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Bissea

The Newsletter on Plant Conservation of the National Botanic Garden of Cuba



Bissea is the newsletter published by the Conservation team of the National Botanic Garden of Cuba. Its main objective is to report on the efforts that are being carried out for the conservation of the Cuban flora. This newsletter is dedicated to the memory of Prof. Dr. Johannes Bisse, an eminent German botanist, founder of the National Botanic Garden of Cuba who was dedicated to the education of a group of Cuban botanists that has been working on the study and conservation of the Cuban flora.

Preliminary categorization of taxa in the flora of Cuba - 2008

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**Proceedings of the 2008 Annual Meeting of the
Cuban Plant Specialists Group (SSC-IUCN)**

Editorial

In order to confront the biological diversity crisis, the Convention on Biological Diversity was established in 1992, and ten years later the Conference of the Parties (COP – the governing body) of this Convention adopted the Global Strategy for Plant Conservation. This strategy has as an objective «to halt the current and continuing loss of plant diversity,» for which a series of targets was proposed for 2010, among which is a «preliminary assessment of the conservation status of all known plant species.»

For years in Cuba, work has been ongoing for the evaluation of the conservation status of the species, in consonance with similar work being undertaken on a global level. As a result of all those analyses, Berazaín and collaborators published in 2005 the 'Red List of the Cuban vascular flora' which compiles the conservation status of the 1,414 taxa evaluated thus far.

Given the urgency of knowing the conservation status of the species and the scarce information available for most of them, the International Union for Conservation of Nature (IUCN) is beginning to promote processes for rapid evaluation of the conservation status of the taxa based on a minimum of information. Consequently, the Cuban Plant Specialists Group (GEPC - el Grupo de Especialistas en Plantas Cubanas) of the Species Survival Commission (SSC) of the IUCN elaborated the criteria for the process of rapid categorization, using as a base those of the IUCN red list. This methodology made it possible, in the 2007 Annual Meeting of the GEPC, to analyze the conservation status of 666 taxa from 45 plant families, which were published in the same year by González-Torres and collaborators.

The evaluation process of the conservation status of the Cuban flora advanced significantly during the 2008 Annual Meeting of the GEPC, held in February 2008 at the National Botanic Garden. On this occasion, the same criteria were employed as defined in the 2007 Annual Meeting with minor modifications (Figure 1). In the same manner, it was proposed to change the name of the categories to adopt two categories commonly used in the red list (LC and NT),

replacing those previously treated as Near Threatened (CA for Casi Amenazadas is now NT) and Least Concern (NA for No Amenazadas is now LC), avoiding an excess of terms.

Chart 1. Criteria employed in the preliminary categorization – 2008

Threatened (A - Amenazado):

- (1) if the populations of the taxon are small (< 10,000 mature individuals),
- (2) if the taxon has a small range (extent of occurrence < 20,000 km²),
- (3) if the populations have diminished by 50% or more in the last 10 years, or
- (4) if the populations have been severely fragmented in the last 10 years or are present in fewer than 10 localities.

Near Threatened (NT):

- (1) if it is predicted that the populations of the taxon could diminish by 50% or more in the next 10 years, or
- (2) if it is predicted that the populations of the taxon could be severely fragmented in the next 10 years.

Least Concern (LC):

- (1) if the populations of the taxon are large (> 10,000 mature individuals),
- (2) if the taxon has a large range (> 20,000 km²),
- (3) if it is NOT predicted that the populations could diminish by 50% or more in the next 10 years, or
- (4) if it is NOT predicted that the populations of the taxon could be severely fragmented in the next 10 years.

Data Deficient (DD):

if there is inadequate or unreliable information for making a preliminary evaluation of the taxon.

In the 2008 categorization process, 1,036 taxa from 27 families were analyzed. Two of the large families, Asteraceae and Euphorbiaceae s.l. were analyzed in their entirety, while Myrtaceae was evaluated in part. The evaluation of the conservation status was concluded for 13

of the 31 families of pteridophytes reported for Cuba. In summary, 329 taxa were evaluated as Threatened (A), 93 as Near Threatened (NT), and 485 were considered Least Concern (LC). Of the total taxa analyzed (1,036), 129 could not be evaluated because of the absence of data on them (Data Deficient – DD).

In the contributions compiled in this issue of *Bissea* an E in brackets [E] is included before the conservation category and criteria if the taxon in question is endemic (to Cuba). In the unpublished comments, information is offered which could contribute to work undertaken for the conservation of the taxa. Reported under synonymy, when fitting, are only those synonyms by which the taxon is primarily known in Cuba.

Preliminary categorization of taxa in
the flora of Cuba - 2008. Pteridophytes 1.

by Carlos Sánchez, Ledis Regalado, & Renier Morejón

ANEMIACEAE

Anemia adiantifolia (L.) Sw.

LC

Anemia coriacea Griseb.

[E] LC

Anemia cuneata Poepp. ex Spreng.

[E] LC

Anemia hirsuta (L.) Sw.

NT

Anemia nipensis (Benedict) Mickel

[E] LC

Anemia obovata Underw. & Maxon

[E] A [1+4]

Anemia pastinacaria Moritz

A [1+2+4]

Anemia phyllitidis (L.) Sw.

LC

Anemia speciosa C. Presl

A [1+4]

Anemia underwoodiana Maxon

LC

Anemia wrightii Baker

A [1+4]

AZOLLACEAE

Azolla caroliniana Willd.

[E] LC

BLECHNACEAE

Blechnum appendiculatum Willd.

LC

Blechnum fragile (Liebm.) C.V. Morton & Lellinger

LC

Blechnum jamaicense (Broadh.) C. Chr.

LC

Blechnum lherminieri (Bory) C. Chr.

DD

Blechnum lineatum (Sw.) C. Chr.

LC

Blechnum occidentale L.

LC

Blechnum polypodioides Raddi

A [1+4]

Blechnum serrulatum Rich.

LC

Blechnum shaferi (Broadh.) C. Chr.

[E] A [1+4]

Woodwardia virginica J. Sm.

[E] A [1+4]

CYATHEACEAE

Alsophila balanocarpa (D. C. Eaton) D. S. Conant

[E] LC

Alsophila cubensis (Underw. ex Maxon) Caluff & Shelton

[E] LC

Alsophila major Caluff & Shelton

LC

Alsophila minor (D. C. Eaton) R.M. Tryon

[E] LC

Alsophila woodwardioides (Kaulf.) D. S. Conant

LC

Cyathea arborea (L.) J. Sm.

LC

Cyathea armata (Sw.) Domin

LC

Cyathea aspera (L.) Sw.

LC

Cyathea furfuracea Baker

LC

Cyathea parvula (Jenman) Domin

LC

Sphaeropteris insignis (D. C. Eaton) R. M. Tryon

LC

Sphaeropteris myosuroides (Liebm.) R. M. Tryon
LC

DRYOPTERIDACEAE

Arachniodes chaerophylloides (Poir.) Proctor
LC

Arachniodes denticulata (Sw.) Ching
LC

Arachniodes formosa Fée
[E] A [1+2]

Arachniodes lurida (Jenman ex Underw. & Maxon) Proctor var.
lurida
NT [2]

Arachniodes lurida var. **sericea** (Mett.) Duek
[E] DD

Bolbitis aliena (Sw.) Alston
A [1+4]

Bolbitis nicotianifolia (Sw.) Ching
NT

Bolbitis pergamentacea (Maxon) Ching
LC

Bolbitis portoricensis (Spreng.) Hennip.
LC

Ctenitis hirta (Sw.) Ching
LC

Ctenitis sloanei (Spring) C. V. Morton
LC

Ctenitis velata (Mett.) R. M. Tryon & A. F. Tryon
[E] A [1+2+4]

Didymochlaena truncatula (Sw.) J. Sm.
LC

Elaphoglossum apodum (Kaulf.) Schott ex J. Sm.
LC

Elaphoglossum auricomum (Kunze) T. Moore
DD

Elaphoglossum auripilum H. Christ
DD

Elaphoglossum chartaceum (Baker ex Jenman) C. Chr.
LC

Elaphoglossum crinitum (L.) H. Christ
LC

- Elaphoglossum cubense** (Mett. ex Kuhn) C. Chr.
LC
- Elaphoglossum drabaefolium** H. Christ
DD
- Elaphoglossum eggertii** (Baker) H. Christ
LC
- Elaphoglossum flaccidum** (Fée) T. Moore
DD
- Elaphoglossum glabellum** J. Sm.
LC
- Elaphoglossum herminierii** (Bory & Fée) T. Moore
LC
- Elaphoglossum inaequalifolium** (Jenman) C. Chr.
DD
- Elaphoglossum latifolium** (Sw.) J. Sm.
DD
- Elaphoglossum longifolium** (Jacq.) J. Sm.
DD
- Elaphoglossum maxonii** Underw. ex C. V. Morton
DD
- Elaphoglossum palmerii** Underw. & Maxon
LC
- Elaphoglossum petiolatum** (Sw.) Urb.
DD
- Elaphoglossum procurrens** (Mett.) T. Moore
LC
- Elaphoglossum revolutum** (Liebm.) T. Moore
DD
- Elaphoglossum siliquoides** (Jenman) C. Chr.
LC
- Elaphoglossum simplex** (Sw.) Schott ex J. Sm.
DD
- Elaphoglossum smithii** (Baker) H. Christ
DD
- Elaphoglossum spatulatum** (Bory) T. Moore
DD
- Elaphoglossum wrightii** (Mett.) T. Moore
[E] LC
- Lastreopsis effusa** subsp. **confinis** (C. Chr.) Tindale
[E] LC
- Lastreopsis effusa** subsp. **dilatata** (Liebm.) Tindale
LC

Lastreopsis effusa subsp. **divergens** (Willd. & Schkuhr) Proctor

LC

Megalastrum pulverulentum (Poir.) A.R. Sm. & R.C. Moran var. **pulverulentum**

LC

Megalastrum subincisum (Willd.) A.R. Sm. & R.C. Moran

LC

Megalastrum villosum (L.) A.R. Sm. & R.C. Moran

DD

Olfersia alata C. Sánchez & Caluff

[E] LC

Olfersia cervina (L.) Kunze

LC

Peltapteris peltata (Sw.) C.V. Morton

LC

Polybotrya osmundacea Humb., Bonpl. ex Willd.

LC

Polystichum decoratum Maxon

[E] A [1+2+4]

Polystichum deminuens Maxon

[E] A [1+2+4]

Polystichum echinatum (J. F. Gmel.) C. Chr.

A [1+2]

Polystichum ilicifolium Fée

[E] A [1+4]

Polystichum machaerophyllum Slosson

[E] LC

Polystichum polystichiforme (Fée) Maxon

[E] LC

Polystichum rhizophorum Maxon

A [1+4]

Polystichum rizophyllum (Sw.) C. Presl var. **rizophyllum**

A [1+4]

Polystichum rizophyllum var. **cubense** Mickel

[E] A [1+4]

Polystichum triangulum Fée

A [1+2+4]

Stigmatopteris hemiptera (Maxon) C. Chr.

LC

HYMENOPHYLLACEAE

Hymenophyllum abruptum Hook.

NT

Hymenophyllum asplenoides (Sw.) Sw.

LC

Hymenophyllum axillare Sw.

NT

Hymenophyllum brevifrons Kunze

LC

Hymenophyllum fucoides (Sw.) Sw.

LC

Hymenophyllum hirsutum (L.) Sw.

LC

Hymenophyllum lanatum Fée

[E] LC

Hymenophyllum lineare (Sw.) Sw.

A [1+4]

Hymenophyllum microcarpum Desv.

LC

Hymenophyllum paucicarpum Jenman

A [1]

Hymenophyllum polyanthos (Sw.) Sw. var. **polyanthos**

LC

Hymenophyllum proctoris C. Sánchez

[E] LC

Hymenophyllum sericeum (Sw.) Sw.

LC

Hymenophyllum undulatum (Sw.) Sw.

LC

Trichomanes alatum Sw.

LC

Trichomanes angustatum Carmich.

LC

Trichomanes angustifrons (Fée) Wess. Boer

LC

Trichomanes bissei C. Sánchez

[E] LC

Trichomanes caluffii C. Sánchez

[E] A [1+2+4]

Trichomanes capillaceum L.

LC

Trichomanes crispum L.

LC

Trichomanes ekmanii Wess. Boer

A [1+4]

Trichomanes galeottii E. Fourn.

NT [2]

Trichomanes godmanii Hook.

A [1+4]

Trichomanes holopterum Kunze

LC

Trichomanes hookerii C. Presl

LC

Trichomanes hymenophylloides Bosch

LC

Trichomanes krausii Hook. & Grev.

LC

Trichomanes lineolatum (Bosch) Hook.

LC

Trichomanes membranaceum L.

LC

Trichomanes osmundoides DC. ex Poir.

LC

Trichomanes ovale (E. Fourn.) Wess. Boer

A [1+4]

Trichomanes pinnatum Hedw.

LC

Trichomanes polypodioides L.

LC

Trichomanes punctatum subsp. **sphenoides** (Kunze) Wess.

Boer

LC

Trichomanes pusillum Sw.

A [1+2]

Trichomanes pyxidiferum L.

NT

Trichomanes radicans Sw.

LC

Trichomanes reptans Sw.

A [1+2]

Trichomanes rigidum Sw.

LC

Trichomanes robustum E. Fourn.

NT

Trichomanes scandens L.

LC

LOPHOSORIACEAE

Lophosoria quadripinnata (J. F. Gmel.) C. Chr.

LC

LYGODIACEAE

Lygodium cubense Kunth var. **cubense**

[E] LC

Lygodium cubense var. **stenophyllum** Christ

[E] DD

Lygodium olygostachyum (Willd.) Desv.

LC

Lygodium venustum Sw.

LC

Lygodium volubile Sw. var. **volubile**

LC

Lygodium volubile var. **wrightii** (Mett. ex Prantl) Duek

DD

MARSILEACEAE

Marsilea nashii Underw.

A [1+2+4]

Marsilea polycarpa Hook. & Grev.

LC

Marsilea vestita Hook. & Grev.

NT

OPHIGLOSSACEAE

Ophioglossum harrisii Underw.

A [1]

Ophioglossum nudicaule L.

A [1+4]

Ophioglossum palmatum L.

LC

Ophioglossum reticulatum L.

LC

OSMUNDACEAE

Osmunda cinnamomea L.

