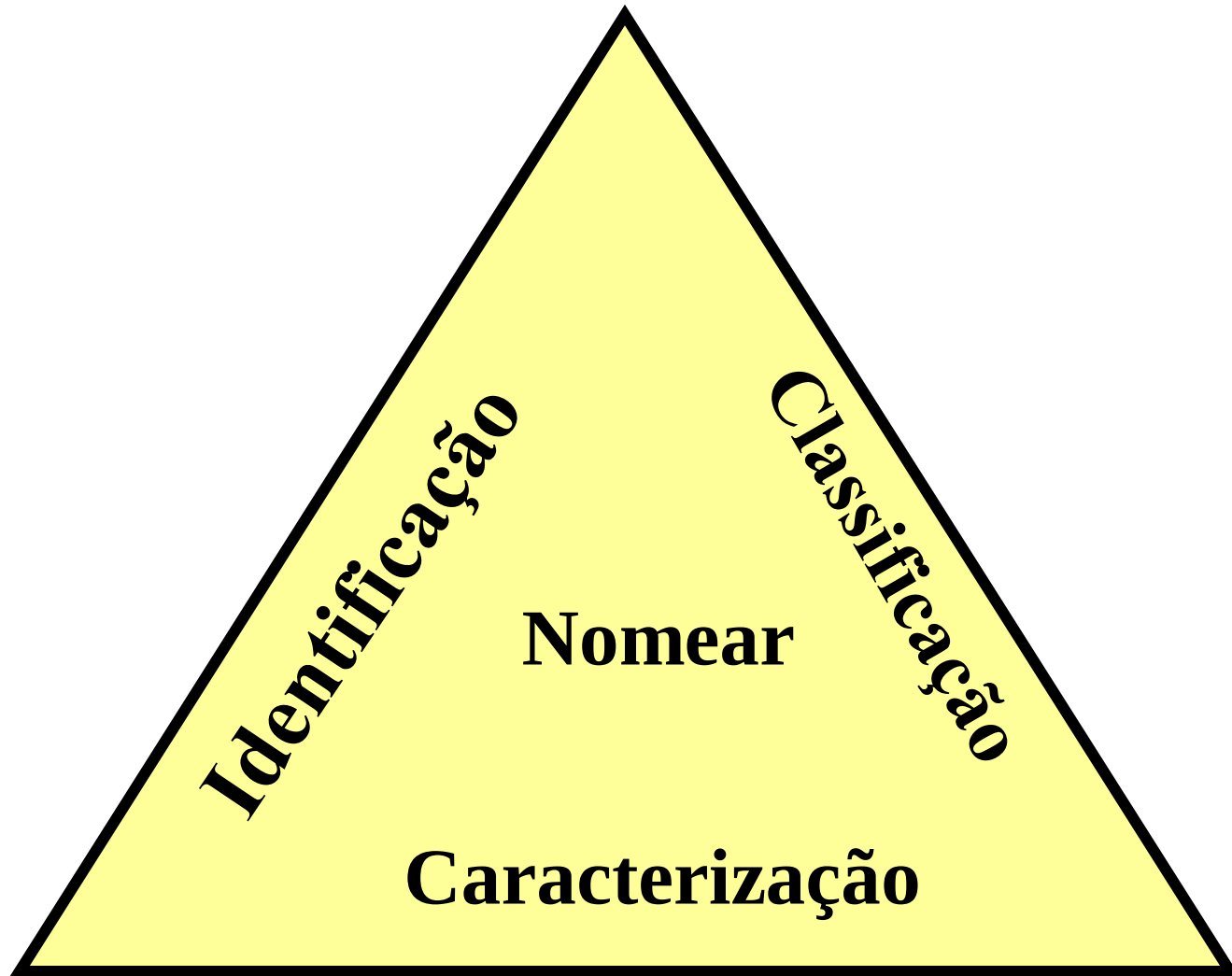


Taxonomia Vegetal

A taxonomia está fundamentada na proposição de que existe uma diversidade biológica mundial e que suas unidades podem ser identificadas, classificadas, nomeadas (e descritas) e logicamente relacionadas num sistema evolutivo.



Radford 1986

Classificar = dispor em
determinada ordem

Sistemas de Classificação

Engler (1892)

Divisão: **Angiospermae**

Classes: **Monocotiledôneas e Dicotiledôneas**

Dicotiledôneas (subclasses):

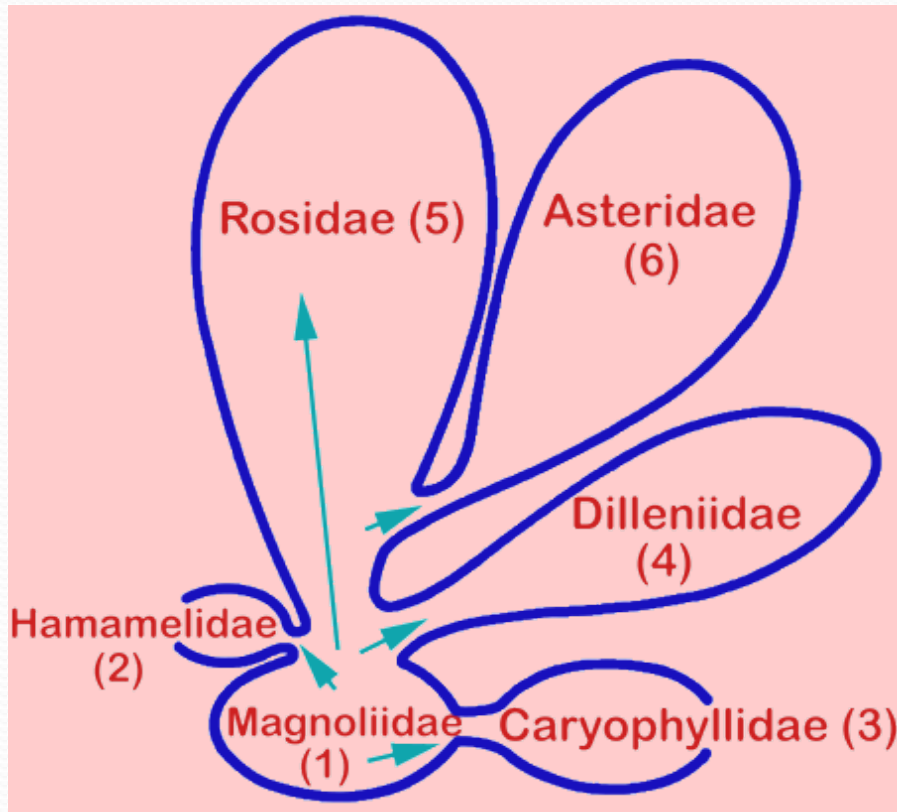
Archyclamidae: plantas com flores aclamídeas ,
monoclamídeas ou diclamídeas dialipétalas;

Sympetalae ou **Metacclamídeas**: plantas com flores
diclamídeas simpetalas ;

