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Department of Plant Biology
Cornell University

TITLE: Senior Research Associate

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EDUCATION

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

AREAS OF EXPERTISE

Paleobotany, Plant Anatomy and Morphology, Angiosperm diversification, Plant Evolution, Cretaceous and Tertiary floras and paleoclimates of Patagonia.

PROFESSIONAL EXPERIENCE

2009-present: Cornell University Plant Anatomy Collection (CUPAC Curator)
2007-present: Plant Histology Unit, Department of Plant Biology, Cornell University (In charge of the unit)
2004-present: "Plant Anatomy" and "Histology of Plant Model Organisms" courses. Department of Plant Biology, Cornell University (In charge of lectures and laboratories)
2004-present: Senior Research Associate
1998-present: Acting Curator of the Paleobotany Collection, Department of Plant Biology, Cornell University.
1998-2004: Research Associate, L. H. Bailey Hortorium, Cornell University.
1998-2004: Laboratory Coordinator- "Paleobotany" and "Plant Evolution and the Fossil Record" courses. Department of Plant Biology, Cornell University.
2000: Visiting Professor, Instituto de Biología, Universidad Nacional Autónoma de México (Paleobotany)
1999: Visiting Professor, Laboratorio Punta Cana (Dominican Republic), Cornell University

- 1995-1997: 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).
1984-1990: Teaching Assistant, Universidad CAECE and Universidad de Buenos Aires, Buenos Aires, Argentina (Introductory Botany, Plant Physiology, Plant Systematics and Plant Anatomy, Paleobotany).

HONORS AND AWARDS

Council for International Exchange Scholars (CIES)

2008-09 - Fulbright Scholar Award- J. William Fulbright Foreign Scholarship (for continuing working on the Laguna del Hunco Paleoflora, Chubut, Patagonia, Argentina)

Botanical Society of America

2008- Michael Cichan Award (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.

American Philosophical Society

2001- 02 Franklin Research Award

National Science Foundation

1999 Travel Subvention Award (International Botanical Congress, Saint Louis, Missouri)

Antorchas Foundation (Argentina).

1996 International Travel Subvention Award.

National Council for Scientific and Technological Research (CONICET, Argentina).

1987-89 Training Fellowships for Graduates.

1989-91 Predoctoral Fellowship.

1991-92 Dissertation Improvement Fellowship.

National Council for Scientific and Technological Research (CONICET, Argentina).

1988-98 Graduate Subvention Award.

1989, 1991 Subvention Travel Awards.

**GRANT SUPPORT
CURRENT**

PI: M.A. Gandolfo-Nixon

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-Nixon

Project/Proposal Title: 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: 9/1/09 - 8/31/14

PI: M.A. Gandolfo-Nixon

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

PI: M.A. Gandolfo-Nixon

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 - 8/31/13

PI: M.A. Gandolfo-Nixon

Project/Proposal Title: "Cenozoic Radiations"
Source of Support: Swiss National Fund
Total Award Amount: \$0.00 (Grant will pay for Gandolfo's work visits to Switzerland)
Total Award Period: 8/1/10 - 7/31/13

PI: M.A. Gandolfo-Nixon

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 will pay for Gandolfo's work visits to Argentina)
Total Award Period: 10/1/10 - 9/30/13

PRIOR

PI: M.A. Gandolfo-Nixon

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

FIELD EXPERIENCE

1986-present Patagonia (Tierra del Fuego, Santa Cruz, Chubut, Rio Negro Provinces,
Argentina).
1992-present Chile.
1993-present Western, Central and South United States.
1999 Dominican Republic.
2000 México
2007-present Australia

SYNERGETIC ACTIVITIES

2012-2013- Chair of the Paleobotanical Section, Botanical Society of America, USA.
2012- 2013- Plant Sciences Reorganization Committee- Cornell University (appointed by the
Chair of the Plant Biology Department and the Dean of the College of Agriculture and
Life Sciences, Cornell University).
2012- Convener- Recent Research on Cenozoic Macrofloras of the Americas (The 9th.
International Organization of Palaeobotany Conference, held in Tokyo, Japan, August
23-20).
2011-2012- Patagonian Fossil Floras display. Department of Plant Biology, Cornell University.
2011-2014- Organizer of the "Angiosperms workshop" and officer of the International
Paleontological Congress, that it will be held in Mendoza, Argentina, September 2014.
2011-2013- Member of the Fossil Calibration Working Group, supported by NESCent.
2011- Convener, Patterns and processes in the evolution and biogeography of the Australasian
flora Symposium (XVIII International Botanical Congress, Melbourne, Australia)
2010- Convener, Insights on Southern Hemisphere plant species richness, endemism and
colonization and Austral Cenozoic floras and their value in elucidating modern plant

- distribution Symposia (VI Southern Connection Congress, San Carlos de Bariloche, Argentina)
- 2008- present: "The Laguna Del Hunco paleoflora: a paradise during the Tertiary of Patagonia" exhibition, Museo Paleontológico Egidio Feruglio, Chubut, Patagonia, Argentina (In collaboration with Peter Wilf, Pennsylvania State University, Kirk Johnson, Denver Museum of Natural History and Rubén Cúneo, MEF, Chubut).
- 2008- Convener, South American Tertiary Paleofloras Symposium (International Organization of Paleobotany Congress, Bonn)
- 2007- present: Member of the WG 32: Calibrating evolutionary history of Southern Hemisphere plant clades (Australia-New Zealand Consortium)
- 2006- present: 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.
- 2005- Convener, Southern Hemisphere paleofloras and their relationships to mass extinction events (XVII International Botanical Congress, Vienna, Austria).
- 2004- present- Botany and Paleontology Associate Editor of "Cladistics" the journal of the Willi Hennig Society.
- 2004- present- Associate Curator of "PlantSystematics.org"
- 2004- Executive Committee Member for the International Organization of Paleobotany VII (San Carlos de Bariloche, Argentina).
- 2003- Convener, Terrestrial Paleobiology of South America: Cretaceous through Neogene Symposium, Geological Society of America Annual Meeting, Seattle, November 2-5 (co-conveners: Peter Wilf, Penn State University, Robyn Burnham, University of Michigan, and Kirk Johnson, Denver Museum of Nature and Science).
- 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-present- "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 is 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.

GRADUATE MAJORS

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).

Puebla, Griselda. Ph. D. 2010- Centro Regional de Investigaciones Científicas y Tecnológicas (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).

GRADUATE MINORS

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

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

Futey, Mary K.. M.Sc. 2011. 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.

Borgardt, Sandra. Ph.D. 2012. 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.

Sun, Yanan. Ph.D. Student. Historic Preservation, College of Architecture, Arts and Planning, Cornell University (Tentative title: A Study on the Lumber Origins of the Chinese Tower - Chinesischer Turm- in Donaustauf)- Committee Member.

Lim, Gwynne . Ph.D. Student. Committee Member.

POSTDOCTORAL ASSOCIATES

Hermesen, Elizabeth J. PhD. 2005. 2009-2012. Ancient biodiversity hotspot in Southern South America: Evolution of speciose floras in Patagonia from latest Cretaceous to middle Eocene (now an Assistant Professor at Ohio State University at Athens).

PROFESSIONAL SOCIETIES

American Society of Plant Taxonomists, 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 FOR

Alcheringa,
Ameghiniana
American Journal of Botany
Annals of Botany
Annals of Missouri Botanical Garden
Australian Journal of Botany
BMC- Evolutionary Biology
Brittonia
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
Plant Systematics and Evolution
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
Second, Third and Fourth International Conferences on the Comparative Biology of the Monocotyledons
Sexto Congreso Argentino de Paleontología y Bioestratigrafía
Springer-Verlag (Plant Anatomy book prospectus and syllabus)
Systematic Biology
Systematic Botany
The Botanical Review