LC

Osmunda regalis var. **spectabilis** (Willd.) A. Gray

LC

PLAGIOGYRIACEAE

Plagiogyria semicordata (C. Presl) Christ

A [1+4]

PSILOTACEAE

Psilotum nudum (L.) P. Beauv.

LC

SALVINIACEAE

Salvinia auriculata Aubl.

[E] LC

SCHIZAEACEAE

Actinostachys germanii (Fée) Prantl

A [1]

Schizaea fluminensis Miers ex J. W. Sturm

A [1+2]

Schizaea poeppigiana J. W. Sturm

LC

TECTARIACEAE

Camptodium pinnatum C. Chr.

A [1+2+4]

Fadyenia hookeri (Sweet) Maxon

LC

Tectaria coriandrifolia (Sw.) Underw.

LC

Tectaria fimbriata (Willd.) Proctor

LC

Tectaria heracleifolia (Willd.) Underw.

LC

Tectaria incisa (Cav.) Maxon

LC

Tectaria transiens (C.V. Morton) A. R. Sm.

DD

Tectaria trifoliata Cav.

NT

THELYPTERIDACEAE

Macrothelypteris torresiana (Gaudich.) Ching

LC

Thelypteris acunae C. Sánchez & C. Zavaro

[E] A [1+2+4]

Thelypteris alata (L.) C. F. Reed var. **alata**

LC

Thelypteris alata var. **subpinnata** (C. Chr.) Caluff & C. Sánchez

A [1+4]

Thelypteris angustifolia (Willd.) Proctor

LC

Thelypteris augescens (Link) Munz & I. M. Johnst.

LC

Thelypteris balbisii (Spreng.) Ching var. **balbisii**

LC

Thelypteris balbisii var. **longipilosa** (C. Chr.) C. Sánchez , Caluff & O. Álvarez

LC

Thelypteris basisceletica C. Sánchez, Caluff & O. Álvarez

[E] A [1+4]

Thelypteris cheilanthoides (Kunze) Proctor

A [1+4]

Thelypteris concinna (Willd.) Ching

LC

Thelypteris cordata (Fée) Proctor

LC

Thelypteris crassipila Caluff & C. Sánchez

[E] A [1+2+4]

Thelypteris crypta (Underw. & Maxon) C. F. Reed

[E] LC

Thelypteris decussata (L.) Proctor

LC

Thelypteris deltoidea (Sw.) Proctor

LC

Thelypteris dentata (Forssk.) E. P. St. John

LC

Thelypteris denudata C. Sánchez & Caluff

[E] A [1+2]

Thelypteris falcata (Liebm.) R. M. Tryon

A [1+4]

Thelypteris germaniana (Fée) Proctor

LC

Thelypteris gracilis (Heward) Proctor

NT [2]

Thelypteris grandis A.R. Sm.

LC

Thelypteris hispidula (Decne) C. F. Reed var. **hispidula**

LC

Thelypteris hispidula var. **inconstans** (C. Chr.) Proctor

LC

Thelypteris interrupta (Willd.) K. Iwats.

LC

Thelypteris invisа (Sw.) Proctor

LC

Thelypteris jarucoensis Caluff & C. Sánchez

[E] A [1+2]

Thelypteris kunthii (Desv.) C. V. Morton

LC

Thelypteris leonina Caluff & C. Sánchez

[E] A [1+2]

Thelypteris linkiana (C. Presl) R. M. Tryon

A [1+2+4]

Thelypteris lonchodes (D.C. Eaton) Ching

[E] LC

Thelypteris malangae (C. Chr.) C. V. Morton

LC

Thelypteris minutissima Caluff & C. Sánchez

[E] A [1+4]

- Thelypteris obliterated** (Sw.) Proctor
LC
- Thelypteris oligocarpa** (Willd.) Ching
LC
- Thelypteris opulenta** (Kaulf.) Fosberg
LC
- Thelypteris oviedoae** C. Sánchez & Zavaro
LC
- Thelypteris pachyrhachis** (Mett.) Ching
LC
- Thelypteris patens** (Sw.) Small var. **patens**
LC
- Thelypteris patens** var. **smithiana** Ponce
LC
- Thelypteris pellita** (Willd.) Proctor
LC
- Thelypteris pennata** (Poir.) C. V. Morton
[E] LC
- Thelypteris piedrensis** (C. Chr.) C. V. Morton var. **piedrensis**
LC
- Thelypteris piedrensis** var. **heterotricha** Caluff & C. Sánchez
[E] A [1]
- Thelypteris poiteana** (Bory) Proctor
[E] LC
- Thelypteris pteroides** (Klotzsch) R. M. Tryon
A [1+4]
- Thelypteris reptans** (J.F. Gmel.) C. V. Morton
[E] LC
- Thelypteris resinifera** (Desv.) Proctor
LC
- Thelypteris reticulata** (L.) Proctor
LC
- Thelypteris retroflexa** (L.) Proctor & Lourteig
LC
- Thelypteris rolandii** (C. Chr.) R. M. Tryon
LC
- Thelypteris rudis** (Kunze) Proctor
LC
- Thelypteris sagittata** (Sw.) Proctor
LC
- Thelypteris sancta** (L.) Ching
LC
- Thelypteris scalaris** (Christ) Alston
A [1+4]

Thelypteris scalpturoides (Fée) C. F. Reed

[E] A [2+3]

Thelypteris sclerophylla (Spreng.) C. V. Morton var. ***sclerophylla***

LC

Thelypteris sclerophylla subsp. ***latifolia*** Caluff & C. Sánchez

LC

Thelypteris scolopendrioides (L.) Proctor

LC

Thelypteris serra (Sw.) R. P. St. John

LC

Thelypteris shaferi (Maxon & C. Chr.) Duek

[E] NT [2]

Thelypteris tetragona (Sw.) Small

LC [2+3]

Thelypteris tomsonii (Jenman) Proctor

A [1]

Thelypteris wrightii (D. C. Eaton.) C. F. Reed

[E] LC

Preliminary categorization of taxa in
the Cuban flora - 2008. **Aquifoliaceae** & **Oleaceae**.

by Pedro A. González

AQUIFOLIACEAE

Ilex bahiahondica (Loes.) P. A. González

[E] A [4]

COMMENTS: Only seven populations of this species are known (Pinar del Río, Isla de la Juventud, and Matanzas).

SYNONYMS: *Ilex nitida* var. *bahiahondica* Loes., *Ilex nitida* subsp. *bahiahondica* (Loes.) Borhidi

Ilex berteroi Loes.

LC

SYNONYMS: *Ilex berteroi* var. *ovalifolia* Loes.

Ilex cassine L.

LC

SYNONYMS: *Ilex lanceolata* Griseb.

Ilex clementis Britton & P. Wilson

[E] LC

Ilex cubana Loes.

[E] LC

SYNONYMS: *Ilex turquinensis* Alain, *Ilex nunezii* Borhidi, *Ilex nannophylla* Borhidi & Muñiz

Ilex dioica (Vahl) Griseb.

LC

SYNONYMS: *Ilex remanda* Griseb., *Ilex grisebachii* Maxim., *Ilex repandoides* Loes., *Ilex grisebachii* var. *nipensis* Loes.

Ilex eoa Alain

[E] A [2+4]

COMMENTS: This taxon is distributed in the massifs of northern Oriente and in some sites exploited for mining (Holguín, Santiago de Cuba, and Guantánamo).

Ilex gundlachiana Loes.

[E] LC

Ilex hypaneura Loes.

[E] NT [1+2]

COMMENTS: This species is distributed in the entire eastern region of, but is most commonly found as small populations or isolated individuals.

SYNONYMS: *Ilex pubipetala* Loes., *Ilex coriacea*, *Ilex subavenia* Alain, *Ilex baracoensis* Borhidi, *Ilex hypaneura* var. *nudicalyx* Borhidi

***Ilex macfadyenii* (Walp.) Rehder**

LC

SYNONYMS: *Ilex moana* Borhidi & Muñiz

***Ilex manitzii* P. A. González**

[E] A [1+2]

COMMENTS: This species is a narrow endemic to the tallest parts of Sierra Cristal.

SYNONYMS: *Ilex paucinervis* Alain

***Ilex obcordata* Sw.**

LC

SYNONYMS: *Ilex shaferi* Britton & P. Wilson, *Ilex cristalensis* Loes., *Ilex ekmaniana* Loes., *Ilex ekmaniana* var. *regnelliana* Loes.

***Ilex sideroxyloides* (Sw.) Griseb.**

LC

SYNONYMS: *Prinos sideroxyloides* Sw., *Ilex occidentalis* Macfad., *Ilex occidentalis* var. *maestrana* Loes., *Ilex occidentalis* var. *rotundifolia* Loes.

***Ilex valenzuelana* Alain**

[E] A [1+2]

COMMENTS: This species only inhabits a few localities in the Sierra Maestra as isolated individuals. Females with fruit have not yet been seen.

***Ilex victorini* Alain**

[E] A [2+4]

COMMENTS: The localities inhabited by this species, including the type locality «Cayoguán», are or will be exploited for mining. The species is known from more than 13 localities in Holguín and Guantánamo.

***Ilex vomitoria* Aiton**

LC

SYNONYMS: *Ilex minutiflora* f. *parvifolia* Griseb.

***Ilex walsinghamii* R. A. Howard**

[E] A [2+4]

SYNONYMS: *Ilex wrightii* Loes., *Ilex ligustrina* f. *ekmanii* Loes.

OLEACEAE

***Chionanthus bakeri* (Urb.) Stearn**

[E] A [1+2+4]

COMMENTS: This species is only known from its type collection in 1905. It is quite likely extinct.

Chionanthus bumelioides* (Griseb.) Stearn subsp. *bumelioides

[E] LC

SYNONYMS: *Linociera ekmanii* Urb., *Linociera bumelioides* subsp. *obovalis* Borhidi & O. Muñiz

Chionanthus bumelioides subsp. **cubensis** (P. Wilson) P. A. González

[E] NT

Chionanthus domingensis Lam.

[E] LC

Chionanthus ligustrinus (Sw.) Pers.

[E] LC

Forestiera rhamnifolia Griseb. subsp. **rhamnifolia**

LC

Forestiera rhamnifolia subsp. **pilosa** (Stearn) P. A. González

[E] NT

COMMENTS: The most common situation for this taxon is existence as isolated individuals. The known localities are widely separated.

Forestiera segregata (Jacq.) Krug & Urb.

[E] LC

SYNONYMS: *Forestiera ekmanii* Borhidi

Haenianthus variifolius Urb.

[E] NT

COMMENTS: It is predicted that the populations of this species could be severely fragmented in the next 10 years, largely because of mining activities in the areas where it is distributed.

Preliminary categorization of taxa in
the Cuban flora - 2008. **Asteraceae**.

by Pedro Herrera & Iralis Ventosa

Acanthospermum hispidum DC.

LC

Acanthospermum humile (Sw.) DC.

LC

Acmella alba (L'Hér.) R. K. Jansen

LC

Acmella brachyglossa Cass.

LC

Acmella oleracea (L.) R. K. Jansen

LC

Acmella oppositifolia (Lam.) R. K. Jansen

LC

Acmella radicans (Jacq.) R. K. Jansen var. **radicans**

LC

Adenophyllum porophyllum var. **cancellatum** (Cass.) Strother

DD

Adenostemma brasilianum (Pers.) Cass.

LC

Adenostemma verbesina (L.) Sch. Bip.

LC

Ageratina corylifolia (Griseb.) R. M. King & H. Rob.

A [1+2]

SYNONYMS: *Eupatorium corylifolium* Griseb.

Ageratina havanensis (Kunth) R. M. King & H. Rob.

LC

SYNONYMS: *Eupatorium havanense* Kunth

Ageratina mortoniana (Alain) R. M. King & H. Rob.

[E] LC

SYNONYMS: *Eupatorium x mortonianum* Alain

Ageratina paucibracteata (Alain) R. M. King & H. Rob.

[E] LC [1+2+3+4]

SYNONYMS: *Eupatorium paucibracteatum* Alain

Ageratum conyzoides L. subsp. **conyzoides**

LC

Ageratum conyzoides subsp. **latifolium** (Cav.) M. F. Johnst.

LC

Ageratum maritimum Kunth

LC

Ambrosia artemisiifolia var. **trinitensis** Griseb.

DD

Ambrosia hispida Pursh

LC

Ambrosia peruviana Willd.

LC

SYNONYMS: *Ambrosia paniculata* auct. non Michx. var. *cumanensis* (Kunth) O. E. Schulz (ver Alain 1964)

Ambrosia velutina O. E. Schulz

LC

Antillanthus acunae (Borhidi) B. Nord.

[E] DD

COMMENTS: Distributed in Cienfuegos (Pico Potrerillo, Sierra del Escambray) and Sancti Spiritus (Alturas de Banao).

SYNONYMS: *Pentacalia acunae* Borhidi

Antillanthus almironcillo (M. Gomez) B. Nord.

[E] LC

SYNONYMS: *Senecio almironcillo* Maza

Antillanthus biseriatus (Alain) B. Nord.

[E] LC

SYNONYMS: *Senecio biseriatus* Alain

Antillanthus cubensis (Greenm.) B. Nord.

[E] LC

SYNONYMS: *Senecio cubensis* Greenm.

Antillanthus ekmanii (Alain) B. Nord.

[E] LC

SYNONYMS: *Senecio ekmanii* Alain

Antillanthus eriocarphus (Greenm.) B. Nord.

[E] LC

SYNONYMS: *Senecio eriocarphus* Greenm.

Antillanthus leucolepis (Greenm.) B. Nord.

[E] LC

SYNONYMS: *Senecio leucolepis* Greenm.

Antillanthus pachypodus (Greenm.) B. Nord.

[E] LC

SYNONYMS: *Senecio pachypodus* Greenm.

Antillanthus shaferi (Greenm.) B. Nord.

[E] LC

SYNONYMS: *Senecio shaferi* Greenm.

Antillanthus subsquarrosus (Greenm.) B. Nord.

[E] LC

SYNONYMS: *Senecio subsquarrosus* Greenm.

Antillanthus trichotomus (Greenm.) B. Nord.

[E] NT [1+2]

SYNONYMS: *Senecio trichotomus* Greenm.

Antillia brachychaeta (B. L. Rob.) R. M. King & H. Rob.

[E] A [1+2]

SYNONYMS: *Eupatorium brachychaetum* B. L. Rob.

Aster bahamensis Britton

LC

Aster exilis Ell.

