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## Uses and conservation of plant diversity in Ben En National Park, Vietnam

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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 m<sup>3</sup> 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).

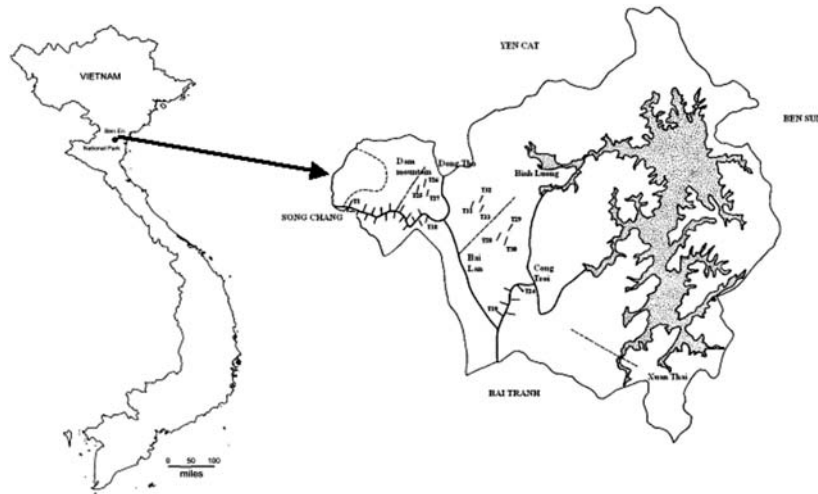


Fig. 2.1. Map of Ben En National Park in Vietnam (inset with plot transects - lakes are dotted).

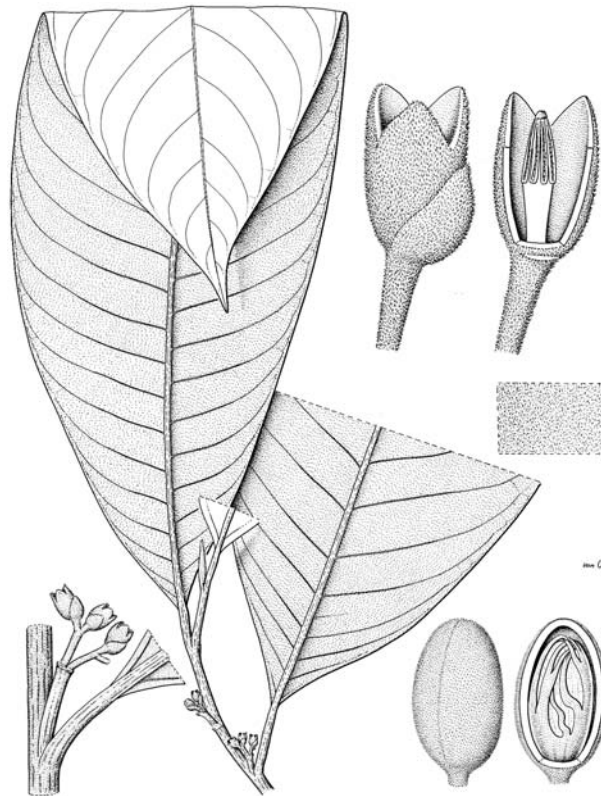


Fig. 2.2. *Myristica yunnanensis* Y.H. Li (Myristicaceae).  
A new record for the flora of Vietnam.

## 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).

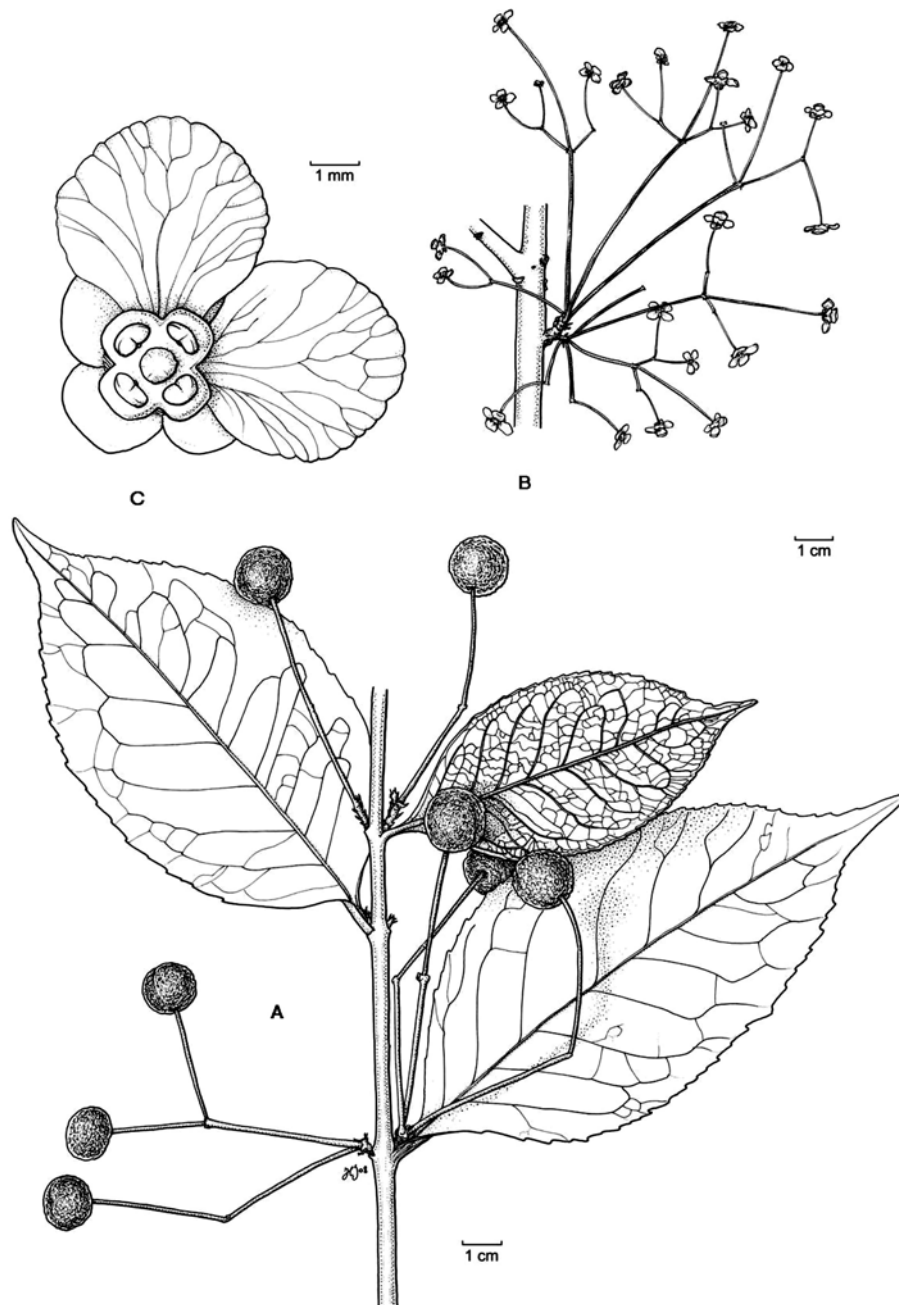


Fig. 2.3. *Glyptopetalum sclerocarpum* (Kurz) M.A Lawson (Celastraceae).  
A new record for flora of Vietnam.

### 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*, *Koilodepas longifolium*, *Hydnocarpus antheimintica*, 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.

