MARIA ALEJANDRA GANDOLFO, PH.D.

406 Mann Library Building
L.H. Bailey Hortorium
Plant Biology Section
School of Integrative Plant Science
Cornell University
Work Phone: 607-255-3273
Cellphone: 607-280-8856
E-mail: mag4@cornell.edu or magandolfo@cornell.edu
http://bhort.bh.cornell.edu/histology/labeng.html

EMPLOYMENT

2023	Full Professor, L. H. Bailey Hortorium, Plant Biology Section, School of Integrative Plant Science, Cornell University- Field of Plant Biology.
2018- 2023	Associate Professor, L. H. Bailey Hortorium, Plant Biology Section, School of Integrative Plant Science, Cornell University- Field of Plant Biology.
2009-	Curator of the Cornell University Plant Anatomy Collection (CUPAC). Curator of the Cornell University Paleobotanical Collection (CUPC)
2007-	Director of the Plant Histology Unit, L. H. Bailey Hortorium, Plant Biology Section, School of Integrative Plant Science, Cornell University.
2004-2018	Senior Research Associate. L. H. Bailey Hortorium, Plant Biology Section, School of Integrative Plant Science, Cornell University.
1998-2004	Research Associate, L. H. Bailey Hortorium, Cornell University.
1994-1997	Postdoctoral Associate, L. H. Bailey Hortorium, Cornell University.
1993-1994	Visiting Fellow, L. H. Bailey Hortorium, Cornell University.
1990-1992	Lecturer, Universidad CAECE and Universidad de Buenos Aires, Buenos Aires, Argentina (Introductory Botany, Introductory Biology, Plant Systematics and Plant Anatomy).
1987-1992	Fellow of the National Council for Scientific and Technological Research (CONICET, Argentina).

AFFILIATIONS

2019-	Member of the Field of Geological Sciences, Earth and Atmospheric Sciences, Cornell University.
2018-	Member of the Field of Plant Biology, Cornell University
2014-	Adjunct Researcher, Museo Paleontológico Egidio Feruglio, Trelew, Chubut, Patagonia, Argentina.

EDUCATION

1994	Ph.D.	Universidad de Buenos Aires, Argentina.
1985	M.Sc.	Universidad CAECE, Buenos Aires, Argentina.
1983	B.A./B.S.	Universidad CAECE, Buenos Aires, Argentina.

AREAS OF EXPERTISE

Plant Evolution; Plant Structure and Anatomy; Angiosperm Origin and Diversification; Plant Evolution; Paleoenvironments and paleoclimate of Cretaceous and Tertiary floras of Patagonia, Antarctica, and the Southern Hemisphere; General Paleobotany and Palynology. Systematics of Patagonian modern floras.

PUBLICATIONS

108- Siegert, C., **M.A. Gandolfo,** and P. Wilf. *In review*. Early Eocene infructescences from Patagonia, Argentina expand the biogeography of Malvoideae (Malvaceae, the mallow family). *American Journal of Botany*.

107- De Benedetti, F., M.C. Zamaloa, and **M.A. Gandolfo**. 2023. Angiosperm pollen clumps from the Late Cretaceous of Patagonia, Argentina: New findings, further questions, and alternative explanations. *The Botanical Review*. https://doi.org/10.1007/s12229-023-09297-7

106- Poore, C; N.A. Jud, and **M.A. Gandolfo.** 2023. Fossil fruits from the early Paleocene of Patagonia, Argentina reveal west Gondwanan history of Icacinaceae. *Review of Palaeobotany and Palynology*. https://doi.org/10.1016/j.revpalbo.2023.104940

105- De Benedetti, F., M.C. Zamaloa, **M.A. Gandolfo**, and N.R. Cúneo. 2023. Pollen from the K–Pg boundary of the La Colonia Formation, Patagonia, Argentina. *Review of Palaeobotany and Palynology*. https://doi.org/10.1016/j.revpalbo.2023.104933

104- Andruchow-Colombo,A., G. Rossetto-Harris, T. Brodribb, **M.A. Gandolfo,** and P. Wilf. *In Press.* A new species of Acmopyle (Podocarpaceae) with preserved accessory transfusion tissue from the early Eocene of Argentinean Patagonia. *American Journal of Botany*.

103- Wilf, P.; A. Iglesias and **M.A. Gandolfo.** *2023.* The first Gondwanan Euphorbiaceae fossils reset the biogeographic history of the *Macaranga-Mallotus* clade. *American Journal of Botany.* DOI: 10.1002/ajb2.16169

102- Del Fueyo, G.M., M.C. Zamaloa, and **M.A. Gandolfo**. 2023. In memoriam: Sergio Archangelsky (1931 – 2022).The promoter of Argentine Paleobotany. *Review of Palaeobotany and Palynology 311: 104859*

101- Matel, T.P, **M.A. Gandolfo,** E. J. Hermsen, and Wilf, P. 2022. Cunoniaceae infructescences from the early Eocene Laguna del Hunco flora, Patagonia, Argentina. *American Journal of Botany* DOI: 10.1002/ajb2.1867.

100- Andruchow-Colombo, A, **M.A. Gandolfo**, I.H. Escapa, and N.R. Cúneo. 2022. New genus of Cupressaceae from the Upper Cretaceous of Patagonia (Argentina) fills a gap in the evolution of the ovuliferous complex in the family. *Journal of Systematics and Evolution*. /doi/epdf/10.1111/jse.12842

99 - Andruchow-Colombo, A, **M.A. Gandolfo**, N.R. Cúneo, and I.H. Escapa. 2022. *Ginkgoites villardeseoanii* sp. nov., a ginkgophyte with insect damage from the Late Cretaceous (Maastrichtian) Lefipán Formation (Chubut, Patagonia, Argentina). *Cretaceous Research*. DOI: 10.1016/j.cretres.2021.105124

98- Glos, R.A.E., S. Salzman, M. Calonje, A.P. Vovides, P.B. Tomlinson, **M.A. Gandolfo**, Ch. D. Specht. 2022. A phylogenetic and geographic analysis of leaflet anatomy in Zamia (Cycadales: Zamiaceae). *The Botanical Review*. DOI: 10.1007/s12229-021-09272-0.

97- Cúneo, N.R., A. Andruchow-Colombo, F. De Benedetti, and **M.A. Gandolfo**. 2021. Megafloras de las Formaciones La Colonia y Lefipán, Cretácico Superior de Chubut. *Relatorio XXI Congreso Geológico Argentino* (pp. 261–272). Puerto Madryn.

96- Wilf, P, S.L. Wing, H.W. Meyer, J.A. Rose, R. Saha, T.Serre, N.R.Cúneo, M.P. Donovan, D. M. Erwin, **M.A. Gandolfo**, E.González-Akre, F.Herrera, S. Hu, A. Iglesias, K.R. Johnson, T. S. Karim, X. Zou. 2021. An image dataset of cleared, x-rayed, and fossil leaves vetted to plant family for human and machine learning. *PhytoKeys*. DOI: 10.3897/phytokeys.187.72350.

95- De Benedetti, F., M.C. Zamaloa, **M.A. Gandolfo**, and N.R. Cúneo. 2021. The South American and Antarctic Peninsula fossil record of Salviniales and its implication for understanding their evolution and past distribution. *Review of Palaeobotany and Palynology* 295: 104521 (Invited Contribution). https://doi.org/10.1016/j.revpalbo.2021.104521

94- Palazzesi, L., S.F. Vizcaíno, V.D. Barreda, J.I. Cuitiño, C. del Río, F. Goin, M.S. González Estebenet, M.V. Guler, **M.A. Gandolfo**, R. Kay, A. Parras, M. Reguero, and M.C. Zamaloa. 2021. Reconstructing Cenozoic Patagonian biotas using multi-proxy fossil records. *Journal of South American Earth Sciences* 112: 103513. https://doi.org/10.1016/j.jsames.2021.103513

93- Clyde, W.C., M. Krause, F. De Benedetti, J. Ramezani, J., N.R. Cúneo, **M.A. Gandolfo**, P. Haber, C. Whelan, and T. Smith. 2021. New South American record of the Cretaceous-Paleogene boundary (La Colonia Formation, Patagonia, Argentina). *Cretaceous Research* 126: 104889. https://doi.org/10.1016/j.cretres.2021.104889

92- De Benedetti, F., M.C. Zamaloa, **M.A. Gandolfo**, and N.R. Cúneo. 2021. Water fern spores (Salviniales) from the Late Cretaceous of Patagonia, Argentina. *Review of Palaeobotany and Palynology* 209: 104428. https://doi.org/10.1016/j.revpalbo.2021.104428

91- **Gandolfo, M.A.** and M.C. Zamaloa. 2021. Southern high latitude plant-insect interactions from the Miocene of Tierra del Fuego, Argentina. *International Journal of Plant Sciences* 182: 523–532. (Invited contribution). https://doi.org/10.1086/714285

90- **Gandolfo, M.A.** and M.C. Zamaloa. 2021. Macroevolutionary changes in deep time: Examples from the Cretaceous/Paleogene plant record of Patagonia. *Journal of South American Earth Sciences* 110: 103250 (Invited contribution). https://doi.org/10.1016/j.jsames.2021.103250

89- Lai, Y., **M.A. Gandolfo**, W.L. Crepet, and K.C. Nixon. 2021. *Paleoaltingia* gen. nov., a new genus of Altingiaceae from the Late Cretaceous of New Jersey. *American Journal of Botany* 108: 1-11. https://doi.org/10.1002/ajb2.1618

88- Brea, M. A. Iglesias, P. Wilf, E. Moya, and **M.A. Gandolfo**. 2021. First South American record of *Winteroxylon*, Eocene of Laguna del Hunco (Chubut, Patagonia, Argentina): New link to Australasia and Malesia. *International Journal of Plant Science* 182: 185-197. https://doi.org/10.1086/712427.