LC

Baccharis dioica Vahl

LC

Baccharis glomeruliflora Pers.

[E] LC

Baccharis halimifolia var. **angustior** DC.

[E] LC

Baccharis nipensis Urb.

[E] A [1+2+3+4]

Baccharis scoparia (L.) Sw.

DD

Baccharis scoparioides Griseb.

[E] LC

Baccharis shaferi Britton

[E] LC

Baltimora geminata (Brandege) Stuessy

[E] LC

SYNONYMS: *Melampodium geminatum* Brandege, *Baltimora recta* L.

Berylsimpsonia vanillosma (C. Wright) B.L.Turner

NT

SYNONYMS: *Proustia vanillosma* C. Wright

Bidens alba (L.) DC. var. **alba**

LC

Bidens alba var. **radiata** Sch.Bip.

NT

Bidens brittonii Sherff

LC

Bidens cynapiifolia Kunth

LC

Bidens ekmanii O. E. Schulz ex Urb. var. **ekmanii**

[E] LC

Bidens ekmanii var. **paucidentata** O. E. Schulz ex Urb.

[E] LC

Bidens laevis Britton, Sterns & Poggenb.

A [1+2+4]

Bidens mitis (Michx.) Sherff

A [1+2+4]

Bidens pilosa var. **brachycarpus** (DC.) O. E. Schulz

[E] LC

Bidens pilosa var. **minor** (Blume) Sherff

DD

Bidens pilosa L. var. **pilosa**

LC

Bidens reptans (L.) G. Don var. **reptans**

DD

SYNONYMS: *Bidens reptans* var. *urbanii* (Greenm.) O. E. Schulz

Bidens subalternans DC.

DD

Bidens urbanii (Greenm.) O. E. Schulz

[E] DD

Borrichia arborescens (L.) DC.

LC

Brickellia diffusa (Vahl) A. Gray

LC

Calyptocarpus vialis Less.

LC

Chaptalia albicans (Sw.) Vent. ex Steud.

DD

Chaptalia crassiuscula Urb.

[E] A [2+3]

Chaptalia dentata (L.) Cass.

LC

Chaptalia leptophylla Urb.

[E] A [2+3]

Chaptalia media (C. Wright) Urb.

[E] LC

Chaptalia montana Britton

[E] LC

Chaptalia nipensis Urb.

[E] A [2+3]

Chaptalia nutans (L.) Pol.

LC

Chaptalia pumila (Sw.) Urb.

LC

Chaptalia rocana Britton & P. Wilson

[E] A [1+2+3]

Chaptalia shaferi Britton & P. Wilson

[E] LC

Chaptalia stenocephala (Griseb.) Urb.

[E] LC

Chromolaena corymbosa (Aubl.) R. M. King & H. Rob.

DD

SYNONYMS: *Eupatorium corymbosum* Aubl.

Chromolaena ivifolia (L.) R. M. King & H. Rob.

LC

SYNONYMS: *Eupatorium ivifolium* L.

Chromolaena odorata (L.) R. M. King & H. Rob.

[E] NT [1+2]

SYNONYMS: *Eupatorium odoratum* L.

Chromolaena ossaeana (DC.) R. M. King & H. Rob.

[E] A [1+2+4]

SYNONYMS: *Eupatorium odoratum* L., *Eupatorium ossaeenum* DC.

Chromolaena sinuata (Lam.) R. M. King & H. Rob.

LC

SYNONYMS: *Eupatorium sinuatum* Lam.

Chrysanthellum americanum (L.) Vathek

LC

Clibadium sylvestre (Aubl.) Baill.

DD

Clibadium terebinthinaceum (Sw.) DC.

DD

Condylidium iresinoides (Kunth) R. M. King & H. Rob.

A [1+2]

SYNONYMS: *Eupatorium iresinoides* Kunth

Conocliniopsis prasiifolia (DC.) R. M. King & H. Rob.

[E] DD

SYNONYMS: *Conoclinium prasiifolium* DC.

Conoclinium coelestinum (L.) DC.

LC

SYNONYMS: *Eupatorium coelestinum* L.

Conyza apurensis Kunth

LC

SYNONYMS: *Conyza subspathulata* Cronquist

Conyza bonariensis (L.) Cronquist var. **bonariensis**

LC

SYNONYMS: *Conyza floribunda* Kunth, *Erigeron bonariensis* L.

Conyza laevigata (Rich.) Pruski

LC

Critonia aromatisans (DC.) R. M. King & H. Rob.

LC

SYNONYMS: *Eupatorium aromatisans* DC.

Critonia dalea DC.

LC

SYNONYMS: *Eupatorium dalea* L.

Critonia imbricata Griseb.

[E] A [1+2+4]

SYNONYMS: *Eupatorium imbricatum* (Griseb.) Urb.

Critonia pseudodalea DC.

[E] DD

SYNONYMS: *Eupatorium pseudodalea* (DC.) Maza & Mol.

Eclipta postrata (L.) L.

LC

SYNONYMS: *Eclipta alba* (L.) Hassk.

Elephantopus angustifolius Sw.

LC

Elephantopus carolinianus Raeusch.

LC

SYNONYMS: *Elephantopus carolinianus* Willd.

Elephantopus mollis Kunth

[E] LC

SYNONYMS: *Elephantopus scaber* L. (for Cuba, according to Herrera & al. 2000)

Elephantopus pratensis C. Wright

[E] LC

Elephantopus scaber L.

[E] LC

Eleutheranthera rudelaris (Sw.) Sch. Bip.

LC

Elvira biflora (L.) DC.

LC

Enhydra sessilis (Sw.) DC.

LC

Erigeron bellidiastroides Griseb.

[E] NT [1+2]

Erigeron bellioides DC.

LC

Erigeron capillipes Urb.

[E] A [1+2+3+4]

Erigeron cuneifolius DC.

LC

Erigeron hyoseroides Griseb.

[E] DD

Erigeron jamaicensis L.

LC

Erigeron thrincioides Griseb.

[E] NT

Eupatorium capillifolium (Lam.) Small

[E] LC

Eupatorium leptophyllum DC.

LC

Flaveria linearis Lag.

LC

Fleischmannia microstemon (Cass.) R. M. King & H. Rob.

LC

SYNONYMS: *Eupatorium microstemon* Cass.

Gomochaeta americana (Mill.) Wedd.

DD

SYNONYMS: *Gnaphalium americanum* Mill.

Gomochaeta antillana (Urb.) Anderb.

LC

SYNONYMS: *Gnaphalium antillanum* Urb.

Gomochaeta purpurea (L.) Cabrera

LC

SYNONYMS: *Gnaphalium purpureum* L.

Gnaphalium indicum L.

LC

Gochnatia attenuata (Britton) Jervis & Alain

[E] NT

Gochnatia calcicola (Britton) Jervis & Alain

[E] NT

Gochnatia cowellii (Britton) Jervis & Alain

[E] LC

Gochnatia crassifolia (Britton) Jervis & Alain

[E] NT

Gochnatia cubensis (Carabia) Jervis & Alain

[E] LC

Gochnatia elliptica (León) Alain var. **elliptica**

[E] A [1+2]

Gochnatia elliptica var. **inermis** (León) Alain

[E] A [1+2]

Gochnatia ilicifolia Less.

NT

Gochnatia maisiana var. **parviflora** (León) Alain

[E] A [1+2+3+4]

Gochnatia mantuensis (C. Wright ex Griseb.) Jervis & Alain

[E] NT [1+2]

Gochnatia microcephala (Griseb.) Jervis & Alain

[E] LC

Gochnatia obtusifolia (Britton) Jervis & Alain

[E] LC

Gochnatia recurva (Britton) Jervis & Alain

[E] LC

Gochnatia sagraeana Jervis & Alain

[E] NT [1+2]

Gochnatia shaferi (Britton) Jervis & Alain

[E] LC

Grisebachianthus carsticola (Borhidi & O. Muñiz) R. M. King & H. Rob.

[E] A [1+2]

SYNONYMS: *Eupatorium carsticola* Borhidi & O. Muñiz

Grisebachianthus holguinensis (B. L. Rob.) R. M. King & H. Rob.

[E] LC

SYNONYMS: *Eupatorium holguinense* B. L. Rob.

Grisebachianthus hypoleucus (Griseb.) R. M. King & H. Rob.

[E] LC

SYNONYMS: *Eupatorium hypoleucum* Griseb.

Grisebachianthus lantanifolius (Griseb.) R. M. King & H. Rob.

[E] LC

SYNONYMS: *Eupatorium lantanifolium* Griseb.

Grisebachianthus libanoticus (Sch. Bip.) R. M. King & H. Rob.

[E] DD

SYNONYMS: *Eupatorium libanoticum* Sch. Bip.

Grisebachianthus mayarensis (Alain) R. M. King & H. Rob.

[E] NT [1+2]

SYNONYMS: *Eupatorium mayarense* Alain

Grisebachianthus nipensis (B.L. Rob.) R. M. King & H. Rob.

[E] A [1+2+4]

SYNONYMS: *Eupatorium nipense* B.L. Robins.

Grisebachianthus plucheoides (Griseb.) R. M. King & H. Rob.

[E] LC

SYNONYMS: *Eupatorium plucheoides* Griseb.

Gundlachia apiculata Britton & S. F. Blake

[E] LC

Gundlachia corymbosa (Urb.) Britton ex Bold.

DD

Gundlachia cubana Britton & S. F. Blake

[E] LC

Gundlachia floribunda Urb.

[E] A [1+2+4]

Gundlachia foliosa Britton & Blake

[E] LC

Gundlachia lindeniana (A. Rich.) Urb.

DD

Hebeclinium macrophyllum (L.) DC.

LC

SYNONYMS: *Eupatorium macrophyllum* L.

Helenium amarum (Raf.) Rock

LC

Helenium quadridentatum Labill.

LC

Heptanthus brevipes C. Wright ex Griseb.

[E] A [1+2+4]

Heptanthus cordifolius Britton

[E] A [1+4]

Heptanthus lobatus Britton

[E] NT [1+2]

Heptanthus ranunculoides Griseb.

[E] NT [1]

Heptanthus shaferi Britton

[E] A [1+2]

Herreranthus rivalis (Greenm.) B. Nord.

[E] DD

SYNONYMS: *Senecio rivalis* Greenm.

Isocarpha atriplicifolia var. **wrightii** Griseb.

NT [1+2]

SYNONYMS: *Isocarpha cubana* Blake

Isocarpha atriplicifolia subsp. **billbergiana** (Less.) Borhidi

[E] DD

Isocarpha cubana Blake

DD

Isocarpha oppositifolia subsp. **achyranthes** (DC) Borhidi

[E] DD

Isocarpha oppositifolia (L.) Cass. subsp. **oppositifolia**

DD

Iva imbricata Walter

LC

Koanophyllon ayapanoides (Griseb.) R.M. King & H. Rob.

[E] LC

SYNONYMS: *Eupatorium ayapanoides* Griseb.

Koanophyllon bullescens (B. L.Rob.) R. M. King & H. Rob.

[E] LC

SYNONYMS: *Eupatorium bullescens* B. L. Rob.

Koanophyllon clementis (Alain) R. M. King & H. Rob.

[E] LC

SYNONYMS: *Eupatorium clementis* Alain

Koanophyllon ekmanii (B. L. Rob.) R. M. King & H. Rob.

[E] A [1+2]

SYNONYMS: *Eupatorium ekmanii* B. L. Rob.

Koanophyllon grandiceps (C. Wright) R. M. King & H. Rob.

[E] LC

SYNONYMS: *Eupatorium grandiceps* C. Wright

Koanophyllon grisebachianum (Alain) R. M. King & H. Rob.

[E] A [1+2]

SYNONYMS: *Eupatorium grisebachianum* Alain

Koanophyllon gundlachii (Urb.) R. M. King & H. Rob.

[E] LC

SYNONYMS: *Eupatorium gundlachii* Urb.

Koanophyllon helianthemoides (B. L.Rob.) R. M. King & H. Rob.

[E] NT [1+2]

SYNONYMS: *Eupatorium helianthemoides* B. L. Rob.

Koanophyllon hidrodes (B. L.Rob.) R. M. King & H. Rob.

[E] LC

SYNONYMS: *Eupatorium hidrodes* B. L. Rob.

Koanophyllon littorale (Alain) R. M. King & H. Rob.

[E] LC

SYNONYMS: *Eupatorium littorale* Alain

Koanophyllon maestrense (Urb.) R. M. King & H. Rob.

[E] LC

SYNONYMS: *Eupatorium maestrense* Urb.

Koanophyllon minutifolium (Alain) R. M. King & H. Rob.

[E] A [1+2+3]

SYNONYMS: *Eupatorium minutifolium* Alain

Koanophyllon muricatum (Alain) R. M. King & H. Rob.

[E] DD

SYNONYMS: *Eupatorium muricatum* Alain

Koanophyllon nudiflorum (A.Rich.) R. M. King & H. Rob.

[E] NT [1+2]

SYNONYMS: *Eupatorium nudiflorum* A. Rich.

Koanophyllon polystictum (Urb.) R. M. King & H. Rob.

[E] LC

SYNONYMS: *Eupatorium polystictum* Urb.

Koanophyllon prinodes (B. L. Rob.) R. M. King & H. Rob.

[E] NT [1+2]

SYNONYMS: *Eupatorium prinodes* B.L. Robins.

Koanophyllon rhexioides (B. L. Rob.) R.M. King & H. Rob.

[E] LC

SYNONYMS: *Eupatorium rhexioides* B.L. Robins.

Koanophyllon silvaticum (B. L. Rob.) R. M. King & H. Rob.

[E] NT [1+2]

SYNONYMS: *Eupatorium silvaticum* B.L. Robins.

Koanophyllon turquinense (Alain) R. M. King & H. Rob.

[E] LC

SYNONYMS: *Eupatorium turquinense* Alain

Koanophyllon villosum (Sw.) R. M. King & H. Rob. subsp. **villosum**

LC

SYNONYMS: *Eupatorium villosum* Sw.

Koanophyllon villosum subsp. **cubensis** (Pers.) Borhidi

[E] LC

Koanophyllon villosum subsp. **cynanchifolium** (DC.) Borhidi

[E] LC

Koanophyllon villosum subsp. **lindenianum** (A. Rich.) Borhidi

[E] LC

Lachnorhiza micrantha (Borhidi) Borhidi

[E] NT [1+2]

SYNONYMS: *Lachnorhiza piloselloides* subsp. *micrantha* Borhidi

Lachnorhiza piloselloides var. **dubia** Borhidi

[E] NT [1+2]

Lachnorhiza piloselloides A. Rich. subsp. **piloselloides**

[E] NT [1+2]

Lachnorhiza piloselloides var. **stenophylla** Borhidi

[E] NT [1+2]

Lagascea mollis Cav.

LC

Lantanopsis hispidula C. Wright

LC

Lantanopsis tomentosa Borhidi & Moncada

[E] NT [1+2]

Launaea intybacea (Jacq.) Beauverd

LC

SYNONYMS: *Lactuca intybacea* Jacq.

Lebetina cubana Rydb.

[E] DD

Leonis trineura (Griseb.) B. Nord.

LC

SYNONYMS: *Senecio trineurus* Griseb.

Lepidaploa commutata (Ekman) H. Rob.

[E] LC

SYNONYMS: *Vernonia commutata* Ekman

Lepidaploa complicata (Griseb.) H. Rob.

[E] LC

SYNONYMS: *Vernonia complicata* C. Wright ex Griseb.

Lepidaploa desiliens (Gleason) H. Rob.

[E] LC

SYNONYMS: *Vernonia desiliens* Gleason

Lepidaploa gnaphaliifolia (A. Rich.) H. Rob.

[E] LC

SYNONYMS: *Vernonia gnaphaliifolia* A. Rich.

Lepidaploa jenssenii (Urb.) H. Rob.

[E] LC

SYNONYMS: *Vernonia jenssenii* Ekman ex Urb.

Lepidaploa leptoclada (Sch. Bip.) H. Rob.

[E] LC

SYNONYMS: *Vernonia leptoclada* Sch. Bip.

Lepidaploa orbicularis (Alain) H. Rob.

[E] LC

SYNONYMS: *Vernonia orbicularis* Alain

Lepidaploa pineticola (Gleason) H. Rob.

[E] DD

SYNONYMS: *Vernonia pineticola* Gleason

Lepidaploa purpurata (Gleason) H. Rob.

[E] LC

SYNONYMS: *Vernonia purpurata* Gleason

Lepidaploa sagraeana (DC.) H. Rob.

[E] DD

SYNONYMS: *Vernonia sagraeana* DC.

Lepidaploa segregata (Gleason) H. Rob.

[E] LC

SYNONYMS: *Vernonia segregata* Gleason

Lepidaploa stenophylla (Less.) H. Rob.

LC

SYNONYMS: *Vernonia stenophylla* Less., *Vernonia nematophylla* Ekman & Urb.

Lepidaploa urbaniana (Urb.) H. Rob.

[E] NT [1+2]

SYNONYMS: *Vernonia urbaniana* Ekman ex Urb.

Lepidaploa wrightii (Sch. Bip.) H. Rob.

[E] LC

SYNONYMS: *Vernonia wrightii* Sch. Bip.

Lescaillea nipensis Carabia

[E] DD

Liabum crispum Sch. Bip.

NT [1+2]

Liabum cubense Sch. Bip.

NT [1+2]

Liabum umbellatum (L.) Sch. Bip.

NT [1+2]

Liabum wrightii Griseb.

[E] NT [1+2]

Lourteigia ballotifolia (Kunth) R. M. King & H. Rob.

LC

SYNONYMS: *Eupatorium ballotifolium* Kunth

Lundinia plumbea (Griseb.) B. Nord.

LC

SYNONYMS: *Senecio plumbeus* Griseb.

Melampodium divaricatum (Rich.) DC.

LC

Melampodium perfoliatum Kunth

LC

Melanthera angustifolia A. Rich.

LC

Melanthera aspera Rendle

LC

SYNONYMS: *Melanthera aspera* (Jacq.) Small var. *aspera* is a synonym of

Melanthera deltoidea L.C. Rich ex Michx. [see Prede & al. 2000]

Melanthera nivea (L.) Small

LC

SYNONYMS: *Melanthera hastata* (Walt.) L.C. Rich, (there could be a taxonomic problem here, as there is also the name *Melanthera hastata* Michx.)

Mikania alba N. Taylor

[E] LC

Mikania congesta DC.

LC

SYNONYMS: *Mikania micrantha* f. *congesta* (DC.) B. L. Rob.

Mikania cordifolia (L.f.) Willd.

LC

Mikania crispiflora C. Wright

[E] LC

Mikania hastata (L.) Willd.

LC

Mikania lindenii S. Moore

[E] LC

Mikania micrantha Kunth

LC

SYNONYMS: *Mikania micrantha* Kunth var. *micrantha*

Mikania oopetala Urb. & Nied.

LC

Mikania ranunculifolia A. Rich.

[E] LC

Mikania reticulosa C. Wright

[E] LC

Milleria quinqueflora L.

LC

Neja marginata (Griseb.) G. L. Nesom

[E] DD

SYNONYMS: *Aster grisebechii* Britton

Neurolaena lobata (L.) R. Br. ex Cass.

LC

Oldfeldtia polyphlebia (Griseb.) B. Nord. & Lundin

[E] LC

SYNONYMS: *Senecio polyphlebius* Griseb.

Orthopappus angustifolius (Sw.) Gleason

DD

SYNONYMS: es sinónimo de *Elephantopus angustifolius* Sw.

Pectis carthusianorum Less.

LC

Pectis caymanensis (Urb.) Rydb. var. **caymanensis**

LC

Pectis ciliaris L.

LC

Pectis cubensis (A. Rich.) Griseb.

[E] NT [1+2]

Pectis dominguensis Urb.

DD

Pectis floribunda A. Rich.

LC

Pectis leptcephala (Cass.) Urb.

LC

Pectis linifolia L.

LC

Pectis postrata Cav.

LC

Pectis swartziana Less.

LC

Phania cajalbanica Borhidi & O. Muñiz

[E] A [1+2+3+4]

Phania domingensis (Spreng.) Griseb.

LC

SYNONYMS: *Ageratum domingense* Spreng.

Phania matricarioides Griseb.

LC

Pinillosia berterii (Spreng.) Urb.

LC

Pluchea carolinensis (Jacq.) G. Don

LC

Pluchea purpurascens (Sw.) DC.

LC

Pluchea rosea R. K. Godfrey

LC

Porophyllum ruderale (Jacq.) Cass.

DD

Pseudelephantopus spicatus (B. Juss.) C. F. Baker

LC

Pterocaulon virgatum (L.) DC.

LC

Sachsia polycephala Griseb.

LC

Salmea insipida (Jacq.) M. R. Bolick & Jansen

[E] NT [1+2]

Salmea montana (Britton & Blake) Bolick & R. K. Jansen

[E] NT [1+2]

Salmea petrobioides Griseb.

LC

Salmea scandens (L.) DC.

DD

Shafera platyphylla Greenm.

[E] LC

Solidago sempervirens L.

LC

Solidago stricta Aiton

LC

Spaniopappus bucheri (B. L. Rob.) R. M. King & H. Rob.

[E] LC

SYNONYMS: *Eupatorium bucheri* B. L. Rob.

Spaniopappus hygrophylus (Alain) R. M. King & H. Rob.

[E] NT [1+2]

SYNONYMS: *Eupatorium hygrophilum* Alain

- Spaniopappus iodostylus** (B. L. Rob.) R. M. King & H. Rob.
NT [1+2]
SYNONYMS: *Eupatorium iodostylum* B. L. Rob.
- Spaniopappus shaferi** (B. L. Rob.) R. M. King & H. Rob.
[E] NT [1+2]
SYNONYMS: *Eupatorium shaferi* B. L. Rob.
- Sparganophorus sparganophora** (L.) C. Jeffrey
LC
SYNONYMS: *Struchium sparganophorum* (L.) Kuntze
- Sphagneticola trilobata** (L.) Pruski
LC
SYNONYMS: *Wedelia trilobata* (L.) Hitchc.
- Spilanthes beccabunga** DC.
LC
- Spilanthes limonica** Moore
[E] A [1+2]
- Spilanthes ocymifolia** (Lam.) A. H. Moore
LC
- Spilanthes urens** Jacq.
LC
- Symphyotrichum bracei** (Britton) G. L. Nesom
LC
SYNONYMS: *Aster bracei* Britton ex Small
- Symphyotrichum burguessii** (Britton) G. L. Nesom
[E] LC
SYNONYMS: *Aster burguessii* Britton
- Symphyotrichum laeve** (L.) A. Love & D. Love
LC
SYNONYMS: *Aster laevis* L.
- Symphyotrichum leone** (Britton) G. L. Nesom
[E] LC
SYNONYMS: *Aster leonis* Britton
- Synedrella nodiflora** (L.) Gaertn.
LC
- Tetraperone bellioides** (Griseb.) Urb.
[E] A [1+2+4]
- Thymopsis thymoides** var. **glabrescens** (Urb.) Alain
[E] DD
- Thymopsis thymoides** (Griseb.) Urb. var. **thymoides**
LC
- Tithonia diversifolia** (Hemsl.) A. Gray
LC
- Trichospira verticillata** (L.) S.F. Blake
LC

Tridax procumbens L.

LC

Trixis inula Crantz

LC

SYNONYMS: *Trixis radialis* (L.) Kuntze

Verbesina alata L.

LC

Verbesina encelioides (Cav.) A. Gray

LC

Verbesina gigantea Jacq.

DD

Verbesina pinnatifida Sw.

DD

Verbesina wrightii (A. Gray) Griseb.

[E]DD

Vernonanthura havanensis (DC.) H. Rob.

[E]LC

SYNONYMS: *Vernonia havanensis* DC.

Vernonanthura hieracioides (Griseb.) H. Rob.

[E]LC

SYNONYMS: *Vernonia hieracioides* Griseb.

Vernonanthura menthifolia (Poepp. ex Spreng.) H. Rob.

[E]LC

SYNONYMS: *Vernonia menthifolia* (Poepp. ex Spreng.) Less.

Vernonanthura tuerckheimii (Urb.) H. Rob.

[E]DD

Vernonia aceratoides Gleason

[E]LC

Vernonia acunae Alain

[E]LC

Vernonia angustata (Gleason) Gleason

[E]DD

Vernonia angusticeps Ekman

[E]LC

Vernonia angustissima C. Wright ex Ekman

[E]DD

Vernonia calida Gleason

[E]LC

Vernonia calophylla Gleason

[E]LC

Vernonia corallophila Gleason

[E]LC

Vernonia cubensis var. **cajalbanensis** Ekman ex Urb.

[E] NT [1+2]

Vernonia cubensis Griseb. var. **cubensis**

[E] LC

Vernonia fallax Gleason

[E] NT [1+2]

Vernonia inaequiserrata Sch. Bip.

[E] NT [1+2]

Vernonia membranacea Griseb.

[E] NT [1+2]

Vernonia moaensis Alain

[E] LC

Vernonia nematophylla Ekman & Urb.

[E] NT [1+2]

Vernonia nervosa Alain

[E] NT [1+2]

Vernonia parvuliceps Ekman

[E] LC

Vernonia potrerillona Ekman & Urb.

[E] NT [1+2]

Vernonia praestans Ekman ex Urb.

[E] LC

Vernonia semitalis Gleason

[E] LC

Vernonia valenzuelana A. Rich.

[E] NT [1+2]

Vernonia vicina Gleason

[E] LC

Viguiera dentata Spreng.

LC

Wedelia brasiliensis S. F. Blake

DD

Wedelia calycina Rich. var. **calycina**

LC

Wedelia calycina var. **caracasana** (DC.) Alain

LC

Wedelia ehrenbergii Less. var. **ehrenbergii**

DD

Wedelia ehrenbergii var. **veronicifolia** (A. Rich.) O. E. Schulz

[E] DD

Wedelia gracilis Rich.

LC

Wedelia lanceolata DC.

DD

Wedelia rugosa Greenm.

[E] LC

Wedelia serrata Rich. var. **serrata**

LC

Wedelia serrata var. **multidentata** O. E. Schulz. ex Urb.

[E] A [1+2]

Wedelia urbanii O. E. Schulz

[E] A [1+2]

Wulffia havanensis DC.

LC

COMMENTS: Habana (La Ossa). This has not been collected in Cuba recently.

Xanthium strumarium L. var. **strumarium**

LC

Zinnia peruviana (L.) L.

LC

References

Alain. (1964). *Flora de Cuba*, 5. Rubiales – Valerianales – Cucurbitales – Campanulales – Asterales. Asociación de estudiantes de Ciencias Biológicas.

Herrera, P. P., Prede, M. L. & Cejas, F. (2000). Composición de la familia *Asteraceae* en Cuba. *Acta Bot. Cub.* 141.

Preliminary categorization of taxa in
the Cuban flora - 2008. **Clusiaceae.**

by Cristina Panfet

Calophyllum antillanum Britton

LC

Calophyllum pinetorum Bisse

[E] A [1+4]

Calophyllum rivulare Britton

[E] A [1+2]

Calophyllum utile Bisse

[E] A [2]

Clusia brittonii Alain

[E] A [1+2]

Clusia callosa Britton

[E] A [1+2]

Clusia grisebachiana (Planch. & Triana) Alain

[E] A [1+2]

Clusia minor L.

LC

Clusia monocarpa Urb.

[E] A [1+2]

Clusia rosea Jacq.

LC

Clusia tetrastigma Vesque

[E] A [1+2]

Garcinia bakeriana (Urb.) Borhidi

[E] A [1+2+4]

Garcinia cincta (Urb.) Borhidi

[E] DD

Garcinia cubensis (Borhidi) Borhidi

[E] A [1+2]

Garcinia moaensis (Bisse) Borhidi

[E] A [1+2]

Garcinia ophiticola (Borhidi) Borhidi

[E] A [1+2]

Garcinia polynerura (Urb.) Borhidi

[E] A [1+2]

Garcinia pungens Borhidi

[E] A [1+2]

***Garcinia revoluta* (Urb.) Borhidi**

[E] A [1+2]

***Garcinia ruscifolia* (Griseb.) Borhidi**

[E] A [1+2]

***Garcinia serpentini* Borhidi**

[E] LC

***Marila dissitiflora* C. Wright**

[E] A [1+2]

COMMENTS: Extremely rare, only known from eastern Cuba: Holguín (Moa: La Melba) and Guantánamo (Baracoa: Quibiján).

Preliminary categorization of taxa in
the Cuban flora - 2008. ***Euphorbiaceae*** &
Phyllanthaceae.

by Rosalina Berazaín, Eldis Bécquer & Luis R. González-Torres

EUPHORBIACEAE

Acalypha alopecuroides Jacq.

