



## Systematics of flowering plants according to Cronquist → APG III

here in the order of the APG III

(different tables: [alphabetical here](#), according to [Cronquist here](#)).

Regarding the general problems of the systematics of flowering plants in homoeopathic use please see [Intro to Plants on provings.info](#).

The structure of flowering plants or angiosperms (Angiospermae = Magnoliophyta) according to the third version of APG (APG III from 2009) doesn't use the classification into monocots and dicots anymore. Instead it allocates its taxons according to genetical relationships into a more interlaced system, of which we are applying a simplified version.

- Basal orders
  - Magnoliids
  - Monocotyledonae
    - Monocotyledonae, non-Commelinids
    - Commelinids
  - Eudicotyledonae
    - Eudicotinae - Basal Eudicots
    - Core Eudicots
      - Rosids
        - Eurosids I – Fabids
        - Eurosids II – Malvids
      - Asterids
        - Euasterids I – Lamiids
        - Euasterids II - Campanulids

### Legend

an **x** in column A means: minor change from Cronquist towards APG III.

an **xx** in column A means: important change from Cronquist towards APG III.

an **xx** in column B means: a change that is essential for the systematic use within Sankaran's family system.

= Adoxaceae /Dipsacales means: this family according to Cronquist is allocated as Adoxaceae in the order Dipsacales within the APG III, and so is not an independent family anymore there.

Those families that are [highlighted in blue](#) can be clicked on to go directly into the system of our website provings.info for further search.

Familia	Ordo Cronquist	Subclassis Cronquist	A	Ordo APG III	next Taxon APG	B	Family Sankaran's System
Schisandraceae	Illiciales	Magnoliidae	x	Austrobaileyales	basal orders		
Nymphaeaceae	Nymphaeales	Magnoliidae		Nymphaeales	basal orders		

Lauraceae	Lurales	Magnoliidae		Lurales	Magnoliids	Magnolianaee
Monimiaceae	Lurales	Magnoliidae		Lurales	Magnoliids	Magnolianaee
Annonaceae	Magnoliales	Magnoliidae		Magnoliales	Magnoliids	Magnolianaee
Magnoliaceae	<a href="#">Magnoliales</a>	Magnoliidae		Magnoliales	Magnoliids	Magnolianaee
Myristicaceae	Magnoliales	Magnoliidae		Magnoliales	Magnoliids	Magnolianaee
Aristolochiaceae	Aristolochiales	<a href="#">Magnoliidae</a>	x	Piperales	Magnoliids	Magnolianaee
Piperaceae	Piperales	Magnoliidae		Piperales	Magnoliids	Piperaceae
Saururaceae	Piperales	Magnoliidae		Piperales	Magnoliids	
Alliaceae	= Liliaceae / Liliales	Liliidae	x	= Amaryllidaceae / Asparagales	Monokotyledonae	Liliiflorae
Lemnaceae	Arales	Arecidae	x	= Araceae / Alismatales	Monokotyledonae	
Agavaceae	Liliales	Liliidae	x	= Asparagaceae / Asparagales	Monokotyledonae	Liliiflorae
Hyacinthaceae	= Liliaceae / Liliales	Liliidae	x	= Asparagaceae / Asparagales	Monokotyledonae	Liliiflorae
Ruscaceae	= Liliaceae / Liliales	Liliidae	x	= Asparagaceae / Asparagales	Monokotyledonae	Liliiflorae
Aloeaceae	Liliales	<a href="#">Liliidae</a>	x	= Xanthorrhoeaceae / Liliales	Monokotyledonae	Liliiflorae
Araceae	Arales	<a href="#">Arecidae</a>	x	Alismatales	Monokotyledonae	Araceae
Posidoniaceae	Najadales	<a href="#">Alismatidae</a>		Alismatales	Monokotyledonae	
Amaryllidaceae	= Liliaceae / Liliales	Liliidae	x	Asparagales	Monokotyledonae	Liliiflorae
Asparagaceae	= Liliaceae / Liliales	Liliidae	x	Asparagales	Monokotyledonae	Liliiflorae
Hypoxidaceae	= Liliaceae / Liliales	Liliidae	x	Asparagales	Monokotyledonae	Liliiflorae
Iridaceae	Liliales	Liliidae		Asparagales	Monokotyledonae	Liliiflorae
Orchidaceae	<a href="#">Orchidales</a>	Liliidae	xx	Asparagales	Monokotyledonae	Liliiflorae
Xanthorrhoeaceae	Liliales	Liliidae		Asparagales	Monokotyledonae	Liliiflorae
<a href="#">Dioscoreaceae</a>	Liliales	Liliidae	x	Dioscoreales	Monokotyledonae	Dioscoreaceae
<a href="#">Liliaceae</a>	Liliales	Liliidae		Liliales	Monokotyledonae	Liliiflorae
Arecaceae/ Palmae	Arecales	Arecidae	xx	Arecales	Commelinids	
Commelinaceae	Commelinidales	Commelinidae		Commelinidales	Commelinids	
Haemodoraceae	Commelinidales	Commelinidae		Commelinidales	Commelinids	
Pontederiaceae	Commelinidales	Commelinidae		Commelinidales	Commelinids	
Bromeliaceae	Bromeliales	<a href="#">Zingiberidae</a>	x	Poales	Commelinids	
Cyperaceae	Poales	<a href="#">Commelinidae</a>		Poales	Commelinids	
<a href="#">Gramineae/ Poaceae</a>	Poales	Commelinidae		Poales	Commelinids	Gramineae/ Poaceae
Juncaceae	Poales	Commelinidae		Poales	Commelinids	
Typhaceae	Poales	Commelinidae		Poales	Commelinids	
Cannaceae	Zingiberales	Zingiberidae		Zingiberales	Commelinids	