87- Jud, N.A. and **M.A. Gandolfo**. 2021. Fossil evidence from South America for the diversification of Cunoniaceae by the earliest Palaeocene. *Annals of Botany* 127: 305-315. DOI: 10.1093/aob/mcaa154

86- Barreda, V.D., M.C. Zamaloa, **M.A. Gandolfo,** C. Jaramillo, and P. Wilf. 2020. Early Eocene spore-pollen assemblages from the Laguna del Hunco fossil-lake beds, Patagonia, Argentina. *International Journal of Plant Sciences* 181: 594-615. DOI: 10.1086/708386

85- Deanna, R., P Wilf, and **M.A. Gandolfo**. 2020. New physaloid fruit-fossil species from early Eocene South America. *American Journal of Botany* 107: 1749–1762.

84- De Benedetti, F., M.C. Zamaloa, **M.A. Gandolfo**, and N.R. Cúneo. 2020. Reinterpretation of *Paleoazolla* Archangelsky, Phipps, Taylor et Taylor a heterosporous water fern from the Late Cretaceous of Argentina. *American Journal of Botany* 107: 1054-1071 (Cover article).

83- Kvacek, J., C. Coiffard, **M.A. Gandolfo**, J. Legrand, M.A. Mendes, H. Nishida, S. Ge, and H Wang. 2020. When and why nature gained angiosperms. Chapter 5: 129-158, in E. Martinetto et al. (eds.): "*Nature through Time*", Springer Textbooks in Earth Sciences, Geography, and Environment.

82- Pujana, R.R., P. Wilf, and **M.A. Gandolfo**. 2020. Conifer wood assemblage dominated by Podocarpaceae, early Eocene of Laguna del Hunco, central Argentinean Patagonia. *PhytoKeys* 156: 81-102. DOI: 10.3897/phytokeys.156.54175.

81- Stiles, E., P. Wilf, A. Iglesias, **M.A. Gandolfo,** and N.R. Cúneo. 2020. Cretaceous-Paleogene plant extinction and recovery in Patagonia. *Paleobiology* 46: 445-469. https://doi.org/10.1017/pab.2020.45.

80- Zamaloa, M.C; **M.A. Gandolfo**, and K.C. Nixon. 2020. A 52 million years old Eucalyptus flower sheds more than pollen grains. *American Journal of Botany* 107: 1763-1771. doi:10.1002/ajb2.1569.

79- Hermsen, E.J., N.A Jud, F. De Benedetti, and **M.A. Gandolfo.** 2019. *Azolla* sporophytes and spores from the Late Cretaceous and Paleocene of Patagonia, Argentina. *International Journal of Plant Sciences* 180: 737-754.

78- Nunes, C., J. Bodnar, I.H. Escapa, **M.A. Gandolfo**, and N.R. Cúneo. 2019. A new cupressaceous wood from the Early Cretaceous of Central Patagonia reveals possible clonal growth habit. *Cretaceous Research* 99: 133-148. DOI: 10.1016/j.cretres.2019.02.013.

77- Walls, R.L., L. Cooper, J.L. Elser, **M. A. Gandolfo**, C. J. Mungall, B. Smith, D. W. Stevenson, and P. Jaiswal. 2019. The Plant Ontology facilitates Comparisons of Plant Development Stages Across Species. *Frontiers in Plant Science, section Bioinformatics and Computational Biology* 10: 1-17. DOI:10.3389/fpls.2019.00631)

76- Wilf, P; K.C. Nixon, **M.A. Gandolfo**, and N.R. Cúneo. 2019. Eocene Fagaceae from Patagonia and Gondwanan legacy in Asian rainforests. *Science* 362: 972-981.

75- Andruchow-Colombo, A., I.H. Escapa, N.R. Cúneo, and **M.A. Gandolfo.** 2018. *Araucaria lefipanensis*, a new species with dimorphic leaves from the Late Cretaceous of Patagonia, Argentina. *American Journal of Botany* 105: 1-21.

74- De Benedetti, F., M.C. Zamaloa, **M.A. Gandolfo**, and N.R. Cúneo. 2018. A new species of the freshwater fern *Azolla* from the Upper Cretaceous of Patagonia, Argentina. In *Transformative Paleobotany: Papers to Commemorate the Life and Legacy of Thomas N. Taylor*, Krings et al (eds.)- (Invited Contribution), 361-373.

73- **Gandolfo, M.A**., K.C. Nixon, W.L. Crepet, and D. A. Grimaldi. 2018. A Late Cretaceous Fagalean Inflorescence Preserved in Amber from New Jersey. *American Journal of Botany* 107:1-12. (Invited Contribution).

72- Givnish, T.J., A. Zuluaga, D. Spalink, M. Soto Gomez, V. Lam, J. Saarela, Ch. Sass, W. Iles, D. Lima, J. Leebens-Mack, J. Ch. Pires, W. Zomlefer, **M.A. Gandolfo**, J. Davis, D. Stevenson, C. dePamphilis, Ch. Specht, S. Graham, C. Barrett, and Cécile Ané. 2018. Monocot plastid phylogenomics, timeline, net rates of species diversification, the power of multi-gene analyses, and a functional model for the origin of monocots. *American Journal of Botany* 105: 1888-1910. .https://doi.org/10.1002/ajb2.1178.

71- Jud, N., **M.A. Gandolfo**, A. Iglesias, and P. Wilf. 2018. Elaborate flowers of Schizomerieae (Cunoniaceae) from the early Paleocene of Argentina. *Annals of Botany* 121: 431-442 https://doi.org/10.1093/aob/mcx173.

70- Jud, N.A. P. Wilf, A. Iglesias, and **M.A. Gandolfo**. 2018. The oldest evidence of Menispermaceae comes from the earliest Paleocene of Patagonia, Argentina. *American Journal of Botany* 105:1-16 DOI:10.1002/ajb2.1092.

69- Martinez, C., **M.A. Gandolfo**, and N.R. Cúneo. 2018. Angiosperm leaves and cuticles from the uppermost Cretaceous of Patagonia, biogeographic implications and atmospheric paleo-CO2 estimates. *Cretaceous Research* 89: 107-118. DOI: 10.1016/j.cretres.2018.03.015.

68- Nunes, C.I., R.R. Pujana, I.H. Escapa, **M.A. Gandolfo**, and N.R. Cúneo. 2018. A new species of *Carlquistoxylon* from the Early Cretaceous of Patagonia (Chubut Province, Argentina): the oldest record of angiosperm wood from South America. *IAWA* 39: 406-426. DOI 10.1163/22941932-20170206

67- **Gandolfo, M.A**. and E.J. Hermsen. 2017. *Ceratopetalum* (Cunoniaceae) fruits of Australasian affinity from the early Eocene Laguna del Hunco flora, Patagonia, Argentina. *Annals of Botany* 119: 507-516. DOI:10.1093/aob/mcw283.

66- Jud, N.A., **M.A. Gandolfo**, P Wilf, and A. Iglesias. 2017. Flowering after disaster: early Danian buckthorn (Rhamnaceae) flowers and leaves from Patagonia. *PLoS One* https://doi.org/10.1371/journal.pone.0176164.

65- Wilf, P. M.R. Carvalho, **M.A. Gandolfo**, and N.R. Cúneo. 2017. Eocene lantern fruits from Gondwanan Patagonia and the early origins of Solanaceae. *Science* 355:71-75.

64- Wilf, P., M.P. Donovan, N.R Cúneo, and **M.A. Gandolfo**. 2017. The fossil flip-leaves (*Retrophyllum*, Podocarpaceae) of southern South America. *American Journal of Botany* 104:1344-1369.

63- Escapa, I. H., **M.A. Gandolfo**, K.C. Nixon and W.L. Crepet. 2016. A new species of Athrotaxites (Athrotaxoideae, Cupressaceae) from the Upper Cretaceous Raritan Formation, New Jersey, USA. *Canadian Journal of Botany* 94: 831-845.

