

FLORA DIGITAL DE LA SELVA

Organización para Estudios Tropicales
Michael Grayum* , 30-Oct.-2009

NEW INFRAGENERIC TAXA OF VASCULAR PLANTS DESCRIBED FOR LA SELVA SINCE 1979

(N.B.: herbarium data are not necessarily comprehensive)

I. Accepted species¹

A. Type from La Selva

- Adiantum reptans* A. Rojas (2007; *M. Jones 14*, CR).
Aegiphila quararibea Rueda (1994; *R. M. Rueda 1414*, CR).
Aristolochia cruenta Barringer (1983; *B. E. Hammel 10242*, DUKE).
Aristolochia gorgona M. A. Blanco (2002; *M. A. Blanco 1752*, CR, USJ, MO, NY).
Asplundia ferruginea Grayum & Hammel (1982; *B. E. Hammel 10759*, DUKE).
Asplundia sleeperae Grayum & Hammel (1982; *M. H. Grayum 2791*, DUKE).
Calathea gloriana H. Kenn. (1997; *H. Kennedy 4545*, CR).
Calathea hammelii H. Kenn. (1997; *B. E. Hammel 9615*, DUKE).
Carludovica sulcata Hammel (1986; *B. E. Hammel 13330*, CR, DUKE).
Chorogyne pendula (Hammel) R. Erikss. (1986; *B. E. Hammel 9528*, CR, DUKE).
Chrysochlamys silvicola (Hammel) Hammel (1986; *B. E. Hammel 9404*, CR, DUKE).
Cinnamomum chavarrianum (Hammel) Kosterm. (1986; *B. E. Hammel 11931*, MO).
Clidemia hammelii Almeda (1989; *B. E. Hammel 9682*, CAS, DUKE).
Clusia cylindrica Hammel (1986; *B. E. Hammel 8635*, CR, DUKE).
Coussarea nigrescens C. M. Taylor & Hammel (1991; *B. E. Hammel 10383*, DUKE).
Coussarea psychotrioides C. M. Taylor & Hammel (1991; *J. H. Beach 1467*, CR, DUKE).
Cymbopetalum torulosum G. E. Schatz (1985; *G. E. Schatz 1029*, CR, MO).
Dalechampia websteri Armbr. (1984; *W. S. Armbruster 79-207*, CR, DAV).
Dicranopygium umbrophilum Hammel (1986; *B. E. Hammel 12386*, CR, DUKE).
Dieffenbachia hammelii Croat & Grayum (1999; *M. H. Grayum 7670*, CR, MO).
Elaphoglossum correae Mickel (1992; *R. M. Lloyd 4284*, NY).
Elaphoglossum maritzae A. Rojas (1997; *I. A. Chacón 1136*, CR).
Eugenia hartshornii Barrie (2005; *G. S. Hartshorn 1249*, CR, MO).
Eugenia selvana Barrie (2005; *B. E. Hammel 8662*, MO, F).
Guarea ciliata Al. Rodr. (2006; *A. Rodríguez 8400*, CR, F, GH, INB, MO, NY).