Cronquist 1988

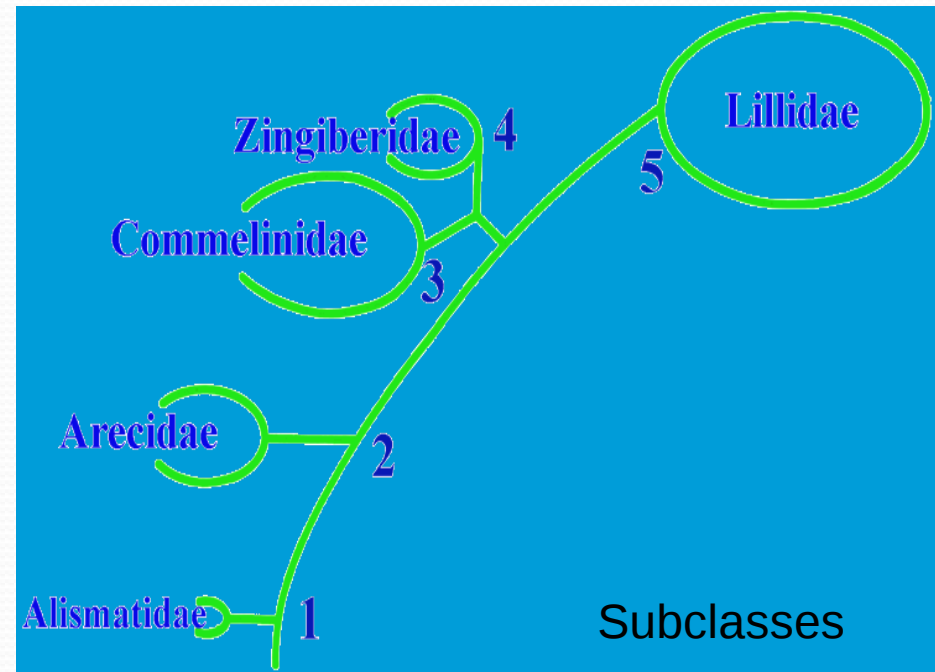
Divisão: Magnoliophyta

Classe: Magnoliopsida = Dicots



Subclasses

Classe: Liliopsida = Monocots



Tree of life web project

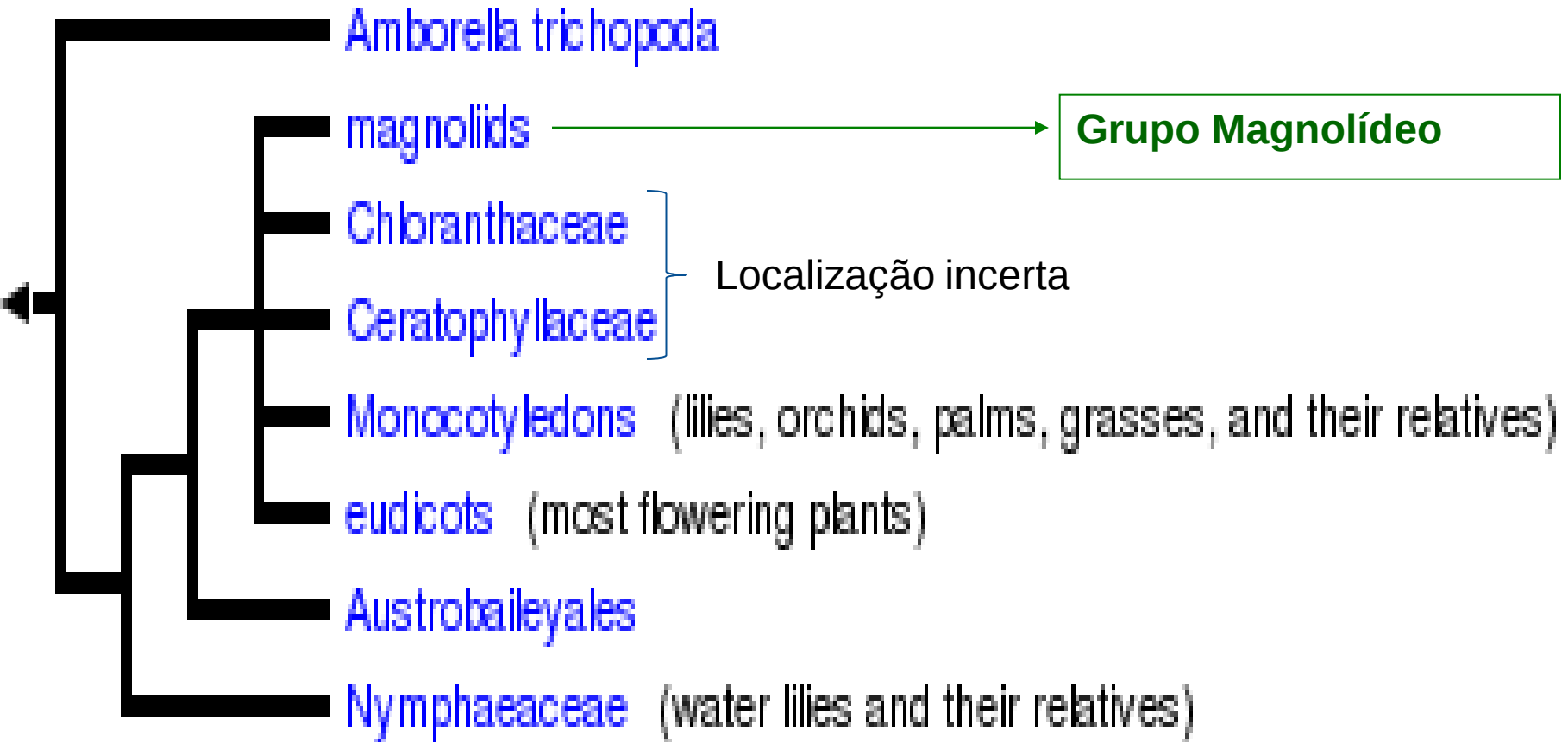
[<http://tolweb.org/tree/>]