62- Hermsen, E.J. and **M.A. Gandolfo**. 2016. Fossil Fruits of Juglandaceae from the Eocene of South America: connecting the Paleogene floras of Patagonia and North America. *Systematic Botany* 41: 316-328.

61- Vento, B., **M.A. Gandolfo**, K.C. Nixon and M. Prámparo. 2016. Paleofloristic assemblage from the Paleogene Río Guillermo Formation, Argentina: preliminary results of phylogenetic relationships of

Nothofagus in South America. *Historical Biology- International Journal of Paleobiology*. DOI: 10.1080/08912963.2015.1136930.

60- Xing, Y., **M.A. Gandolfo**, R.E. Onstein, D.J. Cantrill, B. Jacobs, G. Jordan, D.E. lee, S. Popova, R. Srivastava, T. Su, S.V. Vikulin, A. Yabe, and H. P. Linder. 2016. Testing the biases in the rich Cenozoic angiosperm macrofossil record. *International Journal of Plant Sciences* 177: 371-388. DOI: 10.1086/685388.

59- Xing, Y., **M.A. Gandolfo**, and H. P. Linder. 2015. The Cenozoic biogeographical evolution of woody angiosperms inferred from fossil distributions. *Global Ecology and Biogeography* 24: 1290-1301. DOI: 10.1111/geb.12383.

58- Hertweck, K.L., M.S. Kinney, S.A. Stuart, O. Maurin, S. Mathews, M.W. Chase, **M.A. Gandolfo** and J. C. Pires. 2015. Phylogenetics, Divergence times, and diversification from three genomic partitions in monocots. *Botanical Journal of the Linnean Society* 178: 375-393. DOI: 10.1111/boj.12260

57- Iles, W.J.D., S.Y. Smith, **M.A. Gandolfo** and S.W. Graham. 2015. A review of monocot fossils suitable for molecular dating analyses. *Botanical Journal of the Linnean Society* 178: 346-374. DOI: 10.1111/boj.12233

56- Villar de Seoane, L.; N.R. Cúneo, I. Escapa, P.Wilf and **M.A. Gandolfo**. 2015. *Ginkgoites patagonica* (Berry) comb. nov. from the Eocene of Patagonia, last Ginkgoalean record ion South America. *International Journal of Plant Sciences* 176: 346-363. DOI: 10.1086/680221.

55- Gallego, J., **M.A. Gandolfo,** N.R. Cúneo and M.C. Zamaloa. 2014. Fossil Araceae from the Late Cretaceous of Patagonia, Argentina with implications on the origin of free-floating aquatic aroids. *Review of Palaeobotany and Palynology* 211: 78-86. DOI:10.1016/j.revpalbo.2014.08.017.

54- Cúneo, N.R., **M.A. Gandolfo,** M.C. Zamaloa and E.J. Hermsen. 2014. Late Cretaceous aquatic plant world in Patagonia, Argentina. *PLoS ONE* 9(8): e104749. doi:10. 1371/journal.pone.0104749

53- Puebla, G.G., M. Prámparo and **M.A. Gandolfo**. 2014. Aquatic ferns from the Upper Cretaceous Loncoche Formation, Mendoza, central-western, Argentina. *Plant Systematics and Evolution* 301:577-588. DOI 10.1007/s00606-014-1096-7.

52- **Gandolfo, M.A**., N.R. Cúneo and E.J. Hermsen. 2014. Preliminary report on the paleoflora of the La Colonia Formation (Upper Cretaceous), Chubut, Patagonia, Argentina. *Revista Mexicana de Geología* 66: 11-23 (Invited contribution).

51- Hermsen, E.J., **M.A. Gandolfo** and N. R. Cúneo. 2014. New fossil Marsileaceae from the Cañadón de Irupé locality, Upper Cretaceous La Colonia Formation, Patagonia, Argentina. *Plant Systematics and Evolution* 300: 369-386.

50- Walls, R. L.; Deck, J.; Guralnick, R.; Baskauf, S.; Beaman, R.; Blum, S.; Bowers, S.; Buttigieg, P. L.; Davies, N.; Endresen, G.; **Gandolfo, M.A**.; Hanner, R.; Janning, A.; Krishtalka, L.; Matsunaga, A.; Midford, P.; Morrison, N.; Tuama, É. Ó.; Schildauer, M.; Smith, B.; Stucky, B. J.; Thomer, A.; Wieczorek, J.; Whitacre, J. and Wooley, J. 2014. Semantics in Support of Biodiversity Knowledge Discovery: An Introduction to the Biological Collections Ontology and Related Ontologies. *Plos One* 9(3) e89606. doi:10.1371/journal.pone.0089606.

49- Carvahlo, M; P. Wilf; E.J. Hermsen; **M.A. Gandolfo**, N.R. Cúneo and K. Johnson. 2013. First record of *Todea* (Osmundaceae) in South America, from the early Eocene paleorainforests of Laguna del Hunco, Patagonia, Argentina. *American Journal of Botany* 110: 1831-1848.

48- Cúneo, N.R., E. J. Hermsen, and **M.A. Gandolfo.** 2013. *Regnellidium* macrofossils and associated spores from the Late Cretaceous of South America. *International Journal of Plant Sciences* 174: 340-349.

47- Cooper, L., R. L. Walls, J. Elser, **M. A. Gandolfo**, D. W. Stevenson, B. Smith, J. Preece, B. Athreya, Ch. J. Mungall, S. Rensing, M. Hiss, D. Lang, R. Reski, T. Z. Berardini, D. Li, E. Huala, M. Schaeffer, N. Menda, E. Arnaud, R. Shrestha, Y. Yamazaki, P. Jaiswal. 2013. The Plant Ontology as a Tool for Comparative Plant Anatomy and Genomic Analyses. *Plant Cell and Physiology*, doi: 10.1093/pcp/pcs163.

46- Futey, M; **M. A. Gandolfo**, M. C. Zamaloa, N.R. Cuneo and G. Cladera. 2012. Arecaceae fossil fruits from the Paleocene of Patagonia. *The Botanical Review* 78: 205-234.

45- Hermsen, E. J., **M.A. Gandolfo** and M.C. Zamaloa. 2012. The fossil record of *Eucalyptus* in Patagonia. *American Journal of Botany* 99: 1356–1374.

44- Lens, F., L. Cooper, **M. A. Gandolfo**, A. Groover, P. Jaiswal, B. Lachenbruch, R. Spicer, M. E. Staton, D. W. Stevenson, R. L. Walls, and J. Wegrzyn. 2012. An extension of the Plant Ontology project supporting wood anatomy and development research. *IAWA* 33: 113-117.

43- Sauquet, H., S. Ho, **M.A. Gandolfo**, G. Jordan, P.D. Wilf, D. Cantrill, M. Bayly, L. Bromham, G. Brown, R. Carpenter, D. Lee, D. Murphy, K. Sniderman, and F. Udovicic. 2012. Testing the impact of calibration on molecular divergence times using a fossil-rich group: The case of *Nothofagus* (Fagales). *Systematic Biology* 61: 289-313.

42- Walls, R. L., B. Athreya, L. Cooper, J. Elser, **M. A. Gandolfo**, P. Jaiswal, C. J. Mungall, J. Preece, S. Rensing, B. Smith, and D. W. Stevenson. 2012. Ontologies as integrative tools for plant science. *American Journal of Botany* 99: 1263-1275.

41- **Gandolfo, M. A**., E. J. Hermsen, M. C. Zamaloa, K. C. Nixon, C. C. González, P. Wilf, N. R. Cúneo, and K. R. Johnson. 2011. Oldest known Eucalyptus macrofossils are from South America. *PLoS One* 6(6): e21084. doi:10.1371/journal.pone.0021084.

40- Ksepka, D. T; M. J. Benton; M. T. Carrano; **M. A. Gandolfo**; J. J. Head; E. J. Hermsen; W. G. Joyce; K. S. Lamm; J. S. L. Patané; M. J. Phillips; P. D. Polly; M. Van Tuinen; J. L. Ware; R. C. M. Warnock and J.F. Parham. 2011. Synthesizing and databasing fossil calibrations: divergence dating and beyond. *Biology Letters* 7: 801-803. DOI:10.1098/rsbl.2011.0356.

39- Archangelsky, S., V. Barreda, M.G. Passalia, **M.A. Gandolfo**, M. Prámparo, E.J. Romero, N.R. Cúneo, A. Zamuner, A. Iglesias, M. Llorens, G.G. Puebla, M. Quattrocchio, and W. Volkheimer. 2009. Early angiosperm diversification: evidence from Southern South America. *Cretaceous Research* 30: 1073-1082.

38- Wilf, P.D., S.A. Little, A. Iglesias, M.C. Zamaloa, **M.A. Gandolfo**, N.R. Cúneo, K.R. Johnson. 2009. *Papuacedrus* (Cupressaceae) in Eocene Patagonia, a new fossil link to Australasian rainforests. *American Journal of Botany* 96: 2031-2047.

37- Crisp, M., M. T.K. Arroyo, L. Cook, **M.A. Gandolfo**, G.J. Jordan, M. McGlone, P.H. Weston, M. Westoby, P. Wilf and H.P. Linder. 2009. Phylogenetic Habitat Conservatism on a Global Scale. *Nature* 458: 754-756.

36- **Gandolfo M. A.,** M.C. Zamaloa, M.C, R.N. Cúneo, and A. Archangelsky. 2009. Potamogetonaceae fossil fruits from the Tertiary of Patagonia, Argentina. *International Journal of Plant Sciences* 170: 419-428.

35- Crepet, W.L. and **M.A. Gandolfo**. 2008. Paleobotany in the post-genomic era: introduction**.** *Annals of the Missouri Botanical Garden* 95: 1-2.

34- **Gandolfo, M. A**., K. C. Nixon, and W. L. Crepet. 2008. Selection of fossils for calibration of molecular dating models. *Annals of the Missouri Botanical Garden* 95: 34- 42.

33- Prámparo, M.B., M. Quattrocchio**, M.A. Gandolfo**, M. C. Zamaloa y E. J. Romero. 2007. Historia evolutiva de las angiospermas (Cretácico-Paleógeno) en Argentina a través de los registros paleoflorísticos. Asociación Paleontológica Argentina, Publicación Especial 11, *Ameghiniana* 50° Aniversario: 157-172.

32- Gonzalez, C., **M. A. Gandolfo**, M.C. Zamaloa, R. N. Cúneo, P. Wilf, and K. Johnson. 2007. Revision of the Proteaceae macrofossil record from Patagonia, Argentina. *The Botanical Review* 73: 235-266.

31- Zamaloa, M.C, **M. A. Gandolfo**, Gonzalez, C., E.J. Romero, R. N. Cúneo, and P. Wilf. 2006. Casuarinaceae from the Eocene of Patagonia, Argentina. *International Journal of Plant Sciences* 167: 1279-1289.

30- Crepet, W. L., K. C. Nixon and **M. A. Gandolfo**. 2005. An extinct calycanthoid taxon, *Jerseyanthus calycanthoides*, from the Late Cretaceous of New Jersey. *American Journal of Botany* 92: 1475- 1485.

29- Cúneo, N. R., and **M. A. Gandolfo**. 2005. Angiosperm leaves from the Kachaike Formation, Lower Cretaceous of Patagonia, Argentina. *Review of Palaeobotany and Palynology* 136: 29-47.

28- **Gandolfo, M. A**., and N. R. Cúneo. 2005. Fossil Nelumbonaceae from the La Colonia Formation (Maastrichtian- Campanian, Upper Cretaceous), Chubut, Patagonia, Argentina. *Review of Palaeobotany and Palynology* 133: 169-178.

27- Wilf, P., K.R. Johnson, N. R. Cúneo, M. E. Smith, B.S. Singer and **M.A. Gandolfo**. 2005. Eocene Plant Diversity at Laguna del Hunco and Río Pichileufú, Patagonia, Argentina. *The American Naturalist* 165: 634-650.

26- Crepet, W. L., K. C. Nixon and **M.A. Gandolfo**. 2004. Fossil evidence and phylogeny: the age of major angiosperm clades based on mesofossil and macrofossil evidence from Cretaceous deposits. *American Journal of Botany* 91: 1666-1682.

25- Davis, J. I., D.W. Stevenson, G. Petersen, O. Seberg, L. M. Campbell, J. V. Freudenstein, D. H. Goldman, Ch. R. Hardy, F. A. Michelangeli, M. P. Simmons, Ch. D. Specht, F. Vergara-Silva, and **M. A. Gandolfo**. 2004. A Phylogeny of the Monocots, as Inferred from *rbcL* and *atpA* Sequence Variation, and a Comparison of Methods for Calculating Jackknife and Bootstrap Values. *Systematic Botany* 29: 467-510.

24- **Gandolfo, M. A.** 2004. Triuridaceae. In Families of Neotropical Flowering Plants, pp. 487- 488. A. Henderson (ed.), New York Botanical Garden.

23- **Gandolfo, M. A**., K. C. Nixon, and W. L. Crepet. 2004. The oldest complete fossil flowers of Nymphaeaceae and implications for the complex insect entrapment pollination mechanisms in Early Angiosperms. *Proceedings of the National Academy of Sciences* 101: 8056-8060.

22- Gonzalez, C. C., **M. A. Gandolfo**, and R. N. Cúneo. 2004. Leaf architecture and epidermal characters of the Argentina species of Proteaceae. *International Journal of Plant Sciences* 165: 521-536.

21- Hermsen, E. J. and **M. A. Gandolfo**. 2004. Fossil identification used in molecular dating studies should be justified. *American Journal of Botany* http://www.amjbot.org/cgi/eletters/91/6/881#33

20- Hermsen, E. J., **M. A. Gandolfo**, K. C. Nixon, and W. L. Crepet. 2003. *Divisestylus* gen. nov., a fossil saxifage from the Late Cretaceous of New Jersey, USA. *American Journal of Botany* 90: 1373-1388.

19- **Gandolfo, M. A.**, Nixon, K. C., and Crepet, W. L. 2002. Triuridaceae fossil flowers from the Upper Cretaceous of New Jersey. *American Journal of Botany* 89: 1940-1957.

18- **Gandolfo, M. A.,** Nixon , K. C., and Crepet, W. L. 2001. Studies on Turonian Pinaceae of the Raritan Formation, New Jersey. *Plant Systematics and Evolution* 226: 187-203.

17- Crepet. W. L., K. C. Nixon and **M. A. Gandolfo**. 2001. Turonian flora of New Jersey. VII International Symposium on Mesozoic Terrestrial Ecosystems, Buenos Aires, Argentina; *Asociación Paleontológica Argentina, Publicación Especial* 7: 62-97.

16- **Gandolfo, M. A**., K. C. Nixon, and W. L. Crepet. 2000. Monocotyledons: A review of their Early Cretaceous record. Proceedings of the Second International Conference on the Comparative Biology of the Monocotyledons. K. Wilson and D. Morrison (eds.) Pp. 44-52. Sydney, Australia.

15- **Gandolfo, M. A**., K. C. Nixon, W. L Crepet, and G. E. Ratcliffe. 2000. Sorophores of the genus *Lygodium* from the Late Cretaceous of New Jersey. *Plant Systematics and Evolution* 221:113-123.

14- **Gandolfo, M. A.,** S. A. Marenssi, and S. N. Santillana. 1998. Flora y Paleoclima de la Formación La Meseta (Eoceno Medio), Isla Marambio (Seymour), Antártida. *Publicación Especial 5. Paleógeno de América del Sur y de la Península Antártica*, pp. 155-162.

13- **Gandolfo, M. A**., K. C. Nixon, and W. L. Crepet. 1998. *Tylerianthus crossmanensis* gen. et sp. nov., (Rosales) from the Upper Cretaceous of New Jersey. *American Journal of Botany* 85: 376-386.

12- **Gandolfo, M. A**., K. C. Nixon, and W. L. Crepet. 1998. New fossil flower from the Turonian of New Jersey: *Dressiantha bicarpelatta* gen. et. sp. nov. (Capparales). *American Journal of Botany* 85: 964-974.

11- **Gandolfo, M. A**., P. Hoc, S. N. Santillana, and S. A. Marenssi. 1998. Una flor fósil con afinidades a la familia Grossulariaceae (Orden Rosales) colectada en la Formación La Meseta (Eoceno Medio), Isla Marambio (Seymour), Antártida. *Publicación Especial 5. Paleógeno de América del Sur y de la Península Antártica*, pp. 147-153.

10- **Gandolfo, M. A.,** K. C. Nixon, W.L. Crepet, D. W. Stevenson, and E. M. Friis. 1998. Oldest known fossil flowers of monocotyledons. *Nature* 394: 532-533.

9- **Gandolfo, M. A**., K. C. Nixon, W. L. Crepet, and G. E. Ratcliffe. 1997. A new fossil Gleicheniaceae from Late Cretaceous sediments of New Jersey. *American Journal of Botany* 84: 483-493.

8- **Gandolfo, M. A.** 1996. The presence of Fagaceae (Oak Family) in sediments of the Klondike Mountain Formation (Middle Eocene), Republic, Washington. *Washington Geology* 24: 20-21.

7- **Gandolfo, M. A.** and E. J. Romero. 1992. Leaf Morphology and a key to species of *Nothofagus* Bl. *Bulletin of the Torrey Botanical Club*. 119: 152-166.

6- Palma, R. M., M. C. Zamaloa, and **M. A. Gandolfo**. 1992. Depósitos de la Formación Cullén y su contenido paleontológico terciario de Tierra del Fuego, Argentina. *IV Reunión Argentina de Sedimentología. Actas* 2: 271-278.

