos</i> (L.) G. Don	Ráy	Cr				
<i>Amorphophallus paeoniifolius</i> (Dennst.) Nicolson	Khoai nưa	Cr				
<i>Amorphophallus</i> sp.	Nưa	Cr				
<i>Colocasia esculenta</i> (L.) Schott	Khoai sọ	Cr				
<i>Colocasia gigantea</i> (Blume) Hook. f.	Dọc mùng	Cr				
<i>Colocasia macrorhiza</i> (L.) G. Don*	Ráy	Lp				
<i>Epipremnum giganteum</i> Schott	Ráy leo	Lp				
<i>Homalomena occulta</i> Schott	Thiên niên kiện	Cr				
<i>Pothos chinensis</i> (Raf.) Merr.	Cơ lênh	Lp				
<i>Pothos grandis</i> Buch.	Cơ lênh lá lớn	Lp				
<i>Pothos repens</i> Druce	Chân rết	Ep				
<i>Pothos</i> sp.	Ráy leo	Ep				
Areaceae	Họ Cau					
<i>Areca catechu</i> L.	Cau	MM				
<i>Arenga pinnata</i> Merr.*	Búng báng	Na				
<i>Calamus balansaeanus</i> Becc.*	Mây nước	Lp				NSBE
<i>Calamus faberi</i> Becc.	Mây thủ công	Lp				
<i>Calamus platyacanthus</i> Warb. ex Becc.*	Song mật	Lp	V			R
<i>Calamus salicifolius</i> Becc.	Mây lá liễu	Lp				
<i>Calamus</i> sp.	Mây	Lp				

SCIENTIFIC NAME	COMMON NAME	LF	RDB	RD-IUCN	RDBE	NOTE
<i>Calamus tenuis</i> Roxb.	Mây đàn	Lp				
<i>Calamus tetradactylus</i> Hance*	Mây mật	Lp				R
<i>Caryota mitis</i> Lour.*	Đùng đình	Na				
<i>Caryota urens</i> L.*	Đùng đình	Na				
<i>Cocos nucifera</i> L.	Dừa	MM				
<i>Daemonorops longispathus</i> Becc.	Hèo	Na				
<i>Licuala fatua</i> Becc.*	Lụi	Na				
<i>Livistona chinensis</i> R.Br.	Cọ	MM				
<i>Livistona saribus</i> Merr. ex A. Chev.	Cọ	MM				
<i>Rhapis excelsa</i> Henry ex Rehder	Lụi cao	Na				
<i>Rhapis humilis</i> Blume	Lụi đỏ	Na				
<i>Rhapis sp.*</i>	Lụi	Na				
Asparagaceae	Họ Tóc Tiên					
<i>Asparagus cochinchinensis</i> Merr.	Tóc tiên	Hm				
Bromeliaceae	Họ Dứa					
<i>Ananas comosus</i> (L.) Merr.	Dứa	Hm				
Cannaceae	Họ Chuối hoa					
<i>Canna edulis</i> Ker Gawl.	Dong riềng	Cr				
Commelinaceae	Họ Thài lài					
<i>Commelina communis</i> L.	Thài lài	Hm				
<i>Commelina diffusa</i> Burm.f.	Rau trai	Hm				
<i>Commelina paludosa</i> Blume	Trai	Hm				
<i>Dictyospermum montanum</i> Wight	Trai núi	Na				
<i>Floscopa scandens</i> Lour.	Đầu riu	Cr				
<i>Pollia secundiflora</i> (Blume) Bakh.f.	Lài	Cr				
<i>Tradescantia zebrina</i> Bosse	Thài lài tía	Hm				
<i>Zebrina sp.</i>	Thài lài	Cr				
Convallariaceae	Họ Cao cẳng					
<i>Ophiopogon dracaenoides</i> Hook.	Cao cẳng	Hm				
<i>Ophiopogon latifolius</i> L. Rodr.	Cao cẳng lá rộng	Hm				
<i>Ophiopogon longifolius</i> Decne.	Cao cẳng lá dài	Hm				
<i>Ophiopogon reptans</i> Hook.	Cao cẳng	Hm				

