

Bryophyte Phylogeny Poster

Systematics and Characteristics of Nonvascular Land Plants (Mosses, Liverworts, Hornworts)

(please click on [Supplemental Information](#) below for the high-resolution, printable A0-size poster)

This educational poster presents an overview of the evolutionary relationships among nonvascular land plants based on data published up to spring 2019.

The phylogenetic tree depicts the divisions, subclasses, orders, and families of "bryophytes", listing the main apomorphies and plesiomorphies as well as diagnostic and nondiagnostic anatomical, morphological, and phytochemical features also for the higher ranks within the tree.

The intuitive color-coding facilitates memorization and teaching.

Translations are now available in 16 languages
(all freely accessible via ResearchGate and other platforms).

This is part of a series of educational posters on the phylogeny of land plants:

Poster 1: Angiosperms

Poster 2: Tracheophytes: Lycophytes, Ferns, Gymnosperms

Poster 3: Bryophytes: Liverworts, Mosses, Hornworts

Acknowledgements – Sincere thanks go to our team members and to our consultants: Hiroyuki Akiyama, Oyuntsetseg Batlai, Sahut Chantanaorrapint, Denise Pinheiro da Costa, Nyambayar Dashzeveg, Enkhjargal Enkhtaivan, Johannes Enroth, Zigmantas Gudžinskas, Ida Haerida, Xiaolan He, Lars Hedenäs, Michael Ignatov, Harald Kürschner Rafael Medina, Svitlana O. Nyporko, Ryszard Ochyra, Dietmar Quandt, Juan Carlos Villarreal, Elizabeth A. Widjaja, Wen Ye, Li Zhang

Theodor C. H. Cole, Dipl. Biol., Hartmut H. Hilger, Prof. Dr.

tchcole@gmx.de, t.c.h.cole@fu-berlin.de
Hartmut.Hilger@fu-berlin.de
Dahlem Centre of Plant Sciences (DCPS)
Institute of Biology – Botany
Freie Universität Berlin
Altensteinstr. 6, D-14195 Berlin, Germany

Bernard Goffinet, Ph.D.

bernard.goffinet@uconn.edu
Dept. of Ecology and Evolutionary Biology
University of Connecticut
75 North Eagleville Road
Storrs CT, 06269-3043, USA