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I. PUBLICACIONES (2015 – presente)

Publicaciones en revistas indexadas (ISI)

1. Lavín, U., Martínez-Harms, M. J., **Celis-Diez, J. L.**, Francois, J. P., Aguirre, Y., & Martínez-Harms, J. (2024). Modelling pollination maps in agroecosystems of a Chilean biodiversity hotspot. ***Ecosystems and People***, 20(1). <https://doi.org/10.1080/26395916.2024.2358471>
2. Mondaca, P., **Celis-Diez, J. L.**, Díaz-Siefer, P., Olmos-Moya, N., Montero-Silva, F., Molina, S., Fontúrbel, F. E., Aponte, H., Mandakovic, D., Bastidas, B., Arellano, E. C., Lavandero, B., Carvajal, M., & Gaxiola, A. (2024). Effects of sustainable agricultural practices on soil microbial diversity, composition, and functions. ***Agriculture Ecosystems & Environment***, 370, 109053. <https://doi.org/10.1016/j.agee.2024.109053>
3. Mondaca, P., Lebuy, R., Rojas, S., Aguas, J., **Celis-Diez, J. L.**, & Díaz-Siefer, P. (2024). Contour furrowing reduces erosion and enhances soil moisture on semiarid hillslopes. ***Geoderma Regional***, 38, e00826. <https://doi.org/10.1016/j.geodrs.2024.e00826>
4. Zepeda-Paulo, F., Romero, V., **Celis-Diez, J.L. et al.** A newly discovered bacterial symbiont in the aphid microbiome identified through 16S rRNA sequencing. ***Symbiosis*** 93, 223–228 (2024). <https://doi.org/10.1007/s13199-024-01000-7>
5. Moya, H., Althoff, I., **Celis-Diez, J. L.**, Huenchuleo-Pedrerros, C., & Reggiani, P. (2024). Impact of Future Climate Scenarios and Bias Correction Methods on the Achibueno River Basin. ***Water***, 16(8), 1138. <https://doi.org/10.3390/w16081138>
6. Perez-Quezada, J. F., Trejo, D., Lopatin, J., Aguilera, D., Osborne, B., Galleguillos, M., Zattera, L., **Celis-Diez, J. L.**, & Armesto, J. J. (2024). Comparison of carbon and water fluxes and the drivers of ecosystem water use efficiency in a temperate rainforest and a peatland in southern South America. ***Biogeosciences***, 21(5), 1371-1389. <https://doi.org/10.5194/bg-21-1371-2024>

7. Ponce, M., Undurraga, M. I., Pozo, R. A., & **Celis-Diez, J. L.** (2023). Patrón de actividad horaria del Zorro culpeo en ambientes rurales de Chile central: Interferencia del Perro doméstico. *La Chirioca*, 31, 4-10.
8. Perez-Quezada, J. F., Trejo, D., Lopatin, J., Aguilera, D., Osborne, B., Galleguillos, M., Zattera, L., **Celis-Diez, J. L.**, and Armesto, J. J.: Drivers of ecosystem water use efficiency in a temperate rainforest and a peatland in southern South America, *EGUsphere* [preprint], <https://doi.org/10.5194/egusphere-2023-1932>, 2023.
9. Soto, E. F., Pozo, R. A., Díaz-Sieffer, P., **Celis-Diez, J. L.**, & Fontúrbel, F. E. (2023). Vertebrate diversity in productive landscapes in Mediterranean Chile: The role of neighboring natural vegetation. *Global Ecology And Conservation*, 45, e02508. <https://doi.org/10.1016/j.gecco.2023.e02508>
10. Schneider I, Brito C, Aguilera-Betti I, Klock-Barría K, Saldes A, **Celis-Diez JL**, Ugalde A, Jorquera L, Venegas-González A, Carvallo GO, Muñoz AA. (2022) Soluciones de base Natural (SbN) para conflictos de escasez hídrica en la Ecorregión Mediterránea de Chile. *Revista de Geografía Norte Grande*
11. León-Lobos P, J Díaz-Forestier, R Díaz, **JL Celis-Diez**, M Diazgranados, T Ulian (2022) Patterns of Traditional and Modern Uses of Wild Edible Native Plants of Chile: Challenges and Future Perspectives. *Plants* 11; doi: 10.3390/plants11060744
12. Graells G, **JL Celis-Diez**, D Corcoran, and S Gelcich (2022) Bird species in coastal urban areas: exploring habitat use of terrestrial and marine birds. *Frontiers in Ecology and Evolution* 10; doi: 10.3389/fevo.2022.807280.
13. Díaz-Sieffer P, N Olmos-Moya, FE Fontúrbel, B Lavandero, RA Pozo, **JL Celis-Diez** (2022) Bird-mediated effects of pest control services on crop productivity: A global synthesis. *Journal of Pest Science* 95; doi: 10.1007/s10340-021-01438-4
14. Mondaca P, P Valenzuela, N Roldán, W Quiroz, M Valdenegro, **JL Celis-Diez** (2022) Remediation of agricultural soils with long-term contamination of arsenic and copper in two Chilean Mediterranean areas. *Agronomy* 12(1); doi: 10.3390/agronomy12010221
15. Rodríguez P, R Almuna, C Marchant, S Heinz, R Lebuy, **JL Celis-Diez**, P Díaz-Sieffer (2022) The future of rurality: Place attachment among young inhabitants of two rural communities of Mediterranean central Chile. *Sustainability* 14(1); doi: 10.3390/su14010546
16. Larraguibel-González C, **JL Celis-Diez**, D Boric-Bargetto, R Figueroa-Sterquel, F Torres-Pérez (2021) Diferencias en el ensamble de micromamíferos entre áreas con diferente grado de perturbación antrópica. Caso de estudio: Bioparque