SCIENTIFIC NAME	COMMON NAME	LF	RDB	RD-IUCN	RDBE	NOTE
	lá hẹp					
<i>Ophiopogon sp.</i>	Cao cẳng		Hm			
Costaceae	Họ Mía dò					
<i>Costus speciosus</i> Sm.	Mía dò		Cr			
<i>Costus tonkinensis</i> Gagnep.	Mía dò bắc		Cr			NSBE
Cyperaceae	Họ cói					
<i>Carex indica</i> L.	Kiệt ần độ		Hm			
<i>Carex sp.</i>	Kiệt		Hm			
<i>Cyperus cephalotes</i> Vahl	Kiệt		Hm			
<i>Cyperus diffusus</i> Vahl	Lác		Hm			
<i>Cyperus distans</i> L.f.	Cói		Hm			
<i>Cyperus exaltatus</i> Retz	Cói cao		Hm			
<i>Cyperus iria</i> L.	Cú rận		Hm			
<i>Cyperus pilosus</i> Vahl	Cói lông		Hm			
<i>Cyperus rotundus</i> L.*	Cỏ gấu		Cr			
<i>Cyperus sp.</i>	Cói		Ch			
<i>Cyperus trialatus</i> (Boeckeler) J. Kern	Cói ba cánh		Ch			
<i>Fimbristylis complanata</i> (Retz.) Link	Năn		Hm			
<i>Kyllinga monocephala</i> Rottb.	Cỏ bạc đầu		Cr			
<i>Kyllinga nemoralis</i> (Forst.) Dandy ex Hutch. & Dalziel	Cỏ bạc đầu		Cr			
<i>Scleria biflora</i> Roxb.	Cỏ cuống		Hm			
Dioscoreaceae	Họ Củ nâu					
<i>Dioscorea alata</i> L.	Khoai ngot		Cr			
<i>Dioscorea arachidna</i> Prain & Burkill	Từ lông		Cr			
<i>Dioscorea bulbifera</i> L.	Củ dại		Cr			
<i>Dioscorea cirrhosa</i> Lour.	Củ nâu		Cr			
<i>Dioscorea depauperata</i> Prain & Burkill	Khoai mài		Lp			
<i>Dioscorea glabra</i> Roxb.	Củ từ		Lp			
<i>Dioscorea persimilis</i> Prain & Burkill	Củ mài		Cr			
Dracaenaceae	Họ Bông bông					
<i>Dracaena cambodiana</i> Pierre ex Gagnep.*	Huyết giác		Na			
<i>Dracaena cochinchinensis</i> Hort. ex Baker*	Huyết giác		Na			
<i>Sansevieria hyacinthoides</i> (L.) Druce	Lưỡi hổ		Na			
Hydrocharitaceae	Họ Thủy					