Marantaceae	Zingiberales	Zingiberidae		Zingiberales	Commelinids		
Musaceae	Zingiberales	Zingiberidae		Zingiberales	Commelinids		
Zingiberaceae	Zingiberales	Zingiberidae		Zingiberales	Commelinids		
Fumariaceae	Papaverales	<a href="#">Magnoliidae</a>		= Papaveraceae / Ranunculales	Eudicotinae - Basal Eudicots		
Buxaceae	Euphorbiales	Rosidae	xx	Buxales	Eudicotinae - Basal Eudicots		
Nelumbaceae	Nymphaeales	Magnoliidae	xx	Proteales	Eudicotinae - Basal Eudicots		
Platanaceae	Hamamelidales	Hamamelidae	xx	Proteales	Eudicotinae - Basal Eudicots		Hamamelidae
Proteaceae	Proteales	Rosidae	x	Proteales	Eudicotinae - Basal Eudicots		
Berberidaceae	Ranunculales	Magnoliidae		Ranunculales	Eudicotinae - Basal Eudicots		Berberidaceae
Menispermaceae	Ranunculales	Magnoliidae		Ranunculales	Eudicotinae - Basal Eudicots		
Papaveraceae	<a href="#">Papaverales</a>	Magnoliidae	x	Ranunculales	Eudicotinae - Basal Eudicots		Papaveraceae
<a href="#">Ranunculaceae</a>	Ranunculales	Magnoliidae		Ranunculales	Eudicotinae - Basal Eudicots		Ranunculaceae
Chenopodiaceae	Caryophyllales	Caryophyllidae		=Amaranthaceae / Caryophyllales	Core Eudicots		
Aizoaceae	Caryophyllales	Caryophyllidae		Caryophyllales	Core Eudicots		
Amaranthaceae	Caryophyllales	<a href="#">Caryophyllidae</a>		Caryophyllales	Core Eudicots		
Cactaceae	Caryophyllales	Caryophyllidae		Caryophyllales	Core Eudicots		Cactaceae
Caryophyllaceae	Caryophyllales	Caryophyllidae		Caryophyllales	Core Eudicots		
Droseraceae	Nepenthales / Sarraceniales	Dilleniidae	xx	Caryophyllales	Core Eudicots		Nepenthales
Nepenthaceae	<a href="#">Nepenthales / Sarraceniales</a>	<a href="#">Dilleniidae</a>	xx	Caryophyllales	Core Eudicots		Nepenthales
Nyctaginaceae	Caryophyllales	Caryophyllidae		Caryophyllales	Core Eudicots		
Phytolaccaceae	Caryophyllales	Caryophyllidae		Caryophyllales	Core Eudicots		
Plumbaginaceae	Plumbaginales	Caryophyllidae	x	Caryophyllales	Core Eudicots		
Polygonaceae	Polygonales	Caryophyllidae	x	Caryophyllales	Core Eudicots		
Portulaccaceae	Caryophyllales	Caryophyllidae		Caryophyllales	Core Eudicots		
Tamaricaceae	Violales	Dilleniidae	xx	Caryophyllales	Core Eudicots		
Viscaceae	Santalales	Rosidae		= Santalaciceae /Santalales	Core-Eudicots		
Balanophoraceae	Santalales	Rosidae		Santalales	Core-Eudicots		
Loranthaceae	Santalales	Rosidae		Santalales	Core-Eudicots		
Olacaceae	Santalales	Rosidae		Santalales	Core-Eudicots		
Santalaceae	Santalales	Rosidae		Santalales	Core-Eudicots		
Crassulaceae	Rosales	<a href="#">Rosidae</a>	xx	Saxifragales	Core-Eudicots		
Grossulariaceae	Rosales	Rosidae	xx	Saxifragales	Core-Eudicots		
Hamamelidae	Hamamelidales	Hamamelidae	xx	Saxifragales	Core-Eudicots	xx	Hamamelidae