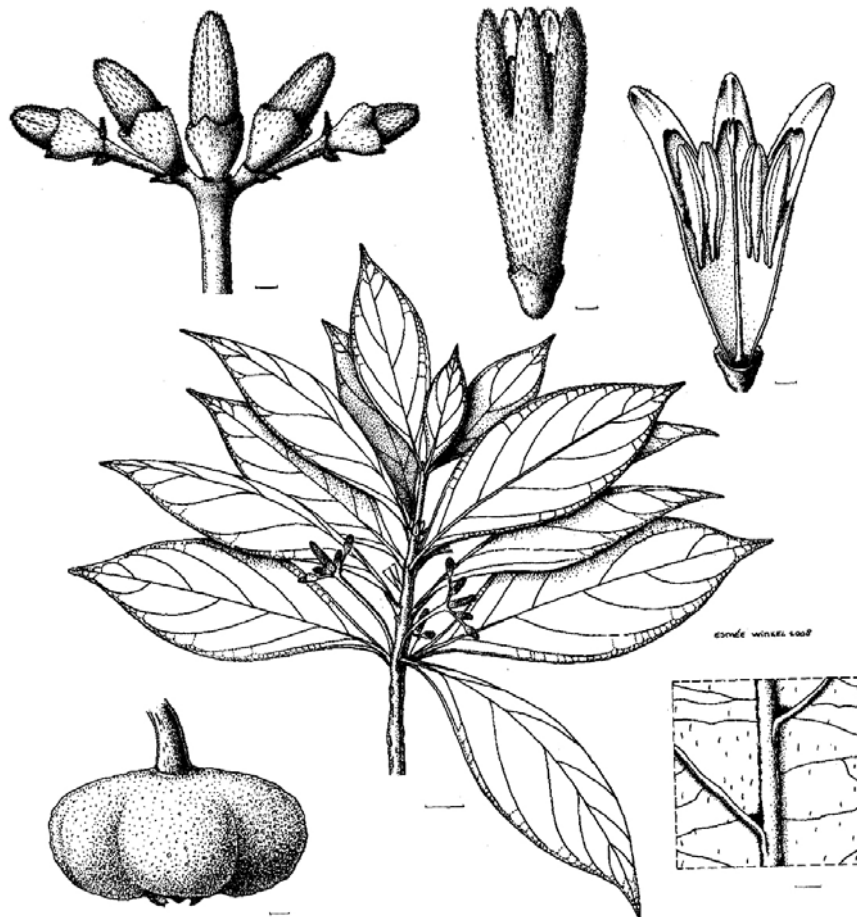


Fig. 2.4. *Timonius arborea* Elmer (Rubiaceae). A new record for flora of Vietnam.

#### 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 |
|--|-------------------------------------|----|-----|---------|------|------|
| <b>Psilotophyta</b>                                  | <b>Ngành<br/>Quyết<br/>lá thông</b> |    |     |         |      |      |
| <b>Psilotaceae</b>                                   | <b>Họ Quyết<br/>lá thông</b>        |    |     |         |      |      |
| <i>Psilotum nudum</i> (L.) Beauv.*                   | Quyết lá<br>thông                   | Ch |     |         |      |      |
| <b>Lycopodiophyta</b>                                | <b>Ngành<br/>Thông đất</b>          |    |     |         |      |      |
| <b>Lycopodiaceae</b>                                 | <b>Họ<br/>Thông đất</b>             |    |     |         |      |      |
| <i>Huperzia carinata</i> (Desv.) Trevis.             | Thông đất                           | Ch |     |         |      |      |
| <i>Lycopodiella cernua</i> (L.) Pic.Serm.            | Thông đất                           | Ch |     |         |      |      |
| <b>Selaginellaceae</b>                               | <b>Họ Quyển<br/>bá</b>              |    |     |         |      |      |
| <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 |     |         |      |      |
| <b>Equisetophyta</b>                                 | <b>Ngành Cỏ<br/>quần bút</b>        |    |     |         |      |      |
| <b>Equisetaceae</b>                                  | <b>Họ Mộc tặc</b>                   |    |     |         |      |      |
| <i>Equisetum diffusum</i> D. Don*                    | Cỏ quần<br>bút lan                  | Hm |     |         |      |      |
| <b>Polypodiophyta</b>                                | <b>Ngành<br/>Dương xỉ</b>           |    |     |         |      |      |
| <b>Adiantaceae</b>                                   | <b>Họ Tóc<br/>thần vệ nữ</b>        |    |     |         |      |      |
| <i>Adiantum capillus-veneris</i> L.*                 | Tóc thần<br>vệ nữ                   | Hm |     |         |      |      |

| SCIENTIFIC NAME                                | COMMON NAME             | LF | RDB | RD-IUCN | RD BE | NOTE |
|--|-------------------------|----|-----|---------|-------|------|
| <i>Adiantum caudatum</i> L.                    | Tóc thần<br>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<br>nguyệt xi       |    |     |         | Ch    |      |
| <i>Cheilanthes</i> sp.                         | Thần mô                 |    |     |         | Hm    |      |
| <i>Cheilanthes tenuifolia</i> (Burm. f.) Sw.   | Thần mô                 |    |     |         | Hm    |      |
| <b>Angiopteridaceae</b>                        | <b>Họ Quan âm</b>       |    |     |         |       |      |
| <i>Angiopteris evecta</i> (Forst.) Hoffm.      | Toà sen                 |    |     |         | Na    |      |
| <b>Aspleniaceae</b>                            | <b>Họ Tổ chim</b>       |    |     |         |       |      |
| <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<br>thường       |    |     |         | Ep    |      |
| <i>Asplenium obscurum</i> Blume                | Ráng                    |    |     |         | Hm    |      |
| <i>Asplenium thunbergii</i> Kuntze*            | Tổ điều                 |    |     |         | Hm    |      |
| <b>Azollaceae</b>                              | <b>Họ Bèo tai chuột</b> |    |     |         |       |      |
| <i>Azolla imbricata</i> (Roxb.) Nakai          | Bèo dậu                 |    |     |         | Cr    |      |
| <b>Blechnaceae</b>                             | <b>Họ Ráng lá dứa</b>   |    |     |         |       |      |
| <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 |
| <b>Cyatheaceae</b>                             | <b>Họ Dương xỉ mộc</b>  |    |     |         |       | NFBE |
| <i>Cyathea contaminans</i> (Hook.) Copel.*     | Dương xỉ<br>mộc         |    |     |         | MM    | NGBE |
| <b>Davalliaceae</b>                            | <b>Họ Vẩy lợp</b>       |    |     |         |       |      |
| <i>Davallia denticulata</i> (Burm.) Mett.      | Ráng đà                 |    |     |         | Cr    |      |
| <i>Davallia divaricata</i> Blume*              | Ráng đà<br>hoa toả      |    |     |         | Cr    |      |
| <i>Davallia repens</i> (L.f.) Kuhn             | Quyết âm<br>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 |     |         |      |      |
| <b>Dennstaedtiaceae</b>                             | <b>Họ Ráng<br/>đàn tiết</b>   |    |     |         |      |      |
| <i>Lindsaea odorata</i> Roxb.*                      | Quyết                         | Hm |     |         |      |      |
| <i>Microlepia trapeziformis</i> (Roxb.) Kuhn        | Quyết vảy                     | Hm |     |         |      | NSBE |
| <b>Dicksoniaceae</b>                                | <b>Họ Lông<br/>cu li</b>      |    |     |         |      |      |
| <i>Cibotium barometz</i> (L.) J. J. Sm.*            | Lông cu li                    | Ch |     |         |      | T    |
| <b>Dipteridaceae</b>                                | <b>Họ Song<br/>dực</b>        |    |     |         |      |      |
| <i>Dipteris chinensis</i> (Kaulf.) Reinw.           | Quyết quạt                    | Hm |     |         |      |      |
| <b>Dryopteridaceae</b>                              | <b>Họ Dương<br/>xỉ thường</b> |    |     |         |      |      |
| <i>Cyrtomium sp.</i>                                | Quán chúng                    | Cr |     |         |      |      |
| <i>Dryopteris subtriangularis</i> (Hope.) C.Chr*    | Dương xỉ                      | Hm |     |         |      |      |
| <i>Polystichopis chinensis</i> (Rosenst.) Holttum   | Quyết                         | Cr |     |         |      |      |
| <i>Tectaria decurrens</i> (C. Presl) Copel.         | Quyết ba<br>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 |     |         |      |      |
| <b>Gleicheniaceae</b>                               | <b>Họ Guột</b>                |    |     |         |      |      |
| <i>Dicranopteris linearis</i> (Burm.) Underw.       | Guột                          | Cr |     |         |      |      |
| <b>Hymenophyllaceae</b>                             | <b>Họ Lá<br/>màng</b>         |    |     |         |      |      |
| <i>Crepidomanes radicans</i> (Sw.) Copel.           | Quyết                         | Cr |     |         |      |      |
| <i>Trichomanes sp.*</i>                             | Quyết lông                    | Ep |     |         |      |      |
| <b>Lomariopsidaceae</b>                             | <b>Họ Ráng<br/>sưu xỉ</b>     |    |     |         |      |      |
| <i>Bolbitis heteroclita</i> (Presl) Ching ex C.Chr. | Ráng bích xỉ                  | Hm |     |         |      |      |
| <i>Piperopteris sp.</i>                             | Quyết nhung                   | Ch |     |         |      |      |
| <b>Marattiaceae</b>                                 | <b>Họ Quyết<br/>toà sen</b>   |    |     |         |      |      |
| <i>Angiopteris confertinervia</i> Ching             | Toà sen                       | Na |     |         |      | NSBE |
| <i>Angiopteris evecta</i> (G.Forst.) Hoffm.         | Quyết<br>toà sen              | Na |     |         |      |      |
| <b>Marsileaceae</b>                                 | <b>Họ Rau bọ</b>              |    |     |         |      |      |

