

Traditional knowledge of local people on medicinal plants in Pu Hu nature reserve, Vietnam

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Abstract

This paper is aimed at the conservation and development of medicinal plants in conservation and development of medicinal plants. These plants consist of 362 species, 113 families, 56 classes and 8 orders which belong to 6 phyla of all the parts of plants. Roots are mostly used for medicinal treatment with leaf, bark and fruit, used respectively. Medicinal plants are being used to treat 16 group of diseases. Among these medicinal plants, there are 14 species are listed in IUCN Red List 2018, 14 species in Vietnam Red List 2007 and 3 species in Decree 32 of the Vietnamese government. Due to supply being higher than demand, local people do not like to plant medicinal plants in the region. Because the women in Pu Hu nature reserve are mainly responsible for the health and care of their household, they have better knowledge on medicinal plant than men and are mainly engaged in collecting medicinal plants. Derived from the factors that affect the development of medicinal plants at Pu Hu Nature Reserve, a proposal of solutions include: management, technical solutions, social policies.

INTRODUCTION

From time immemorial, mankind has known to use medicine from plants to treat health problems. Medicinal plants are potential sources of new drugs and hold a great value for developing pharmaceutical products, phyto medicines, and dietary supplements (Hoang et al. 2008). About 80% of the world's population relies on traditional medicine, especially in remote areas in developing countries, medicinal plants may form the only available source of health care. (Van Andel 2000); (Hoang et al. 2008). Located in the belt of tropical monsoon, Vietnam has high biodiversity with approximate 11,000 species of vascular plants, so it plays an important role in medicinal source. (Chi 1997). Vietnam has 54 ethnic groups living together and they have their own traditional culture and experiences in the makeup and use of medicinal plants. However, Vietnam is also one of the countries with a high rate of deforestation. Forest resources will be destroyed including many medicinal plants. In addition, the old generations

pass away while the young generation demonstrate little interest in learning the methods to make medicine from medicinal plants and the rapidly development of modern medicine which lead to the traditions being lost day by day. Pu Hu Nature Reserve belongs to the Muong Lat and Quan Hoa districts and located in the North-west of Thanh Hoa province. The area contains many valuable medicinal herbs. Nevertheless, local exploitations of medicinal plants are directly narrowing off their distribution. This study focuses on the situation of traditional medicinal plants, local knowledge of medicinal plants and solutions for conservation and development of medicinal plants in Pu Hu Nature Reserve.

MATERIAL AND METHODS

A random sample of 100 households in 2 surrounded communes (Nam Tien commune belongs to Quan Hoa district and Trung Ly commune belongs to Muong Lat district) is selected in a survey.

The standard interviews contained specific questions on age, gender, and ethnic background of the gatherers and main users of plant products (Martin 1995). Additionally we used the 'walk-in-the-wood' method (Prance et al. 1987) to determine which products are harvested (for what purpose) in the forests surrounding the villages. These trips were also used to collect voucher specimens for reliable identification of the harvested plants. Special collecting trips were organized with indigenous experts, e.g., traditional doctors, village elders and other local people who knew about medicinal plants (Hoang et al 2008). Additionally, we also interviewing 20 staff members, who work in management at the board of Pu Hu nature reserve by using checklists to get information and data on the issues of Current population, living standard of local communes. Most information was confirmed by other informants. The information was also

checked and compared with the 'Vietnam medicinal plants' (Loi 1995), 'Dictionary of medicinal plants of Vietnam' (Chi 1996), and 'An illustrated Flora of Vietnam' (Ho 2000).

Medicinal plant species were identified by experts at the Vietnam National University of forestry. The specimens also double checked with specimens in herbarium VNF.

RESULTS

Current status of medicinal plants in Pu Hu nature reserve

Diversity of medicinal plants

A total of 362 medicinal plant species were found in Pu Hu Nature Reserve belonging to 113 families and 6 phyla. Most of the medicinal plant species in Pu Hu Nature Reserve are angiosperms, 3 species belong to the gymnosperms and 20 species are ferns (Table 1).

Table 1: Medicinal plants in Pu Hu Nature Reserve

Phylum	Class		Order		Family		Species	
	Quantity	(%)	Quantity	(%)	Quantity	(%)	Quantity	(%)
PSILOTOPHYTA	1	12.5	1	2	1	0.9	1	0.3
LYCOPODIOPHYTA	1	12.5	1	2	1	0.9	2	0.6
EQUISETOPHYTA	1	12.5	1	2	1	0.9	1	0.3
POLYPODIOPHYTA	2	25	6	11	13	11.5	20	5.5
PINOPHYTA	1	12.5	1	2	3	2.7	3	0.8
MAGNOLIOPHYTA	2	25	46	82	94	83.2	335	92.5
Total	8	100	56	100	113	100	362	100

Diversity of plant parts use

Different plant parts are used to treat different diseases: In some medicinal plant species the whole plant can be used, whereas for other species several components or only one component can be used for disease treatment.

Roots are the dominant used part (154 species). There were 140 species in which leaves were used as medicinal material. Barks and whole plant followed with medium amount of use with 70 and 88 species respectively. The amount using the fruit, seed, and stem was lower with 49 species, 38 species and 35 species respectively. Slightly lower was the amount using the flower (21 species) and branch (14 species). The least one was tuber part with only 7 species have this part used as medicinal material. The part used diversity is showed in Figure 1.

Habits of medicinal plants

The medicinal plants in Pu Hu Nature Reserve mainly belong to 4 habits including herb, shrub, vine and tree. The highest percentage is tree habit with 36%.with herb habit at 27%. With 24% the shrub habit followed in third and the last one is vine habit (13%). The difference in the amount among each habit is negligible.

Disease treated with medicinal plants

The traditional medicine has proved that a plant can be used to treat several diseases and a disease is only completely treated when using many species of plants. Following Vo Van Chi (1997), Do Tat Loi (2005), the usage of medicinal plants of Pu Hu nature reserve is divided based on groups of diseases as table below:

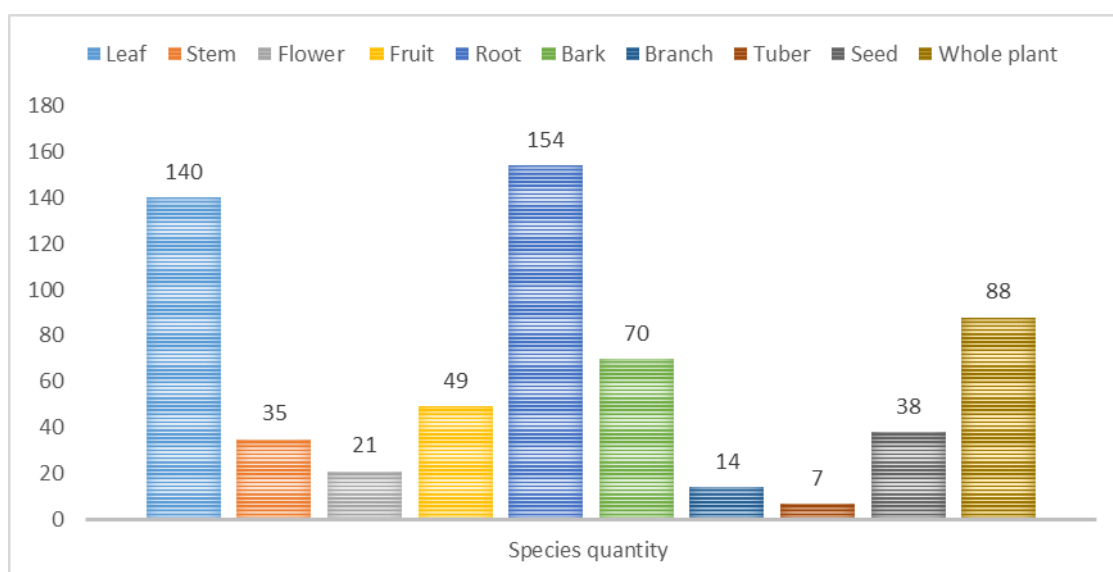


Figure 1: Diverse parts of medicinal plants in Pu Hu Nature Reserve

Table 2: Group of diseases treated with medicinal plants

No	Disease group	Quantity
1	Poisoning	106
2	Diseases caused by weather	92
3	Cutaneous diseases	68
4	Female diseases	44
5	Other	43
6	Respiratory diseases	40
7	Urinary diseases	36
8	Animal bites	32
9	Digestive diseases	24
10	Good for health	20
11	Dental diseases	20
12	Male diseases	15
13	Renal diseases	10
14	Gastric diseases	7
15	Eye diseases	7
16	Nerve diseases	6

The 362 medicinal plants are being used to treat 16 groups of diseases. Species are used to treat diseases about causes of poisoning which are dominant, and the last one are species which treat nerve diseases.

Threatened medicinal plants in Pu Hu Nature Reserve

According to the Vietnam Red List 2007, IUCN 2018 and Decree 32/2016 on management of forest flora and fauna endangered, rare and precious, 26 medicinal plant species which need

priority for conservation were determined in mountainous areas of Pu Hu nature reserve (Table 3)

Who is collecting medicinal plants

From interviewing households and key informants, it emerged that women collect medicinal plants more than men at almost every age level, especially in the age classes of over 50 years old. This indicates that women in Pu Hu nature reserve are mainly responsible for health care of their household, they have better knowledge on

medicinal plant than man and also mainly engaged in collecting medicinal plants. Young people are rarely engaged in collecting medicinal plants, especially do not have any young people younger than 16 years old collect medicinal plant in

the research area (table 4). This result also the same in Ben En national park (Hoang et al 2008). However, in Ben En National park local people younger than 16 years old still involve on collecting medicinal plant species.

Table 3: Threatened medicinal plants in Pu Hu Nature Reserve

No	Scientific name	Vietnamese name	Endangered level		
			IUCN 2018	Vietnam Red list 2007	Decree 32
1	<i>Drynaria bonii</i> H. Christ	Cốt toái bồ bon		VU	
2	<i>Drynaria fortunei</i> (Kuntze ex Mett.) J. Sm.	Cốt toái bồ		EN	
3	<i>Podocarpus neriifolius</i> D.Don.	Thông tre lá dài	LR		
4	<i>Cunninghamia lanceolata</i> (Lamb.) Hook. f.	Sa mu	LR		
5	<i>Paramichelia baillonii</i> (Pierre) S. Y. Hu	Giỏi xương		VU	
6	<i>Desmos cochinchinensis</i> Lour.	Dây hoa dợ			IIA
7	<i>Knema globularia</i> (Lamk.) Warb.	Máu chó cầu	LR		
8	<i>Cinnamomum parthenoxylon</i> (Jack) Meissn.	Vù hương	DD	CR	IIA
9	<i>Coscinium fenestratum</i> (Gaertn.) Colebr.	Vàng đắng		VU	IIA
10	<i>Dendrocide urientissima</i> (Gagnep.) Chew	Han voi	EN		
11	<i>Alternanthera sessilis</i> (L.) R. Br. ex Roem.	Rau rệu	LC		
12	<i>Fallopia multiflora</i> (Thunb.) Hardison	Hà thủ ô đỏ		VU	
13	<i>Hydnocarpus annamensis</i> (Gagnep.) Lesch. et Sleumer	Lọ nổi trung bộ	VU		
14	<i>Madhuca pasquieri</i> H.J. Lam	Sến mật	VU	EN	
15	<i>Embelia parviflora</i> Wall. ex A. DC.	Thiên lý hương		VU	
16	<i>Aquilaria crassna</i> Pierre ex Lecomte	Trầm hương	CR	EN	
17	<i>Caesalpinia sappan</i> L.	Vang	LR		
18	<i>Aglaia odorata</i> Lour.	Ngâu	LR		
19	<i>Acanthopanax trifoliatum</i> (L.) Merr.	Ngũ gia bì gai		EN	
20	<i>Melientha suavis</i> Pierre	Rau sắng		VU	
21	<i>Strychnos umbellata</i> (Lour.) Merr.	Mã tiền hoa tán		VU	
22	<i>Alstonia scholaris</i> (L.) R. Br.	Sữa	LR		
23	<i>Rauwolfia verticillata</i> (Lour.) Baill.	Ba gác vòng		VU	
24	<i>Morinda officinalis</i> How	Ba kích		EN	
25	<i>Cyperus rotundus</i> L.	Cỏ gấu	LC		
26	<i>Colocasia esculenta</i> (L.) Schott.	Khoai môn	LC		

Table 4: Percentage of gender and age level local people in Pu Hu Nature reserve harvesting medicinal plants

Age	Gender	Percentage of individuals collecting medicinal plants (%)
> 50	Male	16
	Female	36
26 - 50	Male	15
	Female	25
16 - 25	Male	3
	Female	5
Average % of Males		31
Average % of Females		69

Status of harvesting and planting medicinal plant species

The local people do not harvest medicinal plants regularly. The quantity of medicinal plants harvested, depend on the demand of each family. They only harvest the species that are needed to treat the relative contracted disease. The quantity of species that each family here harvest every year are from 20 to 50 species. It shows that local people in Pu Hu Nature Reserve mainly harvest medicinal plants for on use and far less for commercial purpose. Due to the amount of medicinal plants in Pu Hu Nature Reserve were enough and even higher than demand for use by locals, with a small number of local people choosing to plant medicinal plants. Moreover, they only choose to plant some medicinal plants which have high economic value like *Drynaria fortunei*, *Eleutherococcus trifolius*, *Amomum longiligulare*, *Morinda officinalis* ...ect.

Solution proposals for conservation and development of medicinal plants in Pu Hu Nature Reserve.

To preserve and develop a species that cannot be separated from the management and protection of their habitat. Derived from the factors that affect the development of medicinal plants at Pu Hu Nature Reserve and the Government's regulations on forestry, the advantages and disadvantages of development, a proposal of solutions for sustainable development were made, including:

Management solutions: Strengthening the management and effective monitoring of forest activities: Frequently patrolling, controlling, and detecting illegal activities of non-timber forest products, including medicinal plants. Sending staff to participate in training courses on surveying and techniques for plantation, development and plant protection for medicinal plants.

Technical solutions: Carry out zoning activities to promote natural regeneration of the medicinal species in the authorized area. Establish nurseries, select provenances of high yielding and good quality seedlings for replanting and modeling of medicinal

plants under a forest canopy. Invest in modern equipment for research and propagation of each species.

Social policy solutions: Raise people's awareness about the value and benefits of biodiversity conservation in general and especially the medicinal plants, by organizing propaganda activities at each commune. Set up training materials and open training courses for farmers to propagate and plant some species. Encourage local people to participate in the development of some species in the household garden, plantation forest or community-managed forest.

CONCLUSION

Medicinal plants in Pu Hu Nature Reserve, Thanh Hoa province is diverse, it consists of 362 species, 113 families, 56 classes and 8 orders which belongs to 6 phyla of all the parts of plants, the roots are the most used for medicinal treatment, with leaf, bark and fruit, respectively. Medicinal plants are being used to treat 16 group of diseases. Among these medicinal plants, there are 14 species are listed in IUCN Red List 2018, 14 species in Vietnam Red List 2007 and 3 species in Decree 32 of Vietnamese government. Due to the supply is quite higher than demand then local people do not prefer to plant medicinal plants in the region. Women in Pu Hu nature reserve are mainly responsible for health care of their household, they have better knowledge on medicinal plant than man and also mainly engaged in collecting medicinal plants. Derived from the factors that affect the development of medicinal plants at Pu Hu Nature Reserve, a proposal of solutions are management solutions, technical solutions, social policy solutions.

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APPENDIX

No .F	N o. S	Scientific name	Vietnamese name	Use	Habit	Part use	Endangered level		
							IUC N 2018	Red list boo k 200 7	Dec ree 32
		PSILOTOPHYTA	Ngành KHUYẾT LÁ THÔNG						
		PSILOTOPSIDA	Lớp KHUYẾT LÁ THÔNG						
1		Psilotaceae	Họ Quyết lá thông						
	1	<i>Psilotum nudum</i> (L.) Beauv.	Không hạt lá thông	Rheumatism, sciatica, internal hemorrhage	Herbs	Whole plant			
		LYCOPODIOPHYTA	Ngành THÔNG ĐẤT						
		LYCOPODIOPSIDA	Lớp THÔNG ĐẤT						
2		Lycopodiaceae	Họ Thông đất						
	2	<i>Huperzia carinata</i> (Desv. ex Poir.) Trevis	Thạch tùng sóng	Alzheimer, parkinson, schizophrenia	Herbs	Whole plant			
	3	<i>Lycopodium clavatum</i> L.	Thông đá	Reumatism, lung disease	Herbs	Whole plant			
		EQUISETOPHYTA	Ngành CỎ THÁP BÚT						
		EQUISETOPSIDA	Lớp CỎ THÁP BÚT						
3		Equisetaceae	Họ Mộc tặc						
	4	<i>Equisetum ramosissimum</i> Desf.	Thân đốt trườn	Conjunctival conjuncyivitis, pinkeye, dysentery, enteritis, urinary gravel,	Herbs	Whole plant			
		POLYPODIOPHYTA	Ngành DUONG XỈ						
		OPHIOGLOSSOPSIDA	Lớp LƯỠI RẮN						

No .F	N o. S	Scientific name	Vietnamese name	Use	Habit	Part use	Endangered level		
							IUC N 2018	Red list book 200 7	Dec ree 32
4		Ophioglossaceae	Họ Lưỡi răn						
	5	<i>Helminthostachys zeylanica</i> (L.) Hook.	Quyết ngón bảy	Tonic, tuberculosis, asthma, fever, sciatica	Herbs	Main root			
		POLYPODIOPSIDA	Lớp RẮNG ĐA TÚC						
5		Dicksoniaceae	Họ Lông cu li						
	6	<i>Cibotium barometz</i> (L.) J. Sm.	Cầu tích	Sciatica, indisposition, backache, spermatorrhoea, leucorrhoea, external wounds	Shrubs	Main root, root hair			
6		Gleicheniaceae	Họ Guột						
	7	<i>Dicranopteris linearis</i> (Burm.) Underw.	Guột	Asthma, anthelmitic	Herbs	Leaf, Main root			
7		Dipteridaceae	Họ Song dục						
	8	<i>Dipteris chinensis</i> (Kaulf.) Reinw.	Quyết quật đôi trung hoa	Nephritis, cystitis	Shrubs	Main root			
8		Adiantaceae	Họ Răng vẹ nữ						
	9	<i>Adiantum capillus- veneris</i> L.	Răng vẹ nữ	Hemorrhage, chill, inflammation of the urinary tract, inflammation of the mammary glands	Shrubs	Whole plant			
	10	<i>Adiantum flabellulatum</i> L.	Răng vẹ nữ quật	Dysentery, enteritis, pee sharp, Hepatitis	Shrubs	Whole plant			
9		Aspleniaceae	Họ Tổ diều						
	11	<i>Asplenium falcatum</i> Lamk.	Quyết tổ lá liềm	Enuresis, kidney stone, jaundice, malaria	Shrubs	Whole plant			
10		Blechnaceae	Họ Răng dừ						

No .F	N o. S	Scientific name	Vietnamese name	Use	Habit	Part use	Endangered level		
							IUC N 2018	Red list book 2007	Decree 32
	12	<i>Blechnum orientale</i> L.	Ráng lá dừa thường	Pus boils, snake bite, flu, meningitis, typhoid, nosebleed, vomit blood	Shrubs	Dot, main root			
11		Davalliaceae	Họ Ráng đà hoa						
	13	<i>Davallia orientalis</i> C. Chr. ex Y.C. Wu, K. Wong & Pon		Detoxicate, fever, seizures	Shrubs	Main root			
	14	<i>Nephrolepis cordifolia</i> (L.) C.Presl	Ráng móng trâu tim	Fever, dry cough, Haemoptysi, enteritis, mastitis, malnourished, orchitis	Shrubs	Whole plant, Bulb			
12		Dryopteridaceae	Họ Ráng cánh bần						
13		Polypodiaceae	Họ Dương xỉ						
	15	<i>Colysis digitata</i> (Bak.) Ching.	Ráng cổ lý ngón	Suffer from a sprain, dislocation.	Shrubs	Main root			
	16	<i>Drynaria bonii</i> H. Christ	Cốt toái bồ bon	Teethache, nervous breakdown, rheumatism	Shrubs	Main root		VU Axa ,c,d	
	17	<i>Drynaria fortunei</i> (Kuntze ex Mett.) J. Sm.	Cốt toái bồ	Kidney disease, teethache	Shrubs	Main root		EN Ax, c,d	
	18	<i>Lemmaphyllum microphyllum</i> Presl. var. <i>microphyllum</i> Presl.	Ráng mảnh diệp lá nhỏ	Dysentery, hemorrhage	Shrubs	Whole plant			
	19	<i>Pyrrosia lingua</i> (Thunb.) Farw .	Ráng hỏa mạc lưỡi	Diuretic	Shrubs	Leaf, Main root			
14		Pteridaceae	Họ Ráng seo gà						
	20	<i>Pteris ensiformis</i> Burm. f.	Quyết đuôi dạng gươm	Dysentery, malaria	Shrubs	Whole plant			
	21	<i>Pteris vittata</i> L.	Seo gà đẹp	Dysentery, flu	Shrubs	Whole plant			

No .F	N o. S	Scientific name	Vietnamese name	Use	Habit	Part use	Endangered level		
							IUC N 2018	Red list book 200 7	Dec ree 32
15		Vittariaceae	Họ Ráng râu rồng						
	22	<i>Vittaria elongata</i> Sw.	Ráng Tô tần dài	Dysentery	Shrubs	Leaf, root			
16		Schizeaceae	Họ Bòng bòng						
	23	<i>Lygodium conforme</i> C. Chr.	Bòng bòng hợp	Desentery, leucorrhoea, piles haemorioids	Shrubs	Whole plant			
	24	<i>Lygodium flexuosum</i> (L.) Sw.	Bòng bòng dẻo	Constipation	Shrubs	Vine			
		PINOPHYTA	Ngành THÔNG						
		PINOPSIDA	Lớp THÔNG						
17		Pinaceae	Họ Thông						
	25	<i>Pinus massoniana</i> Lamb.	Thông mã vĩ	Flu, rheumatism, hypertension, nervous breakdown	Tree	Leaf, Peel, Tuber			
18		Podocarpaceae	Họ Kim giao						
	26	<i>Podocarpus neriifolius</i> D.Don.	Thông tre lá dài	Rheumatism, arthralgia, cough, haemoptysis	Tree	Branch, Leaf, Root	LR		
19		Taxodiaceae	Họ Bụt mọc						
	27	<i>Cunninghamia lanceolata</i> (Lamb.) Hook. f.	Sa mu	Scratched, foreign pheasants, scald, ulcerate, blain	Tree	Wood	LR		
		MAGNOLIOPHYTA	Ngành NGỌC LAN						
		MAGNOLIOPSIDA	Lớp NGỌC LAN						
20		Magnoliaceae	Họ Ngọc lan						

No .F	N o. S	Scientific name	Vietnamese name	Use	Habit	Part use	Endangered level		
							IUC N 2018	Red list book 2007	Decree 32
	28	<i>Michelia alba</i> DC.	Ngọc lan hoa trắng	Bronchitis, whooping-cough, headache, leucorrhoea	Tree	Flower, Leaf, Bark			
	29	<i>Paramichelia baillonii</i> (Pierre) S. Y. Hu	Giỗ xương	Febrifuge	Tree	Bark		VU Axa ,c,d	
21		Annonaceae	Họ Na						
	30	<i>Annona squamosa</i> L.	Na	Blain, dysentery, scabies, piles, haemorioids	Tree	Fruit, Leaf, Root, Bark			
	31	<i>Desmos chinensis</i> Lour.	Gié trung quốc	Dysentery, stomachache, dysmenorrhea, rheumatism	Shrub	Root, Leaf			
	32	<i>Desmos cochinchinensis</i> Lour.	Dây hoa dợ	Rheumatism, stomachache, bronchitis	Shrubs	Leaf, Root			ii
	33	<i>Desmos dumosus</i> Safford	Dây dất na	Rheumatism, malaria	Shrubs	Root			
	34	<i>Fissistigma glaucescens</i> (Hance) Merr.	Lãnh công xám	Rheumatism, Overexertion	Shrubs	Root			
	35	<i>Fissistigma oldhami</i> (Hemls.) Merr.	Cách thư oldham	Malaria	Vine	Whole plant			
	36	<i>Fissistigma polyanthoides</i> (DC.) Merr.	Dồi dơi	Tonic, Defecate	Shrubs	Stem			
	37	<i>Polyalthia cerasoides</i> (Roxb.) Bedd.	Nhọc lá nhỏ	Arythema	Tree	Root			
	38	<i>Xylopi vielana</i> Pierre	Giềng đỏ	Malaria, antinarrhythmic	Tree	Brank, Leaf			
22		Myristicaceae	Họ Máu chó						
	39	<i>Knema globularia</i> (Lamk.) Warb.	Máu chó cầu	Scabies, scurf	Shrubs	Seed	LR		

No .F	N o. S	Scientific name	Vietnamese name	Use	Habit	Part use	Endangered level		
							IUC N 2018	Red list book 200 7	Dec ree 32
23		Hernandiaceae	Họ Liên điệp đồng						
	40	<i>Illigera dunniana</i> Levl.	Khâu tai	Scabies, boil	Vine	Leaf			
	41	<i>Illigera rhodantha</i> Hance	Liên đẳng hoa đỏ	Scabies, haemoptysis	Vine	Root, Leaf			
24		Lauraceae	Họ Long não						
	42	<i>Actinodaphne pilosa</i> (Lour.) Merr.	Bộ lông	Leprosy, detoxicate, cough	Herbs	Stem, Leaf, Bark			
	43	<i>Cassytha filiformis</i> L.	Dây tơ xanh	Detoxicate, tonic, kidney disease,	Vine	Whole plant			
	44	<i>Cinnamomum burmannii</i> (Nees et Nees) Blume	Quế trên	Swoon, dysentery	Tree	Bark			
	45	<i>Cinnamomum camphora</i> (L.) Presl	Long não	Teethache, regurgitate, ulcerate	Tree	Wood, Leaf			
	46	<i>Cinnamomum cassia</i> (Ness) Ness et Eberh.	Quế thanh	Swoon, dysentery	Tree	Bark			
	47	<i>Cinnamomum iners</i> Reinw	Re xanh	Fever, diarrhea, jaundice	Tree	Bark			
	48	<i>Cinnamomum loureirii</i> Nees	Nhục quế	Swoon, dysentery	Tree	Bark			
	49	<i>Cinnamomum parthenoxylon</i> (Jack) Meissn.	Vù hương	Rheumatism, stomachache, dysentery, pertusis	Tree	Root, Stem, Leaf, Fruit	DD	CR Axa ,c,d	IIA
	50	<i>Lindera glauca</i> (Sieb. & Zucc.) Blume	Ô đước mốc	Rheumatism, boil, scalded	Tree	Leaf, Fruit, Bark			
	51	<i>Litsea balansae</i> Lecomte	Bồi lồi balansae	Boil, Inflammation	Tree	Leaf			
	52	<i>Litsea cubeba</i> (Lour.) Rers.	Màng tang	Dysentery, snake bite	Shrubs	Root, Fruit			
	53	<i>Litsea glutinosa</i> (Lour.) C.B. Roxb.	Bồi lồi nhót	Dysentery, enteritis, mastitis,	Shrubs	Bark, Leaf			
	54	<i>Litsea rotundifolia</i> (Wall. ex Nees) Hemsl.	Bồi lồi lá thuôn	Rheumatism, relieve pain	Shrubs	Root, Leaf			

No .F	N o. S	Scientific name	Vietnamese name	Use	Habit	Part use	Endangered level		
							IUC N 2018	Red list book 200 7	Dec ree 32
	55	<i>Machilus bonii</i> H. Lec.	Kháo vàng thơm	Antibacteria	Tree	Bark			
25		Saururaceae	Họ Giấp cá						
	56	<i>Houttuynia cordata</i> Thunb.	Giấp cá	Dysentery, haemorrhoids, pneumonia, rubella	Herbs	Whole plant except root			
	57	<i>Saururus chisensis</i> (Lour.) Hort. ex Loud.	Hàm ếch	Boil, hepatitis, cirrhosis, urinary gravel	Herbs	Whole plants			
26		Piperaceae	Họ Hồ tiêu, tiêu						
	58	<i>Piper betle</i> L.	Trầu không nhà	Fever, boil, dislocation, scalded	Vine	Leaf, Root			
	59	<i>Piper bonii</i> C. DC.	Trầu không	Rheumatism	Herbs	Whole plant			
	60	<i>Piper lolot</i> C. DC.	Lá lốt	Rheumatism, sinusitis, beriberi, gingivitis, diabetic	Herbs	Leaf, Root			
27		Menispermaceae	Họ Tiết dê						
	61	<i>Cissampelos pareira</i> L.	Dây tiết dê	Dysentery, snake bite	Vine	Whole plant			
	62	<i>Coscinium fenestratum</i> (Gaertn.) Colebr.	Vàng đắng	Dysentery	Vine	Stem, Root		VU Axa ,c,d	IIA
28		Ulmaceae	Họ Du						
	63	<i>Trema angustifolia</i> (Planch.) Blume	Hu đay lá hẹp	Relieve pain, Freshness	Shrubs	Root, Leaf			
	64	<i>Trema orientalis</i> (L.) Blume	Hu đay	Relieve pain, anti- bacteria	Herbs	Root, Leaf			
29		Moraceae	Họ Dâu tằm						
	65	<i>Antiaris toxicaria</i> (Pers.) Leschen	Sui	Dysentery, elipepsy	Tree	Resin, Seed			

No .F	N o. S	Scientific name	Vietnamese name	Use	Habit	Part use	Endangered level		
							IUC N 2018	Red list book 200 7	Dec ree 32
	66	<i>Artocarpus heterophyllus</i> Lamk.	Mít	Fart, detoxicate, constipation, boil, tranquilizer	Tree	Leaf, Seed, Resin, Stem			
	67	<i>Artocarpus styracifolius</i> Pierre	Chay lá bò đề	Stomachache, rheumatism, piercing pain in the bones	Tree	Root			
	68	<i>Artocarpus tonkinensis</i> A. Chev. ex Gagnep.	Chay bắc bộ	Rheumatism, backache, menorrhagia, leucorrhoea	Tree	Fruit, Root, Leaf			
	69	<i>Ficus altissima</i> Blume	Đa tía	Relieve pain	Shrubs	Root			
	70	<i>Ficus fulva</i> Reinw. ex Blume	Ngái vàng	Rheumatism, haemorrhoids, beriberi, diarrhoea	Tree	Root, Bark			
	71	<i>Ficus heterophylla</i> L.f.	Vú bò	Rheumatism, ear infections	Shrubs	Leaf			
	72	<i>Ficus hirta</i> Vahl.	Ngái lông	Stomachache, orchitis, rheumatism	Shrubs	Root			
	73	<i>Ficus hispida</i> L.f.	Ngái	Fever, malaria, beriberi, backache, diarrhoea		Root, Young Leaf, Bark			
	74	<i>Ficus racemosa</i> L.	Sung	Boils, scalded	Tree	Leaf, Bark, Resin			
	75	<i>Maclura cochinchinensis</i> (Lour.) Corner.	Mỏ quạ	Tuberculosis, haemoptysis	Herbs	Root, Leaf			
	76	<i>Trophis scandens</i> (Lour.) Hook. & Arn.	Ruối leo	Asthma, dyspepsia	Vine	Leaf			
30		Urticaceae	Họ Gai						
	77	<i>Boehmeria nivea</i> (L.) Gaudich.	Gai	Diuretic	Shrubs	Root, Leaf			
	78	<i>Dendrocnide urientissima</i> (Gagnep.) Chew	Han voi	Fever, dysentery, diarrhoea, hepatitis, nephritis, antifebrile, diuretic	Herbs	Whole plant	EN Bx+2 c		