el Puquén, Los Molles, Región de Valparaíso, Chile. *Revista de Geografía Norte Grande* 80; doi: 10.4067/S0718-34022021000300391

17. Berasaluce M, P Díaz-Siefer, P Rodríguez-Díaz, M Mena-Carrasco, JT Ibarra, **JL Celis-Diez**, P Mondaca (2021) Social-environmental conflicts in Chile: is there any potential for an ecological constitution? *Sustainability* 13(22); doi: 10.3390/su132212701.
18. Díaz-Forestier J, S Abades, N Pohl, O Barbosa, K Godoy, GL Svensson, MI Undurraga, C Bravo, C García, M Root-Berstein, JJ Armesto, **JL Celis-Diez** (2021) Assessing ecological indicators for functional biological corridors in Chilean vineyards. *Diversity* 13; doi: 10.3390/d13090447
19. Díaz-Siefer P, J Tapia-Gatica, J Martínez-Harms, J Bergmann, **JL Celis-Diez** (2021) A larval aggregation pheromone as foraging cue for insectivorous birds. *Biology letters* 20210360; doi: 10.1098/rsbl.2021.0360
20. Quintero-Galvis, JF, Saenz-Agudelo P, **Celis-Diez JL**, Amico GC, Vazquez, S, Shafer ABA & Nespolo RF (2021) The Biogeography of Dromiciops in Southern South America: middle Miocene transgressions, speciation and associations with *Nothofagus*. *Molecular Phylogenetics and Evolution* 163; doi: 10.1016/j.ympev.2021.107234
21. Graells G, Nakamura N, **Celis-Diez JL**, Lagos NA, Marquet PA, Plischoff P, Gelcich S. (2021) A review on coastal urban ecology: Research gaps, challenges and needs. *Frontiers in Marine Science* 8; doi: 10.3389/fmars.2021.617897
22. Dymond K, MPD Garratt, BG Howlett, SG Potts, BK Willcox, **JL Celis-Diez** (2021) The role of insect pollinators in avocado production: a global review. *Journal of Applied Entomology* 145; doi: 10.1111/jen.12869
23. García CB, G Svensson, C Bravo, MI Undurraga, J Díaz-Forestier, K Godoy, O Barbosa, A Neaman, S Abades, **JL Celis-Diez*** (2021) Remnants of native forests support carnivore diversity in the vineyard landscapes of central Chile. *Oryx* 55; doi: 10.1017/S0030605319000152
24. Parra-Saldívar A, S Abades, **JL Celis-Diez**, S Gelcich (2020) Exploring perceived wellbeing from urban parks: Insights from a mega-city in Latin America. *Sustainability* 12(18); doi: 10.3390/su12187586
25. Lillo F, J Tapia-Gatica, P Díaz-Siefer, H Moya, C Youlton, **JL Celis-Diez**, J Santa Cruz, R Ginocchio, S Sauvé, VA Brykov & A Neaman (2020) Which Cu fraction governs phytotoxicity in field-collected soils contaminated by copper smelting activities in central Chile? *Chemosphere* 242; doi:

10.1016/j.chemosphere.2019.125176

26. Valdés-Barrera A, L Kutzbach, **JL Celis Diez**, JJ Armesto, D Holl & JF Perez-Quezada (2019) Effects of disturbance on the carbon dioxide balance on an anthropogenic peatland in northern Patagonia. **Wetlands Ecology and Management** 27; doi: 10.1007/s11273-019-09682-3
27. Valladares-Gómez A, **JL Celis-Diez**, C Sepúlveda-Rodríguez, O Inostroza-Michael, CE Hernández & RE Palma (2019) Genetic diversity, population structure and migration scenarios of the marsupial “Monito del Monte” in south-central Chile. **Journal of Heredity** 110 (6); doi: 10.1093/jhered/esz049.
28. Besoain X, J. Guajardo, A. Larach, N. Riquelme, E. Gálvez, L. Tapia, T. Saratscheff & **JL Celis-Diez** (2019). First Report of *Diplodia seriata* causing gummy canker in *Araucaria araucana* wild populations in south-central Chile **Plant Disease** 10.1094/PDIS-01-19-0200-PDN.
29. Zepeda PS, E Rodríguez-Serrano, F Torres-Pérez, **JL Celis-Diez** & RE Palma (2019). Genetic variability and structure of the Olive Field Mouse: a sigmodontine rodent in a biodiversity hotspot of southern Chile. **PeerJ** 10.7717/peerj.6955.
30. Díaz-Forestier J, P Leon-Lobos, A Marticorena, **JL Celis-Diez** & P Giovannini (2019) Useful native plants of Chile: review and patterns of use. **Economic Botany** 73, 10.1007/s12231-019-09447-2.
31. Vargas G, A Rivera, D Suárez, J Verdejo, C Youlton, **JL Celis-Diez**, Y Le Bissonnais, EA Dovletyarova & A Neaman (2019) The effect of four calcium-based amendments on soil aggregate stability of two sandy topsoils. **Journal of Plant Nutrition and Soil Science** 182: 159–166, 10.1002/jpln.201700562.
32. Smith-Ramírez C, L Vieli, R Barahona, J Montalva, F Cianferoni, L Ruz, FE Fonturbel, CE Valdivia, R Medel, A Pauchard, **JL Celis-Diez**, V Riesco, V Monzon, F Vivallo & M Neira (2018) Las razones de por qué Chile debe detener la importación del abejorro comercial *Bombus terrestris* (Linnaeus) y comenzar a controlarlo. **Gayana** 82 (2): 118-127, 10.4067/S0717-65382018000200118.
33. Godoy-Güinao J, I Díaz & **JL Celis-Diez** (2018) Confirmation of arboreal habits in *Dromiciops gliroides*: a key role in Chilean Temperate Rainforests. **Ecosphere** 02424, 10.1002/ecs2.2424.
34. Stowhas T, J Verdejo, C Yañez, **JL Celis-Diez**, CE Martínez & A Neaman (2018) Zinc alleviates copper toxicity to symbiotic nitrogen fixation in agricultural soil affected by copper mining in central Chile. **Chemosphere** 209: 960-963, 10.1016/j.chemosphere.2018.06.166.

35. Pardo J, P Mondaca, **JL Celis-Diez**, R Ginocchio, C Navarro-Villaruel & A Neaman (2018) Assessment of revegetation of metal (loid)-polluted acidic soils six years after amendment application. **Geoderma** 331: 81–86, 10.1016/j.geoderma.2018.06.018.
36. Perez-Quezada JF, **JL Celis-Diez**, CE Brito, A Gaxiola, M Nuñez-Avila, FI Pugnaire & JJ. Armesto (2018) Carbon fluxes from a temperate rainforest site in southern South America reveal a very sensitive sink. **Ecosphere** 9(4):e02193, 10.1002/ecs2.2193.
37. Muñoz C, S Ippi, **JL Celis-Diez**, D Salinas & JJ Armesto (2017) Arthropods in the diet of the bird assemblage from a forested rural landscape in northern Chiloé Island, Chile: A quantitative study. **Ornitología Neotropical** 28: 191-199.
38. Valladares-Gómez A, **JL Celis-Diez**, E Palma & G Manríquez-Soto (2017) Cranial morphological variation of *Dromiciops gliroides* (Microbiotheria) along its geographical distribution in south-central Chile: a three-dimensional analysis. **Mammalian Biology** 87: 107-117; doi: 10.1016/j.mambio.2017.07.003
39. **Celis-Diez, JL**, CE Munoz, S Abades, PA Marquet & JJ Armesto (2017) Biocultural Homogenization in Urban Settings: Public Knowledge of Birds in City Parks of Santiago, Chile. **Sustainability** 9: 485; doi: 10.3390/su9040485
40. **Celis-Diez JL**, J Díaz-Forestier, M Márquez-García, S Lazzarino, R Rozzi & JJ Armesto (2016) Biodiversity Knowledge Loss in Children's books and texts. **Frontiers in Ecology and the Environment** 14: 408-410; doi: 10.1002/fee.1324
41. Díaz-Forestier J, M Gómez, **JL Celis-Diez** & Gloria Montenegro (2016) Nectary structure of four melliferous plants native to Chile. **Flora - Morphology, Distribution, Functional Ecology of Plants** 221: 100–106; doi: 10.1016/j.flora.2016.02.013
42. Bustos V, P Mondaca, J Verdejo, S Sauvé, H Gaete, **JL Celis-Diez** & A Neaman (2015) Thresholds of arsenic toxicity to *Eisenia fetida* in field-collected agricultural soils exposed to copper mining activities in Chile. **Ecotoxicology and Environmental Safety** 122: 448–454; doi: 10.1016/j.ecoenv.2015.09.009
43. Díaz-Sieffer P, A Neaman, E Salgado, **JL Celis-Diez** & S Otto (2015) Human-environment system knowledge: A correlate of pro-environmental behavior. **Sustainability** 7: 15510-15526; doi: 10.3390/su71115510.
44. Valencia D, C Torres, R Camps, E Lopéz, **JL Celis-Diez** & X Besoain (2015) Botryosphaeriaceae conidial dissemination in vineyard with Mediterranean semi-arid climate in the Valparaíso Region of Chile. **Phytopathologia Mediterranea** 54: 394-402.