| SCIENTIFIC NAME                                   | COMMON NAME             | LF                     | RDB | RD-IUCN | RD BE | NOTE   |
|---|-------------------------|------------------------|-----|---------|-------|--------|
| <i>Marsilea quadrifolia</i> L.                    | Rau bợ                  | Th                     |     |         |       |        |
| <b>Polypodiaceae</b>                              |                         | <b>Họ Dương xỉ</b>     |     |         |       |        |
| <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<br>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<br>lưỡi mác    | Ep                     |     |         |       |        |
| <i>Pyrrosia lingua</i> (Thunb.) Farw.             | Ráng                    | Ep                     |     |         |       |        |
| <b>Pteridaceae</b>                                |                         | <b>Họ Chân xỉ</b>      |     |         |       |        |
| <i>Pteris ensiformis</i> Burm. f.                 | Seo gà                  | Ep                     |     |         |       |        |
| <i>Pteris finotii</i> C. Chr.*                    | Ráng chân<br>xỉ         | Ch                     |     |         |       |        |
| <i>Pteris grevilleana</i> Wall.                   | Quyết đuôi<br>gà        | Hm                     |     |         |       |        |
| <i>Pteris longipes</i> D. Don*                    | Seo gà dài              | Cr                     |     |         |       |        |
| <i>Pteris multifida</i> Poir.                     | Seo gà<br>xẻ nhiều      | Ch                     |     |         |       |        |
| <i>Pteris sp.*</i>                                | Chân xỉ                 | Hm                     |     |         |       |        |
| <i>Pteris vittata</i> L.                          | Chân xỉ sọc             | Hm                     |     |         |       |        |
| <b>Schizaeaceae</b>                               |                         | <b>Họ Bông bong</b>    |     |         |       |        |
| <i>Lygodium conforme</i> C. Chr.*                 | Bông bong<br>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<br>lá nhỏ     | Lp                     |     |         |       |        |
| <i>Lygodium sp.*</i>                              | Bông bong               | Lp                     |     |         |       |        |
| <b>Thelypteridaceae</b>                           |                         | <b>Họ Ráng thu dực</b> |     |         |       |        |
| <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 |     |         |    |    |        |
| <b>Vittariaceae</b>                             | <b>Họ Ráng<br/>lưỡi beo</b> |    |     |         |    |    |        |
| <i>Antrophyum annamensis</i> C. Chr. & Tardieu  | Lưỡi beo                    | Ep |     |         |    |    |        |
| <b>Woodsiaceae</b>                              | <b>Ráng gỗ<br/>nhỏ</b>      |    |     |         |    |    | NFBE   |
| <i>Callipteris esculenta</i> J. Sm.*            | Rau dón                     | Lp |     |         |    |    | NGBE   |
| <i>Diplazium esculentum</i> (Retz.) Sw.         | Rau rón                     | Lp |     |         |    |    | NGBE   |
| <b>Pinophyta</b>                                | <b>Ngành<br/>thông</b>      |    |     |         |    |    |        |
| <b>Cycadaceae</b>                               | <b>Họ Tuế</b>               |    |     |         |    |    |        |
| <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      |
| <b>Gnetaceae</b>                                | <b>Họ Gắm</b>               |    |     |         |    |    |        |
| <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 |     |         |    |    |        |
| <b>Pinaceae</b>                                 | <b>Họ Thông</b>             |    |     |         |    |    |        |
| <i>Pinus massoniana</i> D. Don                  | Thông<br>đuôi ngựa          | MM |     |         |    |    |        |
| <i>Pinus merkusii</i> Jungh. & de Vriese        | Thông nhựa                  | MM |     |         |    |    |        |
| <b>Podocarpaceae</b>                            | <b>Họ Kim<br/>giao</b>      |    |     |         |    |    |        |
| <i>Nageia fleuryi</i> (Hickel) de Laub.         | Kim giao                    | MM |     |         |    |    | T      |
| <b>Magnoliophyta</b>                            | <b>Ngành<br/>Mộc lan</b>    |    |     |         |    |    |        |
| <b>Magnoliopsida</b>                            | <b>Lớp 2 lá<br/>mâm</b>     |    |     |         |    |    |        |
| <b>Acanthaceae</b>                              | <b>Họ Ô rô</b>              |    |     |         |    |    |        |
| <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 |     |         |       |      |
| <b>Aceraceae</b>                                 | <b>Họ Thích</b>    |    |     |         |       |      |
| <i>Acer decandrum</i> Merr.*                     | Thích lá<br>nguyên | MM |     |         |       |      |
| <i>Acer laevigatum</i> Wall.*                    | Thích              | MM |     |         |       | NSBE |
| <b>Alangiaceae</b>                               | <b>Họ Thôi ba</b>  |    |     |         |       |      |
| <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 |     |         |       |      |
| <b>Amaranthaceae</b>                             | <b>Họ Rau dền</b>  |    |     |         |       |      |
| <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 đại       | 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<br>nhật   | Ch |     |         |       | NGBE |
| <b>Anacardiaceae</b>                             | <b>Họ Xoài</b>     |    |     |         |       |      |
| <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 |
|---|-------------------|----|-----|---------|------|------|
| <b>Annonaceae</b>                               | <b>Họ Na</b>      |    |     |         |      |      |
| <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 |     |         |      |      |

| SCIENTIFIC NAME   | COMMON NAME            | LF | RDB | RD-IUCN | RD BE | NOTE |
|---|------------------------|----|-----|---------|-------|------|
| <i>Uvaria macrophylla</i> Roxb.                         | Dây dút<br>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 |     |         |       |      |
| <b>Apiaceae</b>   | <b>Họ Hoa tán</b>      |    |     |         |       |      |
| <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 |     |         |       |      |
| <b>Apocynaceae</b>                                      | <b>Họ Trúc<br/>đào</b> |    |     |         |       |      |
| <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<br>trắng       | Na |     |         |       | NSBE |
| <i>Kibatalia anceps</i> (Dunn & R. Williams)<br>Woodson | Dùi đôi                | Lp |     |         |       |      |
| <i>Kibatalia laurifolia</i> (Ridl.) Woodson             | Thần linh              | Na |     |         |       |      |
| <i>Kibatalia macrophylla</i> (Pierre) Woodson*          | Ớt sừng<br>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 |     |         |       |      |

| SCIENTIFIC NAME                               | COMMON NAME       | LF                 | RDB | RD-IUCN | RDBE | NOTE |
|---|-------------------|--------------------|-----|---------|------|------|
| <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.*     | Lòng mức trung bộ | MM                 |     |         |      |      |
| <i>Wrightia laevis</i> Hook. f.*              | Thùng mức tron    | MM                 |     | LR      |      |      |
| <i>Wrightia tomentosa</i> Roem. & Schult.*    | Mức lông          | MM                 |     |         |      |      |
| <b>Aquifoliaceae</b>                          |                   | <b>Họ Bùì</b>      |     |         |      |      |
| <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                 |     |         |      |      |
| <b>Araliaceae</b>                             |                   | <b>Họ Nhân sâm</b> |     |         |      |      |
| <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                 |     |         |      |      |
| <b>Asclepiadaceae</b>                         |                   | <b>Họ Thiên lý</b> |     |         |      |      |
| <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                 |     |         |      |      |

| SCIENTIFIC NAME                                 | COMMON NAME               | LF | RDB | RD-IUCN | RD BE | NOTE |
|---|---------------------------|----|-----|---------|-------|------|
| <i>Telosma cordata</i> Merr.                    | Hoa thiên lý              | Lp |     |         |       |      |
| <b>Asteraceae</b>                               | <b>Họ Cúc</b>             |    |     |         |       |      |
| <i>Ageratum conyzoides</i> L.                   | Cứt lợn                   | Hm |     |         |       |      |
| <i>Artemisia annua</i> L.                       | Thanh cao<br>hoa vàng     | Hm |     |         |       |      |
| <i>Artemisia japonica</i> Thunb.                | Ngải cứu<br>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<br>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<br>mềm           | Ch |     |         |       |      |
| <i>Elephantopus scaber</i> L.*                  | Cúc chi<br>thiên          | Hm |     |         |       |      |
| <i>Elephantopus spicatus</i> Aubl.*             | Cúc chi<br>thiên lông     | Hm |     |         |       |      |
| <i>Emilia sonchifolia</i> (L.) DC.              | Rau má<br>lá rau<br>muống | Hm |     |         |       |      |
| <i>Erechtites hieraciifolia</i> (L.) Raf. & DC. | Rau tàu<br>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 |     |         |       |      |