APG (2003) www.tolweb.org

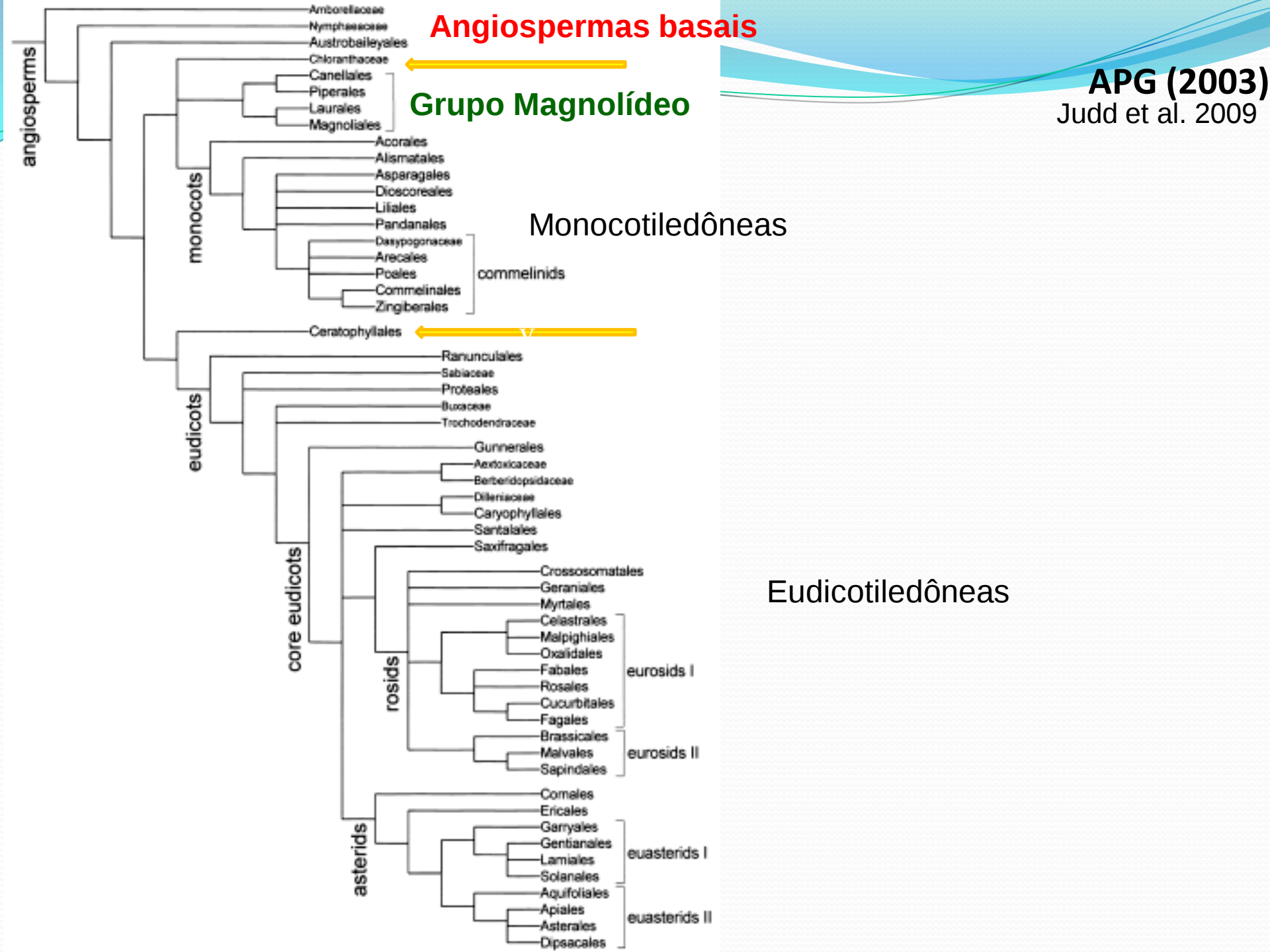
Soltis, Soltis, Edward 2005

Angiospermas basais





Relationships after Qiu et al. (1999, 2000), P. Soltis et al. (1999), D. E. Soltis et al. (2000), Zanis et al. (2002) and Hilu et al. (2003).



http://www.mobot.org/MOBOT/Research/APweb/welcome.html

Angiosperm Phylogeny Website - Windows Internet Explorer

http://www.mobot.org/MOBOT/Research/APweb/welcome.html

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Angiosperm Phylogeny Website

HOME TREES APOMORPHIES ORDERS FAMILIES CHARACTERS SEARCH LINKS
STATISTICS STUDENTS Angiosperm Phylogeny Website REFERENCES GLOSSARY

Click here for Abbreviations

Angiosperms
Embryophytes
Ferns s.l.
Gymnosperms
Seed Plants

Acorales
Alismatales
Amborellales
Apiales
Aquifoliales
Arecales
Asparagales
Asterales
Astrobaileyales
Berberidopsidales
Brassicales
Buxales
Canellales
Caryophyllales
Celastrales
Ceratophyllales
Chloranthales
Commelinales
Cornales
Crossosomatales
Cucurbitales
Cycadales
Dilleniales
Dioscoreales
Dipsacales
Ericales
Fabales
Fagales
Garryales
Gentianales
Geraniales
Ginkgoales
Gnetales
Gunnerales

Links

- [Floras](#)
- [General Systematic/Taxonomic Resources](#)
- [Image Resources](#)
- [Phylogenies, etc.](#)
- [Family sites](#)

- [Floras, arranged alphabetically by country.](#) [\[Back to Top\]](#)

Australia: West Australia [FloraBase](#).

Canada: [Flora of North America](#)

United States: [Flora of North America](#). Hawaii

[A Synonymized Checklist of the Vascular Flora of the United States, Puerto Rico, and the Virgin Islands](#)

- [General Systematic/Taxonomic Resources](#) [\[Back to Top\]](#)

[DELTA Interactive Keys and Databases](#)

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Morf_tax_Spermt_1 A0_Introducao [Mo... A1_Fontes_inform... Angiosperm Phylog...

PT 16:07

Angiosperm Phylogeny Website - Windows Internet Explorer

http://www.mobot.org/MOBOT/Research/APweb/welcome.html

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Angiosperm Phylogeny Website

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Click here for Abbreviations

Angiosperms
Embryophytes
Ferns s.l.
Gymnosperms
Seed Plants

Acorales
Alismatales
Amborellales
Apiales
Aquifoliales
Arecales
Asparagales
Asterales
Astrobaileyales
Berberidopsidales
Brassicales
Buxales
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Caryophyllales
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Crossosomatales
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Dilleniales
Dioscoreales
Dipsacales
Ericales
Fabales
Fagales
Garryales
Gentianales
Geraniales
Ginkgoales
Gnetales
Gunnerales

45/ : [Coccothrinax](#) (50). Pan tropical (to warm temperate), fewer in South America (Map: from Uhl & Dransfield 1987).

Synonymy: **Borassaceae** Schultz-Schultzenstein, **Coryphaceae** Schultz-Schultzenstein, **Phoeniciaceae** Burnett, **Sabalaceae** Schultz-Schultzenstein

4. Ceroxyloideae Drude

SiO₂ bodies ± spherical; flowers solitary along the rhachis, (K and C elongate); (seeds more than 3).

8/42. Mostly Central and W. South America, also N.E. Australia, Madagascar, Florida and the Antilles (Map: from Uhl & Dransfield 1987).

Synonymy: **Phytelephaceae** Perleb

5. Arecoideae Burnett

Inflorescence with prophyll and bract(s); plant usually monoecious with flowers in triads [central flower carpellate, lateral flowers staminate] or dioecious with flowers in monopodial inflorescences; (1 G fertile), styles + (style +, short or long); n = 16.

112/ : [Bactris](#) (240), [Dypsis](#) (140), [Pinanga](#) (120), [Chamaedorea](#) (110), [Geonoma](#) (75), [Desmoncus](#) (65<), [Areca](#) (60), [Astrocaryum](#) (50). Pantropical, the most diverse subfamily in South America (Map: from Uhl & Dransfield 1987).

Synonymy: **Acristaceae** O. F. Cook, **Ceroxylaceae** O. F. Cook, **Chamaedoraceae** O. F. Cook, **Cocosaceae** Schultz-Schultzenstein, **Geonomataceae** O. F. Cook, **Iriarteaceae** O. F. Cook & Doyle, **Malortieaceae** O. F. Cook, **Manicariaceae** O. F. Cook, **Pseudophoeniciaceae** O. F. Cook, **Synechanthaceae** O. F. Cook

- Arecaceae can be recognised by their woody stems, large, tough, petiolate leaves with plicate and often apparently compound blades, axillary inflorescences (but [Corypha](#), etc.!) with numerous flowers, and 1-seeded fruits. Cyclanthaceae can be similar vegetatively, but their petioles are usually less woody and the leaf never has a hastula, an adaxial flap-like structure at the apex of the petiole.