SCIENTIFIC NAME	COMMON NAME	LF	RDB	RD-IUCN	RD BE	NOTE
	thảo					
<i>Hydrilla verticillata</i> (L.f.) Royle	Thuỷ thảo	Cr				
	Họ Sâm cau					
<i>Curculigo gracilis</i> Wall.	Sâm cau	Cr				
<i>Curculigo latifolia</i> Dryand.	Sâm cau lá rộng	Cr				
<i>Curculigo orchioides</i> Gaertn.	Sâm cau	Cr				
	Họ Loa ken					
<i>Dianella ensifolia</i> (L.) DC.	Hoa Loa ken	Hm				NGBE
<i>Lilium longiflorum</i> Thunb.	Hoa huệ	Hm				
	Họ Sâm đại hành					
<i>Belamcanda chinensis</i> DC.	Rê quạt	Cr				
<i>Eleutherine bulbosa</i> Urb.	Sâm đại hành	Cr				NGBE
	Họ Lá dong					
<i>Maranta arundinacea</i> L.	Khoai dong	Cr				
<i>Phrynium parviflorum</i> Roxb.	Dong	Cr				
<i>Phrynium placentarium</i> Merr.	Lá dong	Cr				
	Họ Chuối					
<i>Musa acuminata</i> Colla	Chuối rừng	Cr				
<i>Musa balbisiana</i> Colla	Chuối hột	Cr				
<i>Musa basjoo</i> Siebold	Chuối ngự	Cr				
<i>Musa paradisiaca</i> L.	Chuối tiêu	Cr				
	Họ Phong lan					
<i>Aerides falcata</i> Lindl. & Paxton	Giáng hương	Ep				
<i>Anoectochilus roxburghii</i> (Wall.) Lindl.	Kim tuyến	Cr	E			E
<i>Apotasia odorata</i> Blume	Lan lá hẹp	Ch				
<i>Appendicula</i> sp.	An lan	Ep				
<i>Bulbophyllum odoratissimum</i> Lindl.*	Cầu diệp thơm	Ep				
<i>Bulbophyllum</i> sp.	Lan	Ep				
<i>Calanthe herbacea</i> Lindl.*	Địa lan	Hm				
<i>Cymbidium lowianum</i> Reichb.f.	Phong Lan	Ep				
<i>Dendrobium aloideum</i> La Llave & Lex.	Hoàng thảo	Ep				
<i>Dendrobium</i> sp.*	Phong lan	Ep				

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<i>Eria pannea</i> Lindl.	Ni lan	Ep				NSBE
<i>Podochilus intermedius</i> Aver.*	Lan leo	Pp				
<i>Schoenorchis</i> sp.	Phong lan	Ep				
<i>Thrixspermum centipeda</i> Lour.	Lan xương cá	Ep				
<i>Thrixspermum</i> sp.	Lan	Ep				
Pandanaceae	Họ Dứa dại					
<i>Pandanus nanofrutex</i> B.S. Stone	Dứa bụi	Na				
<i>Pandanus tectorius</i> Parkinson	Dứa gỗ	Na				
<i>Pandanus tonkinensis</i> B.S. Stone	Dứa	Na				NSBE
Phormiaceae	Họ Hương bài					
<i>Dianella nemorosa</i> Lam.	Hương bài	Th				
Poaceae	Họ Lúa					
<i>Acroceras munroanum</i> (Balansa) Henrard	Cỏ lá tre	Ch				
<i>Arundinaria sat</i> Balansa	Sặt	Na				
<i>Axonopus compressus</i> (Sw.) P. Beauv.	Cỏ lá gừng	Hm				NGBE
<i>Bambusa blumeana</i> Schult.f.	Tre gai	MM				
<i>Bambusa flexuosa</i> Munro	Hóp gai	MM				
<i>Chloris barbata</i> Sw.	Cỏ mật	Th				NGBE
<i>Chrysopogon aciculatus</i> (Retz.) Trin.	Cỏ may	Hm				
<i>Coix lacryma-jobi</i> L.	Ý dĩ	Th				
<i>Cymbopogon caesius</i> (Hook. & Arn.) Stapf	Sả hôi	Hm				NGBE
<i>Cymbopogon citratus</i> Stapf	Sả	Ch				
<i>Cynodon dactylon</i> (L.) Pers.	Cỏ gà	Hm				
<i>Cyrtococcum patens</i> A. Camus	Cỏ lá tre	Hm				
<i>Dactyloctenium aegyptiacum</i> Willd.	Cỏ chân vịt	Th				
<i>Dendrocalamus asper</i> Backer ex K. Heyne	Bương	MM				
<i>Dendrocalamus barbatus</i> Hsueh & D.Z. Li	Luồng	MM				
<i>Dendrocalamus giganteus</i> Munro	Mai	MM				
<i>Digitaria adscendens</i> (Kunth) Henrard	Cỏ chỉ	Ch				
<i>Digitaria timorensis</i> (Kunth) Balansa	Cỏ chân nhện	Ch				
<i>Echinochloa crus-galli</i> (L.) P. Beauv.	Cỏ lồng vực	Ch				
<i>Eleusine indica</i> (L.) Gaertn.	Cỏ màn trâu	Th				