5- **Gandolfo, M. A.** 1992. El género *Nothofagus* y su presencia en estratos terciarios patagónicos. I- Las colecciones. *Ecognición* 3: 3-8.

4- **Gandolfo, M.A**., S. A. Marenssi, and S. N. Santillana. 1990. La primera flor fósil para la Formación La Meseta (Eoceno), Isla Marambio, Antártida. *Asociación Geológica Argentina (Revista)* 45: 189-201.

3- **Gandolfo, M. A.** and E. J. Romero. 1989. Fossil remains of *Nothofagus* and others plants in quaternary sediments of Gable Island, Tierra del Fuego, Argentina. *Quaternary of South America and Antarctic Peninsula.* 7: 365-347. (Selected Paper of the IV International Symposium on the Holocene of South America; Paraná, Argentina).

2- **Gandolfo, M. A.,** M.C. Dibbern, and E. J. Romero. 1988. *Akania patagonica* n. sp. and additional material on *A. americana* Romero & Hickey (Akaniaceae) from Paleocene sediments of Patagonia. *Bulletin of the Torrey Botanical Club* 115: 83-88.

1-Romero, E. J., M. C. Dibbern, and **M. A. Gandolfo**. 987. Revisión de Lomatia bivascularis (Berry) Freng. (Proteaceae) de la Laguna del Hunco, Pcia. del Chubut. VI Congreso Argentino de Paleontología y Bioestratigrafía. *Actas* 3: 125-130.

ACCEPTED, IN REVIEW, SUBMITTED, AND IN PREPARATION MANUSCRIPTS

Galán C., A. Andruchow-Colombo, and **M.A. Gandolfo**. *In prep.* Epidermal morphology of the subfamily Athrotaxoideae (Cupressaceae). *American Journal of Botany*. (Undergraduate student research project)

Gandolfo, M.A. *In prep.* Understanding the plant fossil record, plant morphology and plant anatomy is critical in the genomic era. Invited paper for the Special issue "Reciprocal Illumination and Consilience in Plant Evolutionary-Development", *Frontiers in Cell and Developmental Biology (INVITED)*.

Kozma, Z. and **M.A. Gandolfo.** *In prep.* Leaf epidermal micromorphology of Sapindaceae. *International Journal of Plant Sciences* (Undergraduate student research project)

Matel, T.P. and **M.A. Gandolfo.** *In prep.* Leaf epidermal micromorphology of South American Anacardiaceae. *Botanical Journal of the Linnean Society*. (Undergraduate student research project)

BOOK REVIEWS

Gandolfo, M.A. 2023. Cuando las primaveras comenzaron a tener flores- *Ameghiniana* .

Gandolfo, M.A. 2019. Essentials of Developmental Plant Anatomy- *The Quarterly Review of Biology*.

TEACHING

Cornell University

2017- present	BIOPL 2470- Plants and People. (now Plants and Cultures of the World)
2015- present	BIOPL 4841- Plant Form and Function: Anatomy, Cell Biology, and Development (3 Credits; Co-taught with Dr. Adrienne Roeder).
2014- 2021	HORT 1450- The Art of Plant Anatomy (1 credit- Horticulture undergraduate students with minor in art).
2010- present	BIOPL 7490 Graduate Research in Botany (1-9 credits depending on the project).
2004- present	BIOPL 3450 Plant Anatomy (4 credits).
1999	Visiting Professor, Laboratorio Punta Cana (Dominican Republic), Cornell University- Summer Course for Minorities.
1998-2004	Laboratory Coordinator- "Paleobotany" and "Plant Evolution and the Fossil Record" courses. Department of Plant Biology, Cornell University.

Other Institutions

2008- 2009	Visiting Professor, Museo Paleontológico Egidio Feruglio, Chubut, Patagonia, Argentina (Angiosperms: their structural development and anatomy).
2000	Visiting Professor, Instituto de Biología, Universidad Nacional Autónoma de México (Paleobotany- Origin and Diversification of Angiosperms).
1984- 1990	Teaching Assistant, Universidad CAECE and Universidad de Buenos Aires, Buenos Aires, Argentina (Introductory Botany, Plant Physiology, Plant Systematics, Plant Anatomy, Paleobotany).

GRANT SUPPORT

Current

PI: M.A. Gandolfo

Project/Proposal Title:	"Paleosuelos y Paleoflora de la Formacion Pinturas (MIoceno Inferioen el oeste de Patagonia Central."
Source of Support:	PICT-Raices (Argentina)
Total Award Amount:	$0.00 (Grant pays for Gandolfo participation in Patagonia field work and visits to collections- $135,000 awarded to the Museo Paleontológico Egidio Feruglio, Chubut, Argentina).
Total Award Period:	3/1/21 - 2/28/24

PI: M.A. Gandolfo

Project/Proposal Title:	"Collaborative Research: Origins of Southeast Asian Rainforests from Paleobotany and Machine Learning"
Source of Support:	NSF- EAR
Total Award Amount:	$475.000

Total Award Period: 8/1/19 - 7/31/23

PI: M.A. Gandolfo
Project/Proposal Title: "Collaborative Research: Patagonian Fossil Floras, the Keys to the Origins, Biogeography, Biodiversity, and Survival of the Gondwanan Rainforest Biome".

Source of Support: NSF- DEB
Total Award Amount: $434,492
Total Award Period: 5/1/16 - 4/30/20

Prior

PI: M.A. Gandolfo
Project/Proposal Title: "CSBR: Natural History-Saving and preserving the Cornell University Plant Anatomy Collection (CUPAC) and the Cornell University Paleobotanical Slide Collection (CUPC-S) through curation, databasing, and digital imaging".
Source of Support: NSF- Collections in Support of Biological Research CSBR
Total Award Amount: $481,430
Total Award Period: 6/1/16 - 5/31/19

PI: M.A. Gandolfo
Project/Proposal Title: "El ecosistema terrestre en el norte de Patagonia a fines del Cretácico: condiciones fitogeográficas y variables climáticas en un contexto global" (The terrestrial ecosystem at northern Patagonia at the end of the Cretaceous: phytogeographic conditions and climatic variables in a global context)
Source of Support: Raices- Proyectos de Investigación Científica y Tecnológica- International Cooperation Raices- Max Planck Institute (Argentina-Germany).
Total Award Amount: $0.00 (Grant pays for Gandolfo's visits and field work in Argentina)
Total Award Period: 6/1/15 - 5/31/18

PI: M.A. Gandolfo
Project/Proposal Title: "Collaborative Research Ancient biodiversity hotspot in Southern South America: Evolution of speciose floras in Patagonia from latest Cretaceous to middle Eocene"
Source of Support: NSF- DEB 0918932
Total Award Amount: $491,250
Total Award Period: 6/1/10 - 5/31/14

PI: M.A. Gandolfo
Project/Proposal Title: Collaborative Research: From *Acorus* to *Zingiber* - Assembling the Phylogeny of the Monocots
Source of Support: NSF DEB-0830020
Total Award Amount: $110,000
Total Award Period: 9/1/08 - 8/31/15

PI: M.A. Gandolfo
Project/Proposal Title: "Cenozoic Radiations"
Source of Support: Swiss National Fund
Total Award Amount: $0.00 (Grant payed for Gandolfo's work visits to Switzerland)
Total Award Period: 8/1/10 - 7/31/14

PI: M.A. Gandolfo
Project/Proposal Title: TRPGR: The Plant Ontology
Source of Support: NSF DEB-0822201
Total Award Amount: $156,204
Total Award Period: 3/01/09 - 12/31/14

PI: M.A. Gandolfo
Project/Proposal Title: "Patagonia Austral y el cambio global del Mioceno" (Austral Patagonia and the Miocene global climatic change).
Source of Support: Raices- Proyectos de Investigación Científica y Tecnológica- International Cooperation Raices- Max Planck Institute (Argentina-Germany).
Total Award Amount: $0.00 (Grant payed for Gandolfo's visits to Argentina)
Total Award Period: 10/1/10 - 1/31/14

PI: M.A. Gandolfo
Project/Proposal Title: Research Experience for Undergraduate-Collaborative Research: From *Acorus* to *Zingiber* - Assembling the Phylogeny of the Monocots
Source of Support: NSF DEB-0830020
Total Award Amount: $7,500
Total Award Period: Summer 2012

PI: M.A. Gandolfo
Project/Proposal Title: Diverse fossil floras from the Paleogene of Patagonia, Argentina: Origins of High Plant and Insect Diversity
Source of Support: NSF DEB-0345750
Total Award Amount: $86,536
Total Award Period: 6/1/04 - 5/31/09

HONORS & AWARDS

2023 Fellow of the Paleontological Society (elected, First Latina)

2022 Women's Leadership Initiative Award- Cornell University.

2021- 2022 Featured at the "Daring to Dig: Women in American Paleontology Exhibition." Paleontological Research Institution (Starting in March 2021-premise of the exhibition: Women in Paleontology explore the often overlooked experiences, contributions, and diverse perspectives of women engaged in paleontology under challenging prejudicial circumstances. Despite facing prejudices, women in paleontology have long been and continue to be integral to building our understanding of the history of life on earth.)

2021 Donald R. Kaplan Memorial Lecture Award- Botanical Society of America.

2016-	Willi Hennig Society- Named Founding Member by the Society Council.
2014-	Adjunct Senior Researcher- Museo Paleontológico Egidio Feruglio, Trelew, Chubut, Patagonia, Argentina.
2008-2009	Fulbright Scholar Award- J. William Fulbright Foreign Scholarship Council for International Exchange Scholars (CIES) (for continuing working on the Laguna del Hunco Paleoflora, Chubut, Patagonia, Argentina).
2008	Michael Cichan Award- Botanical Society of America (for the paper Fossil Nelumbonaceae from the La Colonia Formation (Campanian-Maastrichtian, Upper Cretaceous), Chubut, Patagonia, Argentina). This award was established to encourage work by young researchers at the interface of structural and evolutionary botany.
2001- 2002	Franklin Research Award- American Philosophical Society.
1999	Travel Subvention Award- National Science Foundation (International Botanical Congress, Saint Louis, Missouri).
1996	International Travel Subvention Award- Antorchas Foundation (Argentina).
1987-1989	Training Fellowships for Graduates. National Council for Scientific and Technological Research (CONICET, Argentina).
1989-1991	Predoctoral Fellowship. National Council for Scientific and Technological Research (CONICET, Argentina).
1991-1992	Dissertation Improvement Fellowship. National Council for Scientific and Technological Research (CONICET, Argentina).
1988-98	Graduate Subvention Award. National Council for Scientific and Technological Research (CONICET, Argentina).
1989, 1991	Subvention Travel Awards. National Council for Scientific and Technological Research (CONICET, Argentina).

FIELD EXPERIENCE

2007-present	Australia and New Zealand.
2000	México.
1993-present	Western, Central, and South United States.
1999	Dominican Republic.
1986-present	Argentina and Chile (emphasis on Patagonia: Santa Cruz, Chubut, Rio Negro and Neuquén Provinces, Argentina, and Chile).

PROFESSIONAL SERVICE

Synergetic activities & University-Departmental service

Service Cornell University:

2023- present	Academic Achievement and Petition Committee, CALS, Cornell University.
2018-present	Biology (Arts and Science) and Plant Sciences (School of Integrative Plant Science) Curriculum Committees.
2018- present	Director of Undergraduate Studies: Biodiversity and Systematics. Office of Undergraduate Biology.
	Director of Undergraduate Studies: Plant Biology. Office of Undergraduate Biology.
2018- present	Biology and Plant Biology undergraduate student advisor.
2018	Grape Disease Ecology and Epidemiology Faculty Search Committee Member, SIPS.
2018- present	Graduate Admission Committee Member- Plant Biology, SIPS
2018-2021	Plant Biology Representative, Faculty Senate, Cornell University.
2016-present	Cornell at Patagonia, Organizer and Faculty Member.
2012-2013	Plant Sciences Reorganization Committee- (appointed by the Chair of the Plant Biology Department and the Dean of the College of Agriculture and Life Sciences, Cornell University).

Synergetic activities outside Cornell

2021-	The Art of Plant Anatomy: A Botanical Illustration Workshop. United States Botanical Garden (4 clases, May 2021).
2019-2023	President, Chair, and Organizer of the 40th. Annual Meeting of the Willi Hennig Society, Cornell University, July 9-13, 2023. (expected 250 attendees).
2019-	Featured at *Muse*- a magazine focused on science for children aged 9-14. www.cricketmedia.com.
2017-2018-	Colloquium Organizer- "Plants at the Cretaceous-Paleogene boundary". Botany 2018, Rochester, Minnesota (July 21-25, 2018). Co-organizer Dr. Nathan Jud (Cornell University).
2015-2016	Symposium Organizer- 35th. Willi Hennig Society Meeting. "Botany in Parsimony and Parsimony in Botany". Buenos Aires, Argentina (October 5-8, 2016). Co-Organizer Dr. Dennis Stevenson (New York Botanical Garden).
2015-2016	Organizer of the 33rd. Midcontinent Paleobotanical Colloquium to be held on May 20-22, 2016 at the L.H. Bailey Hortorium, Plant Biology Section, School of Integrative Plant Science, Cornell University, Ithaca, NY. Co-Organizer Dr. William L. Crepet.

2013-2017	Elected Editor of the American Paleobotany Bibliography. Botanical Society of America.
2012-2014	Symposium Organizer- North American Paleontological Congress- "The Cretaceous-Paleogene Gondwanan Expressway Symposium". Gainsville, Florida, US (February, 2014). Co-organizer E.J. Hermsen (Ohio State University).
2012- 2014	Advisor of the Argentine and Uruguayan Friends at Cornell.
2013	Colloquium Organizer: The critical role of plant fossils in divergence dating studies. Botany 2013, New Orleans, Louisiana, USA. Co-organizer E.J. Hermsen (Ohio State University).
	Symposium organizer: Insights and Benefits from Monocot Palaeobiology: Fossils, DNA, and Phylogenies- Monocot V- 5th. International Conference on Comparative Biology of Monocotyledons, New York, USA. Co-organizer S. Smith (Michigan State University).
2012-2013	Chair of the Paleobotanical Section, Botanical Society of America, USA.
	Cornell University Plant Anatomy Collection (CUPAC) display. L.H. Bailey Hortorium, Department of Plant Biology, Cornell University.
2012	Symposium Organizer- Recent Research on Cenozoic Macrofloras of the Americas. 9th. International Organization of Palaeobotany Conference, Tokyo, Japan, August 23-20. Co-organizer E. J. Hermsen (Ohio State University)
2012- present	The Moore Award- LH Bailey Hortorium, Department of Plant Biology, Cornell Committee member.
2011-2012	Patagonian Fossil Floras display. LH Bailey Hortorium, Department of Plant Biology, Cornell University.
2011-2014	Symposium Organizer- "Origin of Basal Angiosperm Symposium". International Paleontological Congress, held in Mendoza, Argentina, September 2014. Co-organizer E. J. Hermsen (Ohio State University)- Symposium published at the "The Botanical Review" (First issue 2017).
2011-2013	Member of the Fossil Calibration Working Group, supported by NESCent.
2011	Symposium Organizer- Patterns and processes in the evolution and biogeography of the Australasian flora- 18th. International Botanical Congress, Melbourne, Australia. Co-Organizer M. Bayly (University of Melbourne, Australia)
2010	Symposium Organizer- Insights on Southern Hemisphere plant species richness, endemism and colonization. 6th. Southern Connection Congress, San Carlos de Bariloche, Argentina. Co-organizer M Kalyn Arroyo (Universidad de Chile, Chile)
	Symposium Organizer- Austral Cenozoic floras and their value in elucidating modern plant distribution. 6th. Southern Connection Congress, San Carlos de Bariloche, Argentina. Co-organizer M.C. Zamaloa (Universidad de Buenos Aires, Argentina).

2008- Present	"The Laguna Del Hunco paleoflora: a paradise during the Tertiary of Patagonia" exhibition, Museo Paleontológico Egidio Feruglio, Chubut, Patagonia, Argentina Co-organizers Peter Wilf (Pennsylvania State University), K. Johnson (Smithsonian Institution) and R. Cúneo (Museo Paleontológico E. Feruglio, Chubut, Argentina).
2008	Symposium organizer- South American Tertiary Paleofloras. 8th. International Organization of Paleobotany Congress, Bonn, Germany. Co-organizer R. Cúneo (Museo Paleontológico E. Feruglio, Chubut, Argentina).
2007- 2012	Leader and Member of the WG 32: Calibrating evolutionary history of Southern Hemisphere plant clades (Australia-New Zealand Consortium). Co-leader with P. Wilf (Pennsylvania State University) and D. Cantrill (Melbourne Botanic Garden, Australia).
2006- 2011	Member of the WG 18: Assembly of Southern Floras working group (Australia-New Zealand Consortium).
2006- 2009	Organizer of the Latinas in Sciences and Mathematics Luncheon Series at Cornell University, ADVANCE.
2005	Symposium organizer- Southern Hemisphere paleofloras and their relationships to mass extinction events. 17th. International Botanical Congress, Vienna, Austria. Co-organizer R. Cúneo (Museo Paleontológico E. Feruglio, Chubut, Argentina).
2004	Executive Committee Member for the International Organization of Paleobotany VII (San Carlos de Bariloche, Argentina).
2003	Symposium Organizer- Terrestrial Paleobiology of South America: Cretaceous through Neogene Symposium, Geological Society of America Annual Meeting, Seattle. Co-organizers: Peter Wilf (Penn State University), Robyn Burnham (University of Michigan), and Kirk Johnson (Smithsonian Institution).
2003	"The Cretaceous flora of New Jersey" exhibition, Paleontological Research Institution. Ithaca, New York. In collaboration with W. L. Crepet, K. C. Nixon and E. J. Hermsen (Cornell University).
2002-2011	"What is a paleontologist? What paleontologists do? Can I be a paleontologist?" A series of talks at pre-K- 5th grade level. Caroline and North East Elementary Schools, Ithaca, NY.
2001	"The Tiniest Giants" exhibition, Natural History Museum of Los Angeles County, California. Paleobotanist for the exhibition. The "The Tiniest Giants" exhibition, that opened in 2001, is a 4,500 sq. feet itinerant exhibit on dinosaur eggs and embryos from Patagonia. My responsibility for the exhibit was to develop the paleobotanical component of the exhibition. This itinerant collection was featured in the "The value of Natural Science Collections" report of the Natural Science Collections Alliance.
2000	"Earthsteps: a rock's journey through time", a PreK- 4th Grade oriented book on geology, geological time scale and fossils. Consultant for the illustrator.