Internet | Modo Protegido: Ativado

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16:10

Morf_tax_Spermt_1

A0_Introducao [Mo...

Angiosperm Phylog...

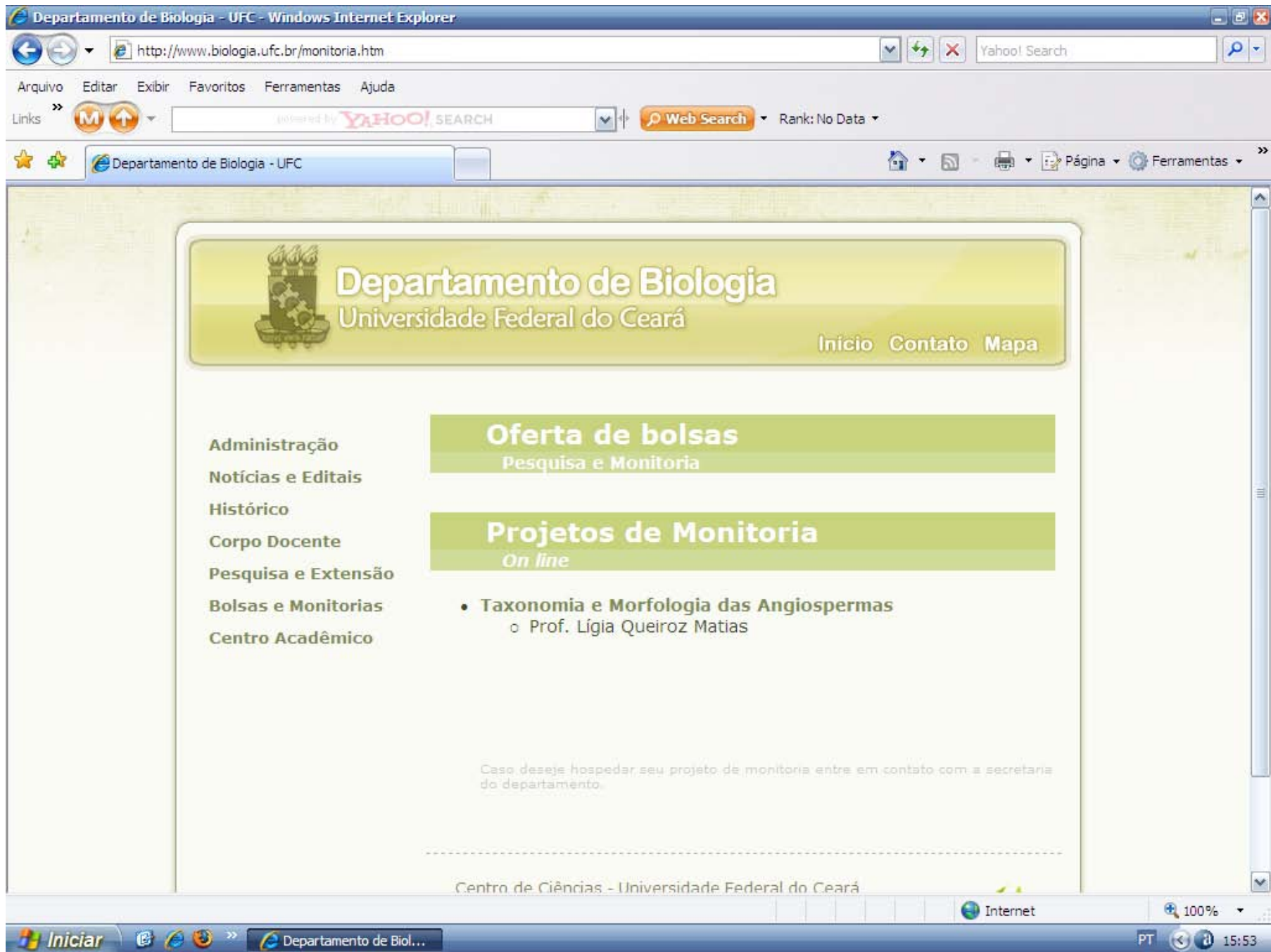
Chaves de identificação

Carlos Vianna Freire – Chave de identificação
das angiospermas brasileiras

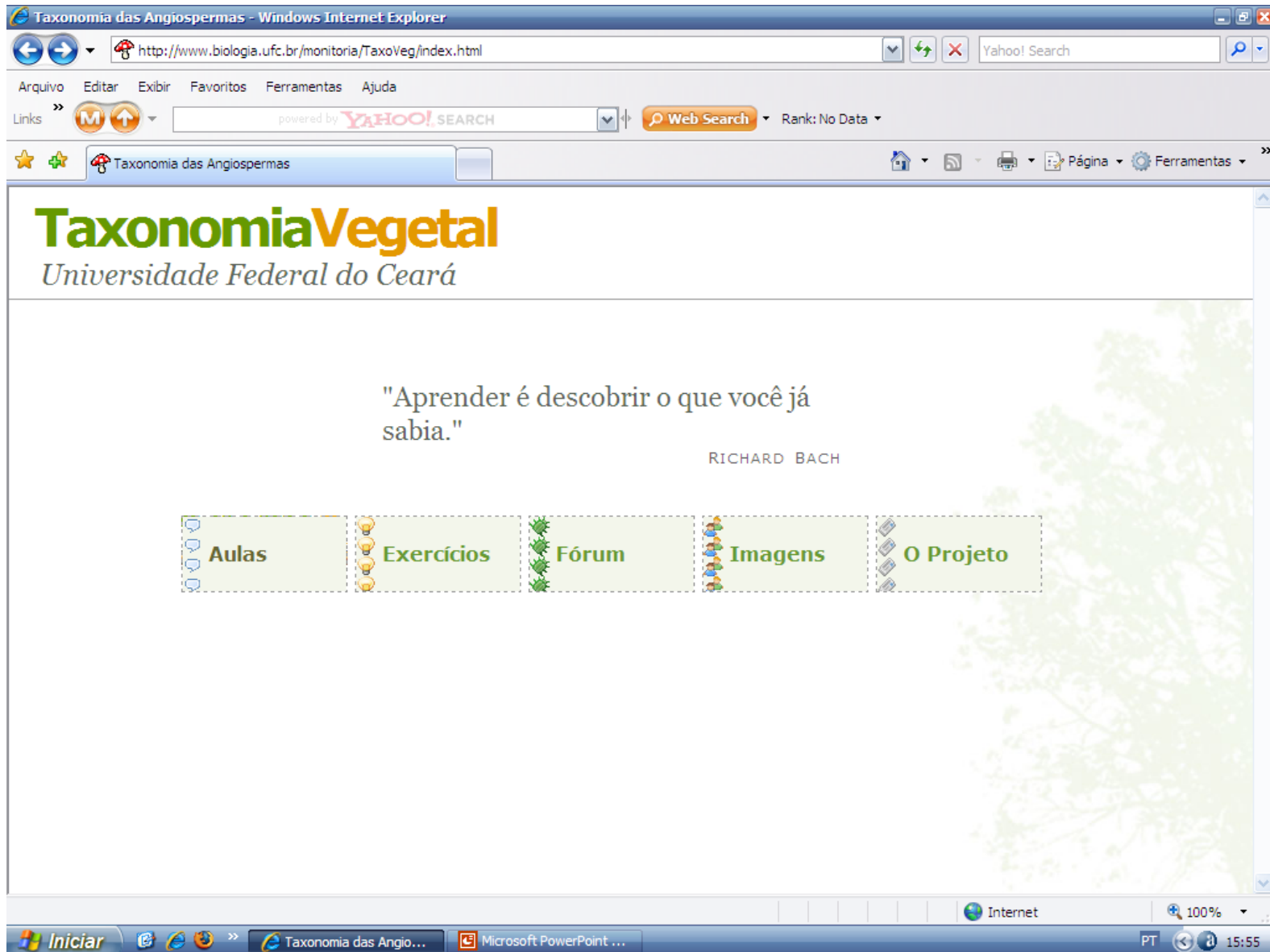
PIRANI, J.R., MELLO-SILVA. & SANO, P.T. 2001.