Paeoniaceae	Dilleniales	Dilleniidae	xx	Saxifragales	Core-Eudicots		
Saxifragaceae	Rosales	Rosidae	xx	Saxifragales	Core-Eudicots		
Vitaceae	Rhamnales	Rosidae	xx	Saxifragales	Core-Eudicots		
Mimosaceae	Fabales	Rosidae		= Fabaceae/ Fabales	Rosids: Eurosids I - Fabids		
Sterculiaceae	Malvales	Dilleniidae		= Malvaceae /Malvales	Rosids: Eurosids I - Fabids		Malvales
Tiliaceae	Malvales	Dilleniidae		= Malvaceae /Malvales	Rosids: Eurosids I - Fabids		Malvales
Turneraceae	Violales	Dilleniidae	xx	= Passifloraceae /Malpighiales	Rosids: Eurosids I - Fabids		
Erythroxylaceae	Linales	Rosidae	xx	= Rhizophoraceae/ Malpighiales	Rosids: Eurosids I - Fabids	xx	Geraniales
Flacourtiaceae	Violales	Dilleniidae	xx	= Salicaceae/ Malpighiales	Rosids: Eurosids I - Fabids		
Coriariaceae	Ranunculales	Magnoliidae	xx	Cucurbitales	Rosids: Eurosids I - Fabids		
Cucurbitaceae	Violales	Dilleniidae	xx	Cucurbitales	Rosids: Eurosids I - Fabids	xx	Violales
Datisceae	Violales	<a href="#">Dilleniidae</a>	xx	Cucurbitales	Rosids: Eurosids I - Fabids		
<a href="#">Leguminosae/ Fabaceae/ Papilionaceae</a>	Fabales	Rosidae		Fabales	Rosids: Eurosids I - Fabids		Leguminosae
Polygalaceae	Polygalales	Rosidae	x	Fabales	Rosids: Eurosids I - Fabids		
Betulaceae	<a href="#">Fagales</a>	Hamamelidae		Fagales	Rosids: Eurosids I - Fabids		Hamamelidae
Corylaceae	Fagales	<a href="#">Hamamelidae</a>		Fagales	Rosids: Eurosids I - Fabids		Hamamelidae
Fagaceae	Fagales	Hamamelidae		Fagales	Rosids: Eurosids I - Fabids		Hamamelidae
Juglandaceae	Juglandales	Hamamelidae	x	Fagales	Rosids: Eurosids I - Fabids		Hamamelidae
Myricaceae	Myricales	Hamamelidae	x	Fagales	Rosids: Eurosids I - Fabids		Hamamelidae
Achariaceae	Violales	Dilleniidae	xx	Malpighiales	Rosids: Eurosids I - Fabids		
Clusiaceae	Theales	Dilleniidae	xx	Malpighiales	Rosids: Eurosids I - Fabids		Theales
Dichapetalaceae	Celastrales	Rosidae	xx	Malpighiales	Rosids: Eurosids I - Fabids		
Euphorbiaceae	Euphorbiales	Rosidae	xx	Malpighiales	Rosids: Eurosids I - Fabids		Euphorbiaceae
Hypericaceae	Theales	Dilleniidae	xx	Malpighiales	Rosids: Eurosids I - Fabids	xx	Theales
Linaceae	Linales	Rosidae	x	Malpighiales	Rosids: Eurosids I - Fabids		
Malpighiaceae	Polygalales	Rosidae	xx	Malpighiales	Rosids: Eurosids I - Fabids	xx	Geraniales
Passifloraceae	Violales	Dilleniidae	xx	Malpighiales	Rosids: Eurosids I - Fabids	xx	Violales
Rafflesiaceae	Rafflesiales	Rosidae	xx	Malpighiales	Rosids: Eurosids I - Fabids		
Rhizophoraceae	Rhizophorales	Rosidae	xx	Malpighiales	Rosids: Eurosids I - Fabids		
Salicaceae	Salicales	Dilleniidae	xx	Malpighiales	Rosids: Eurosids I - Fabids		
Violaceae	Violales	Dilleniidae	xx	Malpighiales	Rosids: Eurosids I - Fabids	xx	Violales
Bixaceae	<a href="#">Malvales</a>	Dilleniidae		Malvales	Rosids: Eurosids I - Fabids		Malvales
Malvaceae	Malvales	Dilleniidae		Malvales	Rosids: Eurosids I - Fabids		Malvales