LC

Acalypha chamaedrifolia (Lam.) Müll. Arg.

LC

Acalypha cubensis Urb.

[E] LC

Acalypha cuspidata Jacq.

LC

Acalypha distans Müll. Arg.

[E] DD

Acalypha fissa (Müll. Arg.) Hutch.

[E] A [1+2]

COMMENTS: Known only from a single collection.

Acalypha glechomifolia A. Rich.

LC

Acalypha havanensis Müll. Arg.

NT [1+2]

Acalypha laxiflora Müll. Arg.

DD

Acalypha leptorhachis Müll. Arg.

[E] DD

Acalypha membranacea A. Rich.

LC

Acalypha ostryifolia Riddell

LC

Acalypha pygmaea A. Rich.

[E] A [2+3+4]

Acalypha rupestris Urb.

[E] A [1+2]

Acalypha setosa A. Rich.

LC

Acidocroton adelioides Griseb.

[E] A [1+2+4]

Acidocroton lobulatus Urb.

[E] A[1+2+4]

Acidocroton oligostemon Urb.

[E] LC

Acidocroton trichophyllus subsp. **pilosulus** (Urb.) Borhidi

[E] A[1+2]

Acidocroton trichophyllus Urb. subsp. **trichophyllus**

[E] A[1+2+4]

Actinostemon brachypodus (Griseb.) Urb.

[E] A[2+4]

Adelia ricinella L.

LC

Alchornea latifolia Sw.

LC

Argythamnia candicans Sw.

LC

Argythamnia cubensis Britton & P. Wilson

[E] A[4]

Argythamnia heteropilosa J. W. Ingram

[E] A[1+2]

Astraea lobatum (L.) Klotzsch

LC

SYNONYMS: *Croton lobatus* L.

Bernardia corensis (Jacq.) Müll. Arg.

A [2]

Bernardia dichotoma (Willd.) Müll. Arg. var. **dichotoma**

DD

Bonania cubana A. Rich. subsp. **cubana**

[E] DD

Bonania cubana subsp. **acunae** (Borhidi) Borhidi

[E] DD

Bonania cubana subsp. **microphylla** (Urb.) Borhidi

[E] A[1+4]

Bonania elliptica Urb. var. **elliptica**

[E] A[1+4]

Bonania elliptica var. **spinosa** (Urb.) Borhidi

[E] A[1+4]

Bonania emarginata C. Wright ex Griseb.

[E] LC

Bonania erythroperma (Griseb.) Benth. & Hook. f.

[E] DD

SYNONYMS: *Sapium erythropermun* (Griseb.) Müll. Arg.

Caperonia castaneifolia (L.) St. Hil.

LC

Caperonia cubana Pax & K. Hoffm.

[E] A [1+2+3+4]

Caperonia palustris (L.) St. Hil.

LC

Chaetocarpus acutifolius (Britton & P. Wilson) Borhidi

[E] A [2+4]

SYNONYMS: *Mettenia acutifolia* Britton & P. Wilson

Chaetocarpus cordifolius (Urb.) Borhidi

A [1+2]

SYNONYMS: *Mettenia cordifolia* Urb.

Chaetocarpus globosus (Sw.) Fawc. & Rendle subsp. **globosus**

LC

SYNONYMS: *Mettenia globosa* (Sw.) Griseb.

Chaetocarpus globosus subsp. **oblongatus** (Alain) Borhidi

[E] A [2+4]

SYNONYMS: *Mettenia oblongata* Alain

Chaetocarpus parvifolius Borhidi

[E] DD

Cnidocolus peltatus Fern. Casas

[E] DD

Croton betulinus Vahl

A [2+4]

Croton bispinosus C. Wright

[E] DD

Croton borhidii subsp. **baracoensis** Borhidi & O. Muñiz

[E] DD

Croton borhidii O. Muñiz subsp. **borhidi**

[E] LC

Croton brittonianus Carabia

[E] A [1+2+3+4]

Croton cerinus Müll. Arg.

[E] A [2+3+4]

Croton ciliatoglandulifer Ortega

A [1+2+4]

Croton corylifolius Lam.

LC

Croton ekmanii Urb.

[E] A [1+4]

SYNONYMS: *Moacrotan ekmanii* (Urb.) Croizat

Croton flavens L.

DD

Croton glandulosus L.

LC

Croton hircinus Vent.

DD

Croton holguinensis Borhidi

[E] A [2+4]

Croton intricata C. Wright

[E] DD

Croton leucophlebius C. Wright ex Griseb.

[E] A [2]

Croton lucidus L.

LC

Croton micradenus Urb.

[E] A [1+2+4]

COMMENTS: Known only from one collection.

Croton miraflorensis Borhidi

[E] A [1+2+4]

Croton munizii Borhidi

[E] DD

Croton myricifolius Griseb.

[E] LC

Croton niveus Jacq.

LC

Croton nummulariifolius A. Rich.

LC

Croton ophiticola Borhidi

[E] DD

Croton orientensis Borhidi

[E] DD

Croton organifolius Lam.

LC

Croton pachysepalus Griseb.

DD

Croton palmatus Sessé & Moç.

[E] DD

Croton pervestitus C. Wright ex Griseb.

[E] DD

Croton punctatus Jacq.

LC

Croton rosmarinoides Millsp.

LC

Croton sagraeanus Müll. Arg.

[E] LC

Croton spiralis Müll. Arg.

[E] DD

Croton stenophyllus Griseb.

[E] LC

Croton vaccinioides A. Rich.

[E] DD

Croton wilsonii Griseb.

[E] DD

Dalechampia denticulata C. Wright ex Griseb.

[E] A [2+3+4]

Dalechampia scandens L.

LC

Ditaxis fasciculata Vahl ex A. Juss.

DD

SYNONYMS: *Argythamnia fasciculata* (Vahl ex A. Juss.) Müll. Arg.

Ditaxis polygama (Jacq.) Wheeler

DD

SYNONYMS: *Argythamnia polygama* (Jacq.) Kuntze

Dittha maestrensis Borhidi

[E] A [4]

Dittha myricoides Griseb.

LC

Euphorbia adenoptera Bertol.

LC

SYNONYMS: *Chamaesyce adenoptera* (Bertol.) Small

Euphorbia berteriana Balb. ex Spreng.

LC

SYNONYMS: *Chamaesyce berteriana* (Balb. ex Spreng.) Millsp.

Euphorbia blodgettii Engelm. ex Hitchc.

LC

SYNONYMS: *Chamaesyce blodgettii* (Engelm. ex Hitchc.) Small

Euphorbia bombensis Jacq.

DD

SYNONYMS: *Chamaesyce ammannioides* (Kunth) Small

Euphorbia camagueyensis (Millsp.) Urb.

[E] LC

SYNONYMS: *Chamaesyce camagueyensis* Millsp.

Euphorbia centunculoides Kunth

[E] LC

SYNONYMS: *Chamaesyce centunculoides* (Kunth) Millsp.

Euphorbia crassinodis Urb.

[E] DD

SYNONYMS: *Chamaesyce crassinodis* (Urb.) Millsp.

Euphorbia cyathophora Murray

LC

Euphorbia filicaulis Urb.

[E] A [2+3+4]

SYNONYMS: *Chamaesyce filicaulis* (Urb.) Alain

Euphorbia graminea Jacq.

DD

Euphorbia gundlachii Urb.

[E] DD

SYNONYMS: *Chamaesyce gundlachii* (Urb.) Alain

Euphorbia heterophylla L.

LC

Euphorbia hirta L.

LC

SYNONYMS: *Chamaesyce hirta* (L.) Millsp. var. *hirta*; *Chamaesyce hirta* var. *procumbens* (DC.) N. E. Brown

Euphorbia hypericifolia L.

LC

SYNONYMS: *Chamaesyce hypericifolia* (L.) Millsp.; *Chamaesyce pilulifera* Small

Euphorbia hyssopifolia L.

LC

SYNONYMS: *Chamaesyce hyssopifolia* (L.) Small

Euphorbia lasiocarpa Klotzsch

DD

SYNONYMS: *Chamaesyce lasiocarpa* (Klotzsch) Arthur

Euphorbia mendezii Boiss.

LC

SYNONYMS: *Chamaesyce mendezii* (Boiss.) Millsp.

Euphorbia mesembryanthemifolia Jacq.

LC

SYNONYMS: *Chamaesyce buxifolia* (Lam.) Small; *Chamaesyce yayalesia* Alain

Euphorbia monantha C. Wright

[E] DD

Euphorbia nutans Lag.

[E] LC

Euphorbia paredonensis (Millsp.) Oudejans

[E] A [2]

Euphorbia pergamena Small

LC

Euphorbia prostrata Aiton

LC

Euphorbia serpens Kunth

LC

Euphorbia sessei Oudejans

[E] DD

Euphorbia thymifolia L.

LC

SYNONYMS: *Chamaesyce thymifolia* (L.) Millsp.

Euphorbia tithymaloides subsp. **angustifolia** (Poit.) V.W.

Steinm.

LC

Euphorbia tithymaloides subsp. **smallii** (Millsp.) V.W.Steinm.

DD

Euphorbia torralbasii Urb.

[E] LC

Euphorbia trichotoma Kunth

DD

Euphorbia turpinii Boiss.

DD

Gymnanthes albicans (Griseb.) Urb.

[E] NT [1]

Gymnanthes lucida Sw.

LC

Gymnanthes pallens (Griseb.) Müll. Arg.

A [1]

Gymnanthes recurva Urb.

[E] A [1+2]

Hippomane mancinella L.

LC

Hura crepitans L.

LC

Jatropha gossypifolia L.

LC

Jatropha paxii Croizat

[E] DD

Lasiocroton bahamensis Pax & K. Hoffm.

LC

Leucocroton acunae Borhidi

[E] A [1+4]

Leucocroton anomalus Borhidi

[E] A [1+2+4]

Leucocroton comosus Urb.

[E] A [1]

Leucocroton cordifolius (Britton & P. Wilson) Alain

[E] A[1]

Leucocroton ekmanii Urb.

[E] A[1+2]

Leucocroton flavicans Müll. Arg.

[E] NT

Leucocroton havanensis Borhidi

[E] A[1+2]

Leucocroton incrustatus Borhidi

[E] DD

Leucocroton linearifolius Britton

[E] A[4]

Leucocroton longibracteatus Borhidi

[E] DD

Leucocroton microphyllus (A. Rich.) Pax & K. Hoffm.

[E] LC

Leucocroton moaensis Borhidi & O. Muñiz

[E] A[4]

Leucocroton obovatus Urb.

[E] A[1+2]

Leucocroton pachyphyloides Borhidi

[E] A[1+2]

Leucocroton pachyphyllus Urb.

[E] A[1+4]

Leucocroton revolutus C. Wright

[E] A[1]

Leucocroton sameki Borhidi

[E] DD

Leucocroton saxicola Britton

[E] A[1+2+4]

Leucocroton stenophyllus Urb.

[E] A[1+2+4]

Leucocroton subpeltatus (Urb.) Alain

[E] A[4]

Leucocroton virens var. **glaber** Borhidi

[E] A[1+2]

Leucocroton virens Griseb. var. **virens**

[E] A[1+2]

Leucocroton wrightii Griseb.

[E] A[4]

Microstachys corniculata (Vahl) Griseb.

LC

- Moacroton cristalensis** (Urb.) Croizat
[E] A [2]
- Moacroton ekmanii** (Urb.) Croizat
[E] A [1+2]
- Moacroton gynopetalus** Borhidi
[E] DD
- Moacroton lanceolatus** Alain
[E] LC
- Moacroton maestrensis** Alain
[E] A [1]
- Omphalea diandra** L.
A [1+2]
- Pera bumeliifolia** Griseb.
LC
- Pera ekmanii** Urb.
[E] A [4]
- Pera longipes** Britton & P. Wilson
[E] A [1+2]
- Pera microcarpa** Urb.
[E] DD
- Pera oppositifolia** Griseb.
[E] A [1+2]
- Pera orientensis** Borhidi
[E] A [1+4]
- Pera pallidifolia** Britton & P. Wilson
[E] A [1+2]
- Pera polylepis** subsp. **moaensis** Borhidi
[E] A [1+2]
- Pera polylepis** Alain subsp. **polylepis**
[E] DD
- Platygyne dentata** Alain
[E] DD
- Platygyne hexandra** (Jacq.) Müll. Arg.
[E] LC
- Platygyne obovata** Borhidi
[E] A [1+2]
- Platygyne parvifolia** Alain
[E] A [1+2]
- Platygyne triandra** Borhidi
[E] DD
- Platygyne volubilis** Howard
[E] LC

Sapium adenodon Griseb.

[E] A[1+2+4]

Sapium daphnoides Griseb.

A [1+4]

Sapium laurifolium (A. Rich.) Griseb.

LC

Sapium leucogynum C. Wright

[E] A[1]

Tragia cubensis Urb.

[E] DD

Tragia gracilis Griseb.

[E] DD

Tragia volubilis L.

LC

PHYLLANTHACEAE

Astrocasia tremula (Griseb.) G. L. Webster

DD

SYNONYMS: *Phyllanthus glabellus* (L.) Fawc. & Rendle; *Phyllanthus tremulus* Griseb.

Chascotheca neopeltandra (Griseb.) Urb.

[E] LC

Flueggea acidoton (L.) G.L. Webster

LC

SYNONYMS: *Securinega acidoton* (L.) Fawc.

Hieronyma clusioides (Tul.) Griseb.

[E] A[1+2+4]

SYNONYMS: *Hieronyma pallida* Müll. Arg.

Hieronyma cubana Müll. Arg.

[E] A[1+2+4]

Hieronyma havanensis Urb.

[E] A[1+2+4]

COMMENTS: Threatened by logging and habitat degradation. Grows in serpentine outcrops.

Hieronyma nipensis Urb.

[E] NT

Hieronyma ovata Urb.

[E] DD

Hieronyma paucinervis Urb.

[E] A[1+2]

Margaritaria nobilis L.f.

LC

SYNONYMS: *Phyllanthus antillanus* (A. Juss.) Müll. Arg.

Margaritaria scandens (C. Wright ex Griseb.) G. L. Webster

NT

SYNONYMS: *Phyllanthus scandens* (C. Wright ex Griseb.) Müll. Arg.

Margaritaria tetracocca (Baill.) G. L. Webster

[E] A [1]

SYNONYMS: *Phyllanthus virens* (Griseb.) Müll. Arg.