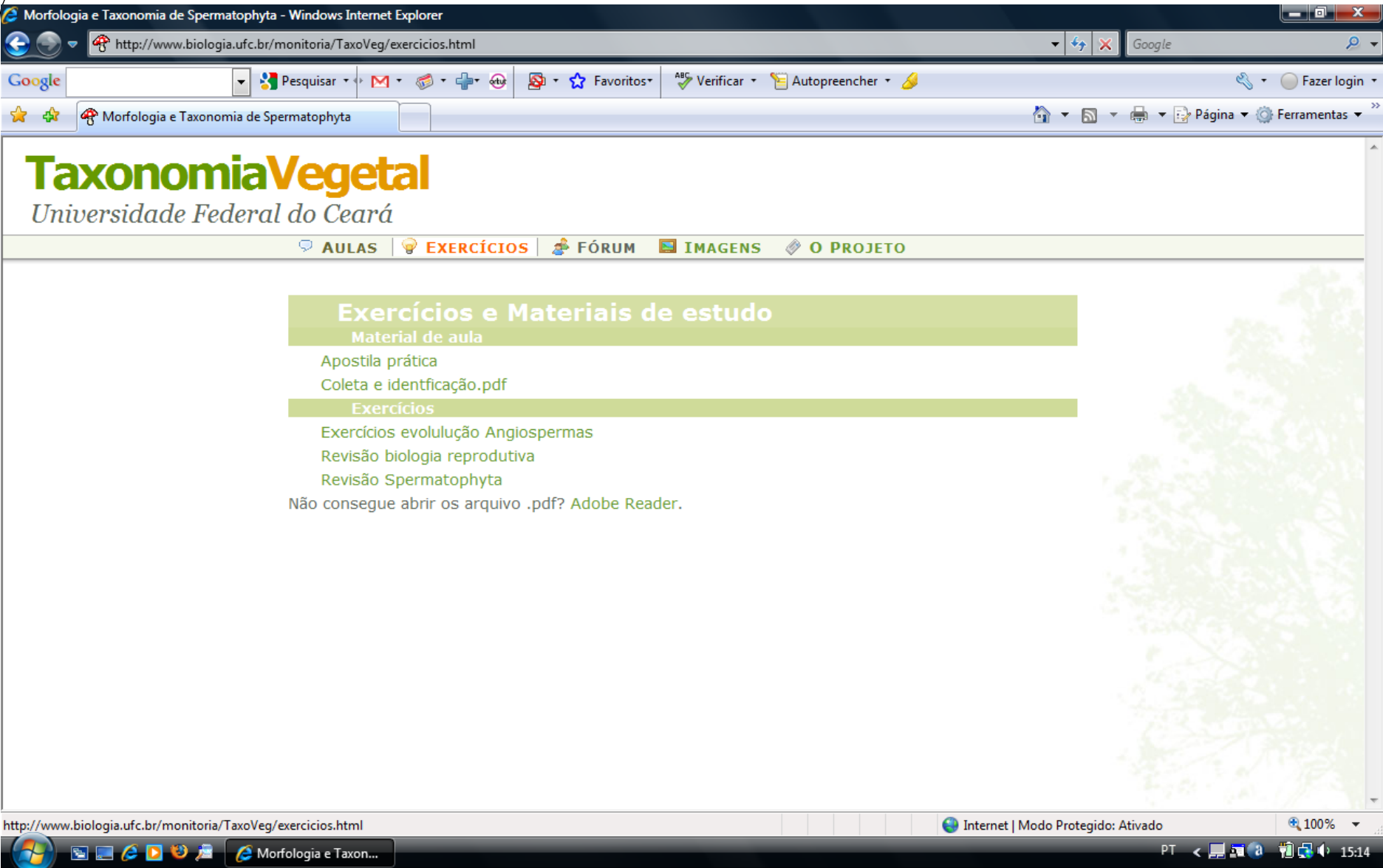
Chave para identificação de Magnoliophyta (Angiospermae).

Instituto de Biociências, USP, São Paulo.



Página da disciplina





Página da disciplina



Identificação

[<http://www8.ufrgs.br/taxonomia>]

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TAXONOMIA VEGETAL

HOME PAGE DEDICADA À TAXONOMIA VEGETAL NO BRASIL



Taxonomista:
Atualizar dados
[Esqueceu senha?](#)

Nome:

Sobrenome:

Senha:

[Novo Cadastro](#)

Aristida jubata (Arechav.) Herter (Poaceae)

Os estudos em Taxonomia Vegetal são essenciais ao conhecimento da biodiversidade e ao inventário da flora brasileira, fornecendo também subsídios para outras áreas da Botânica e áreas do conhecimento afins, além de embasar programas de conservação. É importante que nós, taxonomistas, saibamos quantos somos, quem somos, com o que estamos trabalhando, o que pode facilitar o estabelecimento de projetos em colaboração, evitar a duplicação de esforços e a sobreposição de trabalhos. Além de propiciar intercâmbio, esta página pretende ser útil para outros fins, como manejo e curadoria de herbários.

A página foi inicialmente apresentada no Encontro de Taxonomistas realizado durante o 51 Congresso Nacional de Botânica, em Brasília, julho de 2000, onde recebeu algumas sugestões que foram incorporadas em uma nova versão. A página foi reformulada com o auxílio do Centro de Processamento de Dados da Universidade Federal do Rio Grande do Sul.

A reformulação consistiu basicamente na criação de um banco de dados, o que permite

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Windows Internet Explorer - Taxonomia vegetal no Brasil

http://www8.ufrgs.br/taxonomia/

Taxonomia vegetal no Brasil

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U V W X Y Z

P

Passifloraceae

[Arlene Pessoa](#)
[Armando Carlos Cervi](#)
[Cláudio Augusto Mondin](#)
[Diogo Amorim Araújo](#)
[Fabio Augusto Vitta](#)
[Luis Carlos Bernacci](#)
[Michele Alvim Milward de Azevedo](#)
[Teonildes Sacramento Nunes](#)

Phyllanthaceae

[Marcos José da Silva](#)

Phytolaccaceae

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U V W X Y Z

A

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Algae - Cryptomonadaceae

[Mariângela Menezes](#)

Algae - Euglenaceae

[Mariângela Menezes](#)

Algae - Peridiniaceae

[Mariângela Menezes](#)

Algae - Surireaceae

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redetherbarios@yahoo.com.br
Ana Odete Santos Vieira
(Coordenação da Rede Brasileira de Herbários SBB)

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[Herbários por estados](#)

A B C D E F G H I J K L M N O P Q R S T
U V W X Y Z

E

EAC
Nome: Herbário Prisco Bezerra
Fundação: 1939
Curador(a): Lígia Queiroz Matias
E-mail do Herbário: herbario@ufc.br
E-mail do Curador:
Acervo: 40.500 espécimes
Número de exemplares-tipo:

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American Journal of
BOTANY

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http://mobot.mobot.org/W3T/Search/vast.html

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MBG: W3TROPICOS

Página Ferramentas

 [Garden Home](#) | [Research](#) | [Search](#) 

This site provides access to the Missouri Botanical Garden's VAST (VAScular Tropicos) nomenclatural database and associated authority files.

