

R é s u m é

Robbin Craig Moran

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Education

Ph.D. in Botany, The University of Illinois at Urbana-Champaign, May 1986
M.S. in Botany, Southern Illinois University at Carbondale, May 1980.
B.S. in Biology, Beloit College, Beloit, Wisconsin, April 1978.

Goals

To participate in a stimulating academic environment, to teach graduate courses, and to do original, critical research in botany.

Current Research Projects

Imaging and data-basing all fern and lycophyte collections at NY. NSF-funded.
Preparing *The Genera of American Ferns and Lycophtyes, a Guide for Students*.
Systematic studies of *Elaphoglossum* (Dryopteridaceae).

Research Experience

Published four books and over 170 scientific papers on ferns.
Named over 115 new species of ferns.
Organized and edited the Pteridophyte volume for *Flora Mesoamericana*, the largest fern flora ever written (treating nearly 1400 species). Wrote 65% of generic treatments.
Monographed 12 neotropical fern clades: *Asplenium* sect. *Hymenaspplenium* (10 spp.), *Callipteris* (15), *Lomariopsis* (15), *Megalastrum* (90), *Mickelia* (10), *Polybotrya* (35), *Stigmatopteris* (23), and *Triplophyllum* (9), *Polystichopsis* (7); *Elaphoglossum* sect. *Squamipedia* (17 spp.); *Elaphoglossum* subsect. *Apoda* (14 spp.).
Compiled the *Annual Review of Pteridological Research*, 1989–1994.
Served as Associate Editor of the *American Fern Journal* since 1991 and *Brittonia* since 1998.
Carried out extensive fieldwork in Latin America, especially Costa Rica.

Teaching Experience

Organization for Tropical Studies, *Tropical Plant Systematics* (6 weeks) Costa Rica, 1998–2019 (odd years taught in Spanish)
Organization for Tropical Studies, *Tropical Ferns & Lycophtyes* (2 weeks) Costa Rica, 2008, 2013, 2015, 2017, 2019.
Eagle Hill Biological Station, Maine, *Biology of Ferns and Lycophtyes* (one week), 2005–2019
City University of New York, *Pteridology*, in 1999, 2004, 2012 (one semester)

Associate Professor, University of Arkansas at Little Rock. Courses taught: Plant Geography, Plant Taxonomy, Botany, and Biology.

Assistant Professor (Gæstlektor), Aarhus University, Aarhus, Denmark, from 1993 to 1996. Courses taught: Tropical Ecology, Plant Geography, Scientific Writing and Speaking, Pteridology.

Guest lecturer for one- to two-week pteridology courses in Latin America: Ecuador (QCA, 2012), Venezuela (National Herbarium, March 2000), Bolivia (Univ. of La Paz, July 1994), Costa Rica (INBio, February and April 1992), Ecuador (Herbario Nacional, February 1991). Wrote a bilingual lab manual to teach the course with.

Graduate Teaching Assistant, Southern Illinois University at Carbondale and The University of Illinois at Urbana-Champaign. 1978–1986. Courses taught: Introductory Botany, Introductory Biology, Plant Taxonomy, and Local Flora.

Graduate Students Advised

External Thesis advisor for Thereis Choo, Cornell University, "Systematics of Dipteridaceae" [graduated 2017]

Thesis advisor for Fernando Matos, City University of New York, "Systematics of *Elaphoglossum* section *Polytrichia* (Dryopteridaceae)" [graduated 2015]

Thesis advisor for Alejandra Vasco, City University of New York, "Systematics of *Elaphoglossum* subsection *Muscosa* (Dryopteridaceae)" [graduated 2010]

Thesis Advisor for Michael Sundue, City University of New York, "Systematics of *Terpsichore taxifolia* group (Polypodiaceae)" [graduated 2009]

External Thesis Advisor for Germinal Rouhan, Univ. of Paris, France, "Phylogeny of the fern genus *Elaphoglossum* (Elaphoglossaceae)" [graduated 2005]

External Advisor, Ph.D. dissertation for Leticia Pacheco M. (1997), Universidad Nacional Autónoma Metropolitana - Iztapalapa, México. "Monografía del género neotropical *Callipteris* (Woodsiaceae; Pteridophyta)."

External Advisor for Paulo Labiak, Univ. de São Paulo, Brazil, "Grammitidaceae of Brazil." 1999.

Advisor, M.S. thesis for Else Østergaard Andersen, Aarhus University. 1995. Gleicheniaceae of Ecuador.

Grants

2018. Thematic Collections Network. Digitization and imaging of ferns and lycophytes. NSF-funded. \$354,805 (three years, August 1, 2018 and ends July 31, 2021).