RESEARCH AND EXTENSION GRANT REVIEW PANELS

Agencia Nacional de Promoción Científica y Tecnológica (ANPCT, Argentina)
American Association for the Advancement of Science
American Association for the Advancement of Science- Women in Science (WISC)
American Philosophical Society- Franklin Research Award and Lewis and Clark Award.
Consejo Nacional de Investigaciones Científicas y Técnicas (CONICET, Argentina)

Fondo Nacional de Desarrollo Científico y Tecnológico (FONDECYT, Chile)
American Philosophical Society (Franklin Award and Lewis and Clark Award)
National Science Foundation (Collections, Paleobiology and Dimensions panels)
Program Consejo Nacional de Ciencia y Técnica (CONACYT, México)

EDITORIAL BOARDS

Cladistics (2004-present)

www.Plantsystematics.org (2004-present)

www.Plantontology.org (2009-present)

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 Symposia)

Ameghiniana (2012-present)

OTHER CURRENT PROFESSIONAL CONTRIBUTIONS CONFERENCES/WORKSHOPS/IN-SERVICE PARTICIPATION

2012- Paleobotanica en el siglo XXI: La Importancia 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. Museo 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- Paleontological 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.

PUBLICATIONS

- Cúneo, N.R., E. J. Hermsen, and **M.A. Gandolfo**. In press. *Regnellidium* macrofossils and associated spores from the Late Cretaceous of South America. International Journal of Plant Sciences.
- Gandolfo, M. A.**, M.C. Zamalao, and N. Caviglia. In press. Revisiting the Argentinean monocotyledon fossil record. *The Botanical Review*.
- Futey, M; **M.A. Gandolfo**, M.C. Zamalao, G. Cladera, and N.R. Cuneo. 2012. Argentinean fossil record of palm fruits (Salamanca Fm., Paleocene) from Chubut, Patagonia. *The Botanical Review* doi 10.1007/s12229-012-9100-9.
- Hermsen, E. J., **M.A. Gandolfo** and M.C. Zamalao. 2012. The fossil record of *Eucalyptus* in Patagonia. American Journal of Botany 99: 1356–1374
- 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 Journal* 33: 113-117.
- 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
- 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.
- Gandolfo, M. A.**, E. J. Hermsen, M. C. Zamalao, 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.
- 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 published online before print April 27, 2011, doi:10.1098/rsbl.2011.0356

- 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
- Wilf, P.D., S.A. Little, A. Iglesias, M.C. Zamalao, **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
- 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
- Gandolfo M. A.**, M.C. Zamalao, 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.
- Crepet, W.L. and **M.A. Gandolfo**. 2008. Paleobotany in the post-genomic era: introduction. Annals of the Missouri Botanical Garden 95: 1-2.
- 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.
- Prámparo, M.B., M. Quattrocchio, **M.A. Gandolfo**, M. C. Zamalao 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.
- Gonzalez, C., **M. A. Gandolfo**, M.C. Zamalao, R. N. Cúneo, P. Wilf, and K. Johnson. 2007. Revision of the Proteaceae macrofossil record from Patagonia, Argentina. The Botanical Review 73: 235-266
- Gandolfo, M.A.** 2006. Patagonia: A Paleobotanist's paradise. American Paleontologist 14: 23-26
- Zamalao, 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.
- 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.

- 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
- 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.
- 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.
- 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.
- 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
- Gandolfo, M. A.** 2004. Triuridaceae. In Families of Neotropical Flowering Plants, pp. 487-488. A. Henderson (ed.), New York Botanical Garden.
- 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.
- 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.
- Hermesen, 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](http://www.amjbot.org/cgi/eletters/91/6/881#33)
- Hermesen, 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.
- 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.

- 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.
- 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.
- 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.
- 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.
- Gandolfo, M. A.**, S. A. Marensi, 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.
- 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.
- 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.
- Gandolfo, M. A.**, P. Hoc, S. N. Santillana, and S. A. Marensi. 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
- 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.
- 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.
- 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.
- 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.

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