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<i>Eriachne pallescens</i> R.Br.	Cỏ chỉ	Hm				NGBE
<i>Eriochloa procera</i> (Retz.) C.E. Hubb.	Cỏ mật	Hm				
<i>Imperata cylindrica</i> L.P. Beauv.	Cỏ tranh	Cr				
<i>Indosasa angustata</i> McClure*	Vầu đắng	MM				
<i>Indosasa sinica</i> C.D. Chu & C.S. Chao*	Vầu ngọt	MM				
<i>Isachne miliacea</i> Roth.	Cỏ nghê	Ch				NGBE
<i>Microstegium ciliatum</i> A. Camus	Cỏ rác lông	Hm				
<i>Microstegium vagans</i> (Nees ex Steud.) A. Camus	Cỏ rác	Hm				
<i>Miscanthus floridulus</i> Warb. ex K. Schum. & Lauterb.	Lách	Hm				
<i>Neyraudia reynaudina</i> (Kunth) Keng ex Hitchcock	Sậy khô	Hm				
<i>Oplismenus compositus</i> (L.) P. Beauv.	Cỏ lá tre	Ch				
<i>Oryza sativa</i> L.	Lúa nước	Th				
<i>Panicum amoenum</i> Balansa	Cỏ gừng	Hm				
<i>Panicum miliaceum</i> L.	Kê	Th				
<i>Panicum sarmentosum</i> Roxb.	Cỏ giác	Ch				
<i>Paspalum conjugatum</i> Berg.	Cỏ giác	Ch				
<i>Paspalum scrobiculatum</i> L.	Cỏ đắng	Th				
<i>Paspalum sp.</i>	Cỏ giác	Ch				
<i>Pennisetum sp.</i>	Cỏ	Th				
<i>Phacelurus sp.</i>	Cỏ	Ch				
<i>Phragmites karka</i> (Retz.) Steud.	Sậy	Cr				
<i>Pogonatherum crinitum</i> Kunth	Cỏ lông lợn	Hm				
<i>Saccharum arundinaceum</i> Retz.	Lau	Ch				
<i>Saccharum officinarum</i> L.	Mía	Ch				
<i>Saccharum spontaneum</i> L.	Lách	Hm				
<i>Schizostachyum funghomii</i> McClure*	Nứa	MM				
<i>Setaria palmifolia</i> Stapf	Cỏ lá dứa	Cr				
<i>Sinarundinaria griffithiana</i> (Munro) C.S. Chao & Renvoize	Sặt gai	Ch				
<i>Themeda caudata</i> Hack.	Cỏ phao	Ch				
<i>Thysanolaena maxima</i> Kuntze	Chít	Hm				
<i>Vetiveria sp.</i>	Cỏ	Cr				
<i>Zea mays</i> L.	Ngô	Th				
Smilacaceae	Họ Kim					

