

2011 CURRICULUM VITAE
Maria Alejandra Gandolfo-Nixon
L.H. Bailey Hortorium
Department of Plant Biology
Cornell University

TITLE: Senior Research Associate

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EDUCATION

<u>Year</u>	<u>Degree</u>	<u>Institution</u>
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, Plant Morphology, Angiosperm diversification, Plant Evolution, Cretaceous and Tertiary floras and paleoclimates.

PROFESSIONAL EXPERIENCE

<u>Year</u>	<u>Experience</u>
<u>2007-present:</u>	Plant Histology Unit, Department of Plant Biology, Cornell University (In charge of the unit)
<u>2004-present:</u>	"Plant Anatomy" course. Department of Plant Biology, Cornell University (In charge of lectures and laboratories)
<u>2004-present:</u>	Senior Research Associate
<u>1998-present:</u>	Acting Curator of the Paleobotany Collection, Department of Plant Biology, Cornell University.
<u>1998-2004:</u>	Research Associate, L. H. Bailey Hortorium, Cornell University.
<u>1998-present:</u>	Laboratory Coordinator- "Paleobotany" and "Plant Evolution and the Fossil Record" courses. Department of Plant Biology, Cornell University.
<u>2000:</u>	Visiting Professor, Instituto de Biología, Universidad Nacional Autónoma de México (Paleobotany)
<u>1999:</u>	Visiting Professor, Laboratorio Punta Cana (Dominican Republic), Cornell University
<u>1995-1997:</u>	Postdoctoral Associate, L. H. Bailey Hortorium, Cornell University.
<u>1993-1994:</u>	Visiting Fellow, L. H. Bailey Hortorium, Cornell University.
<u>1990-1992:</u>	Lecturer, Universidad Centro de Altos Estudios en Ciencias Exactas 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.

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

**GRANT SUPPORT
CURRENT**

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: 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: 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: "Cenozoic Radiations"
Source of Support: Swiss National Fund
Total Award Amount: \$0.00 (Grant will pay for Gandolfo's 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 visits to Argentina)
Total Award Period: 10/1/10 - 9/30/13

SYNERGETIC ACTIVITIES

2011- Convener, Patterns and processes in the evolution and biogeography of the Australasian flora Symposium (XVIII International Botanical Congress, to be held in Melbourne, July 23-30, 2011).

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 (coconveners:

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. 2011, 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

Mariana Yazbek. 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

James I. Cohen. 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

Mary K. Futey. M.S. 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

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
Paleontological Society of America
Sociedad Argentina de Botánica
Southern Connection
Willi Hennig Society

MANUSCRIPT REVIEWER FOR

Alcheringa
Ameghiniana
American Journal of Botany
American Philosophical Society (Franklin Award and Lewis and Clark Award)
Annals of Botany
Annals of Missouri Botanical Garden
Australian Journal of Botany

BMC- Evolutionary Biology
Brittonia
Darwiniana
Cambridge University Press (Reviewer for proposed book “Early Events in Monocot Evolution”).
Cladistics
Cretaceous Research
Evolution
International Journal of Plant Sciences
Journal of Biogeography
Journal of Paleontology
Plant Systematics and Evolution
Proceedings of the National Academy of Sciences
Review of Palaeobotany and Palynology
Revista Mexicana de Ciencias Geológicas
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

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 (Argentina)
National Science Foundation (Collections, Paleobiology and Dimensions panels)
Program Consejo Nacional de Ciencia y Técnica (CONACYT, México)

EDITORIAL BOARDS

The Botanical Review (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)
Cladistics (2004-present)
<http://www.Plantsystematics.org> (2004-present)
<http://www.Plantontology.org> (2009-present)

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

- 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.

INVITED PRESENTATIONS

Gandolfo, M.A. How to choose a fossil as calibration point. "Paleobotany in the post genomics era Symposium" BSA 2006, Chico, California.

Archangelsky, S., V. Barreda, M. G. Passalia, M. B. Prámparo, E. J. Romero, A. Zamuner, N. R. Cúneo, **M. A. Gandolfo**, A. Iglesias, M. Llorens, G. G. Puebla, M. E. Quattrocchio, and W. Volkheimer. 2004. Early angiosperm diversification in the Cretaceous of Argentina: first approach. "Symposium New paradigms on the origin of angiosperms, VII Conference of the International Organization of Paleobotany, San Carlos de Bariloche, Argentina.

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. "Symposium New paradigms on the origin of angiosperms, VII Conference of the International Organization of Paleobotany, San Carlos de Bariloche, Argentina.

Gandolfo, M. A., K.C. Nixon, and W. L. Crepet. 2004. Fossil evidence and monocot phylogeny revisited "New paradigms on the origin of angiosperms Symposium", VII Conference of the International Organization of Paleobotany, San Carlos de Bariloche, Argentina.

