

Angiosperm phylogeny poster (APP) - Flowering plant systematics, 2017

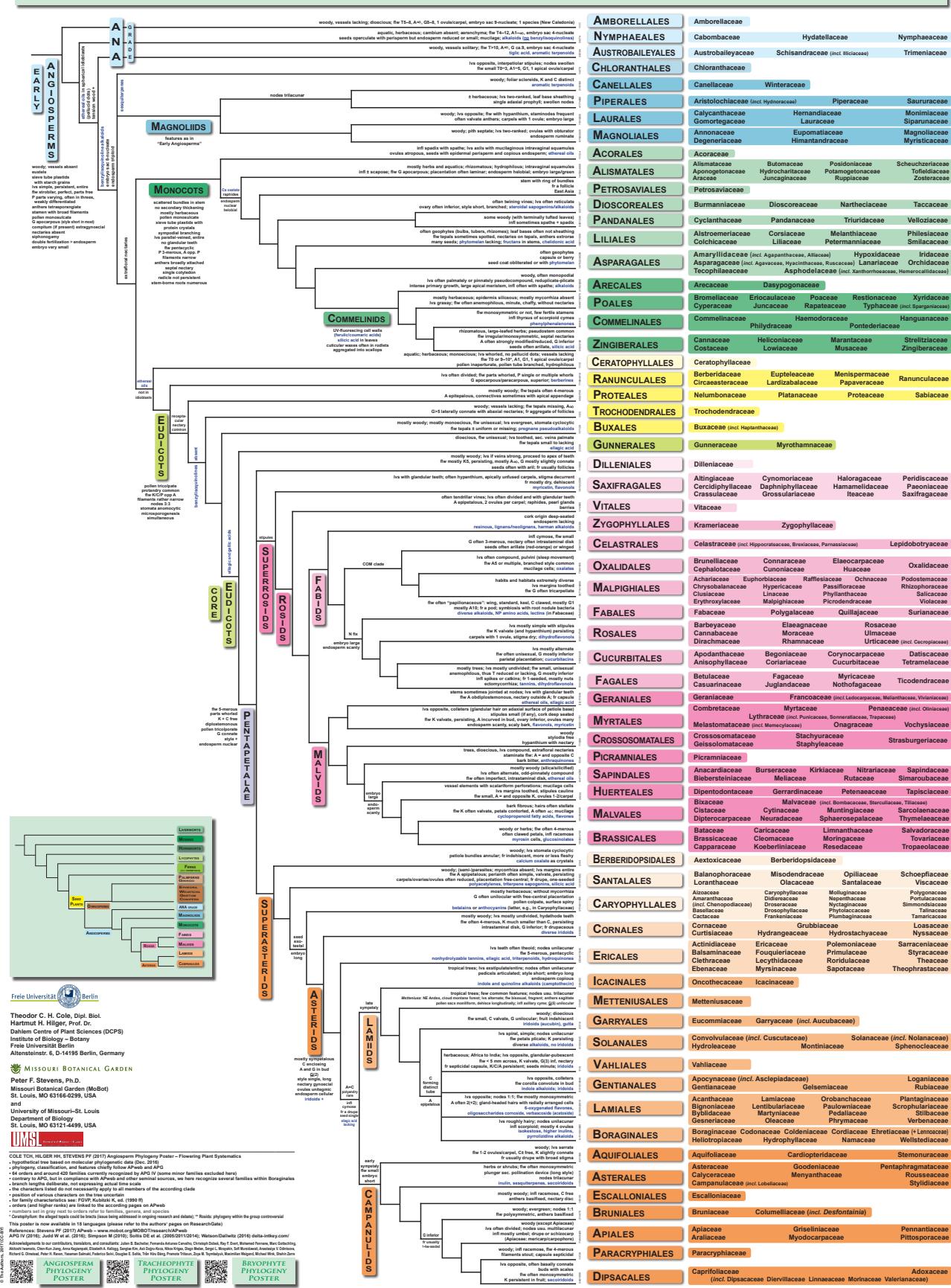
The "Angiosperm Phylogeny Poster – Flowering Plant Systematics" is an educational tool presenting an overview of the evolutionary relationships among flowering plants according to APG IV and APweb as of 2016. The phylogenetic tree depicts the 64 orders and the majority of the 416 families, listing the main apomorphies and plesiomorphies as well as diagnostic and nondiagnostic anatomical, morphological, and phytochemical features for orders and higher levels within the tree. The intuitive color-coding facilitates memorization and teaching.

Translations of the poster by internationally renown botanists are now available in 18 languages. Hyperlinks to APweb (Peter F. Stevens, Missouri Botanical Garden) are provided for the orders and higher ranks.

This is one in a series of three educational posters on the phylogeny of land plants: Poster 1: "Angiosperms", Poster 2: "Tracheophytes: Lycophytes, Ferns, Gymnosperms", Poster 3: "Bryophytes: Liverworts, Mosses, Hornworts".

ANGIOSPERM PHYLOGENY

Flowering Plant Systematics



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COLTON HILDEBRAND STEVENSON PP (2017) Angiosperm Phylogeny Poster - Flowering Plant Systematics
- hyperphylogenetic tree based on molecular phylogenetic data (Dec. 2016)
- updated version of the tree published in Stevenson et al. (2016)
- 64 orders and around 420 families currently recognized by APG IV (some minor families excluded here)
- compared with the tree in APG IV. Although the tree is based on the same general sources, we have recognized several families within Boraginaceae, branch lengths differ, not expressing actual time scale
- The tree is now available in 103 languages (please refer to the authors' pages on ResearchGate)
- position of various characters on the tree uncertain
- for full tree see Stevenson et al. (2016) | Stevenson et al. (2016)
- orders (and higher ranks) are linked to the according pages on APWeb
- numbers set at grey rank to refer to families, genera, and species
- Cited references are on the APG IV page | Stevenson et al. (2016)

APG IV (2016); Judit W et al. (2016); Simpson M (2010); Watson D (2016) data-linkykey/|
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