1996 Session Moderator- Paleobotanical Section, Botanical Society of America, AIBS Meeting.

Professional Societies
American Society of Plant Taxonomists, American Association of University Women, Asociación Paleontológica Argentina, Botanical Society of America, Geological Society of America, International Organization of Paleobotany**,** Latin-American Society of Paleobotany and Palynology, Paleogene of South America, Sociedad Argentina de Botánica, Paleontological Society, Southern Connection, Willi Hennig Society.

Manuscript Reviewer
Alcheringa, Ameghiniana, American Journal of Botany, Annals of Botany, Annals of Missouri Botanical Garden, Australian Journal of Botany, BMC- Evolutionary Biology, Britttonia, Botanique, Darwiniana, Cambridge University Press (Reviewer for proposed books "Early Events In Monocot Evolution" and "Early Miocene Paleobiology in Patagonia: High-Latitude Paleocommunities of the Santa Cruz Formation), Cladistics, Cretaceous Research, Evolution, International Journal of Plant Sciences, Journal of Biogeography, Journal of Paleontology, Nature, Nature Communications, New Phytologist, Palaeontology, Paleontogia Electronica, Plant Systematics and Evolution, PALAIOS, PLoS One, Proceedings of the National Academy of Sciences, Review of Palaeobotany and Palynology, Revista Chilena de Historia Natural, Revista Mexicana de Ciencias Geológicas, Science, Systematic Botany, Sociedad Botánica de México, South African Journal of Botany, South American Journal of Earth Sciences, Second, Third and Fourth International Conferences on the Comparative Biology the Monocotyledons, Sexto Congreso Argentino de Paleontología y Bioestratigrafía, Springer-Verlag (Plant Anatomy book prospectus and syllabus), Systematic Biology, Systematic Botany**,** The Botanical Review.

Special Reviews-Theses and Tenure

2017, 2018- The University of Adelaide, Australia (Ph.D. Overseas External Reviewer)

2015- University of Otago, New Zealand. (Ph.D. Overseas External Reviewer)

2015 Section of Horticulture, School of Integrative Plant Science, Cornell University (Lecturer package)

2014- Howard and Williams Colleges, Geneva (Tenure and Full Professor packages)

2012, 2015- Universidad de Buenos Aires (M.Sc. Overseas External Reviewer)

Research and Extension Grant Review Panels:
Agencia Nacional de Promoción Científica y Tecnológica (ANPCT, Argentina)
American Association for the Advancement of Science (USA)
American Association for the Advancement of Science- Women in Science (WISC)-(USA)
American Philosophical Society- Franklin Research Award and Lewis and Clark Award (USA)
Consejo Nacional de Investigaciones Científicas y Técnicas (CONICET, Argentina)
Fondo Nacional de Desarrollo Científico y Tecnológico (FONDECyT, Chile)
National Science Foundation (Collections, Paleobiology, SGP Core, The Earth-Life Transitions, Environmental Biology, and Dimension panels, USA)
Program Consejo Nacional de Ciencia y Técnica (CONACYT, México)
Comisión Nacional de Investigación Científica y Tecnológica (CONICYT, Chile)

Deutsche Forschungsgemeinschaft (DFG, Germany).
Fulbright

Editorial Boards

2022- present	Guest co-Editor of *Review of Palaeobotany and Palynology Special Issue* "Honoring Dr. Sergio Archangelsky: a worldwide eminence in Paleobotany and Palynology." (with Drs. Del Fueyo and Zamaloa, it will be published in 2023).
2018- present	Editor-in-Chief *Review of Palaeobotany and Palynology* (First Female and First Latino/a since the creation of the journal in 1967).
2017- present	Co-Editor- *Boletín de la Sociedad Geológica Mexicana*.
2014- 2017	Editor-In-Chief, *Bibliography of the Paleobotany Section*, Botanical Society of America.
2014-2016	*The Botanical Review* (2016, co-editor of special volume- Origin of Basal Angiosperm Symposium of the International Paleontological Congress, held in Mendoza, Argentina, September 2014).
2013-2015	*Botanical Journal of the Linnean Society* (co-editor of special volume- Smith, S. and M.A Gandolfo. 2015. Insights and benefits from monocot palaeobiology: DNA, fossils and phylogenetic analyses. *Botanical Journal of the Linean Society* 178: 343-345).
2012- 2020	Co-Editor- *Ameghiniana*.
2012	*The Botanical Review* (2012, co-editor of special volume- Insights on Southern Hemisphere plant species richness, endemism and colonization and Austral Cenozoic floras and their value in elucidating modern plant distribution Symposium).
2004- 2020	Co-Editor- *Cladistics*.
2004- 2013	www.Plantontology.org.
2004- present	www.Plantsystematics.org.

STUDENTS

Undergraduate Honors Thesis

Completed

2020-2024. Kozma, Zachary. Honor Thesis: Evaluation of leaf cuticular characters of the family Sapindaceae: fossil and extant species.

2020-2022- Matel, Theorore. Honor Thesis: Cunoniaceae Infructescences from the early Eocene (~52 Ma) Laguna del Hunco paleoflora, Patagonia, Argentina. (Published at the *American Journal of Botany in 2022*).

2018-2020- Poore, Colton. Honor Thesis: An Icacinaceae endocarp from the Early Paleocene of Patagonia, Argentina. (Published at the *Review of Palaeobotany and Palynology in 2023*)

2018-2020- Dobler, Jessica. Honor Thesis: Classification of trichome types in *Quercus* Subsection *Glaucoideae*, Fagaceae.

In preparation

2021-present. Galan, Cesar. Honor Thesis: Cuticular morphology of the subfamily Arthrotaxoideae, Cupressaceae. (expected graduation May 2024)

Undergraduate advisees (excluding first year advisees)
Brown, Erin
Chai, Jonathan
Cody, Lauren
Galán, César
Goodhew, Iliana
Hernández, Diego (graduated 2022)
Matel, Theodore (graduated 2022)
Norman, Matthew
Kozma, Zachary
Schieffer, Matthew (graduated 2022)
Vila-Coury, Vicens (graduated 2022)

Undergraduate mentees
Garcia Rodriguez, Gerardo (2021- present)
Galán, César (2021-present)
Kozma, Zachary (2021- present)
Matel, Theodore (2020- present)
Peverly, Rachel (2020-2021)
Scholberg, Naomi (2019)
Meyer, Peter (2018-2020)
de Becker, Elsa (2015-2016)
McCarthy, Josiah (2015-2016)
Repka, Anne (2015-2016)
Serris, Stefano (2014-2016)
Dawkins, Marantha (2012)
Kim, Hanna (2010)
Shuvo, Sheik (2010)
Wiman, Kimberly (2009)
Wood, Ellen (2009)

Graduate Students

United States

Completed

2009- Yazbek, Mariana. Ph.D. L.H. Bailey Hortorium, Department of Plant Biology, Cornell University. Thesis: "Monograph and Phylogeny of *Prunus* L. subgenus *Amygdalus L.* (Rosaceae)"- Committee Member.

2010- Cohen, James I. Ph.D. L.H. Bailey Hortorium, Department of Plant Biology, Cornell University. Thesis: "The systematics of *Lithospermum* and the evolution of heterostyly". Committee Member.

2011- Futey, Mary K. M.Sc. L.H. Bailey Hortorium, Department of Plant Biology, Cornell University. Thesis: A Review of the Fossil Record of New World Palms (Arecaceae) and Systematics of the Subtribe Arecoideae)- Committee Member.

2012- Borgardt, Sandra. Ph.D. L.H. Bailey Hortorium, Department of Plant Biology, Cornell University. Thesis: A Comparative Study of Floral and Fruit development among annual and biennial species of *Quercus* subgenus *Quercus* (Fagaceae). Committee Member.

2015-Sun, Yanan. Ph.D. Department of Architecture and Urban Planning, Cornell University. Thesis: Architectural Chinoiserie in Germany: Micro- and Macro-Approach of historical research. Committee Member.

2018- Lim, Gwynne. Ph.D. L.H. Bailey Hortorium, Plant Biology Section, SIPS, Cornell University. Thesis: The evolutionary history and systematics of the genus *Tacca* (Dioscoreaceae) Committee Member.

2019-Martinez, Camila. Ph.D. L.H. Bailey Hortorium, Plant Biology Section, SIPS, Cornell University. Thesis: Two Cenozoic floras from South America: Paleoclimatic and paleoaltimetry inferences. Committee Member.

2021-Chen, Yen-Hua. Ph.D. Horticulture Section, SIPS, Cornell University. Thesis: Dehydrataion and microbial impatcs on water uptake and postharvest quality of cut lily. Committee Member

2022- Martinez-Gomez, Jesús. Ph.D. Student. (expected date for completion April 2022). L.H. Bailey Hortorium, Plant Biology Section, SIPS, Cornell University. Thesis: Evolutionary and Developmental approaches to investigate the origin of branch architecture in the Amaryllis family. Committee Member.

2022- Eyland, Nathan. Ph. D. Student. (expected date for completion 2024)Horticulture Section, SIPS, Cornell University. Thesis: Anatomical, Physiological, and Photomorphogenic Responses of Lettuce and Basil Under Different Intensities of Far-Red Radiation Committee Member (starting in 2020).

In progress

Paradiso, Lydia. Ph.D. Student. (expected date for completion 2024)New York Botanical Garden. Thesis: Systematics and biogeography of *Larix* Mill. (Pinaceae). Committee Member (starting in 2020).

Phillips, Heather. Ph.D. Student. (expected date for completion 2023) L.H. Bailey Hortorium, Plant Biology Section, SIPS, Cornell University. Thesis: Investigating the Evolution and Development of Floral Fusion in the Zingiberales. Committee Member (starting in 2020).

Siegert, Caroline. Ph.D. Student. (expected date for completion 2026) L.H. Bailey Hortorium, Plant Biology Section, SIPS, Cornell University. Thesis topic to be defined. Committee Member (starting in 2021). Major Professor

Thummel Ryan. Ph.D. Student. (expected date for completion 2026) L.H. Bailey Hortorium, Plant Biology Section, SIPS, Cornell University. Thesis topic to be defined. Committee Member (starting in 2021). Major Professor-.

Argentina

Completed

Gonzalez, Cynthia. Ph.D. 2009- Museo Paleontológico E. Feruglio and Universidad de Buenos Aires. Thesis: Paleocene- Eocene Floras of Chubut, Patagonia, Argentina: taxonomy and biogeography (supported by the National Council for Scientific and Technological Research [CONICET] Argentina). Co-Chair

Puebla, Griselda. Ph.D. 2010- Centro Regional de Investigaciones Científicas y Tecnológicas- Co-Chair Thesis: Paleofloristic studies of the Cretaceous formations of the San Luis Basin, Argentina (supported by the National Council for Scientific and Technological Research [CONICET] Argentina). Co-Chair

De Benedetti, Facundo. Ph.D. 2022 - Museo Paleontológico E. Feruglio and Universidad de Buenos Aires. Thesis: Palynology of the La Colonia Formation (Maastrichtian-Danian), Chubut, Argentina. (supported by the National Council for Scientific and Technological Research [CONICET] Argentina). Co-Chair

Postdoctoral Associates

Hermsen, Elizabeth J. 2009-2012. Ancient biodiversity hotspot in Southern South America: Evolution of speciose floras in Patagonia from latest Cretaceous to middle Eocene.

Puebla, Griselda. 2012 (3 months). Cretaceous- Paleogene floras of Mendoza, Argentina.

Vento, Barbara. 2013-2014 (6 months). Tertiary floras of Argentina.

Jud, Nathan A. 2016-2018. Paleogene floras of Chubut, Patagonia, Argentina.

An, Xioagang. 2019-2020. Phytoliths from the Lefipán Fm., Chubut, Patagonia, Argentina.

Andruchow-Colombo, Ana. 2021-2022. Gymnosperms from the Lefipán Formation., Chubut, Patagonia, Argentina.

De Benedetti, Facundo. 2022-2023. Palynological studies of Maastrichtian (Latest Cretaceous)- Danian (earliest Paleocene) sediments of Patagonia, Argentina

Prolonged Laboratory Visits

Gallego, Julieta. M.Sc. 2011. January 2012-August 2013. Jurassic-Cretaceous floras of Chubut, Patagonia, Argentina (Supported by Fundacíon Museo Paleontológico Egidio Feruglio and Agencia Argentina de Investigaciones Científicas).

Escapa, Ignacio. 2014. Cretaceous gymnosperms. Museo Paleontológico Egidio Feruglio and CONICET (Supported by a Fulbright Fellowship).

Lai, Yangjun. 2014-2015. Cretaceous and Tertiary Hamamelidaceae fossils. Department of Palaeobotany and Palynology, Nanjing Institute of Geology and Palaeontology, Chinese Academy of Sciences, Nanjing, China (Supported by the Chinese Government).

Corredor, Lina. 2017. Description and isotope analyses of a gymnosperm fossil (*Brachyphyllum*, Araucariaceae) from Patagonia, Argentina. Supervised summer internship in research project (Estudiante de Ingeniería ambiental y Biología Universidad de los Andes, Colombia).

Lab Associates

Hermsen, Elizabeth. PhD. 2019-2023. Paleontological Research Institute.
Ababneh, Linah. PhD. 2017-2018. Cornell University.

INVITED CONFERENCES/SEMINARS

2022	Keynote Speaker- Mid Continental Paleobotany Colloquium- Oak Spring Garden, Virginia. May 2022.
2022	Keynote Speaker- Hennig Society Annual Meeting to be held in Helsinki, Finland July 2022.
2022	Keynote Speaker- XIV Reunión Argentina de Cladística y Biogeografía, Trelew, Chubut, Patagonia, Argentina. October 2022.
2021	Keynote Speaker- Mid Continental Paleobotany Colloquium, University of Washington.
2021	Kaplan Lecture. Botany2021.
2018	Plant Evolutionary Processes in the fossil record of Patagonia, Lamont-Doherty Earth Observatory, Earth Institute, Columbia University.
2017	Darwin's Dammed Land: Patagonia-A Paleobotanist's Paradise. Cornell University.
2017	Darwin's Dammed Land: Patagonia. Arnold Arboretum, Massachusetts.
2013	Patagonia: Paleobotanist's Paradise. Ohio University, Athens, Ohio.
2012	Paleobotánica en el siglo XXI: La importacia de los fósiles en la era post-genómica. Departamento de Ciencias Biológicas, Facultad de Ciencias Exactas y Naturales, Universidad de Buenos Aires, Argentina.
2011	Paleobotany in the era of Molecular Biology and a brief introduction to the Plant Ontology. Departamento de Ciencias Biológicas, Facultad de Ciencias Exactas y Naturales, Universidad de Buenos Aires, Argentina.
2011	The value of fossils in elucidating the evolutionary history of the Angiosperms. Facultad de Ciencias Naturales y Museo. Muse de La Plata, Buenos Aires, Argentina.
2009	Exploratory journeys to the "Damend Land". Travelers and Scientists. PRI
2008	Understanding plant evolution: the inclusion of fossils in morphological and molecular phylogenies. Departamento de Ciencias Biológicas, Facultad de Ciencias Exactas y Naturales, Universidad de Buenos Aires, Argentina.
2008	Cretaceous and Tertiary Paleofloras of South America and their value in understanding Southern Hemisphere biogeographical patterns- Melbourne Royal Botanical Gardens, Melbourne, Australia.
2008	The use of Cretaceous and Tertiary fossil in understanding monocotyledon evolution. Department of Biology. New Mexico State University. Las Cruces, New Mexico.
2006	Patagonian floras from the Cretaceous to present days- Paleontogical Research Institute- Ithaca, NY.
2005	The origin of Isoetales- Humboldt State University.

	From ferns to flowering plants: the value of Cretaceous fossils in understanding evolutionary history. Arizona State University
2004	From ferns to flowering plants: the value of Cretaceous fossils in understanding evolutionary history. Wells College
2002	Revision of Cretaceous and Tertiary floras of Patagonia, Argentina. Departamento de Biología, Universidad de Buenos Aires, Argentina.
	Plants in the fossil record, Department of Biology, Ithaca College, Ithaca.
2001	Tertiary floras of Patagonia, Argentina. Natural History Museum of Los Angeles County.
	New elements of the Turonian flora of New Jersey. Departamento de Biología, Universidad de Buenos Aires.
2000	Cretaceous floras of Patagonia, Argentina: a synopsis. Natural History Museum of Los Angeles County.
	Turonian flora of New Jersey. Departamento de Biología, Universidad de Buenos Aires.
1999	Seed Plants and their fossil record. American Museum of Natural History.

PUBLISHED ABSTRACTS- MEETING PRESENTATIONS: MORE THAN 260 OVER LAST 30 YEARS.