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Guarea gentryi Coronado (2006; *J. Folsom 9404*, F, MO).
Hillia grayumii C. M. Taylor (1991; *M. H. Grayum 2793*, DUKE).
Hymenandra squamata (Lundell) Pipoly & Ricketson (1984; *W. C. Burger 5853*, F).
Justicia sarapiquensis McDade (1982; *B. E. Hammel 7896*, DUKE).
Licaria sarapiquensis Hammel (1986; *B. E. Hammel 8663*, MO).
Lophanthera hammelii W. R. Anderson (1983; *B. E. Hammel 9397*, DUKE, MICH).
Miconia calocoma Almeda (1989; *J. Folsom 9776*, CAS, DUKE).
Miconia commutata Almeda (2005; *B. E. Hammel 11237*, CAS, DUKE).
Miconia grayumii Almeda (1989; *T. McDowell 576*, CAS, DUKE).
Monstera glaucescens Croat & Grayum (1997; *M. H. Grayum 8972*, MO).
Nectandra hypoleuca Hammel (1986; *B. E. Hammel 9111*, CR).
Notopleura capitata C. M. Taylor (2003; *B. E. Hammel 11624*, DUKE, MO).
Ocotea hartshorniana Hammel (1986; *B. E. Hammel 11932*, DUKE).
Ormosia intermedia N. Zamora (2006; *B. E. Hammel 9625*, CAS, DUKE, K, MO, NY).
Palmorchis sordida Dressler (1997; *M. H. Grayum 2871*, MO).
Philodendron angustilobum Croat & Grayum (1997; *M. H. Grayum 8302*, MO).
Philodendron herbaceum Croat & Grayum (1992; *M. H. Grayum 7672*, CR, MO).
Plukenetia stipellata L. J. Gillespie (1993; *L. J. Gillespie 413*, CR, US).
Pouteria silvestris T. D. Penn. (1990; *G. S. Hartshorn 1430*, CR, FHO).
Quararibea pumila W. S. Alverson (1984; *W. S. Alverson 1909*, CR, WIS).
Razisea wilburii McDade (1982; *R. L. Wilbur 28248*, DUKE).
Ruellia palustris Durkee (1986; *B. E. Hammel 9341*, DUKE).
Sapranthus viridiflorus G. E. Schatz (1998; *G. E. Schatz 963*, CR, MO).
Scaphyglottis atwoodii Dressler (1997; *C. A. Todzia 962*, MO).
Sloanea geniculata Dam. A. Sm. (1996; *R. L. Wilbur 34183*, CR, DUKE).
Sloanea laevigata Dam. A. Sm. (1996; *B. E. Hammel 11654*, CR, DUKE).
Stelis hammelii Luer (2001; *B. E. Hammel 12374*, MO).
Stromanthe palustris H. Kenn. (1999; *B. Kirchoff 6578*, CR).
Symplocos striata Kriebel & N. Zamora (2004; *J. Sperry 817*, CR, DUKE).
Syngonium rayi Croat & Grayum (1997; *H. Luther s.n.*, INB²).
Unonopsis hammelii G. E. Schatz & Maas (2007; *B. E. Hammel 11608*, CR, DUKE, F, MO, US).

B. Type from elsewhere

Alseis costaricensis C. M. Taylor (2002; type from Prov. Puntarenas).
Ampelocera macrocarpa Forero & A. H. Gentry (1984; type from Colombia).
Anthurium austin-smithii Croat & R. A. Baker (1979; type from Prov. Alajuela).
Anthurium bradeanum Croat & Grayum (1991; type from Panama).
Anthurium llanense Croat (1986; type from Panama).
Anthurium ravenii Croat & R. A. Baker (1979; type from Panama).
Anthurium upalaense Croat & R. A. Baker (1979; type from Prov. Alajuela).
Arachis pintoii Krapov. & W. C. Gregory (1994; type from Brazil).
Blakea scarlatina Almeda (1990; type from Prov. Alajuela).
Cissus anisophylla Lombardi (1997; type from Ecuador).
Clusia croatii D'Arcy (1981; type from Panama).

