

DOCTORADO EN CIENCIAS AGROALIMENTARIAS

Francisco Fontúrbel

Publicaciones (2017- 2021)

1. **Fontúrbel, F.**, Murúa, M., Vieli, L. 2021. Invasion dynamics of the European bumblebee *Bombus terrestris* in the southern part of South America. *Scientific Reports*, 11: 15306. Q1.
2. Bohada, M., Castaño, G., **Fontúrbel, F.** 2021. Effects of dams on vertebrate diversity: A global analysis. *Diversity*, 13: 528. Q2.
3. Velásquez, V., Betancurt, J., Varga, A., Lara, C., Rivera, F., **Fontúrbel, F.**, Castaño, G. 2021. Bird functional diversity in agroecosystems and secondary forests of the tropical andes. *Diversity*, 13: 493. Q2.
4. Riffo, V., Osorio, F., **Fontúrbel, F.** 2021. Habitat disturbance alters species richness, composition, and turnover of the bryophyte community in a temperate rainforest. *Forest Ecology and Management*, 496: 119467. Q1.
5. López, M., Flores-, L., Ruz, L., Sepúlveda, Y., Rodríguez, S., Saraiva, A., **Fontúrbel, F.** 2021. Wild bees of Chile: a database on taxonomy, sociality, and ecology. *Ecology*, 102: e03377. Q1.
6. Cuadra, J., Vizentin, J., **Fontúrbel, F.** 2021. An exotic magnet plant alters pollinator abundance and behavior: a field test with a native mistletoe. *Biological Invasions*, 23: 2515-2525. Q1.
7. Nespolo, R., Mejías, C., Espinoza, A., Quintero, J., Rezende, E., **Fontúrbel, F.**, Bozinovic, F. 2021. Heterothermy as the Norm, Homeothermy as the Exception: Variable Torpor Patterns in the South American Marsupial Monito del Monte (*Dromiciops gliroides*). *Frontiers in Physiology*, 12: 682394. Q1.
8. Fernández, V., **Fontúrbel, F.** 2021. Temporal variation of daily activity on pollinator and frugivorous birds simultaneously interacting with a specialized mistletoe. *Community Ecology*, 22: 217-223. Q4.
9. **Fontúrbel, F.**, Ferrer, P., Vega, C., Medel, R. 2021. Accounting for relatedness and spatial structure to improve plant phenotypic selection in the wild. *Evolutionary Ecology*, 35: 15-26. Q2.
10. González, H., Spínola, M., Mora, J., Sáenz, J., Paillacar, A., **Fontúrbel, F.** 2021. Intermediate levels of wood extraction may facilitate coexistence of an endemic arboreal marsupial and Indigenous communities. *Oryx*, aceptado. Q2.
11. Díaz, P., Olmos-, N., **Fontúrbel, F.**, Lavandero, B., Pozo, R., Celis, J.L. 2021. Bird-mediated effects of pest control services on crop productivity: a global synthesis. *Journal of Pest Science*, aceptado. Q1.

