

Curriculum Vitae
GREGORY M. PLUNKETT

ADDRESS:

New York Botanical Garden
2900 Southern Blvd.
Bronx, NY 10458-5126

Work Ph#: (718) 817-8179
FAX#: (718) 817-8101
e-mail: gplunkett@nybg.org

BIRTH DATE:

February 21, 1965. Bayonne, New Jersey, USA

EDUCATION:

Ph.D. (Botany), **Washington State University** (D.E. Soltis, advisor). 1994.
M.A. (Biology), **The College of William and Mary in Virginia** (G.W. Hall, advisor). 1990.
B.S. (Biology), **The College of William and Mary in Virginia**. 1987.

CURRENT POSITION:

Director & Curator, Cullman Program for Molecular Systematics, New York Botanical Garden.

CURRENT AFFILIATED POSITIONS:

Affiliate Professor of Biology, Virginia Commonwealth University. 2009–present.
Doctoral Faculty in Plant Sciences, The Graduate Center, CUNY. 2009–present.
Research Associate, Missouri Botanical Garden, St. Louis. 2002–present.

PAST FACULTY POSITIONS

Professor of Biology, Virginia Commonwealth University. 2008–2009.
Associate Professor of Biology, Virginia Commonwealth University. 2002–2008.
Assistant Professor of Biology, Virginia Commonwealth University. 1996–2002.

OTHER PROFESSIONAL EXPERIENCE:

Curator, Herbarium of Virginia Commonwealth University (VCU). 1996–2009.
Graduate Faculty, Molecular Biology and Genetics Program, VCU. 1998–2009.
Fellow, Center for the Study of Biological Complexity, VCU. 2002–2009.
Visiting Curator/Professeur, Muséum National d'Histoire Naturelle, Paris. 2004, 2005.
Visiting Scientist, University of the South Pacific, Suva, Fiji. Feb-July 2003.
Visiting Scientist, Australian National Herbarium, Canberra, ACT, Australia. January 2003.
Post-doctoral Research Associate, Dept. of Plant Biology, University of Illinois. 1995–1996.
Instructor of Botany and Biology, Washington State University. 1994–95.

MEMBERSHIP IN PROFESSIONAL SOCIETIES:

Botanical Society of America (since 1990)
American Society of Plant Taxonomists (since 1990)
Society of Systematic Biologists (since 1990)
International Association for Plant Taxonomy (since 2001)

PEER-REVIEWED PAPERS (PUBLISHED, IN PRESS, OR ACCEPTED):

[42 PAPERS]

- Plunkett, G.M.**, M.G. Pimenov, J.-P. Reduron, E. V. Kljuykov, B.-Y. Lee, B.-E. van Wyk, P. M. Tilney, M. F. Watson, T. A. Ostroumova, K. Spalik, J. M. Hart, M. J. Henwood, C. J. Webb, F.-D. Pu, A. D. Mitchell, and B. Muckensturm. *Accepted*. Apiaceae. In K. Kubitzki (ed.) *The Families and Genera of Vascular Plants*, Springer-Verlag, Berlin, Germany.
- Plunkett, G.M.** and P.P. Lowry II. *Accepted*. Araliaceae. In K. Kubitzki (ed.) *The Families and Genera of Vascular Plants*, Springer-Verlag, Berlin, Germany.
- Plunkett, G.M.**, P.P. Lowry II, and G.E. Schatz. *Accepted*. Melanophyllaceae. In K. Kubitzki (ed.) *The Families and Genera of Vascular Plants*, Springer-Verlag, Berlin, Germany.
- Liu, M., **G.M. Plunkett**, and P.P. Lowry II. 2010. Fruit anatomy provides structural synapomorphies to help define Myodocarpaceae (Apiales). *Systematic Botany*, in press.
- Fiaschi, P., F.A.R. Santos, E. Westbrook, and **G.M. Plunkett**. 2010. Taxonomic significance of pollen morphology in Neotropical *Schefflera* (Araliaceae). *Plant Diversity and Evolution*, in press.
- Frodin, D.G., P.P. Lowry II, and **G.M. Plunkett**. 2010. *Schefflera* (Araliaceae): taxonomic history, overview, and progress. *Plant Diversity and Evolution*, in press.
- Lowry, P.P. II and **G.M. Plunkett**. 2010. Recircumscription of *Polyscias* (Araliaceae) to include six related genera, with a new infrageneric classification and a synopsis of species. *Plant Diversity and Evolution*, in press.
- Plunkett, G.M.** and P.P. Lowry II. 2010. Paraphyly and polyphyly in *Polyscias* sensu lato: molecular evidence and the case for recircumscribing the “pinnate genera” of Araliaceae. *Plant Diversity and Evolution*, in press.
- Nicolas, A.N. and **G.M. Plunkett**. 2009. The demise of subfamily Hydrocotyloideae (Apiaceae) and the re-alignment of its genera across the entire order Apiales. *Molecular Phylogenetics and Evolution* 53: 134-151.
- Liu, M., B.-E. Van Wyk, P.M. Tilney, **G.M. Plunkett**, and P.P. Lowry II. 2009. Evidence from fruit structure supports in general the circumscription of Apiaceae subfamily Azorelloideae. *Plant Systematics and Evolution* 280: 1-13.
- Fiaschi, P., D.G. Frodin, and **G.M. Plunkett**. 2008. Four new species of the Didymopanax group of *Schefflera* (Araliaceae) from the Brazilian Amazon. *Brittonia* 60: 274-286.
- Keppel, G., P. Hodgskiss, and **G.M. Plunkett**. 2008. Cycads in the insular South-west Pacific: dispersal or vicariance? *Journal of Biogeography* 35: 1004-1015.
- Chandler, G.T., **G.M. Plunkett**, Pinney, S.M., L. Cayzer, and C. Gemmill. 2007. Molecular and morphological agreement in Pittosporaceae: phylogenetic analysis using nuclear ITS and plastid *trnL-trnF* sequence data. *Australian Systematic Botany* 20: 390-401.
- Liu, M., **G.M. Plunkett**, P.P. Lowry II, B.-E. van Wyk, and P.M. Tilney. 2006. The taxonomic value of fruit wing types in the order Apiales. *American Journal of Botany* 93: 1357-1368.
- Reid, J.D., **G.M. Plunkett**, and G.A. Peters. 2006. Phylogenetic relationships in the heterosporous fern genus *Azolla* (Azollaceae) based on DNA sequence data from three non-coding regions. *International Journal of Plant Sciences*, 167: 529-538.
- Plunkett, G.M.**, P.P. Lowry II, D.G. Frodin, and J. Wen. 2005. Phylogeny and geography of *Schefflera*: pervasive polyphyly in the largest genus of Araliaceae. *Annals of the Missouri Botanical Garden*, 92: 202-224.
- Tronchet, F., **G.M. Plunkett**, J. Jérémie, P.P. Lowry II. 2005. Monophyly and major clades of *Meryta* (Araliaceae). *Systematic Botany* 30: 657-670.
- Plunkett, G.M.**, P.P. Lowry II, N. V. Vu. 2004. Phylogenetic relationships among *Polyscias* (Araliaceae) and close relatives from the Indian Ocean basin. *International Journal of Plant Sciences* 165: 861-873.
- Lowry, P.P. II, **G.M. Plunkett**, V. Raquet, T.S. Sprenkle, J. Jérémie. 2004. Inclusion of the endemic New Caledonian genus *Pseudosciadium* in *Delarbrea* (Apiales, Myodocarpaceae). *Adansonia, sér. 3*, 26: 251-256.

