



ANEXO 2

PUBLICACIONES 2024

Red de Ambiente y Sustentabilidad

Artículos indizados en JCR (Thomson Reuters)

1. **Lithgow, D.**, Von Thaden, J. J., Revollo-Fernández, D. A., Salazar-Vargas, M. D. P., Rodríguez de los Santos, A. (2024). Assessing the Feasibility and Socioecological Benefits of Climate-Smart Practices at the Watershed Scale. *Sustainability*. 16(7), 2852. <https://doi.org/10.3390/su16072852>. **FI 3.3.**
2. Von Thaden, J. J., **Lithgow, D.**, Revollo-Fernández, D. A., Salazar-Vargas, M. D. P., Rodríguez de los Santos, A. (2024). The Effects of Implementing Three Climate-Smart Practices with an Integrated Landscape Approach on Functional Connectivity and Carbon Storage. *Land*. 13(3), 389. <https://doi.org/10.3390/land13030389>. **FI 3.2.**
3. Guillén-Rodríguez, Y. G., Chapa-Vargas, L., **Ibarra-Juárez, L. A., Ibáñez-Bernal, S.**, Santiago-Alarcón, D. (2023). The influence of humidity and temperature on the vertical richness and abundance of blood-sucking flies (Culicidae and Ceratopogonidae) in a montane cloud forest in Mexico. *Journal of Vector Ecology*. 49(1). <https://doi.org/10.52707/1081-1710-49.1.1>. **FI 1.4.**
4. Eldridge, D. J., Ding, J., Dorrough, J., Delgado-Baquerizo, M., Sala, O., Gross, N., Le Bagousse-Pinguet, Y., ... , **Reyes-Gómez, V. M.**, ... , Maestre, F. T. (2024). Hotspots of biogeochemical activity linked to aridity and plant traits across global drylands. *Nat. Plants*. 10(5), 760-770. <https://doi.org/10.1038/s41477-024-01670-7>. **FI 15.8.**
5. King, S., Agra, R., Zolyomi, A., Keith, H., Nicholson, E., de Lamo, X., Portela, R., Obst, C., Alam, M., Honzák, M., Valbuena, R., Nunes, P., Santos-Martin, F., Equihua, M., **Pérez-Maqueo, O.**, Javorsek, M., Alfieri, A., Brown, C. (2023). Using the system of environmental-economic accounting ecosystem accounting for policy: A case study on forest ecosystems. *Environmental Science*. **FI 4.9.**
6. Morteo-Montiel, S., **Bonilla-Moheno, M., Toledo-Aceves, T.** (2024). Identificación de áreas prioritarias para la restauración de bosques de montaña en la zona alta de la cuenca del río La Antigua, Veracruz. *Rev.Mex.Biodiv.* 95, e955342. <https://doi.org/10.22201/ib.20078706e.2024.95.5342>. **FI 0.8.**
7. Bazant-Fabre, O., Muñoz-Piña, C., **Martínez, M.L., Lithgow, D., Bonilla-Moheno, M.** (2024). Assessing the impact of three biosphere reserves on the conservation