Clusiella isthmensis Hammel (1999; type from Prov. Limón).
Cordia correae J. S. Mill. (1988; type from Panama).
Cyperus costaricensis Gómez-Laur. (1982; type from Prov. Alajuela).
Dichaea sarapiquensis Folsom (1994; type from Prov. Heredia³).
Dichorisandra amabilis J. R. Grant (2000; type from Prov. Puntarenas).
Dieffenbachia beachiana Croat & Grayum (1999; type from Panama).
Dieffenbachia concinna Croat & Grayum (1999; type from Prov. Puntarenas).
Dieffenbachia grayumiana Croat (1999; type from Prov. Limón).
Dieffenbachia nitidipetiolata Croat & Grayum (2004; type from Panama).
Dieffenbachia tonduzii Croat & Grayum (1999; type from Panama).
Dryadella odontostele Luer (1996; type from Panama).
Drymonia rubripilosa Kriebel (2006; type from Prov. Limón).
Drymonia submarginalis Gómez-Laur. & Chavarría (1995; type from Prov. Alajuela).
Dussia atropurpurea N. Zamora, R. T. Penn. & C. H. Stirt. (1999; type from Prov. Guanacaste).
Elaphoglossum variabile A. Rojas (2003; type from Prov. Alajuela).
Epidendrum trialatum Hágsater (1984; type from Panama).
Eschweilera costaricensis S. A. Mori (1987; type from Prov. Heredia³).
Eugenia corusca Barrie (2005; type from Prov. Alajuela).
Eugenia glandulosopunctata P. E. Sánchez & Poveda (1986; type from Prov. San José).
Eugenia hammelii Barrie (2005; type from Prov. Puntarenas).
Eugenia lithosperma Barrie (2005; type from Prov. Alajuela).
Ficus cahuitensis C. C. Berg (1981; type from Prov. Limón).
Guarea pilosa Al Rodr. (2006; type from Prov. Alajuela).
Guzmania desautelsii Read & L. B. Sm. (1983; type from Panama).
Heliconia mathiasiae G. S. Daniels & F. G. Stiles (1979; type from Prov. Limón).
Heliconia sarapiquensis G. S. Daniels & F. G. Stiles (1979; type from Prov. Heredia).
Heliconia trichocarpa G. S. Daniels & F. G. Stiles (1979; type from Prov. Alajuela).
Heliconia umbrophila G. S. Daniels & F. G. Stiles (1979; type from Prov. Heredia).
Heteropterys panamensis Cuatrec. & Croat (1981; type from Panama).
Homalomena hammelii Croat & Grayum (1997; type from Prov. Heredia³).
Hybanthus denticulatus H. E. Ballard, Wetter & N. Zamora (1997; type from Prov. Puntarenas).
Hymenolobium mesoamericanum H. C. Lima (1988; type from Prov. Heredia).
Ilex skutchii Edwin ex T. R. Dudley & W. J. Hahn (1996; type from Prov. San José).
Lasianthus panamensis (Dwyer) Robbr. (1980; type from Panama).
Lonchocarpus ferrugineus M. Sousa (1987; type from Prov. Heredia).
Lonchocarpus latisiliquus M. Sousa (2005; type from Panama).
Manettia longipedicellata C. M. Taylor (1995; type from Prov. Limón).
Maxillaria hedwigiae Hamer & Dodson (1983; type from Guatemala).
Maxillaria lueri Dodson (1980; type from Ecuador).
Maxillaria moralesii Carnevali & J. T. Atwood (1996; type from Prov. Alajuela).
Maxillaria nicaraguensis (Hamer & Garay) J. T. Atwood (1985; type from Nicaragua).
Miconia stevensiana Almeda (1983; type from Nicaragua).
Mimosa tarda Barneby (1991; type from Peru).
Monstera molinae Grayum (1997; type from Prov. Guanacaste).