- Yi, T., P.P. Lowry II, **G.M. Plunkett**, and J. Wen. 2004. Chromosomal evolution in Araliaceae and close relatives. *Taxon* 53: 987-1005.
- Plunkett, G.M.**, G.T. Chandler, P.P. Lowry II, S.M. Pinney, and T.S. Sprenkle. 2004. Recent advances in understanding Apiales and a revised classification. *South African Journal of Botany* 70: 371-381.
- Lowry, P.P. II, **G.M. Plunkett**, and J. Wen. 2004. Generic relationships in core Araliaceae: looking into the crystal ball. *South African Journal of Botany* 70: 382-392.
- Plunkett, G.M.**, J. Wen, and P. P. Lowry II. 2004. Intrafamilial relationships in Araliaceae: insights from plastid (*trnL-trnF*) and nuclear (ITS) sequence data. *Plant Systematics and Evolution* 245: 1-39.
- Chandler, G. T. and **G. M. Plunkett**. 2004. Evolution in Apiales: nuclear and chloroplast markers together in (almost) perfect harmony. *Botanical Journal of the Linnean Society* 144: 123-147.
- Eibl, J.M., **G.M. Plunkett**, and P.P. Lowry II. 2001. Evolution of *Polyscias* sect. *Tieghemopanax* (Araliaceae) based on nuclear and chloroplast DNA sequence data. *Adansonia*, sér. 3, 23: 23-48.
- Plunkett, G.M.** and P.P. Lowry II. 2001. Relationships among "Ancient Araliads" and their significance for the systematics of Apiales. *Molecular Phylogenetics and Evolution* 19: 259-276.
- Watson, M. F., **G. M. Plunkett**, S. R. Downie, and P. P. Lowry II. 2001. Introduction: Evolution, biogeography, and systematics of the Apiales (Araliaceae and Apiaceae). *Edinburgh Journal of Botany* 58: 179-181.
- Downie, S.R., **G.M. Plunkett**, M.F. Watson, K. Spalik, D.S. Katz-Downie, K.M. Valiejo-Roman, E.I. Terentieva, A.V. Troitsky, B.-Y. Lee, J. Lahham and A. El-Oqlah. 2001. Tribes and clades within Apiaceae subfamily Apioideae: the contribution of molecular data. *Edinburgh Journal of Botany* 58: 301-330.
- Plunkett, G. M.** 2001. The relationship of the order Apiales to subclass Asteridae: a re-evaluation of morphological characters based on insights from molecular data. *Edinburgh Journal of Botany* 58: 183-200.
- Schlessman, M.A., **G.M. Plunkett**, P.P. Lowry II, and D.G. Lloyd. 2001. Sexual systems of New Caledonian Araliaceae: A preliminary phylogenetic reappraisal." *Edinburgh Journal of Botany* 58: 221-228.
- Lowry, P.P. II, **G.M. Plunkett**, and A.A. Oskolski. 2001. Evolution of early lineages in Araliales: insights from morphology, wood anatomy and molecular data. *Edinburgh Journal of Botany* 58: 207-220.
- Plunkett, G.M.**, P.P. Lowry II, and M.K. Burke. 2001. The phylogenetic status of *Polyscias* (Araliaceae) based on nuclear ITS sequence data. *Annals of the Missouri Botanical Garden* 88: 213-230.
- Wen, J., **G.M. Plunkett**, A. D. Mitchell, and S. J. Wagstaff. 2001. The evolution of Araliaceae: a phylogenetic analysis based on ITS sequences of nuclear ribosomal DNA. *Systematic Botany* 26: 144-167.
- Plunkett, G.M.** and S.R. Downie. 2000. Expansion and contraction of the chloroplast inverted repeat in Apiaceae subfamily Apioideae. *Systematic Botany* 25: 648-667.
- Plunkett, G.M.** and S.R. Downie. 1999. Major lineages within Apiaceae subfamily Apioideae: a comparison of chloroplast restriction site data and DNA sequence data. *American Journal of Botany* 86: 1014-1026.
- Plunkett, G.M.**, D.E. Soltis, and P.S. Soltis. 1997. Clarification of the relationship between Apiaceae and Araliaceae based on *matK* and *rbcL* sequence data. *American Journal of Botany* 84: 565-580.
- Plunkett, G.M.**, D.E. Soltis, and P.S. Soltis. 1996. Evolutionary patterns in Apiaceae: inferences based on *matK* sequence data. *Systematic Botany* 21: 477-495.
- Plunkett, G.M.**, D.E. Soltis, and P.S. Soltis. 1996. Higher level relationships of Apiales (Apiaceae and Araliaceae) based on phylogenetic analysis of *rbcL* sequences. *American Journal of Botany* 83: 499-515.
- Plunkett, G.M.**, D.E. Soltis, P.S. Soltis, and R.E. Brooks. 1995. Phylogenetic relationships between Juncaceae and Cyperaceae: insights from *rbcL* sequence data. *American Journal of Botany* 82: 520-525.