No .F	N o. S	Scientific name	Vietnamese name	Use	Habit	Part use	Endangered level		
							IUC N 2018	Red list boo k 200 7	Dec ree 32
	79	<i>Gonostegia hirta</i> (Blume) Miq.	Thuốc dòi lông	Dysentery, diarrhoea, avitaminosis, enteritis, eye disease	Herbs	Whole plant			
	80	<i>Laportea violacea</i> Gagnep.	Han tía	Rheumatism, bronchial	Herbs	Root			
	81	<i>Pouzolzia sanguinea</i> (Blume) Merr.	Rau đay núi	Rubella, cough, Anaemic	Herbs	Whole plant			
	82	<i>Pouzolzia zeylanica</i> (L.) Benn	Bọ mắm	Cough, lung disease, pharyngitis, matitis	Herbs	Whole plant			
31		Juglandaceae	Họ Hồ đào						
	83	<i>Pterocarya stenoptera</i> C. DC. var. <i>tonkinensis</i> Frach.	Coi	Scurf, tooth decay, scalded	Shrubs	Leaf, Stem, Root			
32		Portulacaceae	Họ Rau sam						
	84	<i>Portulaca oleracea</i> L.	Rau sam	Ditoxicate, dysentery, enteritis, eczema	Herbs	Whole plant			
33		Amaranthaceae	Họ Rau dền						
	85	<i>Achyranthes aspers</i> L.	Cỏ xước	Rheumatism, irregular menstruation, malaria, hypertensive, urinary gravel	Herbs	Root			
	86	<i>Achyranthes bidentata</i> Blume	Ngưu tất	Rheumatism, poliomyelitic, menorrhagia	Herbs	Root			
	87	<i>Alternanthera sessilis</i> (L.) R. Br. ex Roem.	Rau rệu	Aperient, tonic	Herbs	Whole plant	LC		
	88	<i>Amaranthus spinosus</i> L.	Rau dền gai	Dysentery, vaginal discharge	Herbs	Root, Leaf			
	89	<i>Amaranthus tricolor</i> L.	Rau dền canh	Hives	Herbs	Whole tree			
	90	<i>Amaranthus viridis</i> L.	Rau dền cơm	Dysentery	Herbs	Whole tree			
	91	<i>Celosia argentea</i> L.	Mào gà đỏ	Haemorrhoids, pinkeye, bronchial	Herbs	Seed, Leaf, Flower			

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							IUC N 2018	Red list book 2007	Decree 32
	92	<i>Cyathula prostrata</i> (L.) Blume	Đơn đỏ ngon	Dysentery, cholera, diarrhoea, snake bite, fever, rheumatism	Herbs	Stem, Leaf, Root			
34		Polygonaceae	Họ Rau răm						
	93	<i>Fallopia multiflora</i> (Thunb.) Hardison	Hà thủ ô đỏ	Rheumatism, tonic	Vine	Tuber		VU Axa ,c,d	
	94	<i>Polygonum chinensis</i> L.	Thồm lồm	Dysentery, pharyngitis, snake bite, dermatitis, boil	Herbs	Whole plant			
	95	<i>Polygonum hydropiper</i> L.	Nghê lá răm	Snake bite, rash	Herbs	Whole plant			
	96	<i>Persicaria odoratum</i> Lour.	Rau răm	Diarrhoea, scurf, snake bite	Herbs	Branch, Leaf			
	97	<i>Polygonum perfoliatum</i> L.	Thồm lồm gai	Dysentery, boil, dermatitis	Herbs	Whole plant			
35		Dilleniaceae	Họ Sổi						
	98	<i>Tetracera scandens</i> (L.) Merr.	Chắc chiu	Rheumatism, dysentery, leucorrhoea, fibroma	Vine	Root, Stem			
		VIOLALES	Bộ HOA TÍM						
36		Flacourtiaceae	Họ Mùng quân						
	99	<i>Hydnocarpus annamensis</i> (Gagnep.) Lesch. et Sleumer	Lọ nổi trung bộ	Scabies	Tree	Seed	VU Axcd		
37		Passifloraceae	Họ Lạc tiên						
	100	<i>Adenia heterophylla</i> (Blume) Koord	Võng kỹ	Rheumatism	Vine	Root			
	101	<i>Passiflora foetida</i> L.	Lạc tiên	Breakdown nervous system	Vine	Whole plant			
38		Caricaceae	Họ Đu đủ						

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							IUC N 2018	Red list book 200 7	Dec ree 32
	102	<i>Carica papava</i> L.	Đu đủ	Santonin, fever, diuretic	Tree	Fruit, Resin			
39		Cucurbitaceae	Họ Bí						
	103	<i>Coccinia grandis</i> (L.) Voigt.	Mảnh bát	Boil	Vine	Leaf, Stem			
	104	<i>Gymnopetalum cochinchinensis</i> (Lour.) Kurz	Cứt quạ	Rash, tetanus	Vine	Stem			
	105	<i>Hodgsonia macrocarpa</i> (Blume) Cogn.	Đại hái	Fever, poisoning	Vine	Stem, Leaf			
	106	<i>Momordica cochinchinensis</i> Spreng.	Gấc	Boil, malaria, haemorrhoids	Vine	Seed, Root			
	107	<i>Thladiantha siamensis</i> Craib	Khổ áo xiêm	Skin disease, pharyngitis, stomachache	Vine	Root, Leaf			
	108	<i>Trichosanthes cucumerina</i> Maxim.	Dưa núi	Freshness, laxative	Vine	Fruit, Seed, Root			
	109	<i>Trichosanthes tricuspidata</i> Lour.	Cứt quạ lá lớn	Scabies	Vine	Root, Fruit			
	110	<i>Zehneria indica</i> (Lour.) Keys	Dây pọp	Sore throat, orchitis, rheumatism, eczema, boils, snake bite	Vine	Whole plant, Tuber			
40		Begoniaceae	Họ Thu hải đường						
	111	<i>Begonia aptera</i> Blume	Thu hải đường không cánh	Freshness	Herbs	Root			
41		Capparaceae	Họ Bạch hoa						
	112	<i>Cleome gynandra</i> L.	Màn màn trắng	Dysentery, febrifuge, headache, herpes, arthralgia	Herbs	Whole plant, Seed			
	113	<i>Cleome viscosa</i> L.	Màn màn vàng	Snake bite, Gastritis	Herbs	Whole plant			
	114	<i>Crateva magna</i> (Lour.) DC.	Bún	Stimulating the digestive, laxative	Tree	Stem, Root			

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							IUC N 2018	Red list book 2007	Decree 32
	115	<i>Crateva religiosa</i> Forst	Bún lợ	Laxalative, rheumatism, febrifuge, astrigent, earache	Tree	Bark stem, Root, Flower, Leaf			
	116	<i>Stixis scandens</i> Lour.	Dây trứng quốc	Eye disease, piercing pain in the pones	Vine	Leaf, Stem, Root			
	117	<i>Styxis suaveolens</i> (Roxb.) Pierre	Tôn năm	Eye disease	Vine	Root			
42		Brassicaceae	Họ Cải						
	118	<i>Brassica campestris</i> L.	Cải bẹ	Cough, bellyache	Herbs	Leaf, Seed			
	119	<i>Capsella bursa-pastoris</i> (L.) Medik.	Tề thái	Dysentery, rheumatism, enuresis	Shrubs	Root, Leaf, Fruit			
	120	<i>Nassurtium officinale</i> R. Bc.	Cải xoong	Scorbut, bronchitis, cough, skin disease	Herbs	Whole plant			
43		Actinidiaceae	Họ Dương đào						
	121	<i>Saurauia tristyla</i> DC.	Nóng	Ditoxicate	Tree	Root, Stem, Leaf			
44		Symplocaceae	Họ Dung						
	122	<i>Symplocos glauca</i> (Thumb) Koidz.	Dung mỡ	Fever	Tree	Bark			
45		Ebenaceae	Họ Thị						
	123	<i>Diospyros decandra</i> Lour.	Thị	Tranquilizer, santonin, ditoxicate, beriberi, allergic	Tree	Root bark, Leaf, Fruit			
	124	<i>Diospyros kaki</i> L.f.	Hồng	Enuresis, haemorrhoids	Tree	Fruit, Bark			
46		Sapotaceae	Họ Hồng xiêm						
	125	<i>Madhuca pasquieri</i> H.J. Lam	Sến mật	Scalded	Tree	Root, Leaf	VU Axcd	EN Axa ,c,	
	126	<i>Manilkara zapota</i> (L.) P. Royen	Hồng xiêm	Constipation, febrifuge, dysentery	Tree	Bark, Fruit			
47		Myrsinaceae	Họ Đơn nem						