2011. The Christopher Reynolds Foundation, Inc. To bring Cuban fern student Josmaily Loriga to NY for research and training. \$15,000 (four months)

2011. National Science Foundation. Research Experience for Undergraduates. \$7,500 (three months, summer)

2010–2013. National Science Foundation. Taxonomic Revision, Phylogenetic Analysis, and Leaf Evolution in *Elaphoglossum* sect. *Squamipedia* (Dryopteridaceae). \$333,000 (three years).

2007–2009. National Science Foundation. Monographic Revision and Phylogeny of the Fern Genus *Megalastrum* (Dryopteridaceae). \$320,000 (two years).

2002–2005. National Science Foundation. Phylogeny and Biogeography of the Fern Genus *Elaphoglossum* (Elaphoglossaceae). \$263,387 (three years).

- 1995–1996. Danish Centre for Tropical Biodiversity, for fieldwork on fern ecology in western Amazonia, \$20,000.
- 1991–1992. National Geographic Society, Field Research Grant, for plant collecting in Taiwan, \$27,000.
- 1983–1985. NSF Doctoral Dissertation Improvement Grant, for fieldwork in Costa Rica, Panama, Venezuela, Ecuador, and Peru, \$8,200
1981. Tinker Foundation Grant, for fieldwork in Costa Rica on doctoral dissertation, \$800.

Awards

2011. Peter Raven Award, American Society of Plant Taxonomists (see J. S. Miller & A. Vasco, *Systematic Botany* 37: 5–6. 2012.).
2005. Silver Award for Best Writing, Garden Writers Association, 2005.

Society Memberships

- American Fern Society
American Society of Plant Taxonomists (life member)

Other

- 2010-present Trustee, Eagle Hill Institute and Eagle Hill Foundation, Stueben, Maine

Employment History

- 2020–present Curator Emeritus
- 2001–2020 Nathaniel Lord Britton Curator of Botany, The New York Botanical Garden
- 1998–2001 Associate Curator, The New York Botanical Garden
- 1996–1997 Associate Professor, Biology Dept., Univ. of Arkansas at Little Rock
- 1993–1996 Assistant Professor (Gaestlektor), Department of Systematic Botany, Aarhus University, Denmark
- 1987–1993 Assistant Curator, Missouri Botanical Garden, St. Louis.
- 1981 Field Botanist, Illinois Natural History Survey.
- 1978–1980 Field Botanist, Wisconsin Department of Natural Resources, Scientific Areas Section. (summers)
- 1976–1977 Field Botanist, Illinois Natural Areas Inventory. (summers)

Field Experience in the Tropics

- 1981 Costa Rica (6 weeks)
- 1982 Costa Rica, Panama (6 weeks)
- 1984 Ecuador (5 weeks); Peru (4 weeks); Venezuela (3 weeks)
- 1987 Panama (4 weeks); Mexico (2 weeks)
- 1988 Panama (4 weeks); Costa Rica (3 weeks)
- 1990 Panama (4 weeks)
- 1991 Ecuador (4 weeks); Taiwan (4 weeks); Honduras (4 weeks)
- 1992 Costa Rica (3 weeks); Taiwan (3 weeks); Costa Rica (3 weeks)
- 1994 Bolivia (4 weeks)
- 1995 Thailand (4 weeks)
- 1996 Ecuador (4 weeks)

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| 1998 | Costa Rica (8 weeks) |
| 2000 | Mexico (3 weeks); Venezuela (4 weeks); Costa Rica (8 weeks). |
| 2001 | Costa Rica (10 weeks) |
| 2002 | Costa Rica (10 weeks) |
| 2003 | Costa Rica (10 weeks) |
| 2004 | Ecuador (5 weeks); Costa Rica (6 weeks) |
| 2005 | Ecuador (5 weeks); Costa Rica (2 weeks) |
| 2006–13 | Costa Rica (6 weeks) |
| 2011 | Ecuador (3 weeks); Costa Rica (6 weeks) |
| 2015 | Costa Rica (3 weeks) |
| 2016 | Costa Rica (6 weeks); Mexico (2 weeks) |
| 2017 | Costa Rica (6 weeks) |
| 2018 | Costa Rica (3 weeks) |
| 2019 | Costa Rica (6 weeks) |

Special Skills

Fluent in Spanish

Botanical Latin

Write popular articles about plants

Publications

Books:

- Moran, R. C. & R. Riba, editors for Pteridophytes. 1995. Flora Mesoamericana. Volumen 1. Pteridofitas, Psilotaceae a Salviniaceae, Univ. Nacional Autónoma de México, Ciudad Universitaria. 470 pp. [In Spanish]
- Tryon, A. F. & R. C. Moran 1997. The Ferns and Allied Plants of New England. Massachusetts Audubon Society, Lincoln, Massachusetts. 325 pp.
- Hoshizaki, B. J. & R. C. Moran. 2001. Fern Grower's Manual. Timber Press. 604 pp. [Awarded "Outstanding Academic Title of 2001" by Choice magazine]
- Moran, R. C. 2004. A Natural History of Ferns. Timber Press, Portland, Oregon. 301 pp. [Awarded "Best Writing 2005" by Garden Writer's Association]