Elaeocarpaceae	Malvales	Dilleniidae	xx	Oxalidales	Rosids: Eurosids I - Fabids		
Oxalidaceae	Geraniales	Rosidae	xx	Oxalidales	Rosids: Eurosids I - Fabids	xx	Geraniales
Cannabaceae	Urticales	Hamamelidae	xx	Rosales	Rosids: Eurosids I - Fabids	xx	Hamamelidae
Elaeagnaceae	Proteales	Rosidae	xx	Rosales	Rosids: Eurosids I - Fabids		
Moraceae	Urticales	Hamamelidae	xx	Rosales	Rosids: Eurosids I - Fabids	xx	Hamamelidae
Rhamnaceae	Rhamnales	Rosidae	xx	Rosales	Rosids: Eurosids I - Fabids		
<a href="#">Rosaceae</a>	Rosales	Rosidae		Rosales	Rosids: Eurosids I - Fabids		Rosaceae
Ulmaceae	Urticales	Hamamelidae	xx	Rosales	Rosids: Eurosids I - Fabids	xx	Hamamelidae
Urticaceae	Urticales	Hamamelidae	xx	Rosales	Rosids: Eurosids I - Fabids	xx	Hamamelidae
Krameriaceae	Polygalales	<a href="#">Rosidae</a>	x	Zygophyllales	Rosids: Eurosids I - Fabids		
Zygophyllaceae	Sapindales	Rosidae	xx	Zygophyllales	Rosids: Eurosids I - Fabids	xx	Geraniales
Hippocastanaceae	Sapindales	<a href="#">Rosidae</a>		= Sapindaceae/ Sapindales	Rosids: Eurosids II - Malvids		
Capparaceae	Capparales	Dilleniidae		Brassicales	Rosids: Eurosids II - Malvids		
Caricaceae	<a href="#">Violales</a>	Dilleniidae	xx	Brassicales	Rosids: Eurosids II - Malvids		
<a href="#">Cruciferae/ Brassicaceae</a>	Capparales	Dilleniidae		Brassicales	Rosids: Eurosids II - Malvids		Cruciferae
Limnanthaceae	Geraniales	<a href="#">Rosidae</a>	xx	Brassicales	Rosids: Eurosids II - Malvids		
Moringaceae	Capparales	<a href="#">Dilleniidae</a>		Brassicales	Rosids: Eurosids II - Malvids		
Tropaeolaceae	Geraniales	Rosidae	xx	Brassicales	Rosids: Eurosids II - Malvids		Geraniales
Celastraceae	Celastrales	Rosidae		Celastrales	Rosids: Eurosids II - Malvids		
Corynocarpaceae	Celastrales	Rosidae		Celastrales	Rosids: Eurosids II - Malvids		
Geraniaceae	Geraniales	Rosidae		Geraniales	Rosids: Eurosids II - Malvids		Geraniales
Cistaceae	Violales	Dilleniidae	xx	Malvales	Rosids: Eurosids II - Malvids	xx	Violales
Thymelaeaceae	Myrtales	Rosidae	x	Malvales	Rosids: Eurosids II - Malvids		
Combretaceae	Myrtales	Rosidae		Myrtales	Rosids: Eurosids II - Malvids		
Lythraceae	Myrtales	Rosidae		Myrtales	Rosids: Eurosids II - Malvids		
Melastomataceae	Myrtales	Rosidae		Myrtales	Rosids: Eurosids II - Malvids		
Myrtaceae	Myrtales	Rosidae		Myrtales	Rosids: Eurosids II - Malvids		
Oenotheraceae/ Onagraceae	Myrtales	Rosidae		Myrtales	Rosids: Eurosids II - Malvids		
Punicaceae	Myrtales	Rosidae		Myrtales	Rosids: Eurosids II - Malvids		
<a href="#">Anacardiaceae</a>	Sapindales	Rosidae		Sapindales	Rosids: Eurosids II - Malvids		Anacardiaceae
Burseraceae	Sapindales	Rosidae		Sapindales	Rosids: Eurosids II - Malvids		
Meliaceae	Sapindales	Rosidae		Sapindales	Rosids: Eurosids II - Malvids		
Rutaceae	Sapindales	Rosidae		Sapindales	Rosids: Eurosids II - Malvids		Rutaceae

