

CURRICULUM VITAE

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Lugar y fecha de nacimiento: Buenos Aires, Argentina.
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ÁREAS DE INTERES

Interacciones mutualistas planta-animal . Ecología reproductiva de plantas . Ecología de comunidades . Biodiversidad . Conservación

ESTUDIOS PROFESIONALES

Universidad de Buenos Aires, Facultad de Ciencias Exactas y Naturales. Marzo 1980 - diciembre 1985. Título: Licenciado en Ciencias Biológicas.

Universidad de Massachusetts en Amherst, Departamento de Ciencias Forestales y Manejo de Fauna Silvestre. Setiembre 1987 - setiembre 1992 (Programa doctoral). Título: Ph.D.

POSICIÓN ACTUAL

Investigador Principal del CONICET, Laboratorio Ecotono, Centro Regional Universitario Bariloche, Universidad Nacional del Comahue. En la carrera del investigador desde enero 1995 hasta el presente.

SUBSIDIOS RECIBIDOS

Sigma Xi (1988), International Foundation for Science (1990, 1993, 1995), Universidad Nacional del Comahue (1994, 1996, 1997, 2001), CONICET (1997, 1999, 2005), National Geographic

Society (1998, 2002), Fondo de Ciencia y Técnica (1998, 1999, 2008), Wildlife Conservation Society (2000), Fundación Antorchas (2000, 2002), CONICET (2005, 2008).

DIRECCION DE TESIS

13 Tesinas de Licenciatura dirigidas +9 Tesis Doctorales

PUBLICACIONES

80 artículos científicos

1 libro editado

5 capítulos de libros

11 artículos de divulgación

Artículos científicos publicados en los últimos cinco años:

1. **Aizen, M.A.** y L.D. Harder. 2007. Expanding the limits of the pollen-limitation concept: effects of pollen quantity and quality. *Ecology* 88: 271-281.
2. Kremen, C., N. M. Williams, **M.A. Aizen**, B. Gemmill-Herren, G. Lebuhn, R. Minckley, L. Packer, S. G. Potts, T. Roulston, I. Steffan-Dewenter, D.P. Vazquez, R. Winfree, L. Adams, E. E. Crone, S. S. Greenleaf, T. H. Keitt, A. Klein, J. Regetz y T. Ricketts. 2007. Pollination and other ecosystem services produced by mobile organisms: a conceptual framework for the effects of land use change. *Ecology Letters* 10: 299–314.
3. Chacoff, N.P y **M.A. Aizen**. 2007. Pollination requirements of pigmented grapefruit (*Citrus paradisi* Macf.) from northwestern Argentina. *Crop Science* 47: 1143-1150.
4. **Aizen, M.A.** 2007. Enfoques en el estudio de la reproducción sexual de las plantas en ambientes alterados: limitaciones y perspectivas. *Ecología Austral* 17: 7-19.
5. Rodríguez-Cabal, M., **M.A. Aizen** y A. Novaro. 2007. Habitat fragmentation disrupts a plant-disperser mutualism in the temperate forest of South America. *Biological Conservation* 39: 195-202.
6. Rodríguez-Cabal, M.A., G.C. Amico, A.J. Novaro y **M.A. Aizen**. 2008. Population characteristics of *Dromiciops gliroides* (Philippi, 1893), an endemic marsupial of the temperate forest of Patagonia. *Mammalian Biology* 73: 74-76. (doi:10.1016/j.mambio.2007.06.002)
7. **Aizen, M.A.** y C. Ezcurra. 2008. Do leaf margins of the temperate forest flora of southern South America reflect a warmer past? *Global Ecology and Biogeography* 17: 164-174.
8. **Aizen, M.A.**, C.L. Morales y J.M. Morales. 2008. Invasive mutualists erode native pollination webs. *PLoS Biology* 6(2): e31. (doi:10.1371/journal.pbio.0060031)
9. Paritsis, J. y **M.A. Aizen**. 2008. Effects of exotic conifer plantations on the biodiversity of understory plants, epigeal beetles and birds in *Nothofagus dombeyi* forests. *Forest Ecology and Management* 255: 1575–1583.
10. Chacoff, N.P, **M.A. Aizen** y V. Aschero. 2008. Proximity to forest edge does not affect crop production despite pollen limitation. *Proceedings of the Royal Society B* 275: 907–913 (doi: 10.1098/rspb.2007.1547).

11. Chalcoff, V.R., **M.A. Aizen** y L. Galetto. 2008. Sugar preferences of the green-backed firecrown hummingbird (*Sephanoides sephaniodes*, Trochilidae): a field experiment. *Auk* 125: 60–66.
12. Chalcoff, V.R., Ezcurra, C. y **M.A. Aizen**. 2008. Uncoupled geographic variation between leaves and flowers in a south-Andean Proteaceae. *Annals of Botany* 102: 79–91.
13. **Aizen, M.A.**, L.A. Garibaldi, S.A. Cunningham y A.M. Klein. 2008. Long-term global trends in crop yield and production reveal no current pollination shortage but increasing pollinator dependency. *Current Biology* 18: 1572–1575 (doi: 10.1016/j.cub.2008.08.066).
14. Amico, G.C., M.A. Rodríguez-Cabal, M.A. y **M.A. Aizen**. 2009. The potential key seed-dispersing role of the arboreal marsupial *Dromiciops gliroides*. *Acta Oecologica* 35: 8 – 13 (doi:10.1016/j.actao.2008.07.003).
15. Garibaldi, L.A., **M.A. Aizen**, S. Cunningham y A.M. Klein. 2009. Pollinator shortage and global crop yield: looking at the whole spectrum of pollinator dependency. *Communicative & Integrative Biology* 2:37-39.
16. Aizen, M.A., L.A. Garibaldi y M. Dondo. 2009. Expansión de la soja y diversidad de la agricultura argentina. *Ecología Austral* 19:45-54.
17. Aizen, M.A., L.A. Garibaldi, S.A. Cunningham y A.M. Klein. 2009. How much does agriculture depend on pollinators? Lessons from long-term trends in crop production. *Annals of Botany* 103: 1579-1588 (doi:10.1093/aob/mcp076).
18. Aizen, M.A. y L.D. Harder. 2009. The global stock of domesticated honey bees is growing slower than agricultural demand for pollination. *Current Biology* 19: 915-918 (doi:10.1016/j.cub.2009.03.071).
19. Winfree, R., R. Aguilar, D.P. Vázquez, G. LeBuhn y **M.A. Aizen**. 2009. A meta-analysis of bees' responses to anthropogenic disturbance. *Ecology* 90: 2068–2076.
20. **Aizen, M.A.** y L.D. Harder. 2009. Geographic variation in the growth of domesticated honey-bee stocks: disease or economics? *Communicative & Integrative Biology* 2: 464-466.
21. Quintero, C., C.L. Morales y **M.A. Aizen**. 2010. Effects of anthropogenic habitat disturbance on local pollinator diversity and species turnover across a precipitation gradient. *Biodiversity and Conservation* 19: 257-274.
22. Harder, L.D. y **M.A. Aizen**. 2010. Floral adaptation and diversification under pollen limitation. *Philosophical Transactions of the Royal Society B* 365: 529–543.
23. **Aizen, M.A.** y A.E. Rovere. 2010. Reproductive interactions mediated by flowering overlap in a temperate hummingbird-plant assemblage. *Oikos* 119 (4): 696-706.
24. Sabatino, M., N. Maceira, N. y **M.A. Aizen**. 2010. Direct effects of habitat area on interaction diversity in pollination webs. *Ecological Applications* 20: 1491-1497.
25. Menz, M.H.M., R.D. Phillips, R. Winfree, C. Kremen, **M.A. Aizen**, S.D. Johnson y K.W. Dixon. 2011. Reconnecting plants and pollinators: challenges in the ecological restoration of pollination function. *Trends in Plant Science* 16:4-12.
26. Amico, G.C., M.A. Rodríguez-Cabal y **M.A. Aizen**. 2011. Geographic variation in fruit colour is associated with contrasting seed disperser assemblages in a south-Andean mistletoe. *Ecography* 34: 177–352. doi: 10.1111/j.1600-0587.2010.06459.x.

27. Garibaldi, L.A., **M.A. Aizen**, A.M. Klein, S.A. Cunningham y L.H. Harder. 2011. Global growth and stability of agricultural yield decrease with pollinator dependence. *Proceedings of the National Academy of Sciences* 108: 5909–5914. doi:10.1073/pnas.1012431108
28. **Aizen, M.A.**, M. Lozada y C.L. Morales. 2011. Comparative nectar-foraging behaviors and efficiencies of an alien and a native bumble bee. *Biological Invasions* 13: 2901-2909. doi: 10.1007/s10530-011-9972-3
29. Chalcoff, V.R., **M.A. Aizen** y C. Ezcurra. 2012. Erosion of a pollination mutualism along an environmental gradient in a south Andean treelet, *Embothrium coccineum* (Proteaceae). *Oikos* [121](#): 471–480.
30. **Aizen, M.A.**, M. Sabatino y J.M. Tylianakis. 2012. Specialization and rarity predict non-random loss of interactions from mutualist networks. *Science* 335: 1486-1489.
31. Sáez, A., M. Sabatino y **M.A. Aizen**. 2012. Interactive effects of large- and small-scale sources of feral honey-bees for sunflower in the Argentine Pampas. *PLoS One* 7: e30968.
32. Cavallero, L., **M.A. Aizen** y E. Raffaele. 2012. Endozoochory decreases environmental filtering imposed to seedlings. *Journal of Vegetation Science* (en prensa).