Six Most Significant Publications:

- Labiak, P. H. & R. C. Moran. 2018. Phylogeny of *Campyloneurum* (Polypodiaceae). International Journal of Plant Sciences 179(1): 36–49.
- Moran, R. C., J. Garrison Hanks & P. H. Labiak. 2018. Evolution of spore morphology in the Blechnaceae. International Journal of Plant Sciences 179(9): 712–729.
- Moran, R. C. 2008. Biogeography of ferns and lycophytes. Pages 369–396. In: C. Haufler & T. A. Ranker, editors. The Biology and Evolution of Ferns and Lycophytes. Cambridge University Press.
- Moran, R. C., S. Klimas, and M. Carlsen. 2003. Low-trunk epiphytic ferns on tree ferns versus angiosperms in Costa Rica. Biotropica 35: 48–56.

- Moran, R. C. & A. R. Smith. 2001. Phytogeographic relationships between neotropical and African-Madagascan pteridophytes. *Brittonia* 53: 304–351.
- Moran, R. C. 1995. The importance of mountains to pteridophytes, with emphasis on neotropical montane forests. Pages 359–363. In: S. P. Churchill, H. Balslev, E. Forero, J. L. Luteyn, editors. *Biodiversity and Conservation of Neotropical Montane Forests*, New York Bot. Gard., Bronx.

List of all Publications:

- Moran, R. C. 1978. Presettlement vegetation of Lake County, Illinois. Pages 12–18. In: R. Q. Landers & D. C. Glenn-Lewin, editors. *Proceedings of the 5th Midwest Prairie Conference*, Ames, Iowa.
- Bushey, C. L. and R. C. Moran. 1978. Vascular flora of Shaw Prairie, Lake County, Illinois. *Transactions of the Illinois State Academy of Science* 71: 427–435.
- Moran, R. C. 1978. Vascular flora of the ravines along Lake Michigan in Lake County, Illinois. *Michigan Botanist* 17: 120–140.
- Moran, R. C. 1980. Lake Michigan's ravines along Chicago's north shore. *Field Museum Bulletin* 51(5): 8–11.
- Moran, R. C. 1981. Prairie fens in northeastern Illinois: floristic composition and disturbance. In: Stuckey, R. L., and K. J. Reese, eds. *The Prairie Peninsula--in the "shadow" of Transeau: Proceedings of the Sixth North American Prairie Conference*, The Ohio State University, Columbus, Ohio, Ohio Biol. Surv. Notes. No. 15, pp. 164–168.
- Moran, R. C. 1981. *Thelypteris simulata* (Davenp.) Nieuwl. - a major range extension in the southern Appalachians. *American Fern Journal* 71: 21.
- Moran, R. C. 1981. \times *Aspleniosorus shawneensis*, a new natural fern hybrid between *Asplenium trichomanes* and *Camptosorus rhizophyllus*. *American Fern Journal* 71: 85–89.
- Moran, R. C. 1982. *Cystopteris* \times *illinoensis*: a new natural hybrid fern. *American Fern Journal* 72: 41–44.
- Moran, R. C. 1982. *Cystopteris tennesseensis* in Illinois. *American Fern Journal* 72: 93–95.
- Moran, R. C. 1982. *Cystopteris* \times *tennesseeensis* Shaver: A new Virginia state record with an interesting range disjunction. *Jeffersonia* 13: 30–34.
- Moran, R. C. 1982. The *Asplenium trichomanes* complex in the United States and adjacent Canada. *American Fern Journal* 72: 5–11.
- Moran, R. C. 1983. *Cystopteris tenuis* (Michx.) Desv.: a poorly understood species. *Castanea* 48: 218–223.
- Moran, R. C. 1983. *Cystopteris* \times *wagneri*: a new naturally occurring hybrid between *C. tennesseensis* and *C. tenuis*. *Castanea* 48: 224–229.
- Moran, R. C. 1983. *Equisetum* \times *ferrissii* in Illinois. *Castanea* 48: 79–82.
- Moran, R. C. 1983. Two new species of *Ctenitis* (Dryopteridaceae) from Costa Rica. *Brenesia* 21: 449–453.
- Moran, R. C. 1985. Ryerson woods: a fire protected forest. *Ryerson Almanac*. 3(4): 1–2.
- Moran, R. C. 1986. Polybotria...un género extraordinario de helechos trepadores. *Natura* (Caracas, Venez.) 76: 33–36.