Moutabea gentryi T. Wendt (2000; type from Panama).
Naucleopsis capirensis C. C. Berg (1996; type from Panama).
Niphidium oblanceolatum A. Rojas (1996; type from Prov. Alajuela).
Notopleura capacifolia (Dwyer) C. M. Taylor (1980; type from Panama).
Nymphaea conardii Wiersema (1984; type from Venezuela).
Ocotea valerioides W. C. Burger (1990; type from Prov. Alajuela).
Pentagonia monocalis C. M. Taylor (2002; type from Prov. Heredia³).
Persea silvatica van der Werff (1990; type from Prov. Heredia³).
Philodendron alliodorum Croat & Grayum (1992; type from Prov. San José).
Philodendron aromaticum Croat & Grayum (1997; type from Prov. Limón).
Philodendron bakeri Croat & Grayum (1997; type from Prov. Guanacaste).
Philodendron brunneicaule Croat & Grayum (1997; type from Panama).
Philodendron cretosum Croat & Grayum (1997; type from Panama).
Philodendron davidsonii Croat (1983; type from Prov. Limón).
Philodendron ensifolium Croat & Grayum (1992; type from Prov. Limón).
Philodendron opacum Croat & Grayum (1992; type from Panama).
Philodendron wilburii Croat & Grayum (1997; type from Prov. Alajuela).
Phoradendron burgeri Kuijt (2003; type from Prov. Puntarenas).
Potalia turbinata Struwe & V. A. Albert (2004; type from Prov. Limón).
Pouteria bracteata T. D. Penn. (1990; type from Colombia).
Prestonia riverae J. F. Morales (1997; type from Prov. Guanacaste).
Psychotria calidicola C. M. Taylor (2004; type from Prov. Limón).
Quararibea pendula W. S. Alverson (1989; type from Prov. Limón).
Randia genipoides Dwyer (1993; type from Prov. Alajuela).
Randia mira Dwyer (1980; type from Panama).
Razisea villosa Gómez-Laur. & Hammel (1994; type from Prov. Puntarenas).
Rhodospatha pellucida Croat & Grayum (1999; type from Panama).
Richeria dressleri G. L. Webster (1988; type from Panama).
Sclerolobium costaricense N. Zamora & Poveda (1991; type from Prov. Alajuela).
Sloanea rugosa Dam. A. Sm. (1996; type from Prov. Heredia³).
Sobralia chrysostoma Dressler (2001; type from Prov. Alajuela).
Spachea correae Cuatrec. & Croat (1981; type from Panama).
Stemmadenia abbreviata J. F. Morales (1999; type from Prov. Heredia³).
Stephanopodium costaricense Prance (1995; type from Prov. Puntarenas).
Syngonium triphyllum Birdsey ex Croat (1982; type from Prov. Heredia³).
Tetrapterys skutchii W. R. Anderson (1993; type from Prov. San José).
Topobea dimorphophylla Almeda (2001; type from Prov. Heredia³).
Vouarana anomala (Steyerm.) Acev.-Rodr. (1988; type from Venezuela).
Zamia neurophyllidia D. W. Stev. (1993; type from Panama).

II. Accepted hybrids

A. Type from La Selva

Lomariopsis × *farrarii* R. C. Moran & J. E. Watkins (2004; *R. C. Moran 6691*, INB).

B. Type from elsewhere

Adiantum ×*variopinnatum* Jermy & T. G. Walker (1985; type from Trinidad).

III. Accepted infraspecific taxa (all with type from elsewhere)

Philodendron rhodoaxis G. S. Bunting subsp. *lewisii* Croat & Grayum (1996; type from Prov. Limón).

Raritebe palicoureaoides Wernham subsp. *dwyerianum* J. H. Kirkbr. (1979; type from Panama).

Thelypteris decussata (L.) Proctor var. *costaricensis* A. R. Sm. (1980; type from Prov. San José).

Thelypteris leprieurii (Hook.) R. M. Tryon var. *subcostalis* A. R. Sm. (1980; type from Prov. San José).

IV. Heterotypic synonyms with type from La Selva

Auriculardisia sarapiquiensis Lundell (1987; *B. E. Hammel 13262*, DUKE, LL) [= *Hymenandra stenophylla* (Donn. Sm.) Pipoly & Ricketson].

Auriculardisia wilburiana Lundell (1987; *B. Jacobs 2917*, DUKE, LL) [= *Hymenandra stenophylla* (Donn. Sm.) Pipoly & Ricketson].

Chamaedorea selvae Hodel (1991; *W. C. Burger 4337*, CR, F) [= *C. lucidifrons* L. H. Bailey].

Cyperus amplus G. C. Tucker (1983; *B. E. Hammel 10752*, CR, DUKE) [= *C. costaricensis* Gómez-Laur.].

Inga callicarpa N. Zamora (1991; *B. E. Hammel 13081*, CR) [= *I. venusta* Standl.].

Parathesis longipetiolata Lundell (1987; *B. E. Hammel 10939*, LL) [= *P. trichogyne* Hemsl.].

Sphaeradenia carrilloana Grayum & Hammel (1982; *B. E. Hammel 10782*, DUKE) [= *S. acutitepala* Harling].

¹For names with parenthetical authorities, date and type citations pertain to the basionym.

²Type from a plant cultivated at SEL; original field collection from La Selva.

³Type locality quite near La Selva, e.g., off the south boundary, near Puerto Viejo, along the Río Sucio, or on the road to Río Frío.