SCIENTIFIC NAME	COMMON NAME	LF	RDB	RD-IUCN	RDBE	NOTE
	cang					
<i>Heterosmilax chinensis</i> Wang	Kim Cang	Cr				NSBE
<i>Heterosmilax gaudichaudiana</i> A.DC.	Thổ phục linh	Lp				
<i>Smilax bauhinioides</i> Kunth	Kim Cang lá tròn	Lp				
<i>Smilax china</i> L.	Khúc khắc trung hoa	Lp				
<i>Smilax corbularia</i> Kunth*	Kim Cang bạc	Cr				
<i>Smilax elegantissima</i> Gagnep.	Kim Cang	Cr	V			DD
<i>Smilax ferox</i> Wall. ex Kunth	Cầm Cang gai	Cr				
<i>Smilax glabra</i> Roxb.	Thổ phục linh	Cr				T
<i>Smilax lanceifolia</i> Roxb.*	Kim Cang lá thuôn	Cr				
<i>Smilax ovalifolia</i> Roxb.	Kim Cang lá to	Lp				
<i>Smilax perfoliata</i> Lour.*	Kim Cang	Cr				
<i>Smilax poilanei</i> Gagnep.	Kim Cang	Cr	CR			DD
<i>Smilax sp.*</i>	Kim Cang núi	Lp				
Stemonaceae	Họ Bách bộ					
<i>Stemona tuberosa</i> Lour.	Bách bộ	Cr				
Tacaceae	Họ Râu hùm					
<i>Tacca chantrieri</i> André	Râu hùm	Cr				
Zingiberaceae	Họ Gừng					
<i>Alpinia galanga</i> Willd.	Riềng nếp	Cr				
<i>Alpinia officinarum</i> Hance	Riềng dai	Cr				
<i>Alpinia sp.</i>	Riềng rừng	Cr				
<i>Alpinia zerumbet</i> (Pers.) B.L. Burtt & R.M. Sm.	Riềng	Cr				
<i>Amomum echinosphaera</i> K. Schum.	Sa nhân	Cr				
<i>Amomum villosum</i> Lour.	Sa nhân	Cr				
<i>Curcuma domestica</i> Valetton	Nghệ	Cr				
<i>Curcuma longa</i> L.	Nghệ	Cr				

<i>Curcuma zedoaria</i> Rosc.	Nghê đen	Cr
<i>Zingiber eberhardtii</i> Gagnep.	Gùng rùng	Cr
<i>Zingiber officinale</i> Rosc.	Gùng	Cr
<i>Zingiber zerumbet</i> (L.) Sm.	Gùng gió	Cr

Addendum: Species recorded for Ben En National Park by Anonymous (2000) and Tordoff et al. (2000), but not found in our 2005 - 2007 survey are listed below. Since no herbarium vouchers of the earlier surveys could be consulted, these additional species should be considered tentative. We have not checked the names for nomen-clatural precision or current taxonomic status.

LYCOPODIOPHYTA: Selaginellaceae (*Selaginella* sp., *S. sp1*).

POLYPODIOPHYTA: Adiantaceae (*Dryopteris concolor*, *Hemionitis arifolia*, *Onychium lucidum*, *Stenochlaena palustris*, *Syngamma alismifolia*, *Taenitis blechnoides*); Angiopteridaceae (*Angiopteris evecta*); Aspleniaceae (*Asplenium ensiforme*, *Diplazium christii*, *Diplazium esculentum*); Denstaedtiaceae (*Stenoloma chusanum*); Dryopteridaceae (*Tectaria polymorpha*, *T. subpedata*, *T. subtriphyllo*); Gleicheniaceae (*Diplopterygium laevissimum*); Hymenophyllaceae (*Crepidomanes* sp.); Lindsaeaceae* (*Lindsaea ensifolia*, *L. orbiculata*); Marsileaceae (*Marsilea minuta*); Polypodiaceae (*Pyrrosia piloselloides*); Pteridaceae (*Pteris cadieri*, *Pteris deltodon*, *P. tripartita*); Salviniaceae (*Salvinia cucullata*); Schizaeaceae (*Lygodium microstachyum*, *L. polystachyum*); Sinopteridaceae (*Sinopteris* sp.); Vittariaceae (*Vittaria elongata*);