| SCIENTIFIC NAME                           | COMMON NAME             | LF | RDB | RD-IUCN | RD BE | NOTE |
|---|-------------------------|----|-----|---------|-------|------|
| <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 |     |         |       |      |
| <b>Balsaminaceae</b>                      | <b>Họ Bóng nước</b>     |    |     |         |       |      |
| <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 |     |         |       |      |
| <b>Basellaceae</b>                        | <b>Họ Mồng tơi</b>      |    |     |         |       |      |
| <i>Basella rubra</i> L.                   | Mồng tơi                | Th |     |         |       |      |
| <b>Begoniaceae</b>                        | <b>Họ Thu hải đường</b> |    |     |         |       |      |
| <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 |

| SCIENTIFIC NAME   | COMMON NAME            | LF | RDB | RD-IUCN | RDBE | NOTE |
|---|------------------------|----|-----|---------|------|------|
| <i>Begonia sp.</i>  | Hải đường              | Ch |     |         |      |      |
| <b>Betulaceae</b>   | <b>Họ Cánh lò</b>      |    |     |         |      | NFBE |
| <i>Betula alnoides</i> Buch.-Ham.                         | Cánh lò                | MM |     |         |      | NGBE |
| <b>Bignoniaceae</b>                                       | <b>Họ Núc nác</b>      |    |     |         |      |      |
| <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<br>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 |
| <b>Bombacaceae</b>  | <b>Họ Gạo</b>          |    |     |         |      |      |
| <i>Bombax ceiba</i> L.                                    | Bông gạo               | MM |     |         |      |      |
| <i>Gossampinus malabarica</i> Merr.                       | Gạo                    | MM |     |         |      |      |
| <b>Boraginaceae</b>                                       | <b>Họ Vòi voi</b>      |    |     |         |      |      |
| <i>Heliotropium indicum</i> L.                            | Vòi voi                | Hm |     |         |      |      |
| <b>Brassicaceae</b>                                       | <b>Họ Cải</b>          |    |     |         |      |      |
| <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 |     |         |      |      |
| <b>Buddlejaceae</b>                                       | <b>Họ Bọ chó</b>       |    |     |         |      |      |
| <i>Buddleja asiatica</i> Lour.                            | Bọ chó                 | Na |     |         |      |      |
| <b>Burseraceae</b>  | <b>Họ Trám</b>         |    |     |         |      |      |
| <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 |     |         |      |      |
| <b>Cactaceae</b>  | <b>Họ Long<br/>cốt</b> |    |     |         |      |      |
| <i>Epiphyllum oxypetalum</i> Haw.                         | Quỳnh                  | Ch |     |         |      |      |
| <b>Caesalpiniaceae</b>                                    | <b>Họ Vang</b>         |    |     |         |      |      |

| SCIENTIFIC NAME                             | COMMON NAME           | LF    | RDB | RD-IUCN | RD BE | NOTE |
|---|-----------------------|-------|-----|---------|-------|------|
| <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<br>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<br>núi        | Lp    |     |         |       |      |
| <i>Caesalpinia mimosoides</i> Lam.          | Muồng trinh<br>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.                | Vang                  | MM    |     |         |       | R    |
| <i>Cassia hirsuta</i> (L.) Irwin & Barneby  | Muồng hôi             | MM    |     |         |       |      |
| <i>Cassia mimosoides</i> L.                 | Muồng<br>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<br>minh    | Ch    |     |         |       |      |
| <i>Sindora tonkinensis</i> A. Chev.         | Gụ lau                | MM EN |     |         |       | E    |
| <i>Tamarindus indica</i> L.                 | Me                    | MM    |     |         |       | NGBE |
| <b>Capparaceae</b>                          | <b>Họ Mần<br/>màn</b> |       |     |         |       |      |
| <i>Capparis tonkinensis</i> Gagnep.         | Cáp                   | Lp    |     |         |       | NSBE |
| <i>Cleome gynandra</i> L.                   | Màn màn               | Ch    |     |         |       |      |



| SCIENTIFIC NAME                                       | COMMON NAME         | LF | RDB | RD-IUCN | RD BE | NOTE   |
|---|---------------------|----|-----|---------|-------|--------|
| <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 |     |         |       |        |
| <b>Caprifoliaceae</b>                                 | <b>Họ Kim ngân</b>  |    |     |         |       |        |
| <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 |     |         |       |        |
| <b>Caricaceae</b>                                     | <b>Họ Đu đủ</b>     |    |     |         |       |        |
| <i>Carica papaya</i> L.                               | Đu đủ               | Na |     |         |       |        |
| <b>Celastraceae</b>                                   | <b>Họ Chân danh</b> |    |     |         |       |        |
| <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 |     |         |       |        |
| <b>Chenopodiaceae</b>                                 | <b>Họ Rau muối</b>  |    |     |         |       |        |
| <i>Chenopodium ficifolium</i> Smith                   | Rau muối            | Th |     |         |       |        |
| <b>Chloranthaceae</b>                                 | <b>Họ Hoa sói</b>   |    |     |         |       |        |
| <i>Chloranthus erectus</i> (Benth. & Hook.f.) Verdc.  | Sói rừng            | Na |     |         |       |        |
| <b>Clusiaceae</b>                                     | <b>Họ Bứa</b>       |    |     |         |       |        |
| <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 |     |         |       |        |

| SCIENTIFIC NAME                                      | COMMON NAME          | LF | RDB | RD-IUCN | RDBE | NOTE |
|--|----------------------|----|-----|---------|------|------|
| <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</i> sp.                                  | Bứa                  | MM |     |         |      |      |
| <b>Combretaceae</b>                                  | <b>Họ Bàng</b>       |    |     |         |      |      |
| <i>Combretum catappa</i> L.                          | Bàng                 | MM |     |         |      |      |
| <i>Quisqualis indica</i> L.                          | Dây 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 |     |         |      |      |
| <b>Connaraceae</b>                                   | <b>Họ Dây khế</b>    |    |     |         |      |      |
| <i>Cnestis palala</i> Merr.                          | Dây khế              | Lp |     |         |      |      |
| <i>Rourea minor</i> Leenh.                           | Khế rừng             | Lp |     |         |      |      |
| <b>Convolvulaceae</b>                                | <b>Họ Bìm bìm</b>    |    |     |         |      |      |
| <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</i> sp.                                  | Bìm bìm              | Lp |     |         |      |      |
| <b>Crassulaceae</b>                                  | <b>Họ Thuốc bỏng</b> |    |     |         |      |      |
| <i>Kalanchoe integra</i> Kuntze                      | Thuốc bỏng           | Sp |     |         |      |      |
| <i>Kalanchoe pinnata</i> (Lam.) Pers.                | Thuốc bỏng           | Sp |     |         |      |      |
| <b>Cucurbitaceae</b>                                 | <b>Họ Bầu bí</b>     |    |     |         |      |      |
| <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</i> sp.                              | Dây loa              | Lp |     |         |      |      |
| <i>Gymnopetalum</i> sp.1                             | 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<br>bát           |    | Th  |         |       |      |
| <i>Trichosanthes cucumeroides</i> Maxim.*                | Dưa núi                   |    | Lp  |         |       |      |
| <i>Zehneria indica</i> (Lour.) M. Keraudren-<br>Aymonin* | Dưa chuột<br>dại          |    | Lp  |         |       |      |
| <b>Cuscutaceae</b>                                       | <b>Họ Tơ hồng</b>         |    |     |         |       |      |
| <i>Cuscuta chinensis</i> Lam.                            | Tơ hồng                   |    | Pp  |         |       |      |
| <b>Daphniphyllaceae</b>                                  | <b>Họ Giao<br/>phương</b> |    |     |         |       | NFBE |
| <i>Daphniphyllum calycinum</i> Benth.*                   | Giao phương               | MM |     |         |       | NGBE |
| <b>Datiscaceae</b>                                       | <b>Họ Đắng</b>            |    |     |         |       |      |
| <i>Tetrameles nudiflora</i> R.Br.                        | Đắng                      | MM |     |         |       |      |
| <b>Dilleniaceae</b>                                      | <b>Họ Sỏ</b>              |    |     |         |       |      |
| <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 |     |         |       |      |
| <b>Dipterocarpaceae</b>                                  | <b>Họ Dầu</b>             |    |     |         |       |      |
| <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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|---|------------------------|----|-----|---------|-------|------|
| <b>Ebenaceae</b>                                  | <b>Họ Thị</b>          |    |     |         |       |      |
| <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<br>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<br>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 |
| <b>Elaeagnaceae</b>                               | <b>Họ Nhót</b>         |    |     |         |       |      |
| <i>Elaeagnus bonii</i> Lecomte                    | Nhót                   | Lp |     |         |       |      |
| <i>Elaeagnus tonkinensis</i> Serv.                | Nhót nhà               | Lp |     |         |       |      |
| <b>Elaeocarpaceae</b>                             | <b>Họ Côm</b>          |    |     |         |       |      |
| <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<br>nam         | MM |     |         |       | NSBE |
| <i>Elaeocarpus petiolatus</i> (Jack) Wall.*       | Côm cuống<br>dài       | MM |     |         |       |      |
| <i>Elaeocarpus sylvestris</i> Poir.*              | Côm trâu               | MM |     |         |       |      |
| <i>Elaeocarpus varunua</i> Buch.-Ham.*            | Côm xanh               | MM |     |         |       | NSBE |
| <b>Ericaceae</b>                                  | <b>Họ Đỗ<br/>quỳn</b>  |    |     |         |       | 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 |
| <b>Euphorbiaceae</b>                              | <b>Họ Thào<br/>dầu</b> |    |     |         |       |      |
| <i>Acalypha hispida</i> Burm.f.                   | Tai tượng đỏ           | Na |     |         |       |      |
| <i>Actephila excelsa</i> (Dalzell) Müll.Arg.      | Da gà                  | Na |     |         |       |      |

| SCIENTIFIC NAME  | COMMON NAME      | LF | RDB | RD-IUCN | RD BE | NOTE |
|--|------------------|----|-----|---------|-------|------|
| <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 mò          | MM |     |         |       |      |
| <i>Antidesma ambiguum</i> Pax & K. Hoffm.                  | Chòi mò          | Na |     |         |       | NSBE |
| <i>Antidesma bunius</i> (L.) Spreng.*                      | Chòi mò bun      | MM |     |         |       |      |
| <i>Antidesma cochinchinense</i> Gagnep.*                   | Chòi mò          | MM |     |         |       | NSBE |
| <i>Antidesma fruticosum</i> Müll.Arg.                      | Chòi mò bụi      | Na |     |         |       | NSBE |
| <i>Antidesma fleuryi</i> Gagnep.*                          | Chòi mò          | MM |     |         |       | NSBE |
| <i>Antidesma hainanensis</i> Merr.*                        | Chòi mò hải nam  | MM |     |         |       | NSBE |
| <i>Antidesma microphyllum</i> Hemsl.                       | Chòi mò          | Na |     |         |       | NSBE |
| <i>Antidesma montanum</i> Blume*                           | Chòi mò núi      | MM |     |         |       | NSBE |
| <i>Antidesma scandens</i> Lour.*                           | Chòi mò đất      | MM |     |         |       | NSBE |
| <i>Antidesma sp.*</i>                                      | Chòi mò          | MM |     |         |       |      |
| <i>Antidesma sp.1*</i>                                     | Chòi mò          | Na |     |         |       |      |
| <i>Antidesma sp.2*</i>                                     | Chòi mò          | MM |     |         |       |      |
| <i>Antidesma tonkinensis</i> Gagnep.                       | Chòi mò bắc bộ   | MM |     |         |       | NSBE |
| <i>Antidesma velutinum</i> Tul.*                           | Chòi mò lông     | MM |     |         |       | NSBE |
| <i>Antidesma yunnanense</i> Pax & K. Hoffm.                | Chòi mò 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 |     |         |       |      |

| SCIENTIFIC NAME  | COMMON NAME        | LF | RDB | RD-IUCN | RDBE | NOTE |
|--|--------------------|----|-----|---------|------|------|
| <i>Breynia angustifolia</i> Hook.f.                                    | Bò cu vễ<br>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<br>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<br>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<br>nguyên    | Na |     |         |      |      |
| <i>Euphorbia thymifolia</i> L.   | Cỏ sữa lá<br>nhỏ   | Hm |     |         |      |      |
| <i>Euphorbia tirucalli</i> L.  | Xương khô          | Na |     |         |      |      |
| <i>Excoecaria cochinchinensis</i> Lour.*                               | Đơn xanh           | Na |     |         |      |      |
| <i>Excoecaria cochinchinensis</i> Lour. var.<br><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 |

| SCIENTIFIC NAME                                | COMMON NAME     | LF | RDB | RD-IUCN | RDBE | NOTE |
|--|-----------------|----|-----|---------|------|------|
| <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 | RD | BE | 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<br>la to     | Na |     |         |    |    |      |
| <i>Sauropus racemosus</i> Beille                | Rau ngót              | Na |     |         |    |    |      |
| <i>Sauropus rostratus</i> Miq.*                 | Ngót dai              | Na |     |         |    |    | NSBE |
| <i>Sauropus sp.</i>                             | Rau ngót dai          | 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 |     |         |    |    |      |
| <b>Fabaceae</b>                                 | <b>Họ Đậu</b>         |    |     |         |    |    |      |
| <i>Abrus pulchellus</i> Wall.                   | Cam thảo              | Lp |     |         |    |    | NSBE |
| <i>Abrus precatorius</i> L.                     | Cam thảo<br>dây       | Lp |     |         |    |    |      |
| <i>Bowringia callicarpa</i> Champ. ex Benth.    | Dây bánh<br>nem       | Lp |     |         |    |    |      |
| <i>Cajanus scarabaeoides</i> (L.) Thouars       | Đậu tương<br>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<br>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 |     |         |    |    |      |



| SCIENTIFIC NAME                             | COMMON NAME      | LF | RDB | RD-IUCN | RD BE | NOTE |
|---|------------------|----|-----|---------|-------|------|
| <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 |     |         |       |      |

| SCIENTIFIC NAME  | COMMON NAME       | LF | RDB | RD-IUCN | RDBE | NOTE |
|--|-------------------|----|-----|---------|------|------|
| <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<br>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 |     |         |      |      |
| <b>Fagaceae</b>  | <b>Họ Dẻ</b>      |    |     |         |      |      |
| <i>Castanopsis amamensis</i> Hance                               | Dẻ                | MM |     |         |      |      |
| <i>Castanopsis boisii</i> Hickel & A. Camus*                     | Dẻ bắc<br>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<br>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 |     |         |      |      |

| SCIENTIFIC NAME   | COMMON NAME               | LF | RDB | RD-IUCN | RDBE | NOTE |
|---|---------------------------|----|-----|---------|------|------|
| <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 cuông                  | MM | V   |         | R    | NSBE |
| <i>Quercus platycalyx</i> Hickel & A. Camus*            | Giẻ cau                   | MM | V   |         | R    |      |
| <i>Quercus sp.*</i>                                     | Sỏi                       | MM |     |         |      |      |
| <b>Flacourtiaceae</b>                                   | <b>Họ Bồ quân</b>         |    |     |         |      |      |
| <i>Casearia flexuosa</i> Craib                          | Thủ đào                   | MM |     |         |      |      |
| <i>Casearia velutina</i> Blume                          | Thủ đào<br>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<br>trắng        | MM |     |         |      | NSBE |
| <i>Hydnocarpus anthelmintica</i> Pierre*                | Khổng trắng               | MM |     |         |      |      |
| <i>Hydnocarpus hainanensis</i> (Merr.) Sleumer          | Nang trứng<br>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 |     |         |      |      |
| <b>Gesneriaceae</b>                                     | <b>Họ Thượng<br/>tiền</b> |    |     |         |      | NFBE |
| <i>Beccarinda tonkinensis</i> (Pellegr.)<br>B.L. Burtt* | Thượng tiền               | Ch |     |         |      | NGBE |
| <b>Hamamelidaceae</b>                                   | <b>Họ Sau sau</b>         |    |     |         |      |      |
| <i>Liquidambar formosana</i> Hance*                     | Sau Sau                   | MM |     |         |      |      |
| <i>Mytilaria laosensis</i> Lecomte                      | Sau sau Lào               | MM |     |         |      |      |
| <i>Symingtonia tonkinensis</i> (Lecomte)<br>Steenis     | Chấp tay                  | MM |     |         |      | DD   |
| <b>Hernandiaceae</b>                                    | <b>Họ Liên<br/>đẳng</b>   |    |     |         |      |      |
| <i>Illigera celebica</i> Miq.                           | Liên đẳng                 | Lp |     |         |      |      |
| <b>Hydrangeaceae</b>                                    | <b>Họ Thường<br/>son</b>  |    |     |         |      |      |
| <i>Dichroa febrifuga</i> Lour.*                         | Thường son                | Na |     |         |      |      |
| <i>Dichroa hirsuta</i> Gagnep.                          | Thường son<br>lông        | Na |     |         |      |      |
| <b>Icacinaceae</b>                                      | <b>Họ Thụ đào</b>         |    |     |         |      |      |
| <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<br>bắc bộ  | Na |     |         |      |      |
| <i>Nothapodytes</i> sp.                            | Gian thiếu        | Na |     |         |      |      |
| <b>Ixonanthaceae</b>                               | <b>Họ Hà nu</b>   |    |     |         |      |      |
| <i>Ixonanthes cochinchinensis</i> Pierre*          | Hà nu             | MM |     |         |      |      |
| <i>Ixonanthes reticulata</i> Jack                  | Hà nu             | MM |     |         |      | NSBE |
| <b>Juglandaceae</b>                                | <b>Họ Hồ đào</b>  |    |     |         |      |      |
| <i>Annamocarya sinensis</i> (Dode)<br>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 |     |         |      |      |
| <b>Lamiaceae</b>                                   | <b>Họ Hoa môi</b> |    |     |         |      |      |
| <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<br>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<br>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<br>dại  | Th |     |         |      | NGBE |
| <b>Lauraceae</b>                                   | <b>Họ Long</b>    |    |     |         |      |      |

| SCIENTIFIC NAME  | COMMON NAME    | LF | RDB | RD-IUCN | RDBE | NOTE |
|--|----------------|----|-----|---------|------|------|
|  | <b>não</b>     |    |     |         |      |      |
| <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<br>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<br>mác    | MM |     |         |       |      |
| <i>Litsea mollifolia</i> Chun*                      | Bời lời lông         | MM |     |         |       | NSBE |
| <i>Litsea monopetala</i> Pers.*                     | Bời bời<br>lá tròn   | MM |     |         |       |      |
| <i>Litsea pierrei</i> Lecomte*                      | Bời lời<br>lecom     | MM |     |         |       |      |
| <i>Litsea rotundifolia</i> Hemsl.*                  | Bời lời lá<br>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<br>vòng   | MM |     |         |       |      |
| <i>Litsea yunnanensis</i> Yang & P.H. Hoang         | Bời lời<br>vân nam   | MM |     |         |       | NSBE |
| <i>Machilus bonii</i> Lecomte*                      | Kháo vàng            | MM |     |         |       |      |
| <i>Machilus chinensis</i> Hemsl.*                   | Kháo trung<br>hoa    | MM |     |         |       |      |
| <i>Machilus grandifolia</i> S.K. Lee &<br>F.N. Wei* | Kháo lá lớn          | MM |     |         |       | NSBE |
| <i>Machilus hainanensis</i> Merr.                   | Kháo hải<br>nam      | MM |     |         |       |      |
| <i>Machilus odoratissimus</i> Nees*                 | Kháo thơm            | MM |     |         |       |      |
| <i>Machilus platycarpa</i> Chun*                    | Kháo cuống<br>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 sp.</i>                           | Kháo                | MM |     |         |       |        |
| <b>Leeaceae</b>                             | <b>Họ Gối hạc</b>   |    |     |         |       |        |
| <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 |     |         |       |        |
| <b>Lecythaceae</b>                          | <b>Họ Lộc vừng</b>  |    |     |         |       | NFBE   |
| <i>Barringtonia acutangula</i> (L.) Gaertn. | Lộc vừng            | MM |     |         |       | NGBE   |
| <b>Loganiaceae</b>                          | <b>Họ Mã tiền</b>   |    |     |         |       |        |
| <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     |
| <b>Loranthaceae</b>                         | <b>Họ Tầm gửi</b>   |    |     |         |       |        |
| <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 |     |         |       |        |
| <b>Lythraceae</b>                           | <b>Họ Bằng lăng</b> |    |     |         |       |        |
| <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   |
| <b>Magnoliaceae</b>                         | <b>Họ Mộc lan</b>   |    |     |         |       |        |
| <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 |     |         |       |        |

| SCIENTIFIC NAME                                    | COMMON NAME          | LF | RDB | RD-IUCN | RDBE | NOTE |
|--|----------------------|----|-----|---------|------|------|
| <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<br>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    |
| <b>Malvaceae</b>                                   | <b>Họ Bông</b>       |    |     |         |      |      |
| <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 |     |         |      |      |
| <b>Melastomataceae</b>                             | <b>Họ Mua</b>        |    |     |         |      |      |
| <i>Blastus cochinchinensis</i> Lour.*              | Mua rừng             | Na |     |         |      |      |
| <i>Medinilla assamica</i> (C.B. Clarke)<br>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 |     |         |      |      |
| <b>Meliaceae</b>                                   | <b>Họ Xoan</b>       |    |     |         |      |      |
| <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>Aglaiia spectabilis</i> (Miq.) S.S. Jain & Bennet* | Gội nếp                | MM | V   | LR      | T    |      |
| <i>Aglaiia sp.*</i>                                   | Gội                    | MM |     |         |      |      |
| <i>Aglaiia tomentosa</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 |
| <b>Menispermaceae</b>                                 | <b>Họ Tiết dê</b>      |    |     |         |      |      |
| <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<br>xương       | Lp |     |         |      |      |
| <b>Mimosaceae</b>                                     | <b>Họ Trinh<br/>nữ</b> |    |     |         |      |      |
| <i>Acacia auriculaeformis</i> A. Cunn. ex<br>Benth.   | Keo lá tràm            | MM |     |         |      |      |
| <i>Acacia confusa</i> Merr.                           | Đài loan<br>trương 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<br>trượng  | MM |     |         |      |      |
| <i>Acacia pennata</i> (L.) Willd.                       | Sống rấn           | Lp |     |         |      | NSBE |
| <i>Adenanthera microsperma</i> Teijsm. & Binn.*         | Muồng<br>Ràng Ràng | MM |     |         |      |      |
| <i>Albizia corniculata</i> (Lour.) Druce                | Sống rấn           | Na |     |         |      |      |
| <i>Albizia lucida</i> Benth. *                          | Bản xe             | MM |     |         |      | R    |
| <i>Archidendron balansae</i> (Oliver) I.C. Nielsen*     | Phân mã<br>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<br>thẹn   | Ch |     |         |      |      |
| <b>Moraceae</b>   | <b>Họ Dâu tằm</b>  |    |     |         |      |      |
| <i>Antiaris toxicaria</i> Lesch.*                       | Sui                | MM |     |         |      |      |
| <i>Artocarpus heterophyllus</i> Lam.                    | Mít                | MM |     |         |      |      |
| <i>Artocarpus styracifolius</i> Pierre                  | Chay lá<br>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 |     |         |       |      |
| <b>Myristicaceae</b>                           | <b>Họ Máu chó</b> |    |     |         |       |      |
| <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 |
| <b>Myrsinaceae</b>                             | <b>Họ Đơn nem</b> |    |     |         |       |      |
| <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 |     |         |      |      |
| <b>Myrtaceae</b>   | <b>Họ Sim</b>     |    |     |         |      |      |
| <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 |     |         |       |      |
| <b>Nyctaginaceae</b>                                     | <b>Họ Hoa giấy</b>    |    |     |         |       |      |
| <i>Bougainvillea spectabilis</i> Willd.                  | Hoa giấy              | Lp |     |         |       |      |
| <b>Ochnaceae</b>   | <b>Họ Mai vàng</b>    |    |     |         |       |      |
| <i>Ochna integerrima</i> (Lour.) Merr.*                  | Mai vàng              | MM |     |         |       |      |
| <b>Olacaceae</b>   | <b>Họ Rau bủ khai</b> |    |     |         |       |      |
| <i>Erythralium scandens</i> Blume                        | Bủ khai               | Lp |     |         |       |      |
| <b>Oleaceae</b>  | <b>Họ Nhài</b>        |    |     |         |       |      |
| <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 |     |         |       |      |
| <b>Onagraceae</b>  | <b>Họ Rau mương</b>   |    |     |         |       |      |
| <i>Ludwigia adscendens</i> (L.) H. Hara                  | Rau dừa nước          | Cr |     |         |       |      |
| <i>Ludwigia octovalvis</i> (Jacq.) P.H. Raven            | Rau mương             | Cr |     |         |       |      |
| <b>Opiliaceae</b>  | <b>Họ Rau sáng</b>    |    |     |         |       |      |
| <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    |
| <b>Oxalidaceae</b>                                  | <b>Họ Chua me</b>     |    |     |         |      |      |
| <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 |     |         |      |      |
| <b>Pandaceae</b>                                    | <b>Họ Chấn</b>        |    |     |         |      |      |
| <i>Microdesmis caseariaefolia</i> Planch. ex Hook.* | Chấn                  | MM |     |         |      |      |
| <b>Passifloraceae</b>                               | <b>Họ Lạc tiên</b>    |    |     |         |      |      |
| <i>Passiflora foetida</i> L.                        | Lạc tiên              | Lp |     |         |      |      |
| <b>Pentaphragmataceae</b>                           | <b>Họ Rau tai voi</b> |    |     |         |      |      |
| <i>Pentaphragma sinense</i> Hemsl. & E.H. Wilson    | Rau tai voi           | Hm |     |         |      |      |
| <b>Piperaceae</b>                                   | <b>Họ Hồ tiêu</b>     |    |     |         |      |      |
| <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 |     |         |      |      |
| <b>Plantaginaceae</b>                               | <b>Họ Mã đề</b>       |    |     |         |      |      |
| <i>Plantago asiatica</i> L.                         | Mã đề                 | Hm |     |         |      |      |
| <i>Plantago major</i> L.                            | Mã đề                 | Hm |     |         |      |      |
| <b>Polygalaceae</b>                                 | <b>Họ Viễn chí</b>    |    |     |         |      |      |
| <i>Polygala tonkinensis</i> Chodat                  | Viễn chí              | Na |     |         |      |      |
| <i>Xanthophyllum sp.</i>                            | Săng ót               | MM |     |         |      |      |
| <b>Polygonaceae</b>                                 | <b>Họ Rau răm</b>     |    |     |         |      |      |
| <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 |     |         |      |      |
| <b>Portulacaceae</b>                                | <b>Họ Rau sam</b>     |    |     |         |      |      |