Phyllanthus acuminatus Vahl

LC

SYNONYMS: *Phyllanthus brasiliensis* (Aubl.) Poir

Phyllanthus amarus Schumach. & Thonn.

LC

SYNONYMS: *Phyllanthus swartzii* Kostel.

Phyllanthus angustifolius (Sw.) Sw.

LC

Phyllanthus carnosulus Müll. Arg.

[E] DD

SYNONYMS: *Phyllanthus haplocladus* Urb.

Phyllanthus caroliniensis subsp. **saxicola** (Small) G. L. Webster

LC

Phyllanthus chamaecristoides subsp. **baracoensis** (Urb.) G.

L. Webster

[E] A [1]

Phyllanthus chamaecristoides Urb. subsp. **chamaecristoides**

[E] A [1]

Phyllanthus cinctus Urb.

[E] A [1+2]

COMMENTS: Threatened by mining.

Phyllanthus comptus G. L. Webster

[E] A [1+2]

Phyllanthus dimorphus Britton & P. Wilson

[E] A [1+4]

Phyllanthus discolor Poepp. ex Spreng.

[E] LC

Phyllanthus ekmanii G. L. Webster

[E] A [2+4]

Phyllanthus epiphyllanthus L. subsp. **epiphyllanthus**

LC

Phyllanthus epiphyllanthus subsp. **dilatatus** (Müll. Arg.) G.

L. Webster

[E] NT

Phyllanthus excisus Urb.

[E] A[1]

Phyllanthus formosus Urb.

[E] DD

Phyllanthus heliotropus C. Wright ex Griseb.

[E] A[4]

Phyllanthus incrustatus Urb.

[E] A[2]

Phyllanthus juglandifolius Willd. subsp. **juglandifolius**

LC

Phyllanthus junceus Müll. Arg.

[E] A[4]

Phyllanthus lindenianus Baill. var. **lindenianus**

DD

Phyllanthus maestrensis Urb.

[E] DD

Phyllanthus micranthus A. Rich.

[E] LC

Phyllanthus microdictyus Urb.

[E] A[2+4]

Phyllanthus mirificus G. L. Webster

[E] A[2+4]

Phyllanthus myrtilloides Griseb. subsp. **myrtilloides**

[E] LC

Phyllanthus myrtilloides subsp. **alainii** G. L. Webster

[E] A[1+2]

Phyllanthus myrtilloides subsp. **erythrinus** (Müll. Arg.) G.L.

Webster

[E] A[4]

Phyllanthus myrtilloides subsp. **shaferi** (Urb.) G. L. Webster

[E] A[2+4]

Phyllanthus myrtilloides subsp. **spathulifolius** (Griseb.) G.

L. Webster

[E] NT

Phyllanthus orbicularis Kunth

[E] LC

Phyllanthus pachystylus Urb.

[E] A[1+2+4]

Phyllanthus pentaphyllus C. Wright ex Griseb. subsp.

pentaphyllus

LC

Phyllanthus phlebocarpus Urb.

[E] A[4]

Phyllanthus procerus C. Wright

[E] LC

Phyllanthus pseudocicca Griseb.

[E] A [4]

Phyllanthus scopulorum (Britton) Urb.

[E] A [4]

Phyllanthus subcarnosus C. Wright ex Griseb.

A [1]

Phyllanthus tenuicaulis Müll. Arg. var. **tenuicaulis**

[E] DD

Phyllanthus williamioides Griseb.

[E] A [2+4]

Savia bahamensis Britton

LC

Savia clementis Alain

[E] A [1+2]

Savia clusiifolia Griseb.

[E] A [1+4]

Savia cuneifolia Urb.

[E] A [1+2+4]

Savia erythroxyloides Griseb. var. **erythroxyloides**

LC

Savia erythroxyloides var. **parvifolia** Urb.

[E] A [4]

Savia laurifolia Griseb.

[E] A [4]

Savia perlucens Britton

[E] A [4]

Savia sessiliflora (Sw.) Willd.

[E] LC

Preliminary categorization of taxa in
the Cuban flora - 2008. **Mimosaceae.**

by Rosa Rankin & Werner Greuter

Abarema aspleniifolia (Griseb.) Barneby & J. W. Grimes

[E] A [1+2]

Abarema nipensis (Britton) Barneby & J. W. Grimes

[E] A [1+2]

Abarema obovalis (A. Rich.) Barneby & J. W. Grimes

LC

Abarema oppositifolia (Urb.) Barneby & J. W. Grimes

A [1]

COMMENTS: In Cuba distributed in Cienfuegos, Sancti Spiritus, Granma, and Santiago de Cuba. It grows in montane rainforests. It is a rare species.

Calliandra colletioides Griseb. subsp. **colletioides**

[E] LC

Calliandra enervis (Britton) Urb.

[E] A [1+2]

COMMENTS: Distributed in Holguín and Guantánamo (Cuchillas de Moa-Toa).

Calliandra pauciflora (A. Rich.) Griseb. subsp. **pauciflora**

[E] LC

Calliandra pauciflora subsp. **nipensis** (Britton & Rose) Bässler

[E] A [2]

Chloroleucon guantanamense (Britton) Britton & Rose

A [1+2]

COMMENTS: In Cuba, distributed in Guantánamo (southern coast).

Chloroleucon mangense (Jacq.) Britton & Rose

LC

Cojoba arborea (L.) Britton & Rose

LC

Desmanthus leptophyllus Kunth

DD

COMMENTS: Distribution in Cuba to be studied (see Luckow 1993).

Desmanthus pernambucanus (L.) Thell.

DD

COMMENTS: Distribution in Cuba to be studied (see Luckow 1993).

Desmanthus pubescens B. L. Turner

DD

COMMENTS: Distribution in Cuba to be studied (see Luckow 1993).

Desmanthus virgatus (L.) Willd.

LC

Entada gigas (L.) Fawc. & Rendle

A [1]

COMMENTS: A very rare species. Its seeds are used in handicrafts.

Leucaena leucocephala (Lam.) de Wit

LC

Lysiloma latisiliquum (L.) Benth.

LC

Lysiloma sabicu Benth.

A [3]

Mimosa diplotricha C. Wright

LC

Mimosa ekmanii Urb.

[E] A [2]

Mimosa fagaracantha Griseb.

[E] LC

Mimosa pellita Humb. & Bonpl. ex Willd.

LC

Mimosa pudica L.

LC

Mimosa pulverulenta Urb.

[E] A [1+2]

COMMENTS: Distributed in Guantánamo (southern coast). Only known from two localities.

Mimosa viva L.

LC

Neptunia oleracea Lour.

A [1]

COMMENTS: In Cuba, distributed in Pinar del Río, Villa Clara, and Granma. Grows in ponds.

Neptunia plena (L.) Benth.

LC

Neptunia pubescens Benth.

LC

Pithecellobium bahamense Northr.

LC

Pithecellobium circinale (L.) Benth.

A [1+4]

COMMENTS: In Cuba, distributed in Las Tunas and Guantánamo. Known from sparse collections in coastal areas.

Pithecellobium histrix (A. Rich.) Benth.

LC

Pithecellobium keyense Britton

LC

Pithecellobium unguis-cati (L.) Mart.

A [1+4]

COMMENTS: In Cuba, distributed in a few keys and coastal localities in Matanzas, Isla de la Juventud, Villa Clara, and Sancti Spiritus.

Prosopis juliflora (Sw.) DC.

A [1+2+4]

COMMENTS: In Cuba, present in fewer than 10 localities.

Schrankia hamata Humb. & Bonpl. ex Willd.

A [1+2]

COMMENTS: In Cuba, distributed in Santiago de Cuba (southern coast).

Senegalia maschalocephala (Griseb.) Britton & Rose

[E] LC

Senegalia tenuifolia Britton & Rose

LC

Sphinga prehensilis (C. Wright) Barneby & J. W. Grimes

[E] LC

Vachellia choriophylla (Benth.) Seigler & Ebinger

NT [2]

Vachellia farnesiana (L.) Wight & Arn.

LC

Vachellia tortuosa (L.) Seigler & Ebinger

A [1+2+4]

COMMENTS: In Cuba, distributed in Santiago de Cuba and Guantánamo (in the southern coast). Known from three localities.

Zapoteca formosa (Kunth) H. M. Hern.

LC

Zapoteca gracilis (Griseb.) Bässler

LC

Zygia latifolia (L.) Fawc. & Rendle

A [1+2+4]

COMMENTS: In Cuba, distributed in Santiago de Cuba. Only known from one locality; perhaps extinct.

Referencias

Luckow, M. (1993). Monograph of *Desmanthus* (Leguminosae: Mimosoideae). *Syst. Bot. Monogr.* 38.

Preliminary categorization of taxa in the Cuban flora - 2008. *Myrtaceae*.

by Armando J. Urquiola, Roberto Novo, & Zenia Acosta

***Calycolpus beyeri* (Urb.) Urquiola comb. nov.**

[E] A [1+2+3]

COMMENTS: Distributed in Guantánamo (Yateras: Palenque in Cuchillas del Toa and Cayo Fortuna and between Riíto and Piloto Arriba), Holguín (Moa: Sierra de Moa, road between Mina Yarey and Moa and areas around Mina La Melba; Mayarí: Sierra de Nipe), and Santiago de Cuba (Segundo Frente: Sierra Cristal in the summit including Pico Cristal). Grows in xeromorphic, subspiny thickets on serpentine (charrascales) and rainforests on serpentine.

BASÓNIMO: *Eugenia beyeri* Urb. in Symb. Antill. 9:502. 1928.

***Calycolpus cristalensis* (Urb.) Bisse**

[E] A [1+2]

COMMENTS: Distributed in Santiago de Cuba (Sierra Cristal in the vicinity of Mandinga and the Levisa river valley). Grows in xeromorphic, subspiny thickets on serpentine (charrascales).

SYNONYMS: *Eugenia cristalensis* Urb.

***Calycolpus excisus* (Urb.) Bisse**

[E] A [1+2+3]

COMMENTS: Distributed in Holguín (Mayarí: Sierra de Nipe in Loma de la Bandera and El Winche; Moa: charrascal de Cayo Coco, La Vegita, Cayo Pino in the road to La Melba and in the vicinity of Aserrió de La Melba) and Guantánamo (Baracoa: Quibiján, Cayo Güin, Maraví river valley, Báez river, the hill south of Yunque de Baracoa and in the municipality of Yateras, in Cuchillas del Toa and Loma del Yarey). Grows in xeromorphic, subspiny thickets on serpentine, pine forests, and rainforests on serpentine and laterite.

SYNONYMS: *Eugenia excisa* Urb.

***Calycolpus nipensis* (Urb.) Bisse**

[E] A [1+2+3]

COMMENTS: Distributed in Holguín (Mayarí: Sierra de Nipe in charrascales of the Piloto river; Moa: charrascal de Cayo Coco, Jiguani river near Mina Yarey, and banks of the Yagrumaje river in the area of the bridge of the highway between Moa and Baracoa), Guantánamo (Yateras: in Palenque, Sierra del Frijol, Camino a Cayo Fortuna, and Cuchillas del Toa), and Santiago de Cuba (Segundo Frente: Sierra Cristal, headwaters of the Levisa river in the southern base of Pico Cristal). Grows in xeromorphic, subspiny thickets on serpentine and rainforests on serpentine.

SYNONYMS: *Eugenia nipensis* Urb.

***Calycolpus reversus* (Urb.) Bisse**

[E] A [1+2+3]

COMMENTS: Distributed in Guantánamo (Baracoa: Silla de Baracoa, Quibiján, Báez river, and Mina Iberia; Imías: La Demajagua; Palenque in Cuchillas del Toa y Cayo Fortuna), Holguín (Moa: road to La Melba and in the area of Aserrió de La Melba), and Santiago de Cuba (Sierra Cristal). Grows in xeromorphic, subspiny thickets

on serpentine (charrascales), pine forests, and rainforests on serpentine and laterite.

SYNONYMS: *Psidium reversum* Urb.

Calyptranthes enneantha C. Wright

[E] A [1+2]

COMMENTS: Distributed in Pinar del Río (from Sumidero in Minas de Matahambre to Guacamaya en La Palma). Grows in the vegetation complex on mogotes.

Calyptranthes insularis Bisse

[E] A [1+2]

COMMENTS: Distributed in Isla de la Juventud (in the sandy savannas of Los Indios).

Calyptranthes peninsularis Bisse

[E] A [1+2]

COMMENTS: Distributed in Matanzas (in the central part of the Zapata swamp).

Eugenia aceitillo Urb.

[E] A [1+2]

Eugenia anthacanthoides Urb. & Ekman

[E] A [1+2+3]

COMMENTS: Distributed in eastern Cuba and in the serpentine of Villa Clara where it is very threatened.

Eugenia axillaris (Sw.) Willd.

LC

Eugenia cristata C. Wright

[E] A [1+2+3]

COMMENTS: Distributed in central Cuba and Pinar del Río (Los Pretiles in Mantua, Sabanalamar, and Los Ocujes in Guane).

Eugenia farameoides A. Rich.

[E] LC

Eugenia galeata Urb.

[E] A [1+2]

Eugenia mensurensis Urb.

[E] A [1+2]

COMMENTS: Distributed in Holguín (La Mensura, Sierra de Nipe).

Eugenia puniceifolia (Kunth) DC.

A [1+2+3]

Eugenia rigidifolia A. Rich.

[E] A [1+2+3]

Eugenia rocana Britton & P. Wilson

[E] LC

Gomidesia lindeniana O. Berg

A [1+2+3]

COMMENTS: In Cuba, distributed in Santiago de Cuba (Gran Piedra, Loma del Gato, La Caridad, and Sierra Cristal).

Mosiera acunae (Borhidi & O. Muñiz) Bisse

[E] A [1+2+3]

COMMENTS: Distributed in Guantánamo (Yateras: Cuchillas del Toa, Cayo Fortuna), Holguín (Mayarí: Sierra de Nipe in Loma de la Mensura, banks of the Piloto river, Loma del Guruguru, Loma de la Bandera, Loma del Winche, Alto de la Estrella; Sierra Cristal: charrascales de Loma Saca la Lengua and in the vicinity of Mandinga; Moa: Cayo Probado and headwaters of the Jiguaní river), and Santiago de Cuba (Mella: Pinalito, near La Caridad). Grows in xeromorphic, subspiny thickets on serpentine (charrascales) and rainforest on serpentine.