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							IUC N 2018	Red list book 2007	Decree 32
	127	<i>Ardisia arborescens</i> Wall. ex A. DC.	Trọng đũa gỗ	Medicines for gynecology	Tree	Whole plant			
	128	<i>Ardisia quinqueгона</i> Blume	Cơm nguội năm cánh	Freshness, rheumatism, boils, vaginitis	Shrubs	Leaf, Stem, Root, Fruit			
	129	<i>Embelia parviflora</i> Wall. ex A. DC.	Thiên lý hương	Tonic	Shrubs	Root, Branch		VU Axa ,c,d +2d	
	130	<i>Embelia ribes</i> Burm. f.	Chua ngát	Santonin	Shrubs	Fruit			
	131	<i>Maesa balansae</i> Mez.	Đơn trâu	Santonin, allergic	Shrubs	Leaf			
48		Tiliaceae	Họ Đay						
	132	<i>Corchorus capsularis</i> L.	Rau đay	Asthma. snake bite, laxative, ascites	Herbs	Seed			
	133	<i>Grewia paniculata</i> Roxb.	Bung lai	Centipede bite, jaundice	Tree	Root, Bark, Leaf			
49		Sterculiaceae	Họ Trôm						
	134	<i>Abroma angusta</i> (L.) L. f.	Tai mèo, Múc	Paralytic, gonorrhoea	Tree	Root, Leaf			
	135	<i>Byttneria aspera</i> Colebr.	Quả gai xù xì	Rheumatism, bone fracture	Vine	Root, Stem			
	136	<i>Helicteres angustifolia</i> L.	Thâu kén lá hẹp	Malaria, fever, haryngitis, dysentery, haemorrhoids, snake bite, skin disease	Shrubs	Whole plant, Root			
	137	<i>Pterospermum heterophyllum</i> Hance	Lòng mang	Rheumatism	Tree	Root			
	138	<i>Sterculia hymenocalyx</i> K.Schum.	Trôm dài màng	Scalded	Shrubs	Bark			
	139	<i>Sterculia lanceolata</i> Cav.	Săng nhung	Boil, leucorrhoea	Tree	Bark, Leaf, Seed			
50		Bombacaceae							

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							IUC N 2018	Red list book 200 7	Dec ree 32
	140	<i>Bombax ceiba</i> L.	Gạo	Teethache, dysentery, gastritis	Tree	Bark, Root, Flower			
	141	<i>Ceiba pentandra</i> (L.) Gaertn.	Bông gòn	Febriguge, smallpox, diarrhoea	Tree	Leaf, Root			
51		Malvaceae	Họ Bông						
	142	<i>Abelmoschus moschatus</i> Medik.	Bụp vang	Boil, snake bite, kiney stone	Herbs	Root, Leaf			
	143	<i>Abutilon indicum</i> (L.) Sweet	Cối xay	Dysentery, beriberi, febrifuge	Shrubs	Whole plant			
	144	<i>Hibiscus rosa-sinensis</i> L.	Dâm bụt	Dysentery, leucorrhoea, nocturnal emissions	Shrubs	Leaf, Bark, Flower, Root			
	145	<i>Kydia calycina</i> Roxb.	Ong bù	Rheumatism, backache, scalded	Tree	Leaf, Bark			
	146	<i>Malvastrum coromandelianum</i> (L.) Garcke	Hoàng manh	Dysentery, cough, backache, hepatitis, enteritis	Herbs	Whole plant			
	147	<i>Sida rhombifolia</i> L.	Ké hoa vàng	Dysentery, boil, insomnia, allergic, diarrhoea	Shrubs	Whole plant			
	148	<i>Urena lobata</i> L.	Ké hoa đào	Dysentery, enteritis, menorrhagia, smallpox	Shrubs	Whole plant			
52		Euphorbiaceae	Họ Thầu dầu						
	149	<i>Alchornea rugosa</i> (Lour.) Muell.- Arg.	Đom đóm	Fever, malaria	Shrubs	Seed			
	150	<i>Alchornea trewioides</i> (Benth.) Muell.-Arg.	Vông đồ quả lớn	Hemostatic, paralytic	Shrubs	Whole plant			
	151	<i>Aleurites moluccana</i> (L.) Willd.	Trẩu xoan, Lai	Teethache, eczema, impetigo	Tree	Seed, Bark, Leaf			
	152	<i>Aporosa dioica</i> (Roxb.) Muell.- Arg.	Thầu tấu	Abscess, boil, postnatal disease, astrigent	Tree	Whole plant			
	153	<i>Baccaurea ramiflora</i> Lour.	Dâu da đất	Stimulatinf the digestive, boil, allergic	Tree	Fruit, Leaf, Bark			

No .F	N o. S	Scientific name	Vietnamese name	Use	Habit	Part use	Endangered level		
							IUC N 2018	Red list book 200 7	Dec ree 32
	154	<i>Bischofia javanica</i> Blume	Nhội	Vanginitis, dysentery, diarrhoea	Tree	Stem, Bark, Root, Leaf			
	155	<i>Breynia fruticosa</i> (L.) Hook.f.	Bồ cu vẽ	Anti-bacteria, boil, scalded, snake bite, pharyngitis	Tree	Leaf, Root, Bark			
	156	<i>Croton cascarilloides</i> Raeusch.	Bã đậu lá nhót	Bellyache	Shrubs	Leaf			
	157	<i>Croton tiglium</i> L.	Bã đậu	Gastritis	Tree	Seed, Leaf, Root			
	158	<i>Croton tonkinensis</i> Gagnep.	Khổ sâm	Bellyache, dysentery, diarrhoea, psoriasis	Shrubs	Leaf			
	159	<i>Excoecaria cochinchinensis</i> Lour.	Đơn đỏ	Diarrhoea, boil, dysentery	Shrubs	Leaf, Root			
	160	<i>Jatropha curcas</i> L.	Dầu mè	Astringent, eczema, scabies	Tree	Leaf, Root, Seed			
	161	<i>Mallotus apelta</i> (Lour.) Muell.- Arg.	Ba bét trắng	Ulcerate, uterine prolapse	Tree	Root, Leaf, Bark			
	162	<i>Mallotus barbatus</i> Muell.- Argent	Bùm búp lông	Diarrhoea, stomachache	Tree	Root, Bark, Leaf			
	163	<i>Mallotus philippinensis</i> (Lamk.) Muell.- Arg.	Cánh kiến	Dysentery, menorrhagia, gonorrhoea	Tree	Fruit, Root, Bark			
	164	<i>Manihot esculenta</i> Crantz.	Sắn	Diarrhoea	Shrubs	Root, Leaf, Bark			
	165	<i>Phyllanthus emblica</i> L.	Me rừng	Febrigue, cough, snake bite	Tree	Fruit, Bark, Leaf, Root			
	166	<i>Phyllanthus reticulatus</i> Poir.	Phèn đen	Dysentery, diarrhoea	Shrubs	Root, Bark			
	167	<i>Ricinus communis</i> L.	Thầu dầu	Boil, delivery	Tree	Seed			
	168	<i>Sapium discolor</i> (Champ. ex Benth.) Muell.-Arg.	Sòi tía	Snake bite, boil, dislocation, asthma	Tree	Root, Leaf			
	169	<i>Sapium rotundifolium</i> Hemsl.	Sòi lá tròn	Ditoxicate	Tree	Leaf, Fruit			

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							IUC N 2018	Red list book 2007	Decree 32
	170	<i>Sapium sebiferum</i> Roxb.	Sòi trắng	Boil, beriberi, poison	Tree	Bark, Leaf, Seed			
	171	<i>Sauropus androgynus</i> (L.) Merr.	Rau ngót	Placental retention, enuresis	Shrubs	Leaf, Root			
	172	<i>Sebastiana chamaelea</i> (L.) Muell.-Argent	Kỳ nhông	Tonic	Herbs	Whole plant			
	173	<i>Strophoblachia fimbricalyx</i> Boerl.	Mồng sa	diarrhoea	Shrubs	Leaf			
	174	<i>Suregada multiflora</i> (Juss.) Baill.	Màn mây	Menstruation disease	Shrubs	Stem			
53		Thymeleaceae	Họ Trâm hương						
	175	<i>Aquilaria crassna</i> Pierre ex Lecomte	Trâm hương	Stomache, asthma	Tree	Stem	CR Axcd	EN Axc ,d, Bx+ 2b,c ,e	
	176	<i>Wikstroemia indica</i> (L.) C.A. Mey.	Gió miết Ấn, Gió cảnh	Dysentery, jaundice	Herbs	Tuber, Fruit			
54		Hydrangeaceae							
	177	<i>Dichroa febrifuga</i> Lour.	Thường sơn	Maralia, poison	Shrubs	Root, Leaf			
55		Crassulaceae	Họ Thuốc bỏng						
	178	<i>Kalanchoe pinnata</i> (Lam.) Oken	Thuốc bỏng	Dysentery, haemorrhoids, scalded, rash	Herbs	Leaf			
56		Rosaceae	Họ Hoa hồng						
	179	<i>Duchesnea indica</i> (Andr.) Focke in Engl. & Prantl.	Dâu núi	Dysentery, enteritis, breast cancer, scofula	Herbs	Whole plant			
	180	<i>Malusdoumeri</i> (Bois) Chev.	Son tra	Cold perspiration, dyspepsia	Tree	Fruit			

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							IUC N 2018	Red list book 200 7	Dec ree 32
	181	<i>Prunus persica</i> (L.) Batsch	Đào	Diabetic, malaria, scabies, itch	Tree	Seed, Flower, Leaf			
	182	<i>Prunus salicina</i> Lindl.	Mận	Eczeema, scabie	Tree	Seed			
	183	<i>Rosa chinensis</i> Jacq.	Hoa hồng	Hermorrhage, menstrual disorders, pharyngitis, scrofula	Shrubs	Root, Flower			
	184	<i>Rubus alceaefolius</i> Tratt.	Ngây	Dyspepsia, hepallitis, spermatorrhoea	Shrubs	Branch, Leaf			
	185	<i>Rubus cochinchinensis</i> Tratt.	Ngây hương	Hepatitis, jaundice, beriberi	Shrubs	Lecave			
	186	<i>Rubus leucanthus</i> Hance.	Dum hoa trắng	Tonic	Shrubs	Fruit, Root			
57		Mimosaceae	Họ Trinh Nữ						
	187	<i>Adenanthera pavonina</i> L.	Trạch quạch	Boil, abscess, reumatism, snake bite	Tree	Seed, Leaf, Bark			
	188	<i>Archidendron clypearia</i> (Jack) I. Niels.	Mán địa	Scabies	Tree	Leaf			
	189	<i>Entada phaseoloides</i> (L.) Merr.	Bâm bâm	rheumatism, scabies, febrigue	Treese	Bark, Stem, Leaf			
	190	<i>Leucaena leucocephala</i> (Lamk.) De Wit	Keo giậu	Santonin	Tree	Seed			
58		Caesalpinaceae	Họ Vang						
	191	<i>Caesalpinia decapetala</i> (Roth.) Alston.	Móc điều	Dysentery, malaria	Vine	Whole plant			
	192	<i>Caesalpinia sappan</i> L.	Vang	Rheumatism, postnata disease, vanginitis	Treese	Stem	LR		
	193	<i>Gleditschia australis</i> Hemsl. ex Forbes Hemsl.	Bồ kết	Boils	Tree	Bark			
	194	<i>Saraca dives</i> Pierre	Vàng anh lá to	Rheumatism, menstruation disease	Tree	Bark			