- Gandolfo, M. A.**, M. C. Zamalao, C. C. Gonzalez, R. N. Cúneo, P. Wilf, and E. J. Romero. 2004. Early history of Casuarinaceae in the Paleogene of Patagonia, Argentina. "Global view of Paleogene floras Symposium", VII Conference of the International Organization of Paleobotany, San Carlos de Bariloche, Argentina.
- Wilf, P., K. Johnson, R. Cúneo, C. Labandeira and **M.A. Gandolfo**. 2004. Extremely diverse fossil floras from the Paleogene of Patagonia, Argentina: Implications for origins of high plant and insect diversity in South America. "Global view of Paleogene floras Symposium", VII Conference of the International Organization of Paleobotany, San Carlos de Bariloche, Argentina.
- Cúneo, N. R. and **M. A. Gandolfo**. 2003. Morfotipos de angiospermas en la Formación Kachaike, Cretácico medio de Santa Cruz, Argentina. "Symposium on the relation of Patagonia and Antarctic fossil floras", XII Simposio Argentino de Paleobotánica y Palinología, Buenos Aires, Argentina.
- Gandolfo, M. A.** and N. R. Cúneo. 2003. Flora of La Colonia Formation (Maastrichtian, upper Cretaceous), Chubut, Patagonia, Argentina. Presented at the South American Terrestrial Paleobiology: Towards an integrated Cenozoic record Symposium, Geological Society of America, Seattle.
- Gandolfo, M. A.** and M. C. Zamalao. 2003. Evolution of Upper Cretaceous and Tertiary Angiosperm floras of Patagonia. Presented at the "Symposium on the relation of Patagonia and Antarctic fossil floras", XII Simposio Argentino de Paleobotánica y Palinología, Buenos Aires, Argentina.
- Wilf, P., K. R. Johnson, N. R. Cúneo, C. C. Labandeira, and **M. A. Gandolfo**. 2003. Extremely diverse fossil floras from the Paleogene of Patagonia, Argentina: Implications for origin of high plant and insect diversity of South America. Presented at the South American Terrestrial Paleobiology: Towards an integrated Cenozoic record Symposium, Geological Society of America, Seattle, USA.
- Gandolfo, M. A.** 2001. Fossils and the Linnaean system of nomenclature. Presented in the "Linnaean Taxonomy: a viable system for the new millennium? Symposium, Botanical Society of America Meeting, Albuquerque, USA.
- Gandolfo, M. A.**, K. C. Nixon and W. L. Crepet. 2000. Morphological characters of the Monocotyledons in the fossil record. Presented in the "Early angiosperm evolution" Symposium, VI Conference of the International Organization of Paleobotany, Qinhuangdao, China.
- Crepet, W. L., K. C. Nixon and **M. A. Gandolfo**. 2000. Implications of Cretaceous (Turonian) angiosperm flowers and inflorescences from North America. Presented in the "Early angiosperm evolution" Symposium, VI Conference of the International Organization of Paleobotany, Qinhuangdao, China.

Gandolfo, M. A. 1999. A cladistic analysis of Gleicheniaceae and Schizaeaceae fossils and their relatives. Presented in the "Fern phylogeny with emphasis on relationships of basal lineages" Symposium. XVI International Botanical Congress, St. Louis, USA.

Gandolfo, M. A., and C. P. Daghljan. 1999. New evidence on the history of Monocotyledons. Presented in the "Fossil history, morphology, and phylogeny of seed plants" Symposium, XVI International Botanical Congress, St. Louis, USA.

Crepet, W. L., K. C. Nixon and **M. A. Gandolfo**. 1999. The Upper Cretaceous angiosperm record and its implications for angiosperm evolution. Presented in the "Fossil history, morphology, and phylogeny of seed plants" Symposium, XVI International Botanical Congress, St. Louis, USA.

Nixon, K. C., D. W. Stevenson, H. Ochoterena, D. Little, **M. A. Gandolfo**, L. Vazquez and W. L. Crepet. 1999. Simultaneous phylogenetic analysis of the "higher" seed plants. Presented in the "Fossil history, morphology, and phylogeny of seed plants" Symposium, XVI International Botanical Congress, St. Louis, USA.

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. IV International Symposium on the Holocene of South America; Paraná, Argentina.

PUBLICATIONS

Futey, M; **M.A. Gandolfo**, G. Cladera, and N.R. Cuneo. In press. Argentinean fossil record of palm fruits (Salamanca Fm., Paleocene) from Chubut, Patagonia. *The Botanical Review*.

Gandolfo, M. A., M.C. Zamalao, and N. Caviglia. In press. Revisiting the Argentinean monocotyledon fossil record. *The Botanical Review*.

Gandolfo, M.A., E.J. Hermsen, M.C. Zamalao, C.C. Gonzalez, P. Wilf, K. Johnson and N.R. Cúneo. 2011. World's Oldest Known *Eucalyptus* Macrofossils Are from South America. *PloS One* 6(6): e21084. doi:10.1371/journal.pone.0021084.

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.
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- 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.
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