- Soltis, P.S., **G.M. Plunkett**, S.J. Novak, and D.E. Soltis. 1995. Genetic variation in *Tragopogon* species: additional origins of the allotetraploids *T. mirus* and *T. miscellus* (Compositae). *American Journal of Botany* 82: 1329-1341
- Plunkett, G.M.** and G.W. Hall. 1995. Vascular flora and vegetation of western Isle of Wight County, Virginia. *Castanea* 60: 30-59.
- Chase, M. W., et al. 1993. Phylogenetics of seed plants: an analysis of nucleotide sequences from the plastid gene *rbcl*. *Annals of the Missouri Botanical Garden* 80: 528-580.

PEER-REVIEWED PAPERS (SUBMITTED):

[2 PAPERS]

- Fiaschi, P., and **G.M. Plunkett**. *Submitted*. Monophyly and phylogenetic relationships of Neotropical *Schefflera* (Araliaceae) based on plastid and nuclear markers. *Systematic Botany*.
- Plunkett, G.M.**, J. Wen, P.P. Lowry II, A.D. Mitchell, M.J. Henwood, and P. Fiaschi. *Submitted*. Araliaceae. In K. Kubitzki (ed.) *The Families and Genera of Vascular Plants*, Springer-Verlag, Berlin, Germany.

ON-LINE PUBLICATIONS:

- Fiaschi, P. and **G.M. Plunkett**. 2009. Neotropikey: interactive key to the flowering plants of the Neotropics. On-line resource: <http://www.kew.org/science/tropamerica/neotropikey.htm>. London: Royal Botanic Gardens Kew.

PAPERS/POSTERS AT NATIONAL OR INTERNATIONAL MEETINGS:

[61 PAPERS/POSTERS]

- Plunkett, G.M.**, A.N. Nicolas, P.P. Lowry II, P. Fiaschi, and D.G. Frodin. *Scheduled* 2010. Phylogenetic relationships among and within the Asian and Neotropical groups of *Schefflera* (Araliaceae) based on six molecular markers. National Meetings of the Botanical Society of America & the American Society of Plant Taxonomists, Providence, Rhode Island (August 2-4).
- Gostel, M.R., **G.M. Plunkett**, and P.P. Lowry II. *Scheduled* 2010. African-Malagasy *Schefflera* (Araliaceae), revisited: Expanded sampling reveals insights into morphological and biogeographic patterns. National Meetings of the Botanical Society of America & the American Society of Plant Taxonomists, Providence, Rhode Island (August 2-4).
- Oskolski, A.A., D.D. Sokoloff, **G.M. Plunkett**, P.P. Lowry II. *Scheduled* 2010. The flower of *Plerandra* (Araliaceae): a unique case of a polycyclic androecium within derived euasterids. National Meetings of the Botanical Society of America & the American Society of Plant Taxonomists, Providence, Rhode Island (August 2-4).
- Plunkett, G.M.**, and P.P. Lowry II. *Scheduled* 2010. Paraphyly, polyphyly, and multiple dispersals in Afro-Malagasy *Polyscias* (Araliaceae). XIXth AETFAT Congress (Association for the Taxonomic Study of the Flora of Tropical Africa), Antananarivo, Madagascar (April 25-30).
- Gostel, M.R., **G.M. Plunkett**, and P.P. Lowry II. *Scheduled* 2010. Evolutionary relationships in African-Malagasy *Schefflera*: Exploring phylogenetic and biogeographic connections. XIXth AETFAT Congress (Association for the Taxonomic Study of the Flora of Tropical Africa), Antananarivo, Madagascar (April 25-30).
- Plunkett, G.M.**, and A.N. Nicolas. 2010. Southern patterns in the origins of the dicot order Apiales (Apiaceae, Araliaceae, and related families). VIth Southern Connections Congress, Bariloche, Argentina.
- Lowry, P.P., and **G.M. Plunkett**. 2010. Multiple lineages of Apiales in New Caledonia: colonization, diversification, and dispersal across seven clades. VIth Southern Connections Congress, Bariloche, Argentina.
- Plunkett, G.M.**, P.P. Lowry II, and A.N. Nicolas. 2009. Incongruence among phylogenies of Melanesian *Schefflera* (Araliaceae): evidence from four plastid and three nuclear markers. National Meetings of the Botanical Society of America & the American Society of Plant Taxonomists, Snowbird, Utah.
- Gostel, M.R., **G.M. Plunkett**, P.P. Lowry II. 2009. Evolutionary relationships in African-Malagasy *Schefflera*: Exploring phylogenetic and biogeographic connections. National Meetings of the Botanical Society of America & the American Society of Plant Taxonomists, Snowbird, Utah.
- Fiaschi, P., **G.M. Plunkett**, F.A.R. Santos, and E. Westbrook. 2008. Pollen morphology in phylogenetic discussion of Neotropical *Schefflera* (Araliaceae). XII Simpósio Brasileiro de Paleobotânica e Palinologia, Florianópolis, Santa Catarina, Brazil.
- Plunkett, G.M.** and P.P. Lowry II. 2008. Evolution and Biogeography in Melanesian *Schefflera* (Araliaceae): an Assessment Based on ITS and ETS Sequence Data. Sixth International Apiales Symposium, Moscow, Russia.