No .F	N o. S	Scientific name	Vietnamese name	Use	Habit	Part use	Endangered level		
							IUC N 2018	Red list book 200 7	Dec ree 32
	195	<i>Saraca indica</i> L.	Vàng anh nhỏ	Stomachache, menstruation disease, insect bite	Tree	Bark			
	196	<i>Senna alata</i> (L.) Roxb.	Muồng trâu	Antibacteria, jaundice, diarrhoea, headache, sore throat	Herbs	Leaf, Flower, Fruit, Bark, Seed			
	197	<i>Senna hirsuta</i> (L.) Irwin & Barneby	Muồng lông	Skin disease, dysentery, rheumatism, strangury	Herbs	Leaf, Seed			
	198	<i>Cassia timoriensis</i> A. DC.	Muồng đỏ	Santonin, scabies	Tree	Fruit, Bark			
59		Fabaceae	Họ Đậu						
	199	<i>Abrus precatorius</i> L.	Cam thảo	Sunstroke, cough, dotoxicite, asthma	Vine	Root, Leaf			
	200	<i>Crotalaria ferruginea</i> Grah. ex Benth.	Lục lạc gỉ sắt	cough, scabies, nephritis, cystitis	Herbs	Whole plant			
	201	<i>Desmodium caudatum</i> (Thunb. ex Murr.) DC.	Thóc lép có đuôi	Stomachache, rheumatism	Shrubs	Whole plant			
	202	<i>Desmodium heterophyllum</i> (Willd.) DC.	Hàn the	Haematuria	Shrubs	Whole plant			
	203	<i>Millettia ichthyochtona</i> Drake	Thần mát	Scabies	Tree	Root, Stem			
60		Connaraceae	Họ Dây khế						
	204	<i>Rourea minor</i> (Gaertn.) Alston in Trimen ssp. <i>microphylla</i> (Hook. & Arn.) J. E. Vidal	Khế rừng	Postnatal disease	Shrubs	Stem, Branch			
61		Lythraceae	Họ bằng lăng						
	205	<i>Lagerstroemia calyculata</i> Kurz	Bằng lăng ổi	Eczema, dysentery, scabies	Tree	Bark			
62		Rhizophoraceae	Họ Đước						
	206	<i>Carralia lanceaefolia</i> Roxb.	Xăng mã thon	Bone fracture, menstruation disease	Tree	Branch, Leaf, Root			

No .F	N o. S	Scientific name	Vietnamese name	Use	Habit	Part use	Endangered level		
							IUC N 2018	Red list book 2007	Decree 32
63		Combretaceae	Họ Bàng						
	207	<i>Quisqualis indica</i> L.	Dây giung	Teethache, malnutrition, avitaminosis	Vine	Seed			
	208	<i>Terminalia catappa</i> L.	Bàng	Scabies, rheumatism, teethache	Tree	Bark, Leaf, Seed			
64		Myrtaceae	Họ Sim						
	209	<i>Baeckea frutescens</i> L.	Chổi xẻ	Rheumatism, menstruation disease, diarrhoea, bellyache	Shrubs	Whole plant			
	210	<i>Cleistocalyx operculatus</i> (Roxb.) Merr. & Perry	Vối	Diarrhoea	Tree	Bark, Leaf, Fower			
	211	<i>Psidium guajava</i> L.	Ổi	Diarrhoea, dysentery, leucorrhoea, diarroeoa	Tree	Leaf, Bub, Fruit, Bark, Root			
	212	<i>Rhodomyrtus tomentosa</i> (Ait.) Hassk.	Sim	Dysentery, hemorrhage	Shrubs	Leaf, Fruit, Root			
	213	<i>Syzygium cumini</i> (L.) Skells	Vối rừng	Diarrhoea, dysentery, diabetic	Tree	Leaf, Bark			
	214	<i>Syzygium jambos</i> L.	Gioi rừng	Diarrhoea, dysentery, diabetic	Tree	Fruit, Leaf, Bark root			
	215	<i>Syzygium polyanthum</i> (Wight) Walp.	Sắn thuyền	Scalded, diarrhoea, dysentery	Tree	Leaf, Bark			
65		Melastomataceae	Họ Mua						
	216	<i>Blastus cochinchinensis</i> Lour .	Mua rừng nam bộ	Tonic	Shrubs	Whole plant			
	217	<i>Melastoma candium</i> D. Don	Mua vảy	Menstruation disease, hepatitis	Tree	Leaf, Root, Fruit			
	218	<i>Melastoma normale</i> D. Don	Mua thường	Dysentery, diarrhoea, menstruation disease, teethache, boils	Shrubs	Whole plant			

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							IUC N 2018	Red list book 2007	Decree 32
	219	<i>Melastoma sanguineum</i> Sims.	Mua bà	Diarrhoea, dysentery, leucorrhoea	Tree	Whole plant			
	220	<i>Memecylon edule</i> Roxb.	Sầm bà	Malaria, fever	Tree	Bark, Leaf			
66		Lecythidaceae	Họ Lộc vừng						
	221	<i>Barringtonia acutangula</i> (L.) Gaertn.	Lộc vừng	Bellyache, diarrhoea, fever	Tree	Bark, Root, Fruit			
67		Anacardiaceae	Họ Đào lộn hột						
	222	<i>Choerospondias axillaris</i> Burt. et Hill.	Xoan nhừ	Scalded	Tree	Bark, Fruit			
	223	<i>Dracontomelon duperreanum</i> Pierre	Sấu	Cough, pregnant	Tree	Fruit, Leaf, Bark			
	224	<i>Mangifera indica</i> L.	Xoài	Teethache, santonin, dysentery, diarrhoea, vanginitis	Tree	Fruit, Seed, Leaf, Bark			
	225	<i>Rhus chinensis</i> Muell.	Muối	Enuresis	Tree	Leaf			
	226	<i>Toxicodendron succedanea</i> (L.) Mold.	Sơn Phú Thọ, Sơn lặc	Menstruation disease, santonin	Tree	Root, Leaf, Bark, Fruit			
68		Burseraceae	Họ Trám						
	227	<i>Canarium album</i> (Lour.) Raeusch.	Trám trắng	Dysentery, teethache, cough, sore throat, scrofula	Tree	Root			
69		Simaroubaceae	Họ Thanh thất						
	228	<i>Eurycoma longifolia</i> Jack	Bách bệnh	Paralytic, bellyache	Tree	Bark, Root, Leaf			
70		Rutaceae	Họ Cam						
	229	<i>Acronychia pedunculata</i> (L.) Miq.	Bưởi bung	Rheumatism, postnatal disease	Tree	Leaf, Bark, Fruit, Root			

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							IUC N 2018	Red list book 200 7	Dec ree 32
	230	<i>Citrus grandis</i> (L.) Osb.	Bưởi nhà	Stomachache, postnatal disease, Fever, indisposition	Tree	Leaf, Flower, Fruit, Seed			
	231	<i>Citrus sinensis</i> Osbeck.	Cam	Postnatal disease	Tree	Fruit, Flower, Leaf			
	232	<i>Clausena excavata</i> Burm.f.	Hồng bì đại	Malaria, rheumatism, bellyache, cough	Tree	Leaf, Bark, Root			
	233	<i>Euodia lepta</i> (Spreng.) Merr.	Ba gác	Rheumatism, menstruation disease	Tree	Leaf			
	234	<i>Euodia meliaefolia</i> (Hance) Benth.	Thôi chanh	Pharyngitis	Tree	Leaf			
	235	<i>Glycosmis pentaphylla</i> (Retz.) Correa	Cơm rượu	Rheumatism, postnatal disease, snake bite	Shrubs	Branch, Leaf, Root			
	236	<i>Micromelum falcatum</i> Tanaka	Ớt rừng	Fever, stomachache, diarrhoea, snake bite, sore throat	Tree	Root, Stem, Leaf			
	237	<i>Micromelum integerrimum</i> (Buch. - Ham.) Roem	Mất trâu bì nguyên	Fever, stomachache, rheumatism, bone fracture	Tree	Root, Leaf			
	238	<i>Zanthoxylum avicennae</i> (Lamk.) DC.	Muồng truông	Hepatitis, rheumatism, scabies, teethache, jaundice	Tree	Fruit, Root, Leaf			
	239	<i>Zanthoxylum nitidum</i> (Roxb.) DC.	Xuyên tiêu	Reliever pain, tonsillitis	Vine	Root, Branch, Leaf			
71		Meliaceae	Họ Xoan						
	240	<i>Aglaia odorata</i> Lour.	Ngâu	Fever, jaundice	Tree	Branch, Leaf, Flower	LR		
	241	<i>Melia azedarach</i> L.	Xoan ta	Santonin, bellyache	Tree	Bark			
72		Sapindaceae	Họ Bồ hòn						
	242	<i>Cardiospermum halicalabum</i> L.	Tầm phong	Rheumatism, dysentery, postnatal disease, diabetic	Vine	Whole plant			

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							IUC N 2018	Red list book 2007	Decree 32
	243	<i>Litchi sinensis</i> Sonn.	Vải	Stomachache, diarrhoea, postnatal disease, toothache	Tree	Fruit, Seed, Bark, Root, Flower			
73		Oxalidaceae	Họ Chua me đất						
	244	<i>Averrhoa carambola</i> L.	Khế	Cough, fever, cytitis, allergic	Tree	Leaf, Bark			
	245	<i>Biophytum sensitivum</i> (L.) DC.	Chua me lá me	Fever, haemoptysis, enteritis	Herb	Whole plant			
	246	<i>Oxalis corniculata</i> L.	Chua me đất hoa vàng	Cough, boil, prickly heat	Herb	Whole plant			
74		Alangiaceae	Họ Thôi ba						
	247	<i>Alangium chinense</i> (Lour.) Harms	Thôi ba	rheumatism, schizophrenia, insomnia	Tree	Root			
75		Araliaceae	Họ Ngũ gia bì						
	248	<i>Acanthopanax trifoliatum</i> (L.) Merr.	Ngũ gia bì gai	Tonic, rheumatism	Shrubs	Bark		EN Axa ,c,d +2c, d	
	249	<i>Aralia armata</i> (Wall. Ex G. Don) Seem.	Đơn châu châu	Beriberi, pharyngitis, asthma	Shrubs	Root			
	250	<i>Polyscias fruticosa</i> (L.) Harms	Đinh lăng	Fever, diarrhoea, malaria, allergic	Tree	Root			
	251	<i>Schefflera heptaphylla</i> (L.)Frodin	Đánh chân chim	Rheumatism, beriberi	Tree	Bark			
	252	<i>Schefflera pes-avis</i> R.Vig.	Đánh chân chim	Tonic	Shrubs	Bark			
76		Apiaceae	Họ Hoa tán						
	253	<i>Anethum graveolens</i> L.	Thì là	Bellyache	Herbs	Fruit			
	254	<i>Centella asiatica</i> (L.)Urb.	Rau má	Diarrhoea, fever, cystitis, gastritis,	Herbs	Whole plant			

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							IUC N 2018	Red list book 2007	Decree 32
				menstruation disease, prickly heat, jaundice					
	255	<i>Coriandrum sativum</i> L.	Rau mùi	Santonin, stomachache, bellyache	Herbs	Fruit, Leaf, Root			
	256	<i>Eryngium foetidum</i> L.	Mùi tàu	Diarrhoea, fever, enuresis	Herbs	Whole plant			
	257	<i>Hydrocotyle nepalensis</i> Hook.	Rau má Java	Jaundice, cough, menstruation disease	Herbs	Whole plant			
		RHAMNALES	Bộ Táo						
77		Rhamnaceae	Họ Táo						
	258	<i>Berchemia lineata</i> (L.) DC.	Rung rúc	Rheumatism, haemoptysis, tuberculosis	Shrubs	Root			
	259	<i>Gouania leptostachya</i> DC.	Dây Gồ an hẹp, Dây gân	Scalded, snake bite, fever	Vine	Leaf, Stem			
	260	<i>Sageretia theezans</i> (L.) Brongn.	Canh châu	Cough, fever, boil	Shrubs	Branch, Leaf, Root			
	261	<i>Ziziphus mauritiana</i> Lamk.	Táo	Insomnia, asthma, cold perspiration	Tree	Seed, Leaf, Fruit, Bark			
78		Vitaceae	Họ Nho						
	262	<i>Ampelopsis cantoniensis</i> (Hook. & Arn.) Planch.	Chè dây	Stomachache, malaria, rheumatism	Vine	Whole plant			
	263	<i>Ampelopsis heterophylla</i> (Thunb.) Sieb. & Zucc.	Song nho dị diệt	Malaria, tonic	Vine	Whole plant			
	264	<i>Vitis vinifera</i> L.	Nho	Foetal derangement, diarrhoea, dermatitis	Vine	Whole plant			
79		Oleaceae	Họ Nhài						
	265	<i>Jasminum sambac</i> (L.) Ait.	Nhài	Bellyache, diarrhoea, bone fracture, teethache	Tree	Leaf, Flower, Root			

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							IUC N 2018	Red list book 200 7	Dec ree 32
	266	<i>Jasminum subtripplinerve</i> Blume	Vàng	Menstruation disease, jaundice	Shrubs	Branch, Leaf			
80		Opiliaceae	Họ Rau sắng						
	267	<i>Melientha suavis</i> Pierre	Rau sắng	Tapeworm	Tree	Leaf, Root		VU Bx+ 2e	
81		Erythropalaceae	Họ Dây hương						
	268	<i>Erythralum scandens</i> Blume	Dây bò khai	Rheumatism, stangury	Vine	Whole plant			
82		Caprifoliaceae	Họ Kim ngân						
	269	<i>Sambucus javanica</i> Reinw. ex Blume	Cơm cháy	Beriberi, nephritis, eczema	Herbs	Branch, Root, Bark, Leaf, Flower, Fruit			
83		Loganiaceae	Họ Mã tiền						
	270	<i>Strychnos umbellata</i> (Lour.) Merr.	Mã tiền hoa tán	Tonic	Shrubs	Root		VU Axa ,c	
84		Apocynaceae	Họ Trúc đào						
	271	<i>Alstonia scholaris</i> (L.) R. Br.	Sữa	Dysentery, enteritis, insolation	Tree	Root	LR		
	272	<i>Kibatalia macrophylla</i> (Pierre in Planch. ex Hua) Woods.	Thần linh lá to	Tonic	Tree	Stem, Resin			
	273	<i>Rauvolfia verticillata</i> (Lour.) Baill.	Ba gạc vòng	Hypertensive	Tree	Root		VU Axa ,c	
	274	<i>Strophanthus divaricatus</i> (Lour.) Hook. et Arn.	Sùng dê	Heart failure	Shrubs	Seed			
85		Asclepiadaceae	Họ Thiên lý						
	275	<i>Dischidia acuminata</i> Cost.	Tai chuột	Dysuria, leucorrhoea, beriberi, otorrhoea, adenitis	Vine	Whole plant			

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							IUC N 2018	Red list book 2007	Decree 32
	276	<i>Hoya carnosa</i> R. Br.	Cầm cù	Rheumatism, pneumonia, bronchitis, orchitis	Vine	Whole plant			
	277	<i>Streptocaulon juvenas</i> (Lour.) Merr.	Hà thủ ô nam	Detoxicate, fever, malaria, dysuria	Vine	Root, Leaf			
	278	<i>Telosma cordata</i> (Burm.f.) Merr.	Hoa thiên lý	Santonin, tonic, haematuria, haemorrhoids	Vine	Leaf, Root			
86		Rubiaceae	Họ Cà phê						
	279	<i>Hedyotis capitellata</i> Wall.	An điền đầu	Gastritis	Shrubs	Whole plant			
	280	<i>Hedyotis corymbosa</i> (L.) Lamk.	Cóc mản	Malaria	Herbs	Whole plant			
	281	<i>Ixora coccinea</i> L.	Trang son	Dysentery, menstruation disease, oils, allergic	Tree	Root, Leaf			
	282	<i>Morinda citrifolia</i> L.	Nhàu lá chanh	Hypertension, kidney stone, piercing pain in the bones	Tree	Root			
	283	<i>Morinda officinalis</i> F.C.How	Ba kích	Hypertensive, spermatorrhoea, stangury	Herbs	Root		EN Axc ,d, Bx+ 2a,b ,c	
	284	<i>Nauclea orientalis</i> (L.) L.	Gáo vàng	Fever, malaria, Cirrhosis	Tree	Bark, Wood			
	285	<i>Paederia foetida</i> L.	Rau mợ thối	Dysentery, diarrhoea, pertussis	Vine	Whole plant			
	286	<i>Psychotria reevesii</i> Wall. in Roxb.	Lầu	Diarrhoea, dysentery, boils, typhoid, leucorrhoea, haematuria, pharyngitis, teethache, postnatal disease	Tree	Root, Leaf			

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	287	<i>Psychotria rubra</i> (Lour.) Poit.	Lầu đồ	Diarrhoea, dysentery, boils, typhoid, leucorrhoea, haematuria, pharyngitis, teethache, postnatal disease	Tree	Root, Leaf			
	288	<i>Randia spinosa</i> Bl.	Găng tu hú	Ditoxicate, boils, strangury	Shrubs	Fruit, Root, Bark			
87		Convolvulaceae	Họ Khoai lang						
	289	<i>Pharbitis purpurea</i> Voight.	Bìm bìm tía	Beiberi, bellyache	Vine	Seed			
88		Boraginaceae	Họ Vòi voi						
	290	<i>Heliotropium indicum</i> L.	Vòi voi	Astringent injury, dislocation	Herbs	Whole plant			
89		Solanaceae	Họ Cà						
	291	<i>Capsicum frutescens</i> L.	Ớt	Snake bite, insect bite, eczema, boils, bellyache	Tree	Leaf			
	292	<i>Datura metel</i> L.	Cà độc dược	Bronchitis, asthma	Tree	Leaf, Flower			
	293	<i>Physalis angulata</i> L.	Tầm bóp	Fever, cough, boils, pharyngitis, orchitis, jaundice, strangury	Herbs	Whole plant			
	294	<i>Solanum procumbens</i> Lour.	Cà gai leo	Rheumatism, teethache	Vine	Root, Bark			
	295	<i>Solanum torvum</i> Sw.	Cà nòng	Teethache, insect bite, eczema	Tree	Root, Fruit, Leaf, Flower			
90		Buddleiaceae	Họ Bọ chó						
	296	<i>Buddleia asiatica</i> Lour.	Bọ chó á	Fever, cough, malaria, postnatal disease	Tree	Flower, buds, Branch, Root			
91		Scrophulariaceae	Họ Hoa mõm chó						
	297	<i>Adenosma caeruleum</i> R.Br.	Nhân trần	Jaundice, fever, headache	Herbs	Whole plant			

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							IUC N 2018	Red list book 2007	Decree 32
	298	<i>Scoparia dulcis</i> L.	Cam thảo nam	Fever, ditoxicate	Herbs	Whole plant			
	299	<i>Torenia violacea</i> (Azaola ex Blanco) Pennell	Tô liên tím	Insolation, regurgitate	Herbs	Whole plant			
92		Bignoniaceae	Họ Chùm ớt						
	300	<i>Oroxylum indicum</i> (L.) Kurz	Núc nác	Dislocation, eczema, dysentery, boils, cough, food poisoning, syphilis, stomachache	Tree	Bark, Stem, Seed			
93		Acanthaceae	Họ Ô rô						
	301	<i>Justicia gendarussa</i> Burm.f.	Thanh táo	Fever, cough, cold perspiration, dislocation, rheumatism, boils, orchitis, postnatal disease	Tree	Branch, Leaf, Root			
	302	<i>Thunbergia grandiflora</i> (Roxb. ex Willd.) Roxb.	Bông báo	Snake bite	Vine	Root, Vine, Leaf			
94		Plantaginaceae	Họ Mã đề						
	303	<i>Plantago major</i> L.	Mã đề	Cough, dysentery, strangury, bronchitis, diarrhoea, malaria, beriberi, hepatitis, nephritis, leucorrhoea, otitis, scalded	Herbs	Leaf, Seed			
95		Verbenaceae	Họ Cỏ roi ngựa						
	304	<i>Lantana camara</i> L.	Bông ổi	Haemoptysis, diabetic	Shrubs	Leaf, Flower			
	305	<i>Stachytarpheta jamaicensis</i> (L.) Vahl	Đuôi chuột	Rheumatism	Herbs	Whole plant			
	306	<i>Verbena officinalis</i> L.	Cỏ roi ngựa	Menstruation disease, strangury, nurse disease, hepatitis	Herbs	Whole plant			