- Moran, R. C. 1986. The neotropical fern genus *Olfersia*. American Fern Journal 76: 161–178.
- Smith, A. R. & R. C. Moran. 1986. New combinations in *Megalastrum* (Dryopteridaceae). American Fern Journal 77: 124–130.
- Moran, R. C. 1987. Monograph of the neotropical fern genus *Polybotrya* (Dryopteridaceae). Illinois Natural History Survey Bulletin 34: 1–138.
- Moran, R. C. 1987. *Olfersia* and *Polybotrya*. In: Smith, A. R. Checklist of Venezuelan Pteridophytes. Univ. of California, Berkeley.
- Moran, R. C. 1987. Sterile-fertile leaf dimorphy and evolution of soral types in *Polybotrya* (Dryopteridaceae). Systematic Botany 12: 617–628.
- Wagner, Jr., W. H., J. M. Beitel, & R. C. Moran. 1989. *Lycopodium hickeyi*: a new species of North American clubmoss. American Fern Journal 79: 119–121.
- Yatskievych, G. & R. C. Moran. 1989. Primary divergence and species concepts in ferns. American Fern Journal 79: 36–45.
- Moran, R. C. 1990. Two new species of *Cnemidaria* (Cyatheaceae) from Panama. Annals of the Missouri Botanical Garden 77: 246–248.
- Moran, R. C. 1990. Three new species of ferns from Mesoamerica. Ann. Missouri Bot. Gard. 77: 591–593.
- Moran, R. C. 1990. A new species of *Polypodium* (Polypodiaceae) and two new species of *Hypolepis* (Dennstaedtiaceae) from Mesoamerica. Annals of the Missouri Botanical Garden 77: 845–850.
- Moran, R. C. 1990. *Olfersia, Polybotrya, and Stigmatopteris*. Pp. 117–119. In: Kramer, K., editor for pteridophytes, Plant Families and Genera of the World. Academic Press.
- Moran, R. C. 1991. *Olfersia, Polybotrya, and Stigmatopteris*. Pp. 42–47, 57–65. In: R. M. Tryon & R. G. Stolze, Pteridophyta of Peru, Fieldiana, Botany, new series, no. 27.
- Smith, A. R., R. C. Moran & L. E. Bishop 1991. *Lellingeria*, a new genus of Grammitidaceae. American Fern Journal 81: 76–88.
- Moran, R. C. 1991. Monograph of the Neotropical fern genus *Stigmatopteris* (Dryopteridaceae). Annals of the Missouri Botanical Garden 78: 857–914.
- Moran, R. C. 1991. Eight new species of tree ferns (*Cyathea*, Cyatheaceae) from the American tropics and three new combinations. Novon 1: 88–104.
- Moran, R. C. 1992. Five new species of ferns from the American tropics. Novon 2: 132–138.
- Smith, A. R. & R. C. Moran 1992. *Melpomene*, a new genus of Grammitidaceae. Novon 2: 426–432.
- Murakami, N. & R. C. Moran. 1993. Monograph of the neotropical species of *Asplenium* sect. *Hymenasplenium* (Aspleniaceae). Annals of the Missouri Botanical Garden 80: 1–38.
- Moran, R. C. 1993. *Ctenitis, Lomariopsis, Maxonia, Tectaria*; (with C. Haufler) *Cystopteris*; (with W. H. Wagner & C. Werth) *Asplenium*. In: N. Morin, editor. Flora of North America. Volume 2, Pteridophytes and Gymnosperms. Oxford Univ. Press: New York.
- Moran, R. C. 1993. *Olfersia, Polybotrya, and Stigmatopteris*. In: A. R. A. Görts-van Rijn (editor) The Flora of the Guianas, Series B: Ferns and Fern allies. Fascicle 6. Dryopteridaceae.