| SCIENTIFIC NAME                                | COMMON NAME        | LF | RDB | RD-IUCN | RD BE | NOTE |
|--|--------------------|----|-----|---------|-------|------|
| <i>Portulaca grandiflora</i> Hook.             | Hoa mười giờ       |    | Th  |         |       |      |
| <i>Portulaca oleracea</i> L.                   | Rau sam            |    | Th  |         |       |      |
| <b>Proteaceae</b>                              | <b>Họ Quắn hoa</b> |    |     |         |       |      |
| <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 |     |         |       |      |
| <b>Ranunculaceae</b>                           | <b>Họ Mao cán</b>  |    |     |         |       |      |
| <i>Clematis buchaniana</i> DC.                 | Dây ông lão        | Lp |     |         |       |      |
| <b>Rhamnaceae</b>                              | <b>Họ Táo ta</b>   |    |     |         |       |      |
| <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 |     |         |       |      |
| <b>Rhizophoraceae</b>                          | <b>Họ Đước</b>     |    |     |         |       |      |
| <i>Carallia brachiata</i> (Lour.) Merr.*       | Trúc tiết          | MM |     |         |       |      |
| <i>Carallia lucida</i> Roxb.                   | Răng cá            | MM |     |         |       |      |
| <b>Rosaceae</b>                                | <b>Họ Hoa hồng</b> |    |     |         |       |      |
| <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 |     |         |       |      |

| SCIENTIFIC NAME                              | COMMON NAME      | LF | RDB | RD-IUCN | RDBE | NOTE |
|--|------------------|----|-----|---------|------|------|
| <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.          | Ngậy             | Lp |     |         |      |      |
| <i>Rubus leucanthus</i> Hance                | Mâm xôi          | Lp |     |         |      |      |
| <b>Rubiaceae</b>                             | <b>Họ Cà phê</b> |    |     |         |      |      |
| <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 |     |         |      |      |



| SCIENTIFIC NAME                              | COMMON NAME    | LF | RDB | RD-IUCN | RDBE | NOTE |
|--|----------------|----|-----|---------|------|------|
| <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 Bền 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 |

| SCIENTIFIC NAME                                      | COMMON NAME      | LF | RDB | RD-IUCN | RD BE | NOTE |
|--|------------------|----|-----|---------|-------|------|
| <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 |     |         |       |      |
| <b>Rutaceae</b>                                      | <b>Họ Cam</b>    |    |     |         |       |      |
| <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 xoọng        | Na |     |         |       |      |
| <i>Citrus aurantifolia</i> Swingle                   | Chanh            | Na |     |         |       |      |
| <i>Citrus grandis</i> Osbeck                         | Bưởi             | MM |     |         |       |      |
| <i>Citrus reticulata</i> Blanco                      | Quít             | 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 |     |         |       |      |
| <b>Sapindaceae</b>                                   | <b>Họ Bồ hòn</b> |    |     |         |       |      |
| <i>Allophylus cobbe</i> (L.) Blume*                  | Ngoại mộc        | MM |     |         |       |      |
| <i>Amesiodendron chinense</i> (Merr.) Hu*            | Trùng sâng       | MM |     | LR      |       | T    |

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|---|-----------------------|----|-----|---------|-------|------|
| <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 |     |         |       |      |
| <b>Sapotaceae</b>                                   | <b>Họ Hồng xiêm</b>   |    |     |         |       |      |
| <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 |     |         |       |      |
| <b>Saururaceae</b>                                  | <b>Họ Diếp cá</b>     |    |     |         |       |      |
| <i>Houttuynia cordata</i> Thunb.                    | Diếp cá               | Hm |     |         |       |      |
| <b>Scrophulariaceae</b>                             | <b>Họ Hoa mồm chó</b> |    |     |         |       |      |
| <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 |     |         |       |      |
| <b>Simaroubaceae</b>                                | <b>Họ Thanh thất</b>  |    |     |         |       |      |
| <i>Ailanthus triphysa</i> (Dennst.) Alston*         | Thanh thất            | MM |     |         |       |      |
| <i>Eurycoma longifolia</i> Jack*                    | Bách bệnh             | MM |     |         |       |      |
| <b>Solanaceae</b>                                   | <b>Họ Cà</b>          |    |     |         |       |      |
| <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 |     |         |      |      |
| <b>Sonneratiaceae</b>                         | <b>Họ Bần</b>   |    |     |         |      |      |
| <i>Duabanga grandiflora</i> Walp.*            | Phay            | MM |     |         |      |      |
| <b>Staphyleaceae</b>                          | <b>Họ Côi</b>   |    |     |         |      |      |
| <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 |     |         |      |      |
| <b>Sterculiaceae</b>                          | <b>Họ Trôm</b>  |    |     |         |      |      |
| <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 |     |         |      |      |
| <b>Styracaceae</b>                            | <b>Họ Bồ đề</b> |    |     |         |      |      |
| <i>Alniphyllum fortunei</i> Makino*           | Bồ đề xanh      | MM |     |         |      | NSBE |
| <i>Styrax tonkinensis</i> Craib ex Hartwich*  | Bồ đề           | MM |     |         |      |      |
| <b>Symplocaceae</b>                           | <b>Họ Dung</b>  |    |     |         |      |      |

| SCIENTIFIC NAME   | COMMON NAME    | LF | RDB | RD-IUCN | RD | BE | NOTE |
|---|----------------|----|-----|---------|----|----|------|
| <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.<br>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 |     |         |    |    |      |
| <b>Theaceae</b>   | <b>Họ Chè</b>  |    |     |         |    |    |      |
| <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 |     |         |    |    |      |
| <b>Thymelaeaceae</b>  | <b>Họ Trâm</b> |    |     |         |    |    |      |
| <i>Aquilaria crassna</i> Pierre ex Lecomte  | Trâm hương     | MM | EN  | CR      |    | E  |      |
| <i>Wikstroemia indica</i> (L.) C.A. Mey.  | Niết gió       | Na |     |         |    |    |      |
| <b>Tiliaceae</b>  | <b>Họ Đay</b>  |    |     |         |    |    |      |
| <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 |     |         |    |    |      |
| <b>Ulmaceae</b>   | <b>Họ Du</b>   |    |     |         |    |    |      |
| <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 |     |         |      |      |
| <b>Urticaceae</b>                                   | <b>Họ Gai</b>             |    |     |         |      |      |
| <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 hùg                   | Na |     |         |      |      |
| <i>Elatostema</i> sp.*                              | Cao hùg                   | Na |     |         |      |      |
| <i>Gonostegia hirta</i> (Blume) Miq.                | Bọ mắ<br>lông             | Na |     |         |      |      |
| <i>Laportea violacea</i> Gagnep.                    | Han lá dài                | MM |     |         |      |      |
| <i>Oreocnide integrifolia</i> Miq.                  | Han lá<br>nguyên          | MM |     |         |      |      |
| <i>Oreocnide tonkinensis</i> (Gagnep.) Merr. & Chun | Ná nang                   | Na |     |         |      |      |
| <i>Pellionia repens</i> (Lour.) Merr.               | Phu lậ<br>bắ<br>bộ        | Th |     |         |      |      |
| <i>Pouzolzia</i> sp.                                | Bọ mắ                     | Na |     |         |      |      |
| <i>Pouzolzia zeylanica</i> (L.) Benn.               | Bọ mắ                     | Na |     |         |      |      |
| <b>Verbenaceae</b>                                  | <b>Họ Cỏ<br/>roi ngựa</b> |    |     |         |      |      |
| <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.                   | Đắg cắy                   | Na |     |         |      |      |
| <i>Clerodendrum fragrans</i> Vent.                  | Mò thom                   | Na |     |         |      |      |
| <i>Clerodendrum japonicum</i> Sweet                 | Xích đòg<br>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<br>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<br>lá to           | Na |     |         |      |      |
| <i>Premna chevalieri</i> Dop                  | Vọng cách<br>hoa vàng        | Na |     |         |      |      |
| <i>Stachytarpheta jamaicensis</i> (L.) J.Vahl | Cây đuôi<br>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 |     |         |      |      |
| <b>Violaceae</b>                              | <b>Họ Hoa tím</b>            |    |     |         |      |      |
| <i>Viola inconspicua</i> Blume*               | Hoa tím                      | MM |     |         |      |      |
| <b>Vitaceae</b>                               | <b>Họ Nho</b>                |    |     |         |      |      |
| <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<br>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 |     |         |      |      |
| <b>Liliopsida</b>                             | <b>Lớp 1 lá<br/>mâm</b>      |    |     |         |      |      |
| <b>Acoraceae</b>                              | <b>Họ Thạch<br/>xương bò</b> |    |     |         |      |      |
| <i>Acorus gramineus</i> Sol.                  | Thạch<br>xương bò            | Cr |     |         |      |      |