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							IUC N 2018	Red list book 2007	Decree 32
	307	<i>Vitex negundo</i> L.	Ngũ cháo	Fever, headache, runny nose	Tree	Root, Leaf, Fruit, Seed			
	308	<i>Vitex trifolia</i> L.	Đền ba lá	Headache, nurse disease, sore eyes, otitis	Shrubs	Fruit			
96		Lamiaceae	Họ Bạc hà						
	309	<i>Anisomeles indica</i> (L.) Kuntze	Thiên thảo	Rheumatism, fever, malaria, diarrhoea, flatulence	Herbs	Whole plant			
	310	<i>Elsholtzia ciliata</i> (Thunb.) Hyland.	Kinh giới	Chill, fever, cough, hemorrhage, dermatitis	Herbs	Whole plant			
	311	<i>Hyptis suaveolens</i> Poit.	Tía tô đại	Fever, headache, bellyache, boils, antipyretic	Herbs	Whole plant			
	312	<i>Ocimum basilicum</i> L.	Húng chó	Cough, allergies	Herbs	Whole plant			
	313	<i>Ocimum gratissimum</i> L.	Hương nhu trắng	Fever, headache, ozostomia	Herbs	Whole plant			
	314	<i>Perilla frutescens</i> (L.) Britt.	Tía tô	Cough, fever, headache, bellyache, dysentery, Nurse disease, nervous breakdown, snake bite, boils, menstruation disease	Herbs	Leaf, Stem, Fruit			
97		Asteraceae	Họ Cúc						
	315	<i>Ageratum conyzoides</i> L.	Cỏ cứt lợn	Cavity, otitis, postnatal disease	Herbs	Whole plant			
	316	<i>Artemisia vulgaris</i> L.	Ngải cứu	Cough, anaemic, haemorrhoids, gestation disease, menstruation	Herbs	Whole plant			
	317	<i>Bidens pilosa</i> L.	Đơn buốt	Enteritis, dysentery, pharyngitis, snake bite, insect bite	Herbs	Whole plant			

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	318	<i>Blumea balsamifera</i> (L.) DC.	Đại bi	Pharyngitis, cough, rheumatism	Shrubs	Leaf, Flower			
	319	<i>Conyza canadensis</i> (L.) Cronquist	Cỏ tai hùm (Thọ lão)	Hemostatic, diarrhoea, dysentery, cystitis	Herbs	Whole plant			
	320	<i>Eclipta prostrata</i> (L.) L.	Nhọ nôi	Malaria, hemostatic, dysentery, menstruation disease, gestation disease, anamemic, rheumatism, haematuria	Herbs	Whole plant			
	321	<i>Elephantopus scaber</i> L.	Cúc chỉ thiên	Fever, cough, insolation, bronchitis, haematuria	Herbs	Whole plant			
	322	<i>Eupatorium odoratum</i> L.f.	Cô lào	Insect bite	Shrubs	Leaf, Root			
	323	<i>Lactuca indica</i> L.	Bồ công anh	Nurse disease, stomachache, boils	Herbs	Whole plant			
	324	<i>Parthenium hysterophorus</i> L.	Cúc liên chi đại	Insect bite	Herbs	Root, Stem			
	325	<i>Pluchea indica</i> (L.) Less.	Cúc tần	Dislocation, fever, headache, cough, bone fracture	Shrubs	Branch, Buds, Root			
	326	<i>Siegesbeckia orientalis</i> L.	Hy thiên, cỏ dĩ	Rheumatism, malaria, hypertensive, arthritis	Herbs	Whole plant			
	327	<i>Synedrella nodiflora</i> (L.) Gaertn.	Bọ xít	Headache, rheumatism	Herbs	Branch, Leaf			
	328	<i>Xanthium strumarium</i> L.	Ké đầu ngựa	Rheumatism, arthritis, boils, toothache, dermatitis, cavity	Herbs	Whole plant			
		LILIOPSIDA	Lớp HÀNH						
98		Asteliaceae	Họ Huyết dụ						
	329	<i>Cordyline fruticosa</i> (L.) Goepp.	Huyết dụ	Menstruation disease, dysentery,	Shrubs	Root, Leaf			

No .F	N o. S	Scientific name	Vietnamese name	Use	Habit	Part use	Endangered level		
							IUC N 2018	Red list book 2007	Decree 32
				haemoptysis, haematuria					
99		Dracaenaceae	Họ huyết dụ						
	330	<i>Dracaena angustifolia</i> Roxb.	Phất dụ lá hẹp	Dysentery, leucorrhoea	Shrubs	Root, Leaf, Flower			
	331	<i>Dracaena cambodiana</i> Pierre ex Gagnep.	Huyết giác	Nurse disease, tonic, backache	Shrubs	Red Wood			
100		Hypoxidaceae	Họ Hạ sâm						
	332	<i>Curculigo gracillis</i> Wall.	Lòng thuyền	Dysentery, dyspepsia	Herbs	Root			
101		Smilacaceae	Họ Kim cang						
	333	<i>Smilax glabra</i> Wall. ex Roxb.	Thỏ phục linh	Rheumatism, boils, skin disease	Vine	Root			
102		Stemonaceae	Họ Bách bộ						
	334	<i>Stemona tuberosa</i> Lour.	Bách bộ	Cough, santonin	Vine	Root			
103		Dioscoreaceae	Họ Củ nâu						
	335	<i>Dioscorea cirrhosa</i> Lour.	Củ nâu	Dysentery, diarrhoea, leucorrhoea, paralytic	Vine	Root			
	336	<i>Dioscorea hispida</i> Dennst.	Mài lông	Dysentery, diarrhoea	Vine	Root			
	337	<i>Dioscorea persimilis</i> Prain & Burkill.	Khoai chụp	Backache, diabetic	Vine	Root			
104		Taccaceae	Họ Râu hùm						
	338	<i>Tacca chantrieri</i> Andre'	Râu hùm hoa tía	Rheumatism	Herbs	Root			
105		Costaceae	Họ Mía dò						
	339	<i>Costus speciosus</i> (Koenig) Smith.	Mía dò	Cytitis, rheumatism	Herbs	Root			
106		Zingiberaceae	Họ Gừng						
	340	<i>Alpinia galanga</i> (L.) Willd.	Riềng nếp	Bellyache, diarrhoea, dysentery	Herbs	Root, Fruit			

No .F	N o. S	Scientific name	Vietnamese name	Use	Habit	Part use	Endangered level		
							IUC N 2018	Red list book 2007	Decree 32
	341	<i>Alpinia globosa</i> (Lour.) Horan.	Mè tré	Bellyache, diarrhoea	Herbs	Fruit			
	342	<i>Alpinia officinarum</i> Hance	Riềng	Bellyache, diarrhoea, rheumatism, malaria	Herbs	Root			
	343	<i>Amomum longiligulare</i> T.L.Wu	Sa nhân tím	Diarrhoea, rheumatism, avitaminosis, teethache	Herbs	Fruit			
	344	<i>Curcuma longa</i> L.	Nghệ	Menstruation disease, boils, rheumatism, gastritis, jaundice	Herbs	Root			
	345	<i>Curcuma zedoaria</i> (Berg.) Rosc.	Nghệ đen	Bellyache, flatulence, menstruation disease.	Herbs	Root			
	346	<i>Zingiber officinale</i> Roxb.	Gừng	Chill, rheumatism, headache, cough, menstruation disease, bellyache, diarrhoea, cholera	Herbs	Root			
	347	<i>Zingiber zerumbet</i> (L.) J.E. Sm.	Gừng gió	Chill, rheumatism, headache, cough, menstruation disease	Herbs	Root			
107		Orchidaceae	Họ Lan						
	348	<i>Renanthera coccinea</i> Lour.	Huyết nhung dúng	Cough	Vine	Leaf			
108		Cyperaceae	Họ Cói, Lác						
	349	<i>Cyperus rotundus</i> L.	Cỏ gấu	Menstruation disease, stomachache, metritis	Herbs	Tuber	LC		
109		Commelinaceae	Họ Thài lài						
	350	<i>Commelina diffusa</i> Burm. (C. nudiflora L.)	Thài lài trắng	Fever, pharyngitis	Herbs	Whole plant			
110		Poaceae	Họ Hòa thảo						
	351	<i>Cynodon dactylon</i> (L.) Pers.	Cỏ gà	Headache, eyes disease, epistaxis	Herbs	Flower			

No .F	N o. S	Scientific name	Vietnamese name	Use	Habit	Part use	Endangered level		
							IUC N 2018	Red list book 200 7	Dec ree 32
	352	<i>Eleusine indica</i> (L.) Gaertn.	Cỏ màn trâu	Sunstroke, fever, strangury, rash	Herbs	Whole plant	LC		
	353	<i>Imperata cylindrica</i> (L.) P.Beauv.	Cỏ tranh	Epostaxis, haematuria, asthma, nephritis	Herbs	Root			
	354	<i>Zea mays</i> L.	Ngô	Strangury, jaundice, urinary gravel, beiberi, hypertensive, hepatitis	Herbs	Seed, Hair			
111		Areaceae	Họ Cau dừa						
	355	<i>Areca catechu</i> L.	Cau	Santonin, malaria	Tree	Seed			
	356	<i>Areca laeensis</i> Becc.	Cau rừng	Santonin, beriberi	Tree	Seed			
	357	<i>Arenga pinnata</i> (Wurmb) Merr.	Búng báng	Hypertensive	Tree	Fruit, Stem, Root			
	358	<i>Caryota mitis</i> Lour.	Đùng đình	Dysentery, menstruation disease, headache, strangury, haematuria	Shrubs	Root			
	359	<i>Pinanga baviensis</i> Becc.	Cau chuột ba vì	Santonin, beriberi	Tree	Seed			
112		Araceae	Họ Ráy						
	360	<i>Colocasia esculenta</i> (L.) Schott.	Khoai môn	Boils, snake bite, insect bite, gestation disease	Herbs	Tuber, Leaf	LC		
	361	<i>Homalomena occulta</i> (Lour.) Schott.	Thiên niên kiện	Rheumatism	Herbs	Root			
113		Pandanaceae	Họ Dứa dại						
	362	<i>Pandanus tonkinensis</i> Martelli.	Dứa dại bắc	Beriberi, strangury, kidney stones	Shrubs	Bubs, Root			