- Nicolas, A.N. and **G.M. Plunkett**. 2008. Understanding evolutionary relationships in the angiosperm order Apiales. Sixth International Apiales Symposium, Moscow, Russia.
- Fiaschi, P. and **G.M. Plunkett**. 2008. Phylogenetics of the Didymopanax Group of Neotropical *Schefflera* (Araliaceae). Sixth International Apiales Symposium, Moscow, Russia.
- Fiaschi, P., **G.M. Plunkett**, F.A.R. Santos, and E. Westbrook. 2008. Systematic Significance of Pollen Morphology within Neotropical *Schefflera* (Araliaceae). Sixth International Apiales Symposium, Moscow, Russia.
- Van Wyk, B.-E. P.M. Tilney, A.R. Magee, B.J. De Villiers, A.A. Oskolski, M. Liu, P.J.D. Winter, C.I. Calviño, S.R. Downie, **G.M. Plunkett**, and P.P. Lowry II. 2008. A review of taxonomic studies in African Apiaceae. Sixth International Apiales Symposium, Moscow, Russia.
- De Villiers, B.J., B.-E. van Wyk, P.M. Tilney, **G.M. Plunkett**, P.P. Lowry II, A.A. Oskolski. 2008. A taxonomic study of the genus *Cussonia* and related genera (Araliaceae). Sixth International Apiales Symposium, Moscow, Russia.
- Liu M., B.-E. van Wyk, P.M. Tilney, **G.M. Plunkett**, P.P. Lowry II. 2008. Morphological characters of the carpophores of Drude's tribe Mulineae (Apiaceae) and their possible taxonomic value. Sixth International Apiales Symposium, Moscow, Russia.
- Plunkett, G.M.** and P.P. Lowry II. 2007. Evolution and Biogeography in Melanesian *Schefflera* (Araliaceae): a Preliminary Assessment Based on ITS and ETS Sequence Data. National Meetings of the Botanical Society of America & the American Society of Plant Taxonomists, Chicago, IL.
- Nicolas, A.N. and **G.M. Plunkett**. 2007. Placement of the Hydrocotyloids Based on a New Phylogeny with Expanded Sampling across the Order Apiales. National Meetings of the Botanical Society of America & the American Society of Plant Taxonomists, Chicago, IL.
- Fiaschi, P., **G.M. Plunkett**, and P.P. Lowry II. 2007. What do we know about Neotropical *Schefflera* (Araliaceae)? A first molecular phylogenetic analysis. National Meetings of the Botanical Society of America & the American Society of Plant Taxonomists, Chicago, IL.
- De Villiers, B.J., B.-E. van Wyk, P.M. Tilney, **G.M. Plunkett**, and P.P. Lowry II, 2007. The taxonomic significance of leaf anatomical characters in *Cussonia* (Araliaceae). *South African Journal of Botany* 73: 285. Annual Congress of the South African Association of Botanists, University of Cape Town.
- Plunkett, G.M.** and P.P. Lowry II. 2005. Phylogenetic and biogeographic relationships in *Polyscias* s. lat. (Araliaceae). XVIIth International Botanical Congress, Vienna, Austria.
- Tronchet, F., **G.M. Plunkett**, J. Jérémie, and P.P. Lowry II. 2005. Phylogeny and biogeography of the Pacific genus *Meryta* (Araliaceae) based on ITS and ETS sequence data. XVIIth International Botanical Congress, Vienna, Austria.
- Plunkett, G.M.** and P.P. Lowry II. 2005. *Polyscias* s. lat. (Araliaceae) in the Indian Ocean basin: paraphyly, polyphyly, and multiple dispersals. Fifth International Apiales Symposium, Vienna, Austria.
- Lowry, P.P. II & **G.M. Plunkett**. 2005. Breaking up is hard to do: a road map to generic realignments in *Polyscias* s. lat. and *Schefflera* s. lat. (Araliaceae). Fifth International Apiales Symposium, Vienna, Austria.
- Tronchet, F., **G.M. Plunkett**, J. Jérémie, and P.P. Lowry II. 2005. Phylogeny, biogeography and morphology of the Pacific genus *Meryta* (Araliaceae). Fifth International Apiales Symposium, Vienna, Austria.
- Wen, J., C. Lee, **G.M. Plunkett**, and P.P. Lowry II. 2005. Diversity and evolution of Araliaceae in Asia. Fifth International Apiales Symposium, Vienna, Austria.
- Chandler, G.T., S.M. Pinney, L.W. Cayzer, **G.M. Plunkett**. 2005. A Molecular systematic study and overview of Pittosporaceae. Fifth International Apiales Symposium, Vienna, Austria.
- Nicolas, A.N., **G.M. Plunkett**, B.L. Brown. 2005. Evolution and taxonomy of clupeid subfamily Alosinae. Northeast Fish and Wildlife Conference, Virginia Beach, VA.
- Plunkett, G.M.**, P.P. Lowry II, and N.V. Vu. 2004. Paraphyly, polyphyly, and geography in *Polyscias* sensu lato (Araliaceae): examples from the Indian Ocean Basin clade. National Meetings of the Botanical Society of America & the American Society of Plant Taxonomists, Snowbird, UT.
- Chandler, G.T., **G.M. Plunkett**, and S.M. Pinney. 2004. A beginners guide to Pittosporaceae: a first molecular phylogeny. National Meetings of the Botanical Society of America & the American Society of Plant Taxonomists, Snowbird, UT.
- Tronchet, F., **G.M. Plunkett**, J. Jérémie, and P.P. Lowry. 2004. Phylogeny of *Meryta* (Araliaceae) based on nuclear ribosomal ITS and ETS sequence data. National Meetings of the Botanical Society of America & the American Society of Plant Taxonomists, Snowbird, UT.
- Wen, J., C. Lee, **G.M. Plunkett**, and P.P. Lowry II. 2004. Evolution of Araliaceae in Asia: inference from the ITS, *ndhF*, *trnL-F*, and morphological data. National Meetings of the Botanical Society of America & the American Society of Plant Taxonomists, Snowbird, UT.