Enter a scientific name in the box below to obtain current information on the name, its place of publication, type, and other information about the plant. Examples of name entries would be *Poa*, *Olyra latifolia*, *Acacia baueri* aspera. Names can be shortened to "significant" characters, for example *Poa badensis* can be seen by entering *Poa baden* because no other name has that arrangement of letters.

The Tropicos Search button below will display the best match for the name entered in the selection box. The Expanded Search button will display homonyms and related names (subspecific taxa) for the name entered thus providing a list of names to choose from.

Search for:

[Jim Solomon - Jim.Solomon@mobot.org](#)

w³TROPICOS

Options:

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- [Nomenclature](#)
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Bryophytes

- [home page](#)
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- [Bibliography](#)
- Bryological Glossary
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W³TROPICOS provides new and improved access to the Missouri Botanical Garden's VAST nomenclatural database and associated authority files. In this release (rev. 1.5), the following information is provided when present (* indicates a hypertext link to additional information about a name or reference):

Names data

Plant name and authors

Concluído

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MBG: W3TROPICOS - Windows Internet Explorer

http://mobot.mobot.org/W3T/Search/vast.html

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This site provides access to the Missouri Botanical Garden's VAST (VAScular Tropicos) nomenclatural database and associated authority files.

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The Tropicos Search button below will display the best match for the name entered in the selection box. The Expanded Search button will display homonyms and related names (subspecific taxa) for the name entered thus providing a list of names to chose from.

Search for:

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Options:

Vascular Plants

- [Nomenclature](#)
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Bryophytes

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- [Nomenclature](#)
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W³TROPICOS provides new and improved access to the Missouri Botanical Garden's VAST nomenclatural database and associated authority files. In this release (rev. 1.5), the following information is provided when present (* indicates a [hypertext link](#) to additional information about a name or reference):

Names data

Plant name and authors

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Inicio Taxonomia vegetal n... Documento1 - Micros... MBG: W3TROPICOS - ...

PT 15:49

Eleocharis mutata (L.) Roem. & Schult. - Windows Internet Explorer

http://mobot.mobot.org/cgi-bin/search_vast

Eleocharis mutata (L.) Roem. & Schult.

Missouri Botanical Garden - w³TROPICOS  Nomenclatural Data Base - 17 Sep 2007

Eleocharis mutata (L.) Roem. & Schult.

Group - Monocot - Family - CYPERACEAE - Sedge Family

Images:

1. Herbarium specimen

SUBMIT

Published in:
Systema Vegetabilium 2: 155. 1817.
{Syst. Veg. }

Basionym:
Scirpus mutatus L.
Systema Naturae, Editio Decima 2: 867. 1759. [View in Botanicus](#) +

Next Higher Taxon:
Eleocharis R. Br.
Prodrum Florae Novae Hollandiae 1: 224. 1810. [View in Botanicus](#) +

11 Synonym citation(s) for this name

21 Publication(s) citing this name

4 Homonymic or infraspecific name(s)

Concluído

Internet 100%

Iniciar Taxonomia vegetal n... Documento 1 - Micros... Eleocharis mutata (L....

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Names on this page

Names Described: ☒

[Cyperus ligularis L.](#)

[Scirpus mutatus L.](#)

-powered by [Tropicos](#)

Names Found:

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THE VIRTUAL HERBARIUM OF
THE NEW YORK BOTANICAL GARDEN



FLORA BRASILIENSIS



The C. V. Starr Virtual Herbarium is the electronic gateway to the collections of the William and Lynda Steere Herbarium. The goals of the Virtual Herbarium are to make specimen data available electronically for use in biodiversity research projects; to reduce shipping of actual specimens for projects where digital representations will suffice for study; and to reunite data elements (e.g., photographs and drawings, manuscripts, published works, microscopic preparations, gene sequences) derived from a specimen with the catalog record for that specimen.

The digital collections of the Virtual Herbarium, comprising approximately 850,000 herbarium specimens and 120,000 high-resolution specimen images, are updated daily as the Garden pursues the goal of digitizing all of its 7,000,000 plant and fungi specimens.

New Projects

Catalog of Vascular Plant Species of Central and Northeastern Brazil
Plants and Lichens of Saba
The Flora Borinquena Digital Herbarium and Library

Online Taxonomic Names Catalogs

The Lecythidaceae Pages

Online Specimen Catalogs

Comprehensive Catalogs

Search All Catalogs

Search All Bryophyte Collections

Additional Information

We are interested in comments from users and suggestions for additional features and functions.

For more information, please contact:

Barbara Thiers
Herbarium Director
bthiers@nybg.org

The New York Botanical
Garden's new Digital
Imaging Center

Policy regarding the Use
of Virtual Herbarium
Plant Images

Virtual Herbarium Sampler

History of the Virtual
Herbarium

Summary of Databasing
Projects

Directors Represented in
Herbarium

Guide for Use of the
Virtual Herbarium

Treatment of Endangered
and Threatened Plant
Species

Specimen Showcases

- A Guide for Use of the Virtual Herbarium
- Treatment of Endangered and Threatened Plant Species
- Specimen Showcases
- Virtual Herbarium and Physical Specimen Loans
- How to Link to Our Specimen Data
- Useful References
- An Introduction to Ferns
- An Introduction to Lichens
- A Synopsis of the Family Cactaceae
- Conifers & Other Gymnosperms
- Gallery of Intern Webpages:**
 - Mycorrhizal Fungi and Plants (by Matthew Pace)
 - Fusarium Wilt And Its Effect On Bananas (by Rachel Sugarman)
- Acknowledgements

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Plant and Fungi Specimen Catalogs

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[Costa Rican Fungi](#)

[Kansas State University Mycological Herbarium](#)

[Plants and Fungi of Puerto Rico](#)

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[Tulane University Mycological Herbarium](#)

[The Raymond M. Fatto Herbarium](#)

[Lichens -- Lichens of Eastern North America](#)

Vascular Plants

[Ericaceae of Ecuador](#)

[Intermountain Flora](#)

[Invasive Plant Species of the United States](#)

[North American Gymnosperms](#)

[PBI *Solanum* Project](#)

[Plant Diversity of Central French Guiana](#)

[Plants and Fungi of Puerto Rico](#)



For More Information

Note: The Virtual Herbarium may not be available for searching between 12 am and 2 am EST, while the database is reindexed.