- of coastal ecosystems. *Journal of Environmental Management*. 366, 121671. <https://doi.org/10.1016/j.jenvman.2024.121671>. **FI 8.**
8. Revollo-Fernández, D. A., **Lithgow, D.**, Von Thaden, J. J., Salazar-Vargas, M. D. P., Rodríguez de los Santos, A. (2024). Unlocking Local and Regional Development through Nature-Based Tourism: Exploring the Potential of Agroforestry and Regenerative Livestock Farming in Mexico. *Economies*. 12(6), 137. <https://doi.org/10.3390/economies12060137>. **FI 2.1.**
 9. Benítez, G., Estrada-Contreras, I., **Lascurain-Rangel, M.**, Gómez-Díaz, J. A., Falfán, I., Quiroz-Guerrero, I., **Equihua, M.** (2024). Potential distribution of wild edible fruit trees under climate change scenarios: promoting food security in a Neotropical region. *Reg Environ Change*. 24(2). <https://doi.org/10.1007/s10113-024-02231-6>. **FI 3.4.**
 10. Ortiz-Zárate, R. J., Rangel-Negrín, A., Coyohua-Fuentes, A., **Ibáñez-Bernal, S.**, Cristóbal-Azkarate, J., Diaz, P. A. D. (2024). Bot fly parasitism in mantled howler monkeys (*Alouatta palliata*): General patterns and climate influences. *American J Primatol*. 86(11). <https://doi.org/10.1002/ajp.23680>. **FI 2.**
 11. Mendez-Andrade, A., Rebollar-Téllez, E. A., **Ibáñez-Bernal, S.** (2024). Habitat Anthropization and Seasonality Affect the Assemblage and Diversity of *Culicoides*1 in Central Veracruz, Mexico. *Southwestern Entomologist*. 49(3). <https://doi.org/10.3958/059.049.0321>. **FI 0.3.**
 12. Oca-Aguilar, A. C. M. D., Luna, E. D., **Ibáñez-Bernal, S.**, Rebollar-Téllez, E. A. (2024). Head shape variations between populations of the sand fly *Lutzomyia cruciata* (Diptera: Phlebotominae) from two Neotropical biogeographic provinces. *Zoologischer Anzeiger*. 313, 208-216. <https://doi.org/10.1016/j.jcz.2024.10.006>. **FI 1.2.**
 13. Guillén-Rodríguez, Y. G., Santiago-Alarcón, D., Chapa-Vargas, L., Suárez-Landa, M. T., **Albino-Miranda, S.**, **Ibáñez-Bernal, S.** (2024). Seasonal haemosporidian detection in mosquitoes (Diptera: Culicidae) and their interactions with vertebrate hosts in a Mexican cloud forest. *Parasitol Res*. 123(11). <https://doi.org/10.1007/s00436-024-08387-8>. **FI 1.8.**
 14. Rivera-García, K. D., **Ibáñez-Bernal, S.**, **Moreno-Casasola, P.** (2024). Tropical wetland-associated mosquitoes: species composition and implications for public health and ecosystem conservation. *Wetlands Ecol Manage*. 32(4), 553-570. <https://doi.org/10.1007/s11273-024-09991-2>. **FI 1.6.**
 15. R-Osorio, A., Bond, J. G., Moo-Llanes, D. A., Rebollar-Téllez, E. A., **Ibáñez-Bernal, S.**, Marina, C. F. (2024). Comparison of the diversity of phlebotomine sand flies (Diptera: Psychodidae) in two physiographic regions with different bioclimatic





- conditions and cutaneous leishmaniasis transmission. *Int J Trop Insect Sci.* 44(3), 1279-1295. <https://doi.org/10.1007/s42690-024-01240-6>. **FI 1.1.**
16. Sánchez-Landero, L. A., **Benítez-Badillo, G.**, Sangabriel-Conde, W., Alvarado-Castillo, G., Lagunes-Díaz, E. G. (2024). Surface deposits and intracellular concentration of atmospheric particles in foliage of urban forests in the Valley of Mexico. *Trees, Forests and People.* 15, 100492. <https://doi.org/10.1016/j.tfp.2023.100492>. **FI 2.7.**
 17. Díaz-Martínez, P., Maestre, F. T., Moreno-Jiménez, E., ... , **Reyes-Gómez, V. M.**, ... , Zhou, X., Plaza, C. (2024). Vulnerability of mineral-associated soil organic carbon to climate across global drylands. *Nat. Clim. Chang.* 14(9), 976-982. <https://doi.org/10.1038/s41558-024-02087-y>. **FI 30.3.**
 18. Gross, N., Maestre, F. T., ... , **Reyes-Gómez, V. M.**, ... , Le Bagousse-Pinguet, Y. (2024). Unforeseen plant phenotypic diversity in a dry and grazed world. *Nature.* 632(8026), 808-814. <https://doi.org/10.1038/s41586-024-07731-3>. **FI 50.5.**
 19. Velásquez-C, K. L., **Pérez-Maqueo, O.**, **Guevara, R.**, