NAM CAT TIEN
CZECHOSLOVAK VIETNAMESE EXPEDITION
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RESEARCH REPORT

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Vascular plants collected in the Nam Cat Tien National Park

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This list contains vascular plants collected during the Nam Cat Tien expedition in November 1989. The nomenclature follows mainly Pham-Hoang Ho (1972). The specimens were determined using Pham-Hoang Ho (1972) and the flora of Lecomte (1907-1936). In some cases, the determination was verified in the herbarium of Research Centre for Ecology in Ho-Chi-Minh City. (This herbarium is one of the biggest in South-East Asia, it is still in a good state, contains some type materials; nevertheless, at this time it needs urgently some support from developed countries to maintain its extraordinary scientific value.) Some plant determinations need further revisions, some specimens were determined only to the genus level, and some were not yet determined at all and are still under study (particularly families Poaceae and Cyperaceae). Specimens are deposited in herbarium of the first author. Only species that were collected are included in the list. System of families is according to Pham-Hoang Ho (1972).

The list of Nam Cat Tien plant species is prepared by Dr. Vo Van Chi et al. Its working version contains nearly 500 plant species. Big and commercially important trees are best represented there. On the other hand, lianas, epiphytes and herbs were probably less well investigated. It is why during our stay, relatively less attention was paid to big and commercially important trees. The orchids (family Orchideaceae) are investigated in the area by Truong-Quang-Tam. His list of orchids is published separately in this report; consequently, no orchids were included in the present list.

List of species

Sclizeaceae
Lygodium flexuosum (L.) Sw. in Schrad.

Aspleniaceae
Asplenium nidus L.
Lepidopteridaceae
*Drynaria quercifolia* (L.) J.Smith

Selaginellaceae
*Selaginella* sp.

Annonaceae
*Dasymachalon* cf. *macrocalyx* Finet et Gagnep.
*Polyalthia tristis* Finet et Gagnep. (*= Polyalthia littoralis* subsp. *tristis* (Pierre) Ban)
*Uvaria purpurea* Bl.

Dilleniaceae
*Dillenia* sp.

Theaceae
*Thea* cf. *dormoyana* Pierre

Pentaphyllaceae
*Ochna integrifolia* (Lour.) Merr.

Hypericaceae
*Cratoxylon formosum* Benth. et Hook.

Tiliaceae
*Colona evecta* (Pierre) Gagnep.
*Colona evrardii* Gagnep.
*Corchorus estuans* L.
*Grewia paniculata* Roxb. ex DC.
*Corchorus* sp.

Malvaceae
*Hibiscus macrophyllus* Roxb. ex Hornem.
*Sida acuta* Burm.

Sterculiaceae
*Helicteres angustifolia* L.
*Sterculia hypochra* Pierre

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Euphorbiaceae
_Croton thorellii_ Gagnep.
_Homoenoa riparia_ Lour.
_Mallotus paniculatus_ (Lamk.) Muell.-Arg.
_Paracleisthus pierrei_ Gagnep.
_Croton_ sp.
_Glochidion_ sp.
_Phyllanthus_ sp.

Passifloraceae
_Passiflora foetida_ L.

Begoniaceae
_Begonia cf. sootepensis_ Craib.

Amaranthaceae
_Celosia argentea_ L.

Rutaceae
_Clausena_ sp.

Simarubaceae
_Harrisonia perforata_ (Bl.) Merr.

Rhamnaceae
_Ziziphus oenoplia_ Mill.

Vitaceae
_Cissus cf. discolor_ Vent. ex Planch.

Leeaceae
_Leea rubra_ Blume

Mimosaceae
_Mimosa pigra_ L.

Cesalpinaceae
_Cassia alata_ L.f.
_Cassia mimosoides_ L.
_Lasiobema cardinale_ (Gagnep.) de Wit
_Paphudia cochinchinensis_ Pierre
_Cassia_ sp.
Papilionaceae
  Aeschynomene americana L.
  Attylosia scarabeoides (L.) Benth.
  Dalbergia mammosa Pierre
  Desmodium ovalifolium Wall.
  Desmodium pulchellum Benth. in Baker
  Desmodium triflorum (L.) DC.
  Desmodium triquetrum (L.) DC.
  Indigofera galegoides DC.
  Dalbergia sp.

Lecythidaceae
  Careya sphaerica Roxb.
  Barringtonia sp.

Myrtaceae
  Eugenia sp.

Lythraceae
  Lagerstroemia calyculata Kurz
  Lagerstroemia speciosa (L.) Pers.

Melastomaceae
  Memecylon edule Roxb.
  Melastoma sp.

Rhizophoraceae
  Carallia sp.

Burmaniaceae
  Burmania luteo-alba Gagnep.

Araliaceae
  Schefflera elliptica (Blume) Harms

Ulmaceae
  Trema cannabina Lour.

Moraceae
  Streblus taxoides Kurz
  Ficus sp.
Loganiaceae
Fagraea obovata Wall. in Roxb. (=F. ceylanica Thunb.)

Apocynaceae
Alstonia scholaris R.Br.
Wrightia cf. laevis Hook f. (=W. macrocarpa Pitard)
Wrightia sp.

Asclepiadaceae
Dischidia collyris Wall.
Dischidia hirsuta (Bl.) Dcne
Dischidia pseudo-bengalensis Cost.
Hoya oblongacutifolia Cost.

Convolvulaceae
Merremia hirta (L.) Merr.

Scrophulariaceae
Limnophila heterophylla Benth.
Lindernia crustacea (L.) F.Muell.
Torenia polygonoides Benth.

Acanthaceae
Pseuderanthemum crenulatum (Lindl.) R.Benoist.

Lentibulariaceae
Utricularia cf. stellaris L.f.

Verbenaceae
Vitex pubescens Vahl.
Vitex sp.

Lamiaceae
Dysophylla stellata Lour. (=D. verticillata Benth.)
Rubiaceae

Adina cordifolia Hook.f.
Gardenia cf. tubifera Wall. in Roxb. (not enough material to distinguish from G. philasteri)
Hedyotis auricularia L.
Ixora coccinea L.
Randia fasciculata DC. var. velutina Pierre
Sarcoccephalus coadunata (Roxb. ex Smith) Druce
Saprosma inaequilongum Pierre in Pit.
Ixora sp.
Lasianthus sp.
Morinda sp.

Hydrocharitaceae

Ottelia alismoides (L.) Pers.

Liliaceae

Smilax sp.

Dioscoreaceae

Dioscorea sp.

Eriocaulonaceae

Eriocaulon sp.

Palmae

Pinanga cf. annamensis Magalon
Calamus sp.

Araceae

Epipremnum giganteum Schott
Remusatia vivipara Schott
Pothos sp.

Zingiberaceae

Costus speciosus (Koenig) Smith

Marantaceae

Calathea cf. clossoni Hort.
Donax cannaeformis (G.Forst.) K.Schum.
Cyperaceae
Cyperus cf. brevifolius (Rottb.) Hassk.
Scleria caricina (R.Br.) Benth.

Poaceae
Imperata cylindrica (L.) P.Beauv.
Pennisetum polystachyon (L.) Schult.

Many of plants included in this list were not previously reported from the area; species belonging to three families (Burmaniaceae, Hydrocharitaceae and Lentibulariaceae) previously not reported from the area are also included.

The data available and our field experience show, that our knowledge on the floristic composition is still far to complete (particularly in small trees, shrubs, lianas, other epiphytes than orchids). It is clear, that the total number of vascular plants in the Nam Cat Tien is much higher than approx. 500 species reported until now. There is an urgent need for further floristical research in the area of National Park Nam Cat Tien.

The data available, no matter how limited there are, allows for the conclusion, that the National Park Nam Cat Tien is an important locality of a tropical forest, forming a habitat island in an agricultural landscape. Its plant species richness and natural character of the tropical forest communities stress the international significance of the area. The international support of all the conservation activities should enable to claim the area as Biosphere Reserve in the MaB program of UNESCO in the near future.

References