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| <b>Agavaceae</b>                                       | <b>Họ Huyết dụ</b> |    |     |         |      |      |
| <i>Cordyline terminalis</i> (L.) Kunth                 | Huyết dụ           | Na |     |         |      |      |
| <b>Alliaceae</b>                                       | <b>Họ Hành</b>     |    |     |         |      |      |
| <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 |     |         |      |      |
| <b>Araceae</b>   | <b>Họ Ráy</b>      |    |     |         |      |      |
| <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 |     |         |      |      |
| <b>Areaceae</b>  | <b>Họ Cau</b>      |    |     |         |      |      |
| <i>Areca catechu</i> L.                                | Cau                | MM |     |         |      |      |
| <i>Arenga pinnata</i> Merr.*                           | Búng bóng          | 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 |     |         |      |      |
| <b>Asparagaceae</b>                        | <b>Họ Tóc Tiên</b>  |    |     |         |      |      |
| <i>Asparagus cochinchinensis</i> Merr.     | Tóc tiên            | Hm |     |         |      |      |
| <b>Bromeliaceae</b>                        | <b>Họ Dứa</b>       |    |     |         |      |      |
| <i>Ananas comosus</i> (L.) Merr.           | Dứa                 | Hm |     |         |      |      |
| <b>Cannaceae</b>                           | <b>Họ Chuối hoa</b> |    |     |         |      |      |
| <i>Canna edulis</i> Ker Gawl.              | Dong riềng          | Cr |     |         |      |      |
| <b>Commelinaceae</b>                       | <b>Họ Thài lài</b>  |    |     |         |      |      |
| <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 |     |         |      |      |
| <b>Convallariaceae</b>                     | <b>Họ Cao cẳng</b>  |    |     |         |      |      |
| <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 | RD BE | NOTE |
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|  | lá hẹp              |    |     |         |       |      |
| <i>Ophiopogon sp.</i>  | Cao cẳng            |    | Hm  |         |       |      |
| <b>Costaceae</b>   | <b>Họ Mía dò</b>    |    |     |         |       |      |
| <i>Costus speciosus</i> Sm.                                  | Mía dò              |    | Cr  |         |       |      |
| <i>Costus tonkinensis</i> Gagnep.                            | Mía dò bắc          |    | Cr  |         |       | NSBE |
| <b>Cyperaceae</b>  | <b>Họ cói</b>       |    |     |         |       |      |
| <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  |         |       |      |
| <b>Dioscoreaceae</b>   | <b>Họ Củ nâu</b>    |    |     |         |       |      |
| <i>Dioscorea alata</i> L.                                    | Khoai ngọt          |    | 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  |         |       |      |
| <b>Dracaenaceae</b>  | <b>Họ Bông bông</b> |    |     |         |       |      |
| <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  |         |       |      |
| <b>Hydrocharitaceae</b>                                      | <b>Họ Thủy</b>      |    |     |         |       |      |

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|  | <b>thảo</b>            |    |     |         |      |      |
| <i>Hydrilla verticillata</i> (L.f.) Royle      | Thuỷ thảo              | Cr |     |         |      |      |
|  | <b>Họ Sâm cau</b>      |    |     |         |      |      |
| <i>Curculigo gracilis</i> Wall.                | Sâm cau                | Cr |     |         |      |      |
| <i>Curculigo latifolia</i> Dryand.             | Sâm cau<br>lá rộng     | Cr |     |         |      |      |
| <i>Curculigo orchioides</i> Gaertn.            | Sâm cau                | Cr |     |         |      |      |
|  | <b>Họ Loa ken</b>      |    |     |         |      |      |
| <i>Dianella ensifolia</i> (L.) DC.             | Hoa Loa ken            | Hm |     |         |      | NGBE |
| <i>Lilium longiflorum</i> Thunb.               | Hoa huệ                | Hm |     |         |      |      |
|  | <b>Họ Sâm đại hành</b> |    |     |         |      |      |
| <i>Belamcanda chinensis</i> DC.                | Rê quạ                 | Cr |     |         |      |      |
| <i>Eleutherine bulbosa</i> Urb.                | Sâm đại hành           | Cr |     |         |      | NGBE |
|  | <b>Họ Lá dong</b>      |    |     |         |      |      |
| <i>Maranta arundinacea</i> L.                  | Khoai dong             | Cr |     |         |      |      |
| <i>Phrynium parviflorum</i> Roxb.              | Dong                   | Cr |     |         |      |      |
| <i>Phrynium placentarium</i> Merr.             | Lá dong                | Cr |     |         |      |      |
|  | <b>Họ Chuối</b>        |    |     |         |      |      |
| <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 |     |         |      |      |
|  | <b>Họ Phong lan</b>    |    |     |         |      |      |
| <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 |     |         |      |      |

| SCIENTIFIC NAME                                | COMMON NAME         | LF | RDB | RD-IUCN | RDBE | NOTE |
|--|---------------------|----|-----|---------|------|------|
| <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 |     |         |      |      |
| <b>Pandanaceae</b>                             | <b>Họ Dứa dại</b>   |    |     |         |      |      |
| <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 |
| <b>Phormiaceae</b>                             | <b>Họ Hương bài</b> |    |     |         |      |      |
| <i>Dianella nemorosa</i> Lam.                  | Hương bài           | Th |     |         |      |      |
| <b>Poaceae</b>                                 | <b>Họ Lúa</b>       |    |     |         |      |      |
| <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 |     |         |      |      |

| SCIENTIFIC NAME  | COMMON NAME   | LF | RDB | RD-IUCN | RD BE | NOTE |
|--|---------------|----|-----|---------|-------|------|
| <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.)<br>A. Camus            | Cỏ rác        | Hm |     |         |       |      |
| <i>Miscanthus floridulus</i> Warb. ex<br>K. Schum. & Lauterb.      | Lách          | Hm |     |         |       |      |
| <i>Neyraudia reynaudina</i> (Kunth) Keng ex<br>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<br>& Renvoize | Sậy 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 |     |         |       |      |
| <b>Smilacaceae</b>   | <b>Họ Kim</b> |    |     |         |       |      |

| SCIENTIFIC NAME                                       | COMMON NAME         | LF | RDB | RD-IUCN | RDBE | NOTE |
|---|---------------------|----|-----|---------|------|------|
|   | <b>cang</b>         |    |     |         |      |      |
| <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 |     |         |      |      |
| <b>Stemonaceae</b>                                    | <b>Họ Bách bộ</b>   |    |     |         |      |      |
| <i>Stemona tuberosa</i> Lour.                         | Bách bộ             | Cr |     |         |      |      |
| <b>Tacaceae</b>                                       | <b>Họ Râu hùm</b>   |    |     |         |      |      |
| <i>Tacca chantrieri</i> André                         | Râu hùm             | Cr |     |         |      |      |
| <b>Zingiberaceae</b>                                  | <b>Họ Gừng</b>      |    |     |         |      |      |
| <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 |

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**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 (*Rauwolfia 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*).