Sapindaceae	Sapindales	Rosidae		Sapindales	Rosids: Eurosids II - Malvids		
Simaroubaceae	Sapindales	Rosidae		Sapindales	Rosids: Eurosids II - Malvids		
Pyrolaceae	Ericales	Dilleniidae		= Ericaceae /Ericales	Asterids		
Cornaceae	Cornales	Rosidae		Cornales	Asterids		
Hydrangeaceae	Cornales	Rosidae		Cornales	Asterids		
Actinidiaceae	Ericales	Dilleniidae		Ericales	Asterids		
Balsaminaceae	Geraniales	Rosidae	xx	Ericales	Asterids		Geraniales
Ebenaceae	Ebenales	Dilleniidae	x	Ericales	Asterids		
Ericaceae	Ericales	Dilleniidae		Ericales	Asterids		Ericaceae
Polemoniaceae	Solanales	Asteridae	xx	Ericales	Asterids		
Primulaceae	Primulales	Dilleniidae	xx	Ericales	Asterids		Primulaceae
Sarraceniaceae	Nepenthales / Sarraceniales	Dilleniidae	xx	Ericales	Asterids	xx	Nepenthales
Styracaceae	Ericales	Dilleniidae		Ericales	Asterids		
Theaceae	Theales	Dilleniidae	xx	Ericales	Asterids	xx	Theales
Asclepiadaceae	Gentianales	Asteridae		= Apocynaceae /Gentianales	Asterids: Euasterids I - Lamiids	xx	Asclepiadaceae
Menyanthaceae	Solanales	<a href="#">Asteridae</a>	x	Asterales	Asterids: Euasterids I - Lamiids		
Apocynaceae	Gentianales	Asteridae		Gentianales	Asterids: Euasterids I - Lamiids		Apocynaceae
Gelsemiaceae	= Loganiaceae / Gentianales	Asteridae		Gentianales	Asterids: Euasterids I - Lamiids	x	Loganiaceae
Gentianaceae	Gentianales	Asteridae		Gentianales	Asterids: Euasterids I - Lamiids		
<a href="#">Loganiaceae</a>	Gentianales	Asteridae		Gentianales	Asterids: Euasterids I - Lamiids		Loganiaceae
Oleaceae	Solanales	Asteridae	x	Gentianales	Asterids: Euasterids I - Lamiids		
Rubiaceae	Rubiales	Asteridae	x	Gentianales	Asterids: Euasterids I - Lamiids		Rubiaceae
Acanthaceae	Scrophulariales	Asteridae	x	Lamiales	Asterids: Euasterids I - Lamiids		
Bignoniaceae	Scrophulariales	Asteridae	x	Lamiales	Asterids: Euasterids I - Lamiids		
Gesneriaceae	Lamiales	<a href="#">Asteridae</a>		Lamiales	Asterids: Euasterids I - Lamiids		
<a href="#">Labiatae/ Lamiaceae</a>	Lamiales	Asteridae		Lamiales	Asterids: Euasterids I - Lamiids		Labiatae
Lentibulariaceae	Lamiales	Asteridae		Lamiales	Asterids: Euasterids I - Lamiids		
Orobanchaceae	Scrophulariales	Asteridae	x	Lamiales	Asterids: Euasterids I - Lamiids		
Pedaliaceae	Scrophulariales	Asteridae	x	Lamiales	Asterids: Euasterids I - Lamiids		
Phrymaceae	Lamiales	Asteridae		Lamiales	Asterids: Euasterids I - Lamiids		
Plantaginaceae	Plantaginales	Asteridae	x	Lamiales	Asterids: Euasterids I - Lamiids		
Scrophulariaceae	Scrophulariales	Asteridae	x	Lamiales	Asterids: Euasterids I - Lamiids		Scrophulariaceae
Verbenaceae	Lamiales	Asteridae		Lamiales	Asterids: Euasterids I - Lamiids		

Boraginaceae	Lamiales	Asteridae	x	not allocated / nicht zugeordnet	Asterids: Euasterids I - Lamiids	
Hydrophyllaceae	Solanales	Asteridae	xx	not allocated / nicht zugeordnet	Asterids: Euasterids I - Lamiids	
Convolvulaceae	Solanales	Asteridae		Solanales	Asterids: Euasterids I - Lamiids	
<a href="#">Solanaceae</a>	Solanales	Asteridae		Solanales	Asterids: Euasterids I - Lamiids	Solanaceae
Sambucaceae	Dipsacales	Asteridae		= Adoxaceae /Dipsacales	Asterids: Euasterids II - Campanulids	
Viburnaceae	Dipsacales	Asteridae		= Adoxaceae /Dipsacales	Asterids: Euasterids II - Campanulids	
Dipsacaceae	Dipsacales	Asteridae		= Caprifoliaceae /Dipsacales	Asterids: Euasterids II - Campanulids	
Valerianaceae	Dipsacales	Asteridae		= Caprifoliaceae /Dipsacales	Asterids: Euasterids II - Campanulids	
Araliaceae	Apiales	Rosidae	x	Apiales	Asterids: Euasterids II - Campanulids	
Pittosporaceae	Rosales	Rosidae	x	Apiales	Asterids: Euasterids II - Campanulids	
Umbelliferae/ Apiaceae	<a href="#">Apiales</a>	Rosidae	x	Apiales	Asterids: Euasterids II - Campanulids	Umbelliferae
Aquifoliaceae	Celastrales	<a href="#">Rosidae</a>	xx	Aquifoliales	Asterids: Euasterids II - Campanulids	
<a href="#">Asteraceae/ Compositae</a>	Asterales	Asteridae		Asterales	Asterids: Euasterids II - Campanulids	Compositae
Campanulaceae	Campanulales	<a href="#">Asteridae</a>		Asterales	Asterids: Euasterids II - Campanulids	
Adoxaceae	Dipsacales	Asteridae		Dipsacales	Asterids: Euasterids II - Campanulids	
Caprifoliaceae	Dipsacales	Asteridae		Dipsacales	Asterids: Euasterids II - Campanulids	

#### Literature:

<http://www.f-lohmueller.de/botany/Cronquist/Cronquist0.htm>

[http://www.f-lohmueller.de/botany/apg/apg\\_iii.htm](http://www.f-lohmueller.de/botany/apg/apg_iii.htm)

[http://en.wikipedia.org/wiki/Cronquist\\_system](http://en.wikipedia.org/wiki/Cronquist_system)

[http://de.wikipedia.org/wiki/Systematik\\_der\\_Bedecktsamer](http://de.wikipedia.org/wiki/Systematik_der_Bedecktsamer)

[http://de.wikipedia.org/wiki/Systematik\\_der\\_bedecktsamigen\\_Pflanzen\\_nach\\_Schmeil-Fitschen](http://de.wikipedia.org/wiki/Systematik_der_bedecktsamigen_Pflanzen_nach_Schmeil-Fitschen)

div. [Wikipedia](#) pages.

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

(state of websites: 30.1.2013)

Bresinsky, Körner, Kaderiet, Neuhaus, Sonnewald – Strasburger. Lehrbuch der Botanik. 36. Auflage, 2008, Spektrum Verlag Heidelberg