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12. **Fontúrbel, F.**, Osorio, F., Riffo, V., Carvalho, G., Rydin, H. 2021. Cryptic interactions revisited from ecological networks: Mosses as a key link between trees and hummingbirds. *Functional Ecology*, 35: 226-238. Q1.
13. **Fontúrbel, F.**, Orellana, J., Rodríguez, G., Tabilo, C., Castaño, G. 2021. Habitat disturbance can alter forest understory bird activity patterns: A regional-scale assessment with camera-traps. *Forest Ecology and Management*, 479: 118618. Q1.
14. **Fontúrbel, F.**, Rodríguez, G., Fernández, N., García, B., Orellana, J.I., Castaño, G. 2020. Sampling understory birds in different habitat types using point counts and camera traps. *Ecological Indicators*, 119: 106863. Q2.
15. Cordero, S., Castaño, G., **Fontúrbel, F.** 2020. The best bang for the bucks: Rethinking global investment in biodiversity conservation. *Sustainability (Switzerland)*, 12: 9252. Q2.
16. **Fontúrbel, F.**, Osorio, F., Riffo, V., Nuñez, M., Bastias, R., Carvalho, G. 2020. Mamma knows best: why a generalist hummingbird selects the less abundant moss for nest building. *Ecology*, 101: e03045. Q1.
17. Cardona, L., Benavides, Y., Vargas, Á., Betancurt, J., Bohada, M., Martínez, E., Cardona, M., Busi, A., Tobón, W., Ortíz, M., Gómez, D., Alvarez, J., Molina, D., Rodas, J., Grisale, L., Velásquez, V., Salazar, L., Pineda D., Hoyos, A., Santisteban, R., Salazar, J., Orozco, G., Ramos, S., Gómez, G., Ospina, F., Estévez, J., Ossa, P., Rivera, F., Pérez, J., **Fontúrbel, F.**, Castaño, G. 2020. A morphological, reproductive, and molt phenology database for 379 bird species from the Colombian Tropical Andes. *Ecology*, 101: e03016. Q1.
18. González, A., Gómez, V., Ramírez, M., **Fontúrbel, F.** 2020. Meta-analysis of the differential effects of habitat fragmentation and degradation on plant genetic diversity. *Conservation Biology*, 34: 711-720. Q1.
19. Rodríguez, G., **Fontúrbel, F.** 2020. Regional-scale variation on *Dromiciops gliroides* occurrence, abundance, and activity patterns along a habitat disturbance gradient. *Journal of Mammalogy*, 101: 733-741. Q1.
20. Botto, C., Bacigalupo, A., Correa, J., **Fontúrbel, F.**, Cattán, P., Solari, A. 2020. Prevalence, infected density or individual probability of infection? Assessing vector infection risk in the wild transmission of Chagas disease. *Proceedings of the Royal Society B: Biological Sciences*, 287: 20193018. Q1.
21. Bohada, M., Castaño, G., **Fontúrbel, F.** 2020. The effects of forestry and agroforestry plantations on bird diversity: A global synthesis. *Land Degradation and Development*, 31: 646-654. Q1.
22. **Fontúrbel, F.** 2020. Mistletoes in a changing world: A premonition of a non-analog future? *Botany*, 98: 479-488. Q3.

