

**MICHAEL J. DONOGHUE**

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**A. Professional preparation**

Michigan State University, East Lansing, MI	Botany	B.S. (honors), 1976
Harvard University, Cambridge, MA	Biology	Ph.D., 1982

**B. Professional appointments**

**2000-present:** Sterling Professor of Ecology and Evolutionary Biology (2010- ), G. E. Hutchinson Professor of Ecology and Evolutionary Biology (2000-2010), Yale Univ., with appointments in the Department of Geology and Geophysics, in the School of Forestry and Environmental Studies, and as Curator of Botany in the Peabody Museum of Natural History; Chair, Department of Ecology and Evolutionary Biology (2001-02); Director, Peabody Museum (2003-08); Vice President for West Campus Planning and Program Development (2008-10); Director, Marsh Botanical Garden (2015- ).

**1993-2000:** Professor of Organismic and Evolutionary Biology, Harvard University, and Director of the Harvard University Herbaria (1995-99).

**1998-1999:** Visiting Professor, Department of Biology, Stanford University.

**1985-1993:** Assistant Professor (1985-88), Associate Professor (1988-90), and Professor (1990-92) of Ecology and Evolutionary Biology, University of Arizona.

**1982-1985:** Assistant Professor of Biology, San Diego State University.

**Selected Society/Academy Appointments:** President, Society of Systematic Biologists (1994-95); Vice Chair, DIVERSITAS (2002-08), Fellow, American Association for the Advancement of Science (1997); Member, US National Academy of Sciences (2005); Member, American Academy of Arts and Sciences (2008).

**C. Products**

**Five relevant publications (of 245 total)**

Schmerler, S., W. Clement, J. Beaulieu, D. Chatelet, L. Sack, M. J. Donoghue, and E. Edwards. 2012. Evolution of leaf form correlates with tropical-temperate transitions in *Viburnum* (Adoxaceae). *Proc. Royal Soc. B: Biological Sciences* 279: 3905-3913.

Chatelet, D. S., W. Clement, L. Sack, M. J. Donoghue, and E. J. Edwards. 2013. The evolution of photosynthetic anatomy in *Viburnum* (Adoxaceae). *Int. Jour. Plant Sci.* 174: 1277-1291.

Clement, W., M. Arakaki, P. Sweeney, E. J. Edwards, and M. J. Donoghue. 2014. A chloroplast tree for *Viburnum* (Adoxaceae) and its implications for phylogenetic classification and character evolution. *Amer. J. Bot.* 101: 1029-1049.

Donoghue, M. J. and E. J. Edwards. 2014. Biome shifts and niche evolution in plants. *Annual Review of Ecology, Evolution, and Systematics* 45: 547-572.

Spriggs, E. L., W. L. Clement, P. W. Sweeney, S. Madriñán, E. J. Edwards, and M. J. Donoghue. 2015. Temperate radiations and dying embers of a tropical past: the diversification of *Viburnum*. *New Phytologist* 207: 340-354.

**Five additional recent publications**

Weber, M. G., M. J. Donoghue, W. L. Clement, and A. A. Agarwal. 2012. Phylogenetic and experimental tests of interactions among mutualistic plant defense traits in *Viburnum* (Adoxaceae). *Amer. Nat.* 180: 450-463.

Beaulieu, J. M. and M. J. Donoghue. 2013. Fruit evolution and diversification in campanulid angiosperms. *Evolution* 67: 3132-3144.

- Leslie, A. B., J. M. Beaulieu, P. R. Crane, and M. J. Donoghue. 2014. Cone size is related to branching architecture in conifers. *New Phytologist* 203: 1119-1127.
- Edwards, E. J., D. Chatelet, L. Sack, and M. J. Donoghue. 2014. Leaf life span and the leaf economic spectrum in the context of whole plant architecture. *Jour. Ecology* 102: 328-336.
- Donoghue, M. J. and M. J. Sanderson. 2015. Confluence, synnovation, and depauperons in plant diversification. *New Phytologist* 207: 260-274.

#### **D. Synergistic activities**

- Science, Technology, and Education Advisory Committee (STEAC), National Ecological Observatory Network (NEON) (2009-13).
- Biological Science Advisory Committee (BioAC), National Science Foundation (2009-12).
- Member-at-Large, National Research Council, US Nat. Committee, DIVERSITAS (2011-14).
- Recent Plenary Lectures: Association of Tropical Biologists, Bali, Indonesia (2010); Biodiversity Information Standards (TDWG), New Orleans, LA (2011); Kyushu University 100<sup>th</sup> Anniversary Symposium (2011); Quebec Centre for Biodiversity Science, McGill University, Montreal, Canada (2011); South African Society for Systematic Biology, Arniston, SA (2012); Plant Radiations Symposium, Zurich, Switzerland (2014).
- Selected internet resources: TreeBASE: a database of phylogenetic knowledge (with W. Piel, M. Sanderson et al.), <http://www.treebase.org>; Phylomatic: a database for applied phylogenetics (with C. Webb), <http://www.phylodiversity.net/phylomatic>; "Travels in the Great Tree of Life," Yale Peabody Museum of Natural History, <http://archive.peabody.yale.edu/exhibits/treeoflife>.

#### **E. Collaborators and other affiliations**

##### **Collaborators and co-editors (past 48 months; excluding students– see below):**

- A. Agarwal (Cornell U.), D. Baum (U. Wisconsin), J. Cavender-Bares (U. Minnesota), N. Cellinese (U. Florida), D. Chatelet (Brown U.), E. Conti (U. Zurich), J. Cracraft (Am. Mus. Nat. Hist.), K. Crandall (Brigham Young U.), P. Crane (Yale U.), K. Cranston (NESCent), C. Davis (Harvard U.), K. de Queiroz (Smithsonian), G. Desurmont (Cornell U.), S. Diaz (Cordoba National U.), D. Faith (Sydney), S. Goff (U. Arizona), N. Havill (Yale U.), A. Hendry (McGill U.), K. Holsinger (U. Connecticut), B. Jacobs (Leiden), P. Jordano (Sevilla, Spain), S. Kembel (U. Quebec), L. Lohmann (U. Sao Paulo), G. Mace (U. College London), S. Magallon (UNAM), V. Mayer (Vienna, Austria), C. Moritz (UC Berkeley), J. Pickering (Yale), L. Sack (UCLA), S. Schmerler (Brown U.), E. Smets (Leiden), M. Smith (Colorado State U.), D. Soltis (U. Florida), P. Soltis (U. Florida), A. Stamatakis (Germany), S. Strobel (Yale), S. Sultan (Wesleyan), N. Theis (U. Massachusetts), M. Weber (Cornell U.), Q. Wheeler (Arizona State U.), T. Yahara (Kyushu U.), R. Zardoya (Madrid).

**Graduate Advisor:** Carroll E. Wood, Jr., Harvard University.

**Thesis Advisor (25 graduate students total):** J. Beaulieu (U. Tennessee), C. Bell (U. New Orleans), G. Bharathan (U. Delhi), S. Carlson (USAID), C. Davis (Harvard U.), J. Dice (CalTrans), E. Edwards (Brown U.), D. Ferguson (Louisiana State U.), A. Greenberg (U. Michigan), S-T. Kim (center Genomic Eng. S. Korea), C. Maley (Arizona State U.), J. Malusa (Discov. Mag.), B. Moore (UC Davis), R. Novick (Notre Dame), J. M. Porter (Rancho Santa Ana Gard.), R. Ree (Field Museum), M. Sanderson (U. Arizona), S. Smith (Univ. Mich), R. Spangler (U. Minnesota), G. Weiblen (U. Minnesota), E. Forrestel (Arnold Arboretum, Harvard). Current: S. Federman, B. Park, M. Sinnott-Armstrong, E. Spriggs.

**Postgraduate-Scholar Sponsor (25 postdocs total):** M. Evans (U. Arizona), D. Howarth (St. Johns U.), E. Lo (UC Irvine), D. Tank (U. Idaho), C. Webb (Arnold Arboretum), R. Winkworth (Fiji), W. Clement (College of New Jersey), A. Leslie (Brown U.), M. Ogburn (Southern Utah U.). Current: D. Eaton, D. Chatelet, C. Jander.