SYNONYMS: *Myrtus acunae* Borhidi & O. Muñiz

Mosiera araneosa (Urb.) Bisse

[E] A [1+2]

COMMENTS: Distributed in Guantánamo (Baracoa: Maraví river, Báez river, La Cuaba, Loma de la Farola; Imías: La Demajagua and Sierra del Purial; Yateras: Palenque, Cuchillas del Toa, and Cayo Fortuna) and Holguín (Moa: Cuchillas de Moa, Aserrio de La Melba, and Mina Potosí). Grows in rainforest and xeromorphic, subspiny thickets on serpentine (charrascal).

SYNONYMS: *Psidium araneosum* Urb.

Mosiera baracoensis Bisse ex Urquiola & Z. Acosta

[E] A [1+2+4]

COMMENTS: Distributed in Guantánamo (Baracoa: Río Báez). Crece en bosques pluviales.

Mosiera bissei Urquiola & Z. Acosta

[E] A [1+2+3]

COMMENTS: Distributed in Guantánamo (Baracoa: rainforest south of el Yunque). Grows in montane rainforest on serpentine.

Mosiera bullata (Britton & P. Wilson) Bisse subsp. **bullata**

[E] A [1+2+4]

COMMENTS: Distributed in Camagüey (Camagüey: highway from Camagüey to Minas, in the vicinity of el Cromo, Alta Gracia, San Felipe, Sierra de Cubitas, and in Arroyo Blanco in Jatibonico), Sancti Spíritus (Cabaiguán: Jíquima de Peláez), and Villa Clara (Corralillo: Minas de Motembo southwest of the village). Grows in xeromorphic thickets on serpentine and savanas on serpentine.

SYNONYMS: *Psidium bullatum* Britton & P. Wilson

Mosiera bullata subsp. **leiophloea** (Urb.) Bisse

[E] A [1+2+3]

COMMENTS: Distributed in Holguín (Mayarí: Piedra river, Piloto river, Loma de la Bandera, Jimbambay valley, Cayo Saetia peninsula, and Sierra Cristal). Grows in gallery forests, montane rainforest, and xeromorphic, subspiny thickets on serpentine (charrascales).

SYNONYMS: *Psidium leiophloeum* (Urb.) Urb.

Mosiera cabanasensis (Britton & P. Wilson) Borhidi subsp. **cabanasensis**

[E] A [1+2+3+4]

COMMENTS: Distributed in Las Tunas (Puerto Padre) and Santiago de Cuba (Bahía de Cabañas, Punta Gorda in Bahía de Santiago, and between Santiago de Cuba and Campo Columbia). Grows in xeromorphic coastal and subcoastal thickets on limestone.

SYNONYMS: *Eugenia cabanasensis* Britton & P. Wilson

Mosiera cabanasensis subsp. **flavicans** (Urb. & Ekman) Borhidi

[E] A [1+2+3+4]

COMMENTS: Distributed in Guantánamo (Baracoa: Quibiján and Peladero de Jauco) and Holguín (Mayarí: Sierra de Nipe along the Piloto river and La Mensura; Moa: La Melba, near el Aserrió).

SYNONYMS: *Eugenia flavicans* Urb. & Ekman

Mosiera cabanasensis subsp. **pastelillensis** (Urb.) Borhidi

[E] A [1+2]

COMMENTS: Distributed in Camagüey (Nuevitás: Pastelillo peninsula in la loma de Punta Gorda). Grows in xeromorphic coastal and subcoastal thickets on limestone.

Mosiera calycolpoides (Griseb.) Borhidi subsp. **calycolpoides**

[E] A [1+2+3]

COMMENTS: Distributed in Guantánamo (Baracoa: rainforest south and northeast of el Yunque de Baracoa, Báez river, to the east of and up to the area of the Los Naranjos encampment, Loma de Buena Vista, and Altiplano de Mina Iberia), Holguín (Moa: near La Melba in el segundo Aserrió and banks of the Jiguani river; Mayarí: Sierra de Nipe along the Piloto river and the Piedra river), and Santiago de Cuba (Sierra Cristal: along the Levisa river). Grows in montane rainforest and plains.

SYNONYMS: *Psidium calycolpoides* Griseb.

Mosiera calycolpoides subsp. **jackii** (Urb.) Urquiola **comb. nov.**

[E] DD

COMMENTS: Reported for Sierra Maestra, in el arroyo del Cristo tributary of the Yara river, in rainforest; however, the scarcity of herbarium material does not even allow for confirming the actual existence of the species.

BASÓNIMO: *Psidium jackii* Urb. in Symb. Antill. 9:467. 1928.

Mosiera delriscoi (Borhidi & O. Muñiz) Borhidi

[E] A [1+2]

COMMENTS: Distributed in Holguín (Mayarí Arriba, Sierra Cristal, El Guisaso).

Mosiera ekmanii (Urb.) Bisse

[E] NT [1+2]

COMMENTS: Distributed in Guantánamo (Baracoa: Maguana, La Cuaba, Maraví river valley, Palenque, Cayo Fortuna, Cuchillas del Toa, Sierra del Frijol), Holguín (Mayarí: Sierra de Nipe, Sierra Cristal; Moa: Yamanigüey, Playa La Vaca, Loma del Yarey, Cayoguán, and Jiguani river), and Santiago de Cuba (Mella: Pinalito, near La Caridad). Grows in xeromorphic, subspiny thickets on serpentine (charrascales).

SYNONYMS: *Myrtus ekmanii* Urb.

Mosiera elliptica (C. Wright) Bisse subsp. **elliptica**

[E] A [1+2+3+4]

COMMENTS: Distributed in Santiago de Cuba (cercanías del aeropuerto de Santiago de Cuba, Loma Colorada, Aguadores, Morros de Santiago y Punta Gorda cerca de la Bahía). Grows in xeromorphic coastal thickets on limestone.

SYNONYMS: *Myrtus elliptica* C. Wright

Mosiera elliptica subsp. **camarioca** (C. Wright) Urquiola **comb. nov.**

[E] A [1+2+3+4]

COMMENTS: Distributed in Sancti Spíritus (Casilda), Villa Clara: (Manacas in Cartagena,

near Santiago; Monte Ramonal in the western savanna, Santo Domingo), and Matanzas (Jovellanos in San Miguel de los Baños, Loma de Jacán; Cárdenas in the loma Tetas de Camarioca south of Cantel; Canasí, lomas de Galindo, Ceiba Mocha, and Pan de Matanzas). Grows in thickets on sandy soil and xeromorphic, subspiny thickets on serpentine.

BASÓNIMO: *Eugenia camarioca* C. Wright in Anales Acad. Ci. Méd. Habana 5:431. 1868.

Mosiera guineensis (Sw.) Bisse

[E] A [1+2+3+4]

COMMENTS: Distributed in Guantánamo (Yateras: Palenque, Cuchillas de Toa, and Sierra del Frijol; La Prenda and Monte Libano) and Holguín (Pinares de Mayarí, Pinar Redondo along the road from la Chivera to Río Piloto). Grows in montane rainforest, pine forests, and xeromorphic, subspiny thickets on serpentine (charrascal).

SYNONYMS: *Psidium guineense* Sw.

Mosiera havanensis (Urb.) Bisse

[E] A [1+2+3+4]

COMMENTS: Distributed in Habana (Jaruco: Loma de la Pita), Havana City (Habana del Este: Loma de la Coca, Guanabacoa: hill southwest of Barreras), and Pinar del Río (Bahía Honda: Las Pozas southwest of the village). Grows in xeromorphic, subspiny thickets on serpentine (cuabales).

SYNONYMS: *Psidium havanense* Urb.

Mosiera longipes (O. Berg) Small

A [1+2]

COMMENTS: Distributed in Camagüey (Nuevitas: Pastelillo peninsula in la Loma de Punta Gorda and Playa Santa Lucía; Esperalda: Cayo Romano in la Playa del Inglés, road from Versalles to Playa del Muerto; Guáimaro: north of Monte Grande). Grows in xeromorphic coastal and subcoastal thickets, microphyllous evergreen forests, and shrub thickets, on limestone.

Mosiera macrophylla Bisse ex Urquiola & Z. Acosta

[E] A [1+2+4]

COMMENTS: Distributed in Guantánamo (Baracoa: La Cuaba, Quibiján, and the Taco and Báez rivers; Imías: headwaters of the Jojo river; Yateras: Cuchillas del Toa, Sierra del Frijol), Holguín (Mayarí: pinares de Mayarí, Piloto river, and Pinar Redondo; Moa: Cayoguán and road to La Melba), and Santiago de Cuba (Segundo Frente: Sierra Cristal in the Loma del Gallego). Grows in rainforest, pine forests, and xeromorphic, subspiny thickets on serpentine.

Mosiera moaensis (Britton & P. Wilson) Bisse

[E] A [1+2+3+4]

COMMENTS: Distributed in Holguín (Moa: Campo La Gloria, Cayo Probado, Mina Franklyn, and banks of the Cayoguán, Cabañas, Limones, Jiguani, and Yagrumaje rivers) and Guantánamo (Baracoa: Altiplano de Mina Iberia). Grows in gallery forests and riverbanks in xeromorphic, subspiny thickets on serpentine (charrascales).

SYNONYMS: *Eugenia moaensis* Britton & P. Wilson

Mosiera munizii (Borhidi) Bisse

[E] A [1+2]

COMMENTS: Distributed in Guantánamo (Palenque: Cuchillas del Toa and Cayo Fortuna) and Holguín (Sierra Cristal in the arroyo and sierra de Mícará). Grows in

rainforest and xeromorphic, subspiny thickets on serpentine.

Mosiera occidentalis Bisse ex Urquiola & Z. Acosta

[E] A[1+2+3+4]

COMMENTS: Distributed in Pinar del Río (Manua: arroyo de las Calenturas, Caracoles; Guane: Los Ocujes; San Juan, and Martínez: lomas de Contadores and Cayo Ratones). Grows in gallery forests and pine forests on quartzitic shale.

Mosiera oonophylla (Urb.) Bisse

[E] A[1+2+4]

COMMENTS: Distributed in Guantánamo (Maisí: El Diamante, Yumurí in Paredones de Jauco between Boca del Jauco and Monte Cristo). Grows in xeromorphic, spiny, coastal thickets on limestone.

SYNONYMS: *Eugenia oonophylla* Urb.

Mosiera wrightii subsp. **ophitcola** (Britton & P. Wilson) Bisse ex Urquiola **comb. nov.**

[E] A[1+2]

COMMENTS: Distributed in Holguín (Rafael Freire: Ceja de Melones). Grows in xeromorphic, spiny and subspiny thickets on serpentine.

BASÓNIMO: *Psidium ophitcola* Britton & P. Wilson in Mem. Torrey Bot. Club 16:8. 1920.

Mosiera yamanigüeyensis Bisse ex Urquiola & Z. Acosta

[E] A[1+2+4]

COMMENTS: Distributed in Holguín (Moa: Yamanigüey). Grows in xeromorphic, subspiny thickets on serpentine (charrascales).

Myrcia citrifolia (Aubl.) Urb.

A[1+2+3+4]

Myrcia maestrensis (Urb.) Alain

[E] A[1+2]

COMMENTS: Distributed in Granma and Santiago de Cuba (Sierra Maestra).

SYNONYMS: *Mozartia maestrensis* Urb.

Myrcia retivenia (C. Wright) Urb.

[E] A[1+2+3+4]

COMMENTS: Distributed in Sierra de Nipe in Holguín.

Myrcianthes fragrans (Sw.) Mc.Vaugh

LC

SYNONYMS: *Myrtus fragrans* Sw., *Eugenia fragrans* (Sw.) Willd.

Myrciaria floribunda (West) O. Berg

[E] NT [1+2+4]

COMMENTS: Distributed in eastern and central Cuba, but with small or fragmented populations in risk of decline in the next 10 years.

Myrciaria rubrinervis (Urb.) Z. Acosta **comb. nov.**

[E] A[1+2]

COMMENTS: Distributed in Pinar del Río (Minas de Matahambre: sierra Caliente in Sumidero, Viñales – mogote de Quemado – and La Palma: San Andrés de Caiguanabo).

BASÓNIMO: *Plinia rubrinervis* Urb. in Symb. Antill. 9:474. 1928.

Pimenta adenoclada (Urb.) Burret

[E] A [1+2+4]

COMMENTS: Distributed in Pinar del Río (Mantua: Los Pretiles and Playa la Cana); Habana (Jibacoa in Loma del Cerrote and Bahía de Cabañas), Camagüey (Nuevitas: Pastelillo peninsula), Granma (Niquero: Cabo Cruz), and Guantánamo (Imías: Medio river). Grows in xeromorphic, subspiny, coastal and subcoastal thickets and microphyllous evergreen forest (monte seco), on limestone or «mocarrero» soils that are sometimes inundated.

Pimenta cainitoides (Urb.) Burret

[E] A [1+2+4]

COMMENTS: Distributed in Holguín (Mayarí: Sierra de Nipe, banks of the Piedra and Piloto rivers) and Santiago de Cuba (Segundo Frente: Sierra Cristal, headwaters of the Levisa river; Sierra Maestra: Loma del Gato and Nagua river tributary to Yara). Grows in rainforest.

Pimenta dioica (L.) Merrill

LC

Pimenta ferruginea (Griseb.) Burret

[E] A [1+2+3+4]

COMMENTS: Distributed in Pinar del Río (Bahía Honda: El Morrillo; Mantua: Los Pretiles-Playa La Cana). Grows in thickets and microphyllous evergreen forest (monte seco), in coastal areas that flood sometimes.

Pimenta filipes (Urb.) Burret

[E] A [1+2+4]

COMMENTS: Distributed in Camagüey (Nuevitas: Pastelillo peninsula) and Las Tunas (Puerto Padre: La Resbalosa; Manatí: La Isleta). Grows in xeromorphic coastal and subcoastal thickets and microphyllous evergreen forests (monte seco) on coastal limestone.

Pimenta intermedia (Bisse) Urquiola **comb. nov.**

[E] A [1+2+4]

COMMENTS: Distributed in Cienfuegos (Trinidad, Loma del Burro). Grows on limestone.

BASÓNIMO: *Myrtekmania intermedia* Bisse in Revista Jard. Bot. Nac. Univ.

Habana 4:6. 1983.