MAGNOLIOPHYTA - MAGNOLIOPSIDA: Acanthaceae (*Thunbergia grandiflora*); Annonaceae (*Uvaria purpurea*); Apocynaceae (*Rauvolfia cambodiana*, *R. indica*, *Winchia calophylla*, *Xylinabariopsis napeensis*); Asteraceae (*Centipeda minima*, *Gerbera jamesonii*, *Grangea maderaspatana*, *Tithonia diversifolia*, *Vernonia paludosa*); Begoniaceae (*Begonia balansaeana*, *B. rupicola*); Bignoniaceae (*Campsis grandifolia*, *Radermachera alata*); Boraginaceae (*Cordia myxa*); Cactaceae (*Opuntia ficus-indica*); Capparaceae (*Capparis grandis*); Caryophyllaceae* (*Drymaria cordata*; *Policarpon porostratum*); Celastraceae (*Euonymus aculeatus*, *E. mitratus*, *Salacia cochinchinensis*); Chenopodiaceae (*Chenopodium ambrosioides*); Chloranthaceae (*Chloranthus japonicus*); Clusiaceae (*Calophyllum dryobalanoides*); Connaraceae (*Agelaea trinervis*; *Connarus paniculatus*, *Rourea harmandiana*); Convolvulaceae (*Ipomoea bonii*, *I. heterifolia*, *I. involucre*, *I. triloba*, *Merremia hederacea*, *M. vitifolia*, *Neuropeltis racemosa*, *Operculina turpethum*); Cornaceae* (*Cornus tonkinensis*, *Mastixia arborea*); Cucurbitaceae (*Actinostemma tenerum*, *Cucurbita pepo*, *Trichosanthes tricuspidata*, *Zehneria maysorensis*); Dilleniaceae (*Tetracera loureiroi*); Ebenaceae (*Diospyros bangoiensis*, *Diospyros susarticulata*); Elaeocarpaceae (*Elaeocarpus stipularis*); Elatinaceae* (*Bergia ammannioides*, *Elatine ambigua*); Euphorbiaceae (*Acalypha siamensis*, *Cleistanthus myrianthus*, *Drypetes poilanei*, *Euphorbia ligularia*, *Glochidion zeylanicum*, *Macaranga tanarius*, *Mallotus mollissima*, *Pedilanthus tithymaloides*, *Phyllanthus clarkei*, *Sapium cochinchinensis*, *S. rotundifolium*, *S.*