- Moran, R. C. & R. Riba, editors for Pteridophytes. 1995. Flora Mesoamericana. Volumen 1. Pteridofitas, Psilotaceae a Salviniaceae, Univ. Nacional Autónoma de México, Ciudad Universitaria. 470 pp. [In Spanish]
- Moran, R. C. 1995. Five new species and two new combinations of ferns (Polypodiopsida) from Ecuador. Nordic Journal of Botany 14: 49–58.
- Moran, R. C. & B. Øllgaard. 1995. Six new species of ferns (Polypodiopsida) from Ecuador. Nordic Journal of Botany 15: 177–185.
- Moran, R. C. 1995. *Olfersia*, *Polybotrya*, and *Stigmatopteris*. In: A. R. Smith, Flora of the Venezuelan Guayana, vol. 2, Pteridophytes, Spermatophytes: Acanthaceae—Araceae. J. A. Steyermark, P. E. Berry & B. K. Holst, general editors. Timber Press, Portland.
- Moran, R. C. 1995. The importance of mountains to pteridophytes, with emphasis on neotropical montane forests. Pp. 359–363. In: S. P. Churchill et al., editors. Biodiversity and Conservation of Neotropical Montane Forests. New York Bot. Gard.
- Moran, R. C. 1996. The importance of the Andes as a barrier to migration, as illustrated by the pteridophytes of the Chocó phytogeographic region. Page 75. In: J. M. Camus & R. J. Johns, editors. Pteridology in Perspective. Royal Botanic Gardens, Kew.
- Tryon, A. F. & R. C. Moran 1997. The Ferns and Allied Plants of New England. Massachusetts Audubon Society, Lincoln, Massachusetts. 325 pp.
- León, B. & R. C. Moran. 1997. *Cyathea concordia* (Cyatheaceae), a new pinnate-pinnatifid tree fern the Peruvian/Ecuadorian border. Brittonia 48: 511–513.
- Tuomisto, H., A. D. Poulsen, & R. C. Moran. 1998. Edaphic distribution of some species of the fern genus *Adiantum* in western Amazonia. Biotropica 30: 392–399.
- Moran, R. C. & B. Øllgaard. 1998. New species of ferns (Polypodiopsida) from Ecuador. Nordic Journal of Botany 18: 431–439.
- Pacheco, L. & R. C. Moran. 1999. Monograph of the neotropical species of *Callipteris* with anastomosing veins (Woodsiaceae). Brittonia 51(3): 343–388.
- Moran, R. C. & A. R. Smith. 2000. *Salvinia adnata* Desv. versus *S. molesta* D. S. Mitch. American Fern Journal 89: 268–269.
- Moran, R. C. 2000. Monograph of the neotropical species of *Lomariopsis* (Lomariopsidaceae). Brittonia 52: 55–111.
- Moran, R. C. 2000. *Trichomanes resinosum* (Hymenophyllaceae), a new species from southern Venezuela and adjacent Guyana. Brittonia 52: 238–240.
- Hoshizaki, B. J. & R. C. Moran. 2001. Fern Grower's Manual. Timber Press. 604 pp. [Awarded "Outstanding Academic Title of 2001" by Choice magazine]
- Tuomisto, H. & R. C. Moran. 2001. Marattiaceae. Flora of Ecuador 66: 23–68.
- Moran, R. C. 2001. Introduction: Papers from the Pteridophyte Biogeography Symposium, International Botanical Congress. Brittonia 53: 171–172.
- Moran, R. C. & A. R. Smith. 2001. Phytogeographic relationships between neotropical and African-Madagascan pteridophytes. Brittonia 53: 304–351.
- Moran, R. C. 2001. Estimates of the number of mounted pteridophyte specimens in six major herbaria in the United States. Brittonia 53: 435–436.
- Moran, R. C. & J. E. Watkins, Jr. 2002. The occurrence and morphology of *Adiantum × variopinnatum* (Pteridaceae). Brittonia 54: 57–60.
- Tuomisto, H., K. Rukoleinen, A. D. Poulsen, R. C. Moran, C. Quintana, G. Cañas & J. Celi. 2002. Distribution of pteridophytes and Melastomataceae along edaphic