Pimenta odiolens (Urb.) Burret

[E] A [1+2+3+4]

COMMENTS: Distributed in Guantánamo (Baracoa: charrascal of la Cuaba, Peña Prieta and banks of the Quiviján, Báez, and Toa rivers) and Holguín (Moa: Cayoguán river valley). Grows in xeromorphic, subspiny thickets on serpentine (charrascal), gallery forests, and rainforest on serpentine.

Pimenta oligantha (Urban) Burret

[E] A [1+2+3+4]

COMMENTS: Distributed in Holguín (Mayarí: Piedra river). Grows in xeromorphic, subspiny thickets on serpentine (charrascal). Known from the type and a few recent, but sterile, collections.

SYNONYMS: *Pimenta cubensis* Urb.

***Pimenta podocarpoides* (Areces) Landrum**

[E] A[1+2+3+4]

COMMENTS: Distributed in Guantánamo (Baracoa: Maraví river valley). Grows in xeromorphic, subspiny thickets on serpentine (charrascal) exclusively in this locality. Known only from the type collection.

SYNONYMS: *Myrtekmania podocarpoides* Areces

***Plinia baracoensis* Borhidi**

[E] A[1+2+3+4]

COMMENTS: Distributed in Guantánamo (Cuchillas del Toa in the Loma de Maguey; Palenque in the Loma del Yarey, near Cayo Fortuna; Felicidad Yateras in Monte Cristo and Baracoa in Quibiján, Cayo Güin, Yumurí river near Veguitas, and pine forests of the Maraví river). Grows in charrascales, rainforest, or in pine forests on limestone.

***Plinia cubensis* (Griseb.) Urb.**

[E] A[1+2+3+4]

COMMENTS: Distributed in Pinar del Río, in gallery forests along rivers on shale and serpentine, such as in Pan de Guajaibón.

***Plinia dermatodes* Urb.**

[E] A[1+2+3+4]

COMMENTS: Distributed in Pinar del Río (La Palma: Cajálbana high plateau; Bahía Honda: Toscano).

***Plinia formosa* Urb.**

[E] A[1+2+4]

COMMENTS: Distributed in Guantánamo (Baracoa: at the base and southeast slope of el Yunque de Baracoa, Báez river, Quibiján river, mogotes of Maguana, and Jaguaní river). Grows in gallery forest, rainforest, and the vegetation complex of mogotes.

***Plinia orthoclada* Urb.**

[E] A[1+2+3+4]

COMMENTS: Distributed in Pinar del Río (Sandino: San Ubaldo; Guane: Sabanalamar and Santa Teresa).

***Plinia punctata* Urb.**

[E] A[1+2+3+4]

COMMENTS: Distributed in Holguín (pine forests of Mayarí; Moa: in Farallones de Moa, banks of the Limones river, and Yagrumaje, Sierra Cristal north of the central cluster and the Loma Saca La Lengua and the Levisa river valley, El Toldo, and La Calinga) and Guantánamo (Báez river). Grows in charrascales, rainforest, and gallery forest.

***Plinia ramosissima* (Urb.) Urb.**

[E] A[1+2+3+4]

COMMENTS: Distributed in the Moa-Baracoa region, in gallery forests on serpentine.

***Plinia recurvata* Urb.**

[E] DD

COMMENTS: Distributed in Pinar del Río, only known from the type material (sterile) collected in Peña Blanca, Taco-Taco in San Cristóbal.

Plinia stenophylla Urb.

[E] A [1+2+3+4]

COMMENTS: Distributed in Holguín (Sierra de Nipe).

Pseudanamomis cati (Britton & P. Wilson) Bisse

[E] DD

COMMENTS: Reported from the Sierra Maestra, but of doubtful taxonomic status, it being necessary to make collections of material from the type locality.

SYNONYMS: *Eugenia cati* Britton & P. Wilson

Pseudanamomis catingiflora (Griseb.) Bisse

[E] A [1+2+3+4]

COMMENTS: Distributed in eastern Cuba and Pinar del Río (Guane: Santa Teresa) with small populations of few individuals.

SYNONYMS: *Eugenia catingiflora* Griseb.

Pseudanamomis cordata (Sw.) Bisse

LC

SYNONYMS: *Myrtus cordata* Sw.

Pseudanamomis cupuligera (Urb.) Bisse

[E] A [1+2+3+4]

COMMENTS: Distributed in Holguín (Sierra de Nipe and Cristal) and Santiago de Cuba (Sierra Cristal).

SYNONYMS: *Eugenia cupuligera* Urb.

Pseudanamomis gibberosa (Urb.) Bisse

[E] A [1+2]

COMMENTS: Distributed in the Sierra Maestra.

SYNONYMS: *Eugenia gibberosa* Urb.

Pseudanamomis jambosoides (Griseb.) Bisse

[E] A [1+2+4]

COMMENTS: Distributed in Pinar del Río (La Palma: Loma de Forneguera, Sagua region).

SYNONYMS: *Eugenia jambosoides* C. Wright ex Griseb.

Pseudanamomis maestrensis (Urb.) Bisse

[E] A [1+2]

COMMENTS: Distributed in eastern Cuba: Sierra Maestra.

SYNONYMS: *Eugenia maestrensis* Urb.

Pseudanamomis nipensis Bisse

[E] A [1+2+3+4]

COMMENTS: Distributed in Holguín (Sierra de Nipe in charrascales of la Loma del Winche and La Bandera).

Pseudanamomis victorinii (Alain) Bisse

[E] A [1+2]

COMMENTS: Distributed in the Isla de la Juventud (Los Indios).

SYNONYMS: *Eugenia victorinii* Alain

***Psidium celastroides* Urb.**

[E] DD

COMMENTS: Distributed in Sancti Spíritus (Montañas de Sigüanea-Trinidad, along the Hanabanilla river, Finca Playitas). Grows in forests on limestone at 600 m elevation. Herbarium evidence is not sufficient to allow for confirming the existence and actual distribution of the species.

***Psidium cymosum* Urb.**

[E] A[1+2]

COMMENTS: Distributed in Pinar del Río (La Palma: Cajálbana high plateau; Bahía Honda: serpentine in the vicinity of the village and in Las Pozas). Grows in xeromorphic, spiny thickets on serpentine, primarily near streams or riverbeds.

***Psidium minutifolium* Krug & Urb.**

[E] A[1+2+4]

COMMENTS: Distributed in Guantánamo (Baracoa: rainforest and summit of el Yunque de Baracoa, Quibján, Báez river near the Los Naranjos encampment, Mina Iberia, and banks of the Jiguaní river), Holguín (Mayarí: Sierra de Nipe along the Piloto river, Moa along the Cayuguán river, Jiguaní river in La Melba, arroyo Jaragua, and arroyo Grande in the Sierra de Moa), and Santiago de Cuba (Sierra Cristal in the charrascal of Saca la Lengua). Grows in montane rainforest and xeromorphic, spiny thicket on serpentine (charrascal).

***Psidium orbifolium* Urb.**

[E] A[1+2+3+4]

COMMENTS: Distributed in Granma/Santiago de Cuba (Sierra Maestra, arroyo Corajo near Nagua). Grows in montane rainforest.

***Psidium parvifolium* (Griseb.) Griseb.**

[E] LC

COMMENTS: This is the most widely distributed species of the genus in Cuba, with many populations having a very high number of individuals.

***Psidium rotundatum* Griseb.**

[E] A[1+2+3+4]

COMMENTS: Distributed in Pinar del Río (Candelaria: Sierra del Rosario in el Mulo; San Cristóbal: Peña Blanca, Santa Cruz river, and Rangel; Bahía Honda: Toscano and Las Pozas; La Palma: Sagua river; San Juan and Martínez: Guillen, Lomas de Contadores, Guane: el Zarzar and Mantua: arroyo de las Calenturas, Caracoles). Grows in gallery forests on serpentine or shale.

***Psidium salutare* Kunth**

A [1+2+3+4]

COMMENTS: In Cuba, distributed in Pinar del Río (Los Palacios: San Diego; Pinar del Río: Las Ovas; San Juan and Martínez; Viñales; Minas de Matahambre; Guane and Mantua) and in the Isla de la Juventud (Sierra de La Cañada). Grows in pine forests and savanas on shale and quartzitic sand.

***Psidium sartorianum* (O. Berg) Nied.**

A [1+2+3+4]

COMMENTS: In Cuba, distributed in Sancti Spíritus (Casilda and Cieneguita), Villa Clara (Motembo), Pinar del Río (Guane: Sábalo in Sabanalamar; Sandino: in the vicinity of the Los Negros swamp and La Grifa) and Matanzas (Lacret savanna and Jagüey Grande). Grows in thickets or microphyllous evergreen forest, on

siliceous sand or clayey sand, sometimes inundated. The populations have a small number of individuals.

SYNONYMS: *Calyptropsidium sartorianum* (O. Berg) Krug. & Urb.

Psidium scopulorum Ekman & Urb.

[E] A [1+2]

COMMENTS: Distributed in Pinar del Río (Minas de Matahambre: Sierra Caliente in Sumidero; Viñales: Sierra de Quemado, Viñales, and Ancón; La Palma Sierra de la Guacamaya, mogote de la Baliza; Los Palacios, Sierra de la Güira). Grows in the vegetation complex on mogotes, on the summit.

Psidium tomasianum Urb. & Ekman

[E] A [1+2]

COMMENTS: Distributed in Pinar del Río (Viñales: Sierra Sitio de Santo Tomás, Sierra de Quemado, Moncada). Grows in the vegetation complex on mogotes, on the summit.

Preliminary categorization of taxa in
the Cuban flora - 2008. **Orchidaceae** I.

by Alelí Morales

Atopoglossum ekmanii (Schltr.) Luer

[E] A[1]

Atopoglossum excentricum (Luer) Luer

[E] A[1]

Atopoglossum prostratum (H. Stenzel) Luer

[E] A[1]

Barbosella dussii (Cogn.) Dod

[E] A[1]

Barbosella parvum Cogn.

[E] A[1]

Lepanthopsis pygmaea C. Schweinf.

[E] A[1]

Octomeria ventii H. Diertr.

[E] A[1]

Platystele hyalina H. Stenzel

[E] A[1]

Pleurothallis angustifolia Lindl.

[E] A[1]

Pleurothallis appendiculata Cogn.

[E] A[1+2]

Pleurothallis aristata Hook.

[E] A[1+2+4]

Pleurothallis bissei Luer

[E] A[1]

Pleurothallis brighamii S. Watson

[E] A[1]

Pleurothallis caymanensis C.D. Adams

[E] A[1]

Pleurothallis corniculata (Sw.) Lindl.

LC

Pleurothallis denticulada Cogn.

LC

Pleurothallis domingensis Cogn.

[E] A[1]

Pleurothallis gelida Lindl.

[E] A[4]

- Pleurothallis gemina** H. Stenzel
[E] A [4]
- Pleurothallis grisebachiana** Cogn.
[E] A [4]
- Pleurothallis helenae** Fawc. & Rendle
[E] A [1]
- Pleurothallis llamachoi** Luer
[E] A [1]
- Pleurothallis longilabris** Lindl.
[E] A [1]
- Pleurothallis mucronata** Lindl. ex Cogn.
[E] A [4]
- Pleurothallis murex** Rchb.f.
[E] A [1+2+4]
- Pleurothallis nummularia** Rchb.f.
[E] A [1]
- Pleurothallis obliquipetala** Acuña & C. Schweinf.
[E] A [1]
- Pleurothallis oblongifolia** Lindl.
[E] A [1]
- Pleurothallis obovata** (Lindl.) Lindl.
[E] A [1]
- Pleurothallis odontopetala** Rchb.f.
[E] A [1]
- Pleurothallis oricola** H. Stenzel
[E] A [1+2]
- Pleurothallis papulifolia** Luer
[E] A [1]
- Pleurothallis prostrata** Lindl.
[E] A [1]
- Pleurothallis pruinosa** Lindl.
[E] DD
- Pleurothallis quadrifida** (La Llave & Lex.) Lindl.
[E] A [1+2]
- Pleurothallis rubroviridis** Lindl.
[E] A [1]
- Pleurothallis ruscifolia** (Jacq.) R.Br.
[E] A [1]
- Pleurothallis schaferi** Ames
[E] A [4]
- Pleurothallis sertularioides** (Sw.) Spreng.
[E] A [1]

Pleurothallis testifolia (Sw.) Lindl.

[E] A[1]

Pleurothallis tribuloides (Sw.) Lindl.

LC

Pleurothallis trichophora Lindl.

[E] A[1]

Pleurothallis trichyphus Rchb.f.

[E] A[1]

Pleurothallis wrightii Rchb.f.

[E] A[4]

Trichosalpinx dura (Lindl.) Luer

[E] A[1]

Trichosalpinx memor (Rchb.f.) Luer

[E] A[1]

Zootrophion atropurpureum (Lindl.) Luer

[E] A[1]

Preliminary categorization of taxa in
the Cuban flora - 2008. **Smilacaceae & Vitaceae.**

by Dasmiliá Cruz

SMILACACEAE

Smilax domingensis Willd.

LC

COMMENTS: Widely distributed throughout Cuba, persists in secondary vegetation.

Smilax havanensis Jacq.

LC

COMMENTS: Very common in Cuba, persists in secondary vegetation.

Smilax laurifolia L.

A [1+4]

COMMENTS: In Cuba, distributed in Pinar del Río, Habana, and Matanzas. Grows in swampy areas.

Smilax mollis Humb. & Bonpl. ex Willd.

A [4]

VITACEAE

Ampelocissus robinsonii Planch.

A [1+2]

Ampelopsis arborea (L.) Koehne

A [4]

COMMENTS: In Cuba, distributed in Pinar del Río (Península de Guanahacabibes and Matahambre) and Matanzas (Ciénaga de Zapata). Known from few collections.

Cissus alata Jacq.

LC

Cissus gossypiifolia Standl.

A [4]

COMMENTS: In Cuba, distributed in Pinar del Río (Península de Guanahacabibes), Matanzas (Ciénaga de Zapata), and Isla de la Juventud (Punta del Este). Known from few collections.

Cissus intermedia A. Rich.

LC

Cissus microcarpa Valh

LC

Cissus obovata Vahl

LC

Cissus trifoliata L.

LC

Cissus verticillata (L.) Nicolson & C. E. Jarvis subsp. **verticillata**

LC

Cissus wrightiana Planch.

A [1+4]

COMMENTS: In Cuba, known from few collections.

Partenocissus quinquefolia (L.) Planch.

LC

Vitis tiliifolia Humb. & Bonpl. ex Roem. & Schult.

LC

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