Otras Publicaciones no indexadas

Muñoz C & JL Celis-Diez (2016) Observación de peuquito (*Accipiter chilensis*) depredando palomas (*Columba livia*) en un parque urbano de la zona oriente de Santiago, Chile. *Revista Chilena de Ornitología* (en prensa).

II. EXPERIENCIA EN PROYECTOS DE INVESTIGACION (2015 – presente)

Proyectos con fondos concursables

2022 – 2024 **Investigador asociado FIBN N°001/2021**. Efectos de tratamientos silviculturales y de cosecha de agua en la provisión de servicios ecosistémicos del espinal en un contexto de megasequía. Fondo de Investigación del Bosque Nativo. PI. Dr Jorge Pérez (U de Chile)

2021 – 2023 **Investigador asociado FIA PYT-2020-0250**. Desarrollo de atrayente artificial como insumo para la implementación de estrategia de manejo de la polinización en huertos de palta var. Hass de la región de Valparaíso. Fondo de Innovación Agraria, PI Dr. Jaime Martínez (INIA La Cruz).

2021 - 2022 **Investigador Asociado FSEQ210033**. National Diagnosis of Drought Impacts on Chilean Beekeeping: A Basis for Decision making and Adaptation Plans to Climate Change. Fondo de Investigación Estratégica en Sequía ANID. PI Dr. Ariel Muñoz

2021 - 2022 **Investigador asociado FOVI210049**. Desarrollo de redes internacionales a través de la formación de capital humano avanzado en intensificación ecológica para sistemas agrícolas de la Región de Valparaíso. Concurso Vinculación Internacional para Instituciones de Investigación regionales, ANID.

2019 - 2022 **PI CONICYT-PIA ACT192027**. Ecological intensification: Integrating knowledge of ecosystem services to promote sustainable agriculture in Chile. Concurso Anillos de investigación en Ciencia y Tecnología y Ciencia Antártica 2019, ANID.

2018 - 2021 **PI Ecos-CONICYT ECOS180008**. Ethnobiology and ecology of smallholder cattle production: can cattle help conservation and adaptation. Programa ECOS-ANID

2020 - 2021 **Investigador Asociado** Núcleo de Investigación en Soluciones de base Natural para Desafíos Ambientales Emergentes. Vicerrectoría de Investigación y Estudios Avanzados PUCV

2018 **Co-PI Rufford Foundation small grant.** Winter huddling and kinship in the marsupial *Dromiciops gliroides*. PI Dra. Jennifer Hetz (PUCV)

2017 - 2018 **Senior Research (Chile) Newton Fund Researcher Links Workshop (2017-RLWK9-359504307).** Biodiversity conservation and ecosystem services provision to improve economic, environmental and social performance in smallholder farms.

2016 - 2017 **SEREMI Región Metropolitana 608897-52-LE16.** Planificación ecológica y propuesta de infraestructura ecológica, incluyendo objetivos ambientales zonificados para protección, restauración y uso sustentable de la biodiversidad y sus servicios ecosistémicos.

2016 - 2017 **SEREMI Región de Valparaíso. Res. Ex. N° 1090** del 17 de Octubre 2016. Piloto de "Recuperación de suelos degradados mediante técnicas de Fito-estabilización en la localidad de La Greda, comuna de Puchuncaví.

2016 **IR DI PUCV 039364/2016** - Diversidad de carnívoros en predios vitivinícolas de la zona central de Chile: Importancia de corredores biológicos y vegetación nativa remanente.

2015 – (2016) **Co-PI CORFO: Voucher de Innovación 15VIP-43866.** SUNBLOCK, nuevo protector solar orgánico para mejorar la productividad de la fruticultura chilena frente al cambio climático global.