- gradients in Yasuni National Park, Ecuadorian Amazonia. *Biotropica* 34: 516–533.
- Moran, R. C., S. Klimas & M. Carlsen. 2003. Low-trunk epiphytic ferns on tree ferns versus angiosperms in Costa Rica. *Biotropica* 35: 48–56.
- Tuomisto, H., K. Rukoleinen, A. D. Poulsen, R. C. Moran, C. Quintana, G. Cañas & J. Celi. 2003. Linking floristic patterns with soil heterogeneity and satellite imagery in Ecuadorian Amazonia. *Ecological Applications* 13: 352–371.
- Pacheco M., L. & R. C. Moran. 2003. Lectotypification of several names currently placed in *Diplazium* (Woodsiaceae). *American Fern Journal* 93: 90–92.
- Bowles, M., M. Jones, C. Dunn, J. McBride, C. Bushey & R. C. Moran. 2003. Twenty-year woody vegetation changes in northern flatwoods and mesic forest at Ryerson Conservation Area, Lake County, Illinois. *Erigenia* 19: 31–51.
- Moran, R. C. 2004. A Natural History of Ferns. Timber Press, Portland, Oregon. 301 pp. [Awarded “Best Writing 2005” by Garden Writer’s Association]
- Moran, R. C. & M. Sundue. 2004. *Asplenium* (sect. *Hymenaspplenium*) *bassiscopicum*, a new species from Bolivia. *Brittonia* 56: 124–127.
- Moran, R. C. & J. E. Watkins. 2004. *Lomariopsis × farrarii*, a new hybrid from Costa Rica between *L. japurensis* and *L. vestita* (Lomariopsidaceae). *Brittonia* 56: 205–209.
- Moran, R. C. & J. T. Mickel. 2004. Three new neotropical species of *Elaphoglossum* (Elaphoglossaceae) with subulate scales. *Brittonia* 56: 200–204.
- Moran, R. C. & R. V. Russell. 2004. The occurrence of *Trichomanes godmanii* (Hymenophyllaceae) on *Welfia georgii* (Arecaceae) at the La Selva Biological Station, Costa Rica. *American Fern Journal* 94: 70–76.
- Moran, R. C. 2004. Dispatches from the fern frontier. Natural History. October issue, pages 52–57.
- Rouhan, G., J.-Y. Dubuisson, F. Rakotondrainibe, T. J. Motley, J. T. Mickel, J.-N. Labat & R. C. Moran. 2004. Molecular phylogeny of the fern genus *Elaphoglossum* (Elaphoglossaceae) based on chloroplast non-coding DNA sequences: contributions of species from the Indian Ocean Area. *Molecular Phylogenetics & Evolution* 33: 745–763.
- Skog, J. E., T. Mickel, R. C. Moran, M. Volovsek & E. A. Zimmer. 2004. Molecular studies of the New World species in the fern genus *Elaphoglossum* (Dryopteridaceae) based on chloroplast DNA sequences *rbcL*, *trnL*, *rps4* and *trnS*. *International Journal of Plant Science* 165: 1063–1075.
- Moran, R. C. & A. R. Smith. 2005. *Blechnum obtusum* (Blechnaceae), a new species from western Venezuela. *Brittonia* 57: 237–239.
- Ranker, T., G. Trapp, A. R. Smith, R. C. Moran & B. S. Parris. 2005. New Records of Lycophytes and Ferns from Moorea, French Polynesia. *American Fern Journal* 95: 126–127.
- Moran, R. C. 2005. Pteridofitas. Pp. 32–72. In: P. Slenář, J. L. Lutelyn, C. Ulloa Ulloa, P. M. Jørgensen & M. O. Dillon. Flora genérica de los páramos, guía ilustrada de las plantas vasculares. Memoirs of the New York Botanical Garden, vol. 92.
- Smith, A. R., L. León, H. Tuomisto, H. van der Werff, R. C. Moran, M. Lehnert & M. Kessler. 2005. New records of pteridophytes for the flora of Peru. *Sida* 21: 2321–2342.

- Watkins, J. E., Jr., C. Cardelús, R. K. Colwell & R. C. Moran. 2006. Species richness and distribution of ferns along an elevational gradient in Costa Rica. *American Journal of Botany* 93: 73—83.
- Little, D. P., R. C. Moran, E. D. Brenner & D. W. Stevenson. 2007. Nuclear genome size in *Selaginella*. *Genome* 50: 351–356.
- Rouhan, G., J. Garrison-Hanks, D. McClelland & R. C. Moran. 2007. Preliminary phylogenetic analysis of the fern genus *Lomariopsis* (Lomariopsidaceae). *Brittonia* 59: 115–128.
- Moran, R. C., J. Garrison Hanks & G. Rouhan. 2007. Spore morphology in relation to phylogeny in the fern genus *Elaphoglossum* (Dryopteridaceae). *International Journal of Plant Science* 168: 905–929.
- Rouhan, G., F. Rakotondrainibe & R. C. Moran. 2007. *Elaphoglossum nidusoides* (Dryopteridaceae), a new species of fern from Madagascar with an unusual phylogenetic position within the *Squamipedia* group. *Systematic Botany* 32: 227–235.
- Moran, R. C. 2008. Biogeography of ferns and lycophytes. Pp. 369–396. In: C. Haufler & T. A. Ranker, editors. *The Biology and Evolution of Ferns and Lycophytes*. Cambridge University Press.
- Moran, R. C. 2008. John T. Mickel—recipient of the 2007 Peter Raven Award. *Systematic Botany* 33: 5–6.
- Prado, J. & R. C. Moran. 2008. Revision of the neotropical species of *Triplophyllum* (Tectariaceae). *Brittonia* 60: 103–130.
- Rouhan, G., D. H. Lorence, T. J. Motley, J. G. Hanks & R. C. Moran. 2008. Systematic revision of *Elaphoglossum* (Dryopteridaceae) in French Polynesia, with description of three new species. *Botanical Journal of the Linnean Society* 158: 309–331.
- Moran, R. C., J. Prado, P. Labiak, J. Garrison Hanks & E. Schuettgelz. 2008. A “new” species of tree fern from southeastern Brazil: *Cyathea myriotricha* (Cyatheaceae). *Brittonia* 60: 362–370.
- Moran, R. C., J. Prado & P. Labiak. 2009. *Megalastrum* (Dryopteridaceae) in southeastern Brazil, Paraguay, and Uruguay. *American Fern Journal* 94: 1–44.
- Prado, J. & R. C. Moran. 2009. Checklist of the ferns and lycophytes of Acre state, Brazil. *Fern Gazette* 18: 230–263.
- Vasco, A., G. Rouhan & R. C. Moran. 2009. Circumscription and phylogeny of the *Elaphoglossum ciliatum* group (*E. sect. Lepidoglossa*, Dryopteridaceae) based on cpDNA sequences. *Taxon* 58: 825–834.
- Moran, R. C., J. Prado & P. Labiak. 2009. *Megalastrum* (Dryopteridaceae) in the West Indies. *Brittonia* 61: 273–292.
- Vasco, A., R. C. Moran & G. Rouhan. 2009. Monograph of the *Elaphoglossum ciliatum* group (Dryopteridaceae). *Brittonia* 61: 241–272.
- Li, F.-W., B. C. Tan, V. Buchbener, R. C. Moran, G. Rouhan, C.-N. Wang & D. Quandt. 2009. Identifying a mysterious fern gametophyte. *Plant Systematics and Evolution* 281: 77–86.
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[<http://sweetgum.nybg.org/megalastrum/index.php>] (with Dr. Alejandra Vasco)
- Key to Fern Genera of the Americas [www.plantsystematics.org], with over 13,200 images.

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Eponymous taxa

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- Lellingeria moranii* Labiak, Flora Neotropica Monograph 111: 68. 2013.
- Saccoloma moranii* A. Rojas, Brenesia 45-46: 45. 1996.
- Selaginella moraniana* Valdespino & López, Brittonia, 2019
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New taxa published

Families

Desmophlebiaceae Mynssen, Vasco, R. C. Moran, Sylvestre & Rouhan

Genera

Desmophlebium Mynssen, Vasco, R. C. Moran, Sylvestre & Rouhan
Ephemeropteris R. C. Moran & Sundue
Lellingeria A. R. Sm. & R. C. Moran
Lastreopsis subgen. *Rhopalotricha* Labiak, Sundue & R. C. Moran
Melpomene A. R. Sm. & R. C. Moran
Mickelia R. C. Moran, Labiak & Sundue

Sections

Sect. *Decurrentia* R. C. Moran & Labiak

Species

1Arachniodes squamulosa R. C. Moran & B. Øllg.
Asplenium basispicicum R. C. Moran & Sundue
Asplenium ortegae N. Murak. & R. C. Moran
Asplenium triquetrum N. Murak. & R. C. Moran

- Asplenium volubile* N. Murak. & R. C. Moran
Aspleniosorus ×shawneense R. C. Moran
Blechnum anthracinum R. C. Moran
Blechnum monomorphum R. C. Moran & B. Øllg.
Blechnum obtusum R. C. Moran
10*Bolbitis occidentalis* R. C. Moran
Bolbitis riparia R. C. Moran & B. Øllg.
Bolbitis simplex R. C. Moran
Callipteris andina L. Pacheco & R. C. Moran
Callipteris stolzei L. Pacheco & R. C. Moran
Callipteris ribae L. Pacheco & R. C. Moran
Campyloneurum atlanticum R. C. Moran & Labiak.
Campyloneurum atrosquamatum R. C. Moran, B. León & Labiak
Campyloneurum castaneum R. C. Moran & Labiak
Campyloneurum convexum R. C. Moran & Labiak.
20*Campyloneurum filiforme* R. C. Moran & Labiak
Campyloneurum jamaicense R. C. Moran & Labiak
Campyloneurum parvisquama R. C. Moran & Labiak
Campyloneurum pichinchae R. C. Moran & Labiak
Cyathea amazonica R. C. Moran
Cyathea halonata R. C. Moran & B. Øllg.
Cyathea hemiepiphytica R. C. Moran
Cyathea palaciosii R. C. Moran
Cyathea punctata R. C. Moran & B. Øllg.
Cyathea tortuosa R. C. Moran
30*Cyathea werffii* R. C. Moran
Cystopteris ×wagneri R. C. Moran
Elaphoglossum anthracinum A. Vasco, Mickel & R. C. Moran
Elaphoglossum atehortuae F. B. Matos & R. C. Moran
Elaphoglossum blepharis A. Vasco, Mickel & R. C. Moran
Elaphoglossum catenatum F.B.Matos & R.C.Moran
Elaphoglossum clathratum F. B. Matos & R. C. Moran
Elaphoglossum mickeliorum F. B. Matos & R. C. Moran
Elaphoglossum minutissimum R. C. Moran & Mickel
Elaphoglossum miocenicum Lóriga et al. [fossil]
40*Elaphoglossum rhomboideum* A. Vasco, Mickel & R. C. Moran
Elaphoglossum rosettum R. C. Moran & Mickel
Elaphoglossum semisubulatum R. C. Moran & Mickel
Hecistopteris pinnatifida R. C. Moran & B. Øllg.
Hymenophyllum hemidimorphum R. C. Moran & B. Øllg.
Hymenophyllum iwatsukii F. Herrera et al. [fossil]
Hypolepis trichobacilliformis R. C. Moran
Lellingeria hirsuta A. R. Sm. & R. C. Moran
Lellingeria laxifolia A. R. Sm. & R. C. Moran
Lellingeria pendulina A. R. Sm. & R. C. Moran
50*Lomariopsis ×farrarii* R. C. Moran & J. E. Watkins
Lycopodium hickeyi W. H. Wagner, Beitel & R. C. Moran

- Megalastrum albidum* R. C. Moran, J. Prado & Labiak
Megalastrum angustum R. C. Moran, J. Prado & Labiak
Megalastrum apicale R. C. Moran & J. Prado
Megalastrum brevipubens R. C. Moran, J. Prado & Labiak
Megalastrum clathratum R. C. Moran, J. Prado & Sundue
Megalastrum costipubens R. C. Moran & J. Prado
Megalastrum decompositum R. C. Moran, J. Prado & Sundue
Megalastrum fimbriatum R. C. Moran, J. Prado & Sundue
60 *Megalastrum fugaceum* R. C. Moran, J. Prado & Sundue
Megalastrum galapagense R. C. Moran, J. Prado & Sundue
Megalastrum glabrum R. C. Moran & J. Prado
Megalastrum gompholepis R. C. Moran & J. Prado
Megalastrum indusiatum R. C. Moran, J. Prado & Labiak
Megalastrum insigne R. C. Moran, J. Prado & Sundue
Megalastrum intermedium R. C. Moran & J. Prado
Megalastrum littorale R. C. Moran, J. Prado & Labiak
Megalastrum longiglandulosum R. C. Moran & J. Prado
Megalastrum masafuerae Sundue, Rouhan & R. C. Moran
70 *Megalastrum mexicanum* R. C. Moran & J. Prado
Megalastrum miscellum R. C. Moran, J. Prado & Sundue
Megalastrum nanum R. C. Moran, J. Prado & Sundue
Megalastrum nigromarginatum R. C. Moran, J. Prado & Sundue
Megalastrum obtusum R. C. Moran, J. Prado & Sundue
Megalastrum oellgaardii R. C. Moran, J. Prado & Sundue
Megalastrum oreophilum R. C. Moran, J. Prado & Sundue
Megalastrum organense R. C. Moran, J. Prado & Labiak
Megalastrum peregrinum Sundue, Rouhan & R. C. Moran
Megalastrum peruvianum R. C. Moran, J. Prado & Sundue
80 *Megalastrum polybotryoides* R. C. Moran, J. Prado & Sundue
Megalastrum praetermissum R. C. Moran, J. Prado & Sundue
Megalastrum pubirhachis R. C. Moran, J. Prado & Sundue
Megalastrum retrorsum R. C. Moran, J. Prado & Labiak
Megalastrum rhachisquamatum R. C. Moran, J. Prado & Sundue
Megalastrum sparsipilosum R. C. Moran & J. Prado
Megalastrum substrigosum R. C. Moran, J. Prado & Labiak
Megalastrum subtile R. C. Moran, J. Prado & Sundue
Megalastrum taafense Rouhan, Sundue & R. C. Moran
Megalastrum tepuiense R. C. Moran, J. Prado & Sundue
90 *Mickelia ×atrans* R. C. Moran, Labiak & Sundue
Mickelia furcata R. C. Moran, Labiak & Sundue
Mickelia pradoi R. C. Moran, Labiak & Sundue
Pleopeltis coenosora R. C. Moran
Polybotrya aequatoriana R. C. Moran
Polybotrya alata R. C. Moran
Polybotrya appressa R. C. Moran
Polybotrya gomezii R. C. Moran
Polybotrya hickeyi R. C. Moran

- Polybotrya latisquamosa* R. C. Moran
100 *Polybotrya puberulenta* R. C. Moran
Polybotrya sessilisora R. C. Moran
Polybotrya stolzei R. C. Moran
Polypodium fayorum R. C. Moran B. Øllg.
Polypodium latissimum R. C. Moran & B. Øllg.
Polystichopsis puberula Prado & R. C. Moran
Polystichopsis × sanchezii Prado & R. C. Moran
Saccoloma laxum R. C. Moran & B. Øllg.
Salpichlaena thalassica Grayum & R. C. Moran
Serpocaulon × rojasianum J. M. Chaves, R. C. Moran & F. Oviedo
110 *Tectaria acerifolia* R. C. Moran
Thyrsopteris cretacea C. X. Li & R. C. Moran [fossil]
Trichomanes paucisorum R. C. Moran & B. Øllg.
Trichomanes resinosum R. C. Moran
Triplophyllum boliviense J. Prado & R. C. Moran
Triplophyllum choocoense J. Prado & R. C. Moran
Triplophyllum glabrum J. Prado & R. C. Moran