sebiferum, *Sumbaviopsis albicans*, *Trewia nudiflora*, *Vernicia fordii*); Fabaceae (*Acacia megaladina*, *Aeschynomene indica*, *Arachis hypogaea*, *Butea monosperma*, *Cajanus cajan*, *Dalbergia, asamica*, *Desmodium styracifolium*, *D. zonatum*, *Mucuna bracteata*, *Neptunia oleracea*, *Saraca indica*); Fagaceae (*Lithocarpus finetii*); Flacourtiaceae (*Casearia membranacea*, *Scolopia chinensis*); Hernandiaceae* (*Illigera parviflora*, *I. trifolia*); Gentianaceae* (*Crawfordia sp.*); Lamiaceae (*Coleus scutellarioides*, *Pogostemon cablin*); Lardizabalaceae* (*Stautonia cavaleriana*); Lauraceae (*Beilschmiedia sphaerocarpa*, *Cinnamomum parthenoxylon*, *C. polyadelphum*, *Phoebe hainanensis*); Lythraceae (*Lagerstroemia floribunda*, *L. indica*); Malpighiaceae* (*Aspidopteryx henryi*, *A. tomentosa*, *Hiptage boniana*, *Malpighia coccigera*); Malvaceae (*Eriolaena candolei*); Melastomataceae (*Osbeckia thorelii*, *Phyllagathis setothesa*, *P. tonkinensis*, *Sonerilla rivularis*, *Vietsenia laxiflora*); Meliaceae (*Aglaia duperreana*, *Heynea trijuga*, *Swietenia macrophylla*); Menispermaceae (*Tinospora cripa*); Molluginaceae* (*Mollugo pentaphylla*); Moraceae (*Ficus altissima*, *F. elastica*, *F. retusa*, *Malaisia scandens*, *Morus australis*); Myristicaceae (*Horsfieldia prainii*, *Knema corticosa*); Myrsinaceae (*Ardisia gigantifolia*, *A. stenophylla*, *A. verbascifolia*); Myrtaceae (*Decaspermum parviflorum*, *Syzygium samarangense*, *S. tsoongii*); Nyctaginaceae (*Boerhavia diffusa*, *Mirabilis jalapa*); Oleaceae (*Jasminum lanceolarium*, *Ligustrum sinense*); Onagraceae (*Ludwigia hyssopyfolia*, *L. parennis*); Passifloraceae (*Adenia chevalieri*, *Passiflora quadrangularis*); Pedaliaceae* (*Sesamum orientale*); Piperaceae (*Piper pierrei*); Polygonaceae (*Rumex wallichii*); Primulaceae* (*Lysimachia decurrens*); Ranunculaceae (*Naravelia laurifolia*, *N. siamensis*, *N. zeylanica*); Rosaceae (*Eriobotrya bengalensis*, *Rubus pavifolius*); Rubiaceae (*Coffea arabica*, *Gardenia lucida*, *Lasianthus kamputensis*); Rutaceae (*Atalantia buxifolia*, *A. roxburghiana*, *Euodia triphylla*, *Micromelum minutum*); Sapindaceae (*Allophylus macrodontus*, *Arytera littoralis*, *Cardiospermum halicacabum*, *Nephelium melliferum*); Sapotaceae (*Planchonella annamensis*, *Sarcosperma kachinense*); Saururaceae (*Saururus sinensis*); Schisandraceae (*Kadsura coccinea*); Scrophulariaceae (*Angelonia goyazensis*, *A. aromatica*, *A. micrantha*, *Lindernia antipoda*, *L. pusilla*, *L. rueloides*, *L. tonkinensis*, *Microcarpaca minima*, *Torenia benthamiana*); Simaroubaceae (*Brucea javanica*); Solanaceae (*Solanum melongena*, *S. nigrum*, *S. virginianum*); Sterculiaceae (*Muntingia calabura*, *Sterculia lissophylla*, *S. tonkinensis*); Symplocaceae (*Symplocos adenophylla*); Theaceae (*Adinandra glischroloma*); Ulmaceae (*Gironniera yunnanensis*); Urticaceae (*Parietaria debilis*, *Procris frutescens*); Verbenaceae (*Premna chevalieri*, *P. serratifolia*, *Verbena hybrida*); Vitaceae (*Cissus javanica*, *C. quadrangulus*);

LILIOPSIDA: Acoraceae (*Acorus tatarinowi*, *A. verus*); Agavaceae* (*Agava americana*, *A. angustifolia*); Alismataceae* (*Alisma plantago*); Amaryllidaceae* (*Crinum asiaticum*, *C. giganteum*); Arecaceae (*Calamus poilanei*); Cannaceae (*Canna generalis*); Commelinaceae (*Zebrina pendula*); Cyperaceae (*Bulbostylis barbata*, *Cyperus compressus*); Dioscoreaceae (*Dioscorea esculenta*); Dracaenaceae (*Sansevieria cylindrica*, *S. trifasciata*); Eriocaulaceae* (*Eriocaulon bonii*, *E. miserum*); Flagellariaceae* (*Flagellaria indica*); Hemerocallidaceae (*Hemerocallis fulva*); Liliaceae (*Disporum calcaratum*); Orchidaceae (*Acriopsis javanica*, *Appendicula*

cornuta, *Bulbophyllum insulsum*, *Calanthe angusta*, *Ceratostylis tonkinensis*, *Cleisostoma paniculatum*, *C. rostratum*, *Corymborchis veratrifolia*, *Cymbidium aloifolium*, *Dendrobium anceps*, *D. fimbriatum*, *D. lindleyi*, *D. manii*, *D. podagraris*, *D. tortile*, *Habenaria ciliolaris*, *Paphiopedium gratixianum*, *P. villosum*, *Schoenorchis rosea*, *Spiranthes sinensis*, *Thrixspermum arachnites*, *Zeuxine bonii*); Pontederiaceae (*Eichhornia crassipes*, *Monchoria elata*, *M. hastata*).