- Lowry, P.P. II, **G.M. Plunkett**, and J. Wen. 2003. Araliaceae in Africa and Madagascar: major taxonomic changes resulting from recent phylogenetic studies." AETFAT Congress (= Association for the Taxonomic Study of the Tropical African Flora), Addis Ababa, Ethiopia.
- Chandler, G.T., and **G.M. Plunkett**. 2003. The phylogenetic placement and evolutionary significance of the polyphyletic subfamily Hydrocotyloideae (Apiaceae). National Meetings of the Botanical Society of America & the American Society of Plant Taxonomists, Mobile, AL.
- Yi, T., P.P. Lowry II, **G.M. Plunkett**, and J. Wen. 2003. Chromosomal evolution in the Araliaceae. National Meetings of the Botanical Society of America & the American Society of Plant Taxonomists, Mobile, AL.
- Sprenkle, T.S., **G.M. Plunkett**, and P.P. Lowry II. 2003. Molecular systematics of tribe Myodocarpeae (Araliaceae s.l.). National Meetings of the Botanical Society of America & the American Society of Plant Taxonomists, Mobile, AL.
- Plunkett, G.M.**, J. Wen, and P.P. Lowry II. 2003. Phylogeny of Araliaceae, Part I: Broad Patterns of Intrafamilial Relationships. International Apiales Symposium, Pretoria, South Africa.
- Lowry II, P.P., J. Wen, and **G.M. Plunkett**. 2003. Phylogeny of Araliaceae, Part II: Inter- and Intrageneric Relationships. International Apiales Symposium, Pretoria, South Africa.
- Plunkett, G.M.**, G.T. Chandler, and S.M. Pinney. 2003. Apiales around the Edges: Relationships in and among the "Fringe Families." International Apiales Symposium, Pretoria, South Africa.
- Plunkett, G.M.**, P.P. Lowry, D.G. Frodin. 2002. Molecular data suggest that *Schefflera* (Araliaceae) is polyphyletic: morphological, biogeographic, and taxonomic implications. National Meetings of the Botanical Society of America & the American Society of Plant Taxonomists, Madison, WI.
- Chandler, G.T., and **G.M. Plunkett**. 2002. Recent advances in the resolution of intra-ordinal affinities in the Apiales: evidence from 26S rDNA. National Meetings of the Botanical Society of America & the American Society of Plant Taxonomists, Madison, WI.
- Reid, J.D., **G.M. Plunkett**, and G.A. Peters. 2002. Systematics of the genus *Azolla* (Azollaceae). National Meetings of the Botanical Society of America & the American Society of Plant Taxonomists, Madison, WI.
- Plunkett, G.M.**, P.P. Lowry II, and J.M. Eibl. 2001. Evolution and Speciation in New Caledonian Araliaceae. National Meetings of the Botanical Society of America & the American Society of Plant Taxonomists, Albuquerque, N.M.
- Vu, N.V., **G.M. Plunkett**, and P.P. Lowry II. 2001. Phylogenetic study of Madagascan *Polyscias* and close relatives in the Ginseng family (Araliaceae). National Meetings of the Botanical Society of America & the American Society of Plant Taxonomists, Albuquerque, N.M.
- Vu, N.V., **G.M. Plunkett**, and P.P. Lowry II. 2001. Molecular data are consistent with geographic distribution but not with morphological treatment of Malagasy *Polyscias* and related genera (Araliaceae, ginseng). National meetings of the American Institute of Biological Sciences, Washington, DC.
- Plunkett, G.M.**, P.P. Lowry, J.M. Eibl, and N.V. Vu. 2000. The phylogenetic status of *Schefflera* and *Polyscias*: the non-monophyly of the two largest genera in Araliaceae. *Amer. J. Bot.* 87 (6). Botanical Society of America/American Society of Plant Taxonomists meetings (August 2000), Portland, Oregon.
- Plunkett, G.M.**, A.A. Oskolski (presenter), and P.P. Lowry. 2000. Relationships of *Polyscias* (Araliaceae): Insights from Molecular and Comparative Wood-Anatomical Data. Symposium on Plant Systematics and Evolution, Moscow, Russia.
- Plunkett, G.M.** 1999. The relationship of the order Apiales to subclass Asteridae: a re-evaluation of morphological characters based on insights from molecular data. XVI International Botanical Congress, St. Louis, MO.
- Downie, S.R., **G.M. Plunkett**, M.F. Watson, D.S. Katz-Downie, K. Spalik, and B. Lee. 1999. Major clade delimitation within Apiaceae subfamily Apioideae. XVI International Botanical Congress, St. Louis, MO.
- P.P. Lowry, **G.M. Plunkett**, and A.A. Oskolski. 1999. Evolution of early lineages in Araliales: insights from morphology, wood anatomy and molecular data. XVI International Botanical Congress, St. Louis, MO.
- Schlessman, M.A., **G.M. Plunkett**, P.P. Lowry, and D.G. Lloyd. 1999. Sexual systems of New Caledonian Araliaceae: A preliminary phylogenetic reappraisal. XVI International Botanical Congress, St. Louis, MO.
- Plunkett, G.M.** 1998. Endemic araliad genera from New Caledonia and their implications for phylogeny and taxonomy in Araliales (Apiaceae and Araliaceae). *Amer. J. Bot.* 85 (6): 151. AIBS/Botanical Society Meetings (1998), Baltimore, Maryland.
- Plunkett, G.M.**, and S. R. Downie. 1997. Phylogeny of Apioideae (Apiaceae): a comparison of chloroplast restriction site data to DNA sequence data. Evolution Meetings, Boulder.
- Plunkett, G.M.**, and D.E. Soltis. 1996. Evolutionary and geographic patterns in the family pair Apiaceae-Araliaceae based on *matK* and *rbcL* sequence data. *American Journal of Botany* 83 (6): 186. AIBS Meetings/Botanical Society, Seattle.

- Downie, S. R., G.M. Plunkett, S. Ramanath, D. S. Katz-Downie, D. E. Soltis, and P. S. Soltis. 1996. Relationships in Apiaceae subfamily Apioideae as inferred by phylogenetic analyses of chloroplast and nuclear DNA sequences. *American Journal of Botany* 83 (6): 153. AIBS/Botanical Society Meetings, Seattle.
- Plunkett, G.M., P.S. Soltis, D.E. Soltis, and D.R. Morgan. 1995. Phylogeny, geography, and radiation of Proteaceae. Molecular Evolution and Adaptive Radiation Symposium, Evolution/Systematic Biology Meetings, Montreal.
- Plunkett, G.M., D.E. Soltis, P.S. Soltis, and R. Brooks. 1993. Phylogenetic relationships between Juncaceae and Cyperaceae based on *rbcL* sequence data. *American Journal of Botany* 80(6): 170. AIBS/Botanical Society Meetings, Ames.
- Plunkett, G.M., D.E. Soltis, P.S. Soltis. 1994. Phylogenetic relationships within and between Araliaceae and Apiaceae based on *rbcL* and *matK* sequence data. *American Journal of Botany* 81(6): 180. AIBS/Botanical Society Meetings, Knoxville.
- Plunkett, G.M., D.E. Soltis, and P.S. Soltis. 1992. Molecular phylogenetic study of Apiales (Apiaceae, Araliaceae, and Pittosporaceae). *American Journal of Botany* 79(6): 158. AIBS/Botanical Society Meetings, Honolulu.
- Plunkett, G.M., S.J. Novak, P.S. Soltis, and D.E. Soltis. 1991. Molecular evidence of multiple origins in the allotetraploids *Tragopogon miscellus* and *T. mirus* (Asteraceae). *Amer. J. Bot.* 78(6): 210. AIBS/Botanical Society Meetings, San Antonio.