[History of the Virtual Herbarium](#)

[A Summary of Databasing Projects](#)

[A Guide for Use of the Virtual Herbarium](#)

[Treatment of Endangered and Threatened Plant Species](#)

[Specimen Showcases](#)

[Virtual Herbarium and Physical Specimen Loans](#)

[Representative Collectors \(vascular plants\)](#)

Vascular Plant Types Catalog

The New York Botanical Garden has completed cataloging and imaging its approximately 92,000 vascular plant type specimens. Basic information from all types in these families has been captured in the database, but some of the records are more complete than others.

The digitization of the vascular plant type specimens was funded by a grant from the Xerox Foundation. Students in the Biomedical Photographic Communications Department of the Rochester Institute of Technology and Xerox provided technical assistance. The Imaging Manual created by RIT can be downloaded by anyone interested in learning more about the technical aspects behind our project.

To browse the available taxa for the Vascular Plant Types Catalog, [see the checklist below](#).

Note that not all paratypes are indicated as such on specimen annotation labels (they are often only noted as "type" or "cotype"), and known paratypes are not included in this catalog. To find specimens of paratypes, use the Quick Search option of our [Search All Catalogs](#) page.

To search the Vascular Plant Types Catalog by the name of the plant (family, genus, species, or subspecific epithet), author, collector, collector number, barcode number, or type status, use the Quick Search box below. To search one or more specific fields in the database, choose the Detailed Search.

Quick Search

Detailed Search

[Tips for Searching \(see below\)](#)

Scientific Name (basionym only)

Family

Scientific Name*

Genus

Species

Procurar: Type specimen catalog – vascular plant type specimens Quadro com especificações ou lista de material disponível

[Science Home](#) ... [Virtual Herbarium](#) ... [New Interface](#)

Specimen Details:

record 1 out of 1

THE NEW YORK BOTANICAL GARDEN

	Araceae <i>Anthurium lucens</i> Standl. (isotype)
Filed As	
All Determinations	Anthurium lucens Standl.
Location	Honduras. Comayagua. Near El Achote, hills above the plain of Siguatepeque. Alt. 1350 m. (4429.1 ft.)
Collector	T. G. Yuncker 5844 , 13 Jul 1936
Description	Petioles and peduncles up to 3 ft long; spathe pale maroon; spadix deep red to maroon. Fertile.
Habitat	Wet ravine on bank of stream.
Other	NY Specimen ID: 133700 Incorporated Herbarium: DePauw University



— v-038-00133700.jpg

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Flora Resources



THE VIRTUAL HERBARIUM OF
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The International Plant Names Index

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About IPNI

The International Plant Names Index (IPNI) is a database of the names and associated basic bibliographical details of all seed plants, ferns and fern allies. Its goal is to eliminate the need for repeated reference to primary sources for basic bibliographic information about plant names. The data are freely available and are gradually being standardized and checked. IPNI will be a dynamic resource, depending on direct contributions by all members of the botanical community.

IPNI is the product of a collaboration between [The Royal Botanic Gardens, Kew](#), [The Harvard University Herbaria](#), and the [Australian National Herbarium](#)

NEWS

December 2006

- New [output and download formats](#) available.
- [LSID](#) (Life Science Identifiers) resolution
- Get the [IPNI browser buttons](#)
- Data improvement underway. Find out about [what is going on](#).
- Scanning and typographical errors found and corrected during the standardization process are listed



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Index Kewensis



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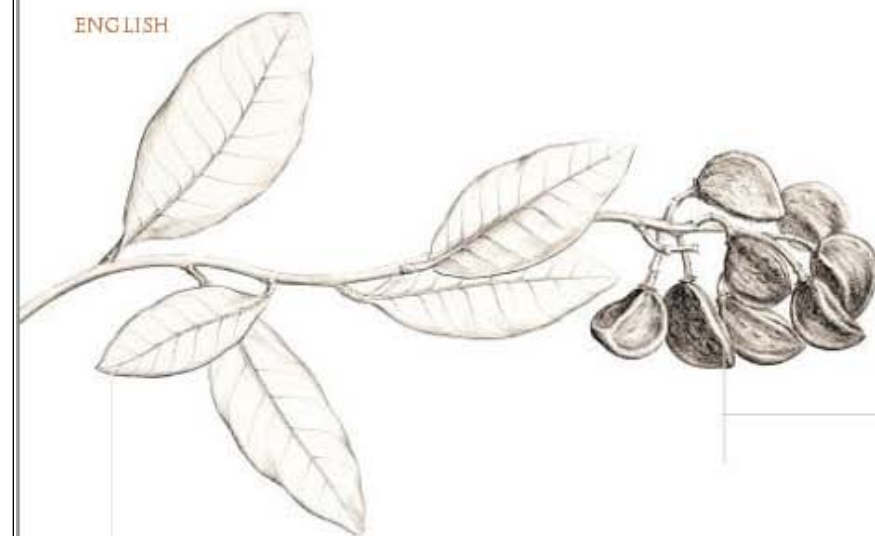


FLORA BRASILIENSIS

[APG \(classificação\)](#)

FLORA BRASILIENSIS

ENGLISH



O PROJETO
A OBRA



A **Flora brasiliensis** foi produzida entre 1840 e 1906 pelos editores Carl Friedrich Philipp von Martius, August Wilhelm Eichler e Ignatz Urban, com a participação de 65 especialistas de vários países. Contém tratamentos taxonômicos de 22.767 espécies, a maioria de angiospermas brasileiras, reunidos em 15 volumes, divididos em 40 partes, com um total de 10.367 páginas.

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O PROJETO

FLORA BRASILIENSIS
A OBRA

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FAMÍLIA



PROJETO



FLORA BRASILIENSIS

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buscar

CLASSIFICAÇÃO SEGUNDO A *FLORA BRASILIENSIS*

fam. *Anonaceae*

... *Anaxagoraea* A.St. + Hil.

... *Anona* L.

... *Bocagea* A.St. + Hil.

... *Duguetia* A.St. + Hil.

... *Guatteria* Ruiz & Pav.

... *Rollinia* A.St. + Hil.

... *Uvaria* L.

... *Xylopia* L.



* Os nomes apresentados seguem a grafia e classificação utilizadas na *Flora brasiliensis*.

O PROJETO

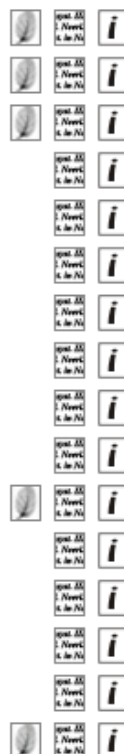


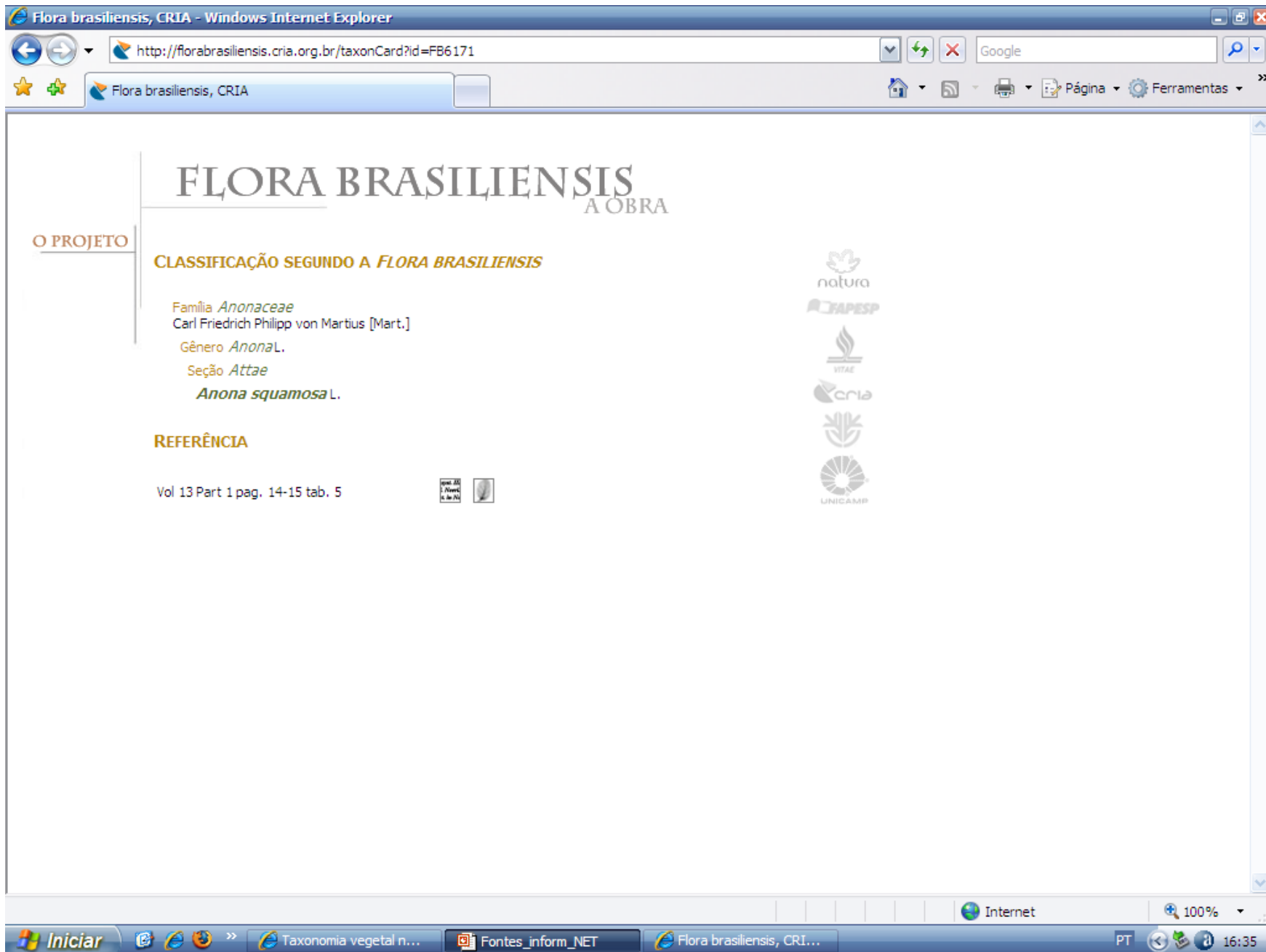
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CLASSIFICAÇÃO SEGUNDO A FLORA BRASILIENSIS

fam. *Anonaceae**Anona* L.*Anona* sect. *Attae**Anona cauliflora* Mart.*Anona cherimolia* Mill.*Anona foetida* Mart.*Anona hypoglauca* Mart.*Anona laevigata* Mart.*Anona lasiocalyx* Mart.*Anona reticulata* L.*Anona squamosa* L.*Anona vepretorum* Mart.*Anona* sect. *Curae posteriores**Anona crotonifolia* Mart.*Anona phaeoclados* Mart.*Anona* sect. *Guanabani* L.



FLORA BRASILIENSIS

A OBRA



- primeira
- anterior
- próxima
- última
- slide show
- salvar PDF
- detalhes

ubtus glauca vel cinerea et pilis declinatis, subulatis pellucidis, parce adspersa, reticulis parum conspicuo, luci obversa venulas ita parce pellucida exhibentia; nervo venis-que hirsutulis. PEDUNCULI $\frac{1}{2}$ — 1 poll. nunc — 4, in quarum sinu gemmulae resident vix his pilis surrectis. CALYX brevis, pariter natis transverse ovatis, acutis, 1 — 1 $\frac{1}{2}$ lin. ime ovata, 9 — 10 lin. longa, parum infra-actis, extus ochroleuca pilis sparsis ferrugineis, cula basilari purpurea; interiora deficientia, a, dense compacta, ochroleuca. FILAMENTA ANTHERAE lineares, sursum nonnihil latiores, ei aperiundae. POLLEN globosum, 30 glottudinem antherae aequantibus. Connecticutiliter papilloso-echinatum. OVARIA dense tis ferrugineis. STIGMATA sessilia, glandu- s emarginata.

un. Anon. 68. t. 4. summopere affinis, ita di- aricatis, novellis parce ferrugineo-hirtulis; fo- tuseque acuminatis, subcordatis membranaceis, nentosis (canescentibus?); pedunculis axillaribus alycibusque ferrugineo-hirtulis; petalis ovatis moideo echinato. — Folia et flores quam in A. ra. Crescit in Cayenna, et forsan in prov. Pa- (DC.)

bastro sibi angulo obtuso accumbentibus, interiora nulla, aut minima, squamaeformia.

21. ANONA SQUAMOSA L. caudice mediocri vel frutescente; foliis membranaceis, junioribus pubentibus, subius glaucis, oblongo-lanceolatis, acuminatis, acutis vel obtusis, basi acutiusculis; pedunculis unifloris subsolitariis; fructu ovato-globoso vel conico; areolis convexo-prominentibus, viridi-flavis vel glaucescentibus.

Anon Oviedo Historia de las Indias edit. 1547. VIII. c. 18. p. 84. Nieremberg. Hist. natur. L. XIV. c. 108. — Ata-maram Rheed. Hort. Malab. III. 21. t. 29.

Anona squamosa L. Sp. pl. ed. Willd. II. 1265. n. 3. Pluk. t. 134. f. 3. Sloane Jam. II. 168. t. 227. Browne Jam. 256. n. 2. Jacq. Obs. 13. t. 1. Swartz. Obs. 221. Dunal Anonac. 69. Maycock Fl. Barbado. 233. DC. Syst. I. 472. Prodr. I. 85. n. 14. St. Hil. Fl. Bras. mer. I. 31. Blume Fl. Jav. Anonac. 107. Bot. Mag. 3095.

Anona tuberosa, Papuwa, Rumph. Amb. III. 138. t. 46.

Anona glabra Forsk. Descr. 102. Icon. t. 15.

Tab. nostra V. Fig. I. (fructus).

Frutex, nunc fere tota glabra, nunc ramulis folisque novellis dense pubescens. FOLIA 2 — 3 poll. longa, 1 — 1 $\frac{1}{2}$ lata, petiolis longiusculis, pellucido-punctata, subius glauca, nervo venisque pallidioribus. PETALA uti in A. reticulata colorata, interiora nulla vidi

v.13 p.1 c.13-14



v.13 p.1 c.15-16





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Contact	[55] 81/ 445-2200, ext. 163 or 164.
Correspondent	Valcelice Lima , Curator, karla@ipa.br
Number of Specimens	60 000
Important Collections	P. von Lützelburg, D. Andrade-Lima, B. J. Pickel, R. M. Harley
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