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23. Ortuño, M., Machtig, A., Chacón, M., Cuzmar, J., **Fontúrbel, F.** 2019. Spatial distribution of *Puya coerulea* lindl. In response to abiotic factors and accompanying species in the Río Clarillo national reserve. *Gayana - Botanica*, 76: 115-118. Q3.
24. Castaño, G., Estevez, J., Guevara, G., Bohada, M., **Fontúrbel, F.** 2019. Differential effects of forestry plantations on bird diversity: A global assessment. *Forest Ecology and Management*, 440: 202-207. Q1.
25. Tejo, C., **Fontúrbel, F.** 2019. A vertical forest within the forest: millenary trees from the Valdivian rainforest as biodiversity hubs. *Ecology*, 100: e02584. Q1.
26. **Fontúrbel, F.**, Bruford, M., Salazar, D., Cortés, J., Vega, C. 2019. The hidden costs of living in a transformed habitat: Ecological and evolutionary consequences in a tripartite mutualistic system with a keystone mistletoe. *Science of the Total Environment*, 651: 2740-2748. Q1.
27. Oda, E., Rodríguez, G., **Fontúrbel, F.**, Soto, M., Nespolo, R. 2019. Southernmost records of *dromiciops gliroides*: Extending its distribution beyond the valdivian rainforest. *Gayana*, 83: 145-149. Q4.
28. Franco, L., **Fontúrbel, F.**, Guevara, G., Soto, M. 2019. Movement behavior of the Monito del monte (*Dromiciops gliroides*): New insights into the ecology of a unique marsupial. *Revista Chilena de Historia Natural*, 92: 8. Q2.
29. D'Elía, G., Jaksic, F., Bacigalupe, L.D., Bozinovic, F., Canto, J., Correa, C., **Fontúrbel, F.**, Lisón, F., Méndez, M., Nespolo, R., Opazo, J., Palma, R., Rau, J., Rodríguez, S., Rodríguez, E., Sabat, P., Vásquez, R., Victoriano, P. 2019. Suggestions to improve the chilean regulation of manipulation of terrestrial vertebrates in natural populations in the context of scientific research. *Gayana*, 83: 63-67. Q4.
30. **Fontúrbel, F.**, Lara, A., Lobos, D., Little, C. 2018. The cascade impacts of climate change could threaten key ecological interactions. *Ecosphere*, 9: e02485. Q2.
31. Torrico, D., Caceres, L., Flores, L., Aguilera, D., **Fontúrbel, F.**, Niemeyer, H., Pinto, C. 2018. Kin recognition in a subsocial treehopper (Hemiptera: Membracidae). *Ecological Entomology*, 43: 342-350. Q1.
32. **Fontúrbel, F.**, Candía, A. 2018. Native forest replacement changes fruit geometry on *tristerix corymbosus* (Loranthaceae), a keystone mistletoe. *Gayana - Botanica*, 75: 650-653. Q3.
33. Medel, R., González, C., **Fontúrbel, F.** 2018. Pollination in the Chilean Mediterranean-type ecosystem: a review of current advances and pending tasks. *Plant Biology*, 20: 89-99. Q2.
34. **Fontúrbel, F.**, Jordano, P., Medel, R. 2017. Plant-animal mutualism effectiveness in native and transformed habitats: Assessing the coupled outcomes of pollination and seed dispersal. *Perspectives in Plant Ecology, Evolution and Systematics*, 28: 87-95. Q1.

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35. **Fontúrbel, F.**, Salazar, D., Medel, R. 2017. Why mistletoes are more aggregated in disturbed forests? The role of differential host mortality. *Forest Ecology and Management*, 394: 13-19. Q1.
36. **Fontúrbel, F.**, Salazar, D., Medel, R. 2017. Increased resource availability prevents the disruption of key ecological interactions in disturbed habitats. *Ecosphere*, 8: e01768. Q2.
37. **Fontúrbel, F.**, Medel, R. 2017. Frugivore-Mediated Selection in A Habitat Transformation Scenario. *Scientific Reports*, 7: 45371. Q1.

Proyectos con financiamiento externo últimos 5 años (adjudicado y/o ejecutado)

1. Trait convergence, genetic structure, and mutualist relationships among mistletoe species: studying the confounding demands of hosts and mutualists under a climate-change scenario.
Financiamiento: FONDECYT Regular N°1210166
Rol: Investigador responsable
Duración: 2021-2025
Año adjudicación: 2021
2. Ecological Intensification: Integrating knowledge of ecosystem services to promote sustainable agriculture in Chile.
Financiamiento: Proyecto Anillo de Investigación en Ciencia y Tecnología (ACT192027)
Rol: Investigador titular
Duración: 2020-2023
Año adjudicación: 2020
3. Elucidating the role of global warming on Vibrio- Phage Infection Networks (VPINs) and the abundance of specific Vibrio species.
Financiamiento: FONDECYT Regular N°1200521
Rol: Co-investigador
Duración: 2020-2023
Año adjudicación: 2020
4. Safeguarding pollination services in a changing world: theory into practice (SURPASS-2).
Financiamiento: Proyecto NE/S011870/1
Rol: Investigador responsable
Duración: 2019-2021
Año adjudicación: 2019
5. INTERGAP (Interacciones Ecológicas como Indicadoras de Gestión en Áreas Protegidas).
Financiamiento: Redes temáticas del Programa Iberoamericano de Ciencia y Tecnología para el Desarrollo CYTED.
Rol: Investigador
Duración: 2018-2021

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Año adjudicación: 2018