RESEARCH GRANTS AWARDED:

- 2006–2009: *National Science Foundation* (DEB–Systematics Program). [\$400,000]. “Tackling *Schefflera*: Initiating the Re-circumscription of the Largest Genus in Araliaceae.” REVSYS/Collaborative Research; Collaborative-PI: P.P. Lowry II, Missouri Botanical Garden.
- 2008–2009: *National Geographic Society* [\$24,293]. “Dismantling the Bridge between Apiaceae and Araliaceae — Biogeography and Phylogeny of South American Hydrocotyloids.”
- 2004–2007: *Jeffress Memorial Trust*. [\$39,219]. “Evolutionary Patterns in the *Plerandra* group of *Schefflera* (Araliaceae).”
- 2003–2005: *National Geographic Society*: [\$20,330] “Biogeographic and Systematic Relationships of Australasian Araliaceae.”
- 2000–2004: *National Science Foundation* (DEB–Systematics Program). [\$200,000] “Phylogeny and Diversification of Araliales,”
- 1999–2002: *Jeffress Memorial Trust*. [\$51,496]. “Interpreting Biogeographic Patterns in Araliaceae.”
- 1996–1997: *National Geographic Society* Research and Exploration Grant. [\$23,110] “Phytogeographic and Evolutionary Relationships among Ancestral Lineages of Apiales.”
- 1996–1997: *Faculty Grant-in-Aid*, Virginia Commonwealth University. [\$5,000] “Molecular-Phylogenetic Study of Basal Lineages in Apiales.”
- 1992–1994: *National Science Foundation* Doctoral Dissertation Grant. [\$9,052] “Molecular Phylogenetics of Apiales.”

OTHER GRANTS AND AWARDS:

- Washington State University: Summer Graduate Research Assistantship, The Graduate School (1993); Travel Grant-in-Aid, The Graduate School (1992); Higinbotham Trust Award, Dept. of Botany (1994); Biddulph Memorial Fellowship (1993); Aase Memorial Fellowship (1990-93).
- Teagle Foundation Graduate Fellowship (1989-94).
- American Society of Plant Taxonomists, Grant for Graduate Student Research (1992).
- Delzie Demaree Travel Grant (1991).
- College of William & Mary: Arts & Sciences Minor Research Grant (1989); Graduate Fellowship (1989); Phi Sigma National Biological Honor Society (1986-1987).

HONORARY AWARDS:

- Academician**, Catholic Academy of Sciences in the USA.

Excellence in Scholarship Award, College of Humanities & Sciences, Virginia Commonwealth University. 2003.

Phi Kappa Phi, elected as faculty recipient for excellence in scholarship. 2002.

PROJECT ORGANIZER:

Families and Genera of Vascular Plants: Apiaceae & Araliaceae

Principle organizer for multi-authored family and generic treatments for 5 families: Apiaceae, Araliaceae, Myodocarpaceae, Aralidiaceae, and Melanophyllaceae.

INTERNATIONAL SYMPOSIA:

Symposium Vice-Chairman: "*Apiales VI: The Sixth International Symposium on Apiales.*" Moscow, Russia. June 24-27, 2008.

Symposium Co-organizer: "*Apiales V: The Fifth International Symposium on Apiales.*" Vienna, Austria. July 24-26, 2005.

Symposium Principal-Organizer, and Proceedings Co-Editor: "*Evolution, biogeography, and systematics of Apiales (Araliaceae and Apiaceae) [Apiales III].*" A General Symposium presented at the XVI International Botanical Congress (St. Louis, 1999).

The proceedings of this symposium were published together in an issue of the *Edinburgh Journal of Botany* (Volume 58, No. 2, 2001).

Presenter in the "*Phylogeny and systematics of the Asteridae*" Symposium, XVI International Botanical Congress, St. Louis, 1999. *Please note:* This symposium was independent of the one described above.

Presenter (2 papers) at "*Apiales Symposium IV,*" Pretoria, South Africa, January 2003.

INVITED SEMINARS:

University of the South Pacific (Fiji), Institute of Applied Sciences. May 2008.

New York Botanical Garden. February 2008.

Universidade de São Paulo (Brazil), Departamento de Botânico. August 2007.

Bishop Museum, Department of Natural Sciences. May 2007.

Virginia Commonwealth University, Department of Biology. Sept. 2004.

Smithsonian Institution, National Museum of Natural History, Dept. of Botany. June 2004.

Missouri Botanical Garden. August 2003.

North Carolina State University. April 2002.

George Washington University, Department of Biological Sciences. Oct. 2001.

University of Richmond, Department of Biology. Oct. 2001.

Boise State University, Department of Biology. May, 2001.

University of Kansas, Dept. Ecology & Evolutionary Biol./Natural Hist. Museum. Dec. 1999.

Vassar College, Department of Biology. March 1999.

University of Alberta, Department of Biological Sciences. March 1996.

University of Alaska Fairbanks, Institute of Arctic Biology. March 1995.

Virginia Commonwealth University, Department of Biology. Feb. 1995.

Kent State University, Department of Biological Sciences. Feb. 1995.

Northeast Missouri State University, Division of Science. Feb. 1995.

CONTRACT RESEARCH:

2002–2004: *Natural Resources Survey*, U.S. Army, Fort Lee. [\$3,000]

(Consulting botanist for a floristic survey as part of a team of naturalists.)

1997–1998: *Natural Resources Survey*, U.S. Army, Defense Supply Center. [\$4,225]

(Completed a floristic survey of the facility as part of a team of naturalists.)

SERVICE:

SCHOLARLY SERVICE:

- **Associate Editor** (2 terms), *Systematic Botany* (2001–2009).

- **Manuscript Reviewer:**

[96 MSS]

Adansonia [1 ms.]; *Advances in Legume Systematics* [1 ms.]; *American Journal of Botany* [10 mss.]; *Annals of Botany* [1 ms.]; *Annals of the Missouri Botanical Garden* [4 mss.]; *Australian Journal of Botany* [1 ms.]; *Australian Systematic Botany* [3 mss.] *Botanical Journal of the Linnean Society* [2 mss.]; *Botanische Jahrbücher* [2 mss.]; *Brittonia* [3 mss.]; *Bulletin of the Torrey Botanical Club* [3 mss.]; *Botany/Canadian Journal of Botany* [4 mss.]; *Contributions from the United States National Herbarium* [1 ms.] *Edinburgh Journal of Botany* [4 mss.]; *Evolution* [1 ms.]; *Fieldiana* [1 ms.]; *Flora of Maine Project* [1 ms.]; *International Journal of Plant Sciences* [3 mss.]; *Journal of Biogeography* [1 ms.]; *Journal of the Botanical Research Inst. of Texas/Sida* [4 mss.]; *Madroño* [1 mss.]; *Molecular Phylogenetics and Evolution* [10 mss.]; *New Zealand Journal of Botany* [3 mss.]; *Novon* [2 mss.]; *Plant Species Biology* [1 ms.]; *Plant Systematics and Evolution* [5 mss.]; *Rhodora* [1 ms.]; *South African Journal of Botany* [2 ms.]; *Systematic Biology* [1 ms.]; *Systematic Botany* [11 mss.]; *Taxon* [8 mss.].

- **Research Grant Reviews:**

Panel Member:

National Science Foundation, DEB–Systematics and Biodiversity Inventories, Oct. 2007
National Science Foundation, DEB–Systematic Biology, April 2001

Ad Hoc Reviews:

National Science Foundation (1997–2009). [25 reviews]
Australian Academy of Science (2007). [1 review]
Jeffress Memorial Trust Research Grant (2002–2006). [3 reviews]
National Research Foundation of South Africa (2004). [2 reviews]
Australian Biological Resources Study Research Grant (2002). [1 review]
Foundation for Research and Development of South Africa (1998). [1 review]
National Geographic Society (1997). [1 review]

- **Local Advisory Boards**

Lewis Ginter Botanical Garden, Education Committee (Academic Subcom.) 2000–present.
Flora of Virginia Project, Advisory Board. 2002–present.

- **Outside Reviewer for tenure, promotion, or research:**

Dr. Leigh Johnson, Brigham Young University, Provo (2009)
Dr. Ben-Erik van Wyk, Univ. of Johannesburg, South Africa (2009)
Dr. Patricia Tilney, Univ. of Johannesburg, South Africa (2009)
Dr. Murray Henwood, University of Sydney, NSW, Australia (2009)
Dr. Jun Wen, Field Museum of Natural History, Chicago (2004)
Dr. Ben-Erik van Wyk, Rand Afrikaans Univ., Johannesburg, South Africa (2004)
Dr. Patricia Tilney, Rand Afrikaans Univ., Johannesburg, South Africa (2004)
Dr. Murray Henwood, University of Sydney, NSW, Australia (1999)

- **Outside Examiner for Ph.D. Degrees** [5 total examinations]:

Anthony R. Magee University of Johannesburg, South Africa (2009)
Mei (Rebecca) Liu Rand Afrikaans Univ., Johannesburg, South Africa (2004)
Annemarie Costello: New York Univ. & NY Botanical Garden (2000-02)
Mahalia Schubert: Rand Afrikaans Univ., Johannesburg, South Africa (2001)
Lindy Cayzer: Australian National Univ., Canberra, Australia (1998)
Jennifer Hart: University of Sydney, NSW, Australia (1998)

UNIVERSITY SERVICE:

• **University- and College-level service:**

Third-year Review Committee, *Chairman* (T. Dawson-Cruz), Dept. of Forensic Science. 2006.
Graduate Program in Integrative Life Sciences, Committee. 2005-present.
Molecular Biology & Genetics Program, Membership Committee. 2003-present.
University Grievance Panel. 2004-2007.
College of Humanities & Sciences, Review Panel, Faculty Grant-in-Aid. 2001.
College of H & S, Panel Member, New Faculty Mentoring Program. 2000.
College of H & S, Faculty Development Advisory Committee. 1999.
University Faculty Council (Untenured Faculty Representative). 1997-8.
College of H & S, Undergraduate Advisory Committee. 1997.
College of H & S, Selection Committee for College Awards. 1998.
College of H & S, Committee on University Award Nominations. 1998.
University Open House for New Students (Biology Dept. Rep.). 1997.
Grade Dispute Review Committee. 1997.

• **Department-level service:**

Promotion Review Committee, *Chairman* (J. Reid). 2008.
Third-year Review Committee, *Chairman* (G. Mayer). 2008.
Third-year Review Committee, *Chairman* (R. Dyer). 2007.
Ad Hoc Committee on Undergraduate Advising. 2006.
Search Committee, *Chairman*, Plant-development faculty position. 2005.
Departmental Seminar Series, Organizer. Spring, 2005.
Search Committee, Population-genetics faculty position. 2004.
Promotion and Tenure Committee, *Chairman* (C. Turbeville). 2003.
Promotion Committee (L. Blem). 2002.
Graduate Affairs Committee. 1999-present.
Undergraduate Curriculum Committee, *member*, then *Chairman*. 1996-9.
Greenhouse Committee, *Chairman*. 1996-2007.
Faculty Advisor, Graduate Organization of Biology Students. 1997-2002.
Faculty Advisor, (Undergraduate) Biology Club. 1998-9.
Re-organized VCU Herbarium for use in departmental research & teaching. 1998.
“Web-master” for Department of Biology's Internet Homepages. 1997-1998.
Search Committee, Faculty Position in Botany Dept. (Washington St. Univ). 1993.

COMMUNITY SERVICE:

- Guest Speaker, Virginia Native Plant Society (Pocahontas Chapter). 2007.
- Coordinator, VCU-Lewis Ginter Botanical Garden One-night Botany Workshop for High School Teachers. 2005.
- Guest Speaker, Virginia Association of Biology Teachers. 2004.
- Schola Cantorum, St. Elizabeth Ann Seton Roman Catholic Church. 2002-present.
- Schola Cantorum, St. Joseph's Roman Catholic Church. 1997-2002.
- Guest Speaker, Virginia Native Plant Society, 2002.
- Knights of Columbus, 1996-pres.; St. Joseph's Council 12,525 (charter member, 1999) Officer (Recorder 2000-02; Deputy Grand Knight 2002, part year).
- Guest Speaker, "Summer Theologica" series, Diocese of Richmond. 2001.
- Guest Speaker, RCIA Course, St. Benedict Roman Catholic Church. 2001.
- Guest Columnist, *Garden Times* (Lewis Ginter Botanical Garden). 2001.

TEACHING:

CLASSROOM INSTRUCTION AND COURSE DEVELOPMENT:

BIOL 151 — Introduction to Biological Science I

11 semesters; 75–275 students per semester; 3 contact hours.

BIOZ 151 — Introduction to Biology Laboratory

5 semesters leading weekly preparations meetings with TAs

BIOL 391 — Economic Botany

3 semesters; 38-42 students, 3 contact hours.

BIOL 410 — Systematic Botany (Lecture & Laboratory)

4 semesters; 5–14 students; 7 contact hours.

BIOL 491 — Biological & Cultural Diversity of Borneo (November 2007 – January 2008)

1 winter intersession semester; 3 students.

BIOL 512 — Plant Diversity & Evolution (Lecture & Laboratory)

3 semesters; 7–15 students; 6–7 contact hours.

BIOL 691 — Evolution & Molecular Markers

2 semesters; 7-14 students, 3-4 contact hours.

BIOL 692 — Graduate Seminar: Molecular Markers in Systematics

1 semester; 4 students, 1 contact hour.

BIOL 692 — Graduate Seminar: Phylogenetic Analysis

1 semester; 7 students, 1 contact hour.

LFSC 591 — Botany Workshop for Teachers

3 summer semesters; 5–17 students.

BI 401 — Systematics (Graduate level), University of the South Pacific

1 semester; 7 students, 2 contact hours.

Other Course Involvement:

INSC 301—Integrated Math and Science, Fall 2003

BIOL 300—Experimental Methods: developed three lab topics and corresponding lectures. Fall and Spring semesters, 1997–2006.

BIOL 522—Evolution & Speciation: guest lecturer, Fall 1998, 1999, 2003, 2005.

BIOL 111—Honors Biology: guest lecturer, Fall 1998

STUDENT MENTORING:

Undergraduate Advising: 30–74 biology majors per annum

Undergraduate Student Researchers [14 students]: Karen Gau; Kathryn Rubis; Morgan Gostel; Charles Santos; Afua Ossei-Agyeman-Yeboah; Casey Seelig; Brenna Preston; Tam Vu; David Busselberg; Paola Moncada; Maria Kunk; Jason Noel; Samuel Nokuri; Michele K. Burke.

Graduate Thesis Advisor [2 Ph.D. students, 8 M.S. students]:

Morgan Gostel (M.S. student), to graduate May 2010.

Pedro Fiaschi (Ph.D. candidate), to graduate December 2009.

Antoine Nicolas (Ph.D.), graduated May 2009.

Manish Patel (M.S.), graduated December 2008.

Taylor S. Sprenkle (M.S.), graduated December 2002.

Stephen Pinney (M.S.), graduated December 2002.

Gary M. Jones (M.S.), graduated May 2002.

Ninh V. Vu (M.S.), graduated August 2001.

Jill D. Reid (M.S.), graduated December 2001.

Jonathan M. Eibl (M.S.), graduated, August 2000.

Graduate Thesis Committees [25 M.S. students, 6 Ph.D. students]: Aida Shafreena Ahmad Puad (Ph.D., Western Michigan Univ.); Ryan Woodcock (Ph.D., May 2010), Stephen Baker (M.S., May 2009), Vicki Gardiakos (M.S., December 2008), Cora Runnels (M.S., December 2008), Jaclyn Vick (M.S., May 2007), Alexander Tulchinski, (M.S., Dec. 2006), Brian Walker (Ph.D., Chemistry, May 2006), Jay Pierotti (Ph.D., Chemistry, May 2005), Deborah Thiem (Ph.D., Chemistry, May 2004), Sloan Ayers (Ph.D., Chemistry, May 2003), Antoine N. Nicholas (M.S., May 2003), David Taylor (M.S., May 2003), Jessica White (M.S., May 2003), Peter Clarke (M.S., May 2003), Katherine Jensen (M.S., May 2003), William Brooks (M.S., May 2003), Leslie Newman (M.S., May 2003), Katherine Tran (M.S., May 2003), Ann Meyer (M.S., Psychology, May 2001), Maria Mood (M.S., May 2001), Christine Craig (M.S., May 2001), Gregory Nishanian (M.S., December 1999), Aaron Quinn (M.S., December 1998), Dorothy Field (M.S., December 1998), Karen Neal (M.S., December 1998), Charlene Couch (M.S., August 1998), Dean Franklin (M.S., August 1998), Harland Patch (M.S., August 1998), Hugh Sullivan (M.S., August 1998), William Dietrich (M.S., August 1998).

Post-doctoral Advisor:

Gregory T. Chandler, 2001– 2003.

Pre-doctoral Trainee:

Frédéric Tronchet (Muséum National d'Histoire Naturelle, Paris), 2002-2005.

FIELD EXPERIENCE:

U.S.A. (Virginia, Pacific Northwest, Southwest, Hawai'i, and Puerto Rico).
Mexico (Oaxaca, Guerrero, Puebla, Morelos, and Mexico states).
New Caledonia (French Overseas Territory in South Pacific).
Australia (Far North Queensland, New South Wales, and ACT).
Fiji Islands (Viti Levu, Vanua Levu, Taveuni, Koro Is., Nananu-i-Ra, Nananu-i-Cake).
Vanuatu (Aneityum, Efaté, Erromango, Espiritu Santo, and Tanna islands)
Solomon Islands (Guadalcanal, Ghizo, and Kolombangara islands)
Samoa ('Upolu and Savai'i)
New Zealand (North Island)
China (Yunnan Province)
Viet Nam (Ha Giang, Lao Cai, Tuyen Quang, Vinh Phuc, Thai Nguyen, and Lai Chau provinces)
Bornean Malaysia (Sarawak state)
France (Alsace, Alps, Provence)
South Africa (Western Cape and Northwest provinces)
Madagascar
Brazil (Amazonas state)
Venezuela (Bolivar state)
Argentina (Provinces of Jujuy, Salta, Tumamán, La Rioja, San Juan, Mendoza, Neuquen, Río Negro, and Chubut)
Chile (Regions of III-Atacama, IV-Coquimbo, V-Valparaiso, RM-Metropolitana de Santiago, IX-La Araucania, XIV-Los Rios, and XII-Magallanes)
Russian Federation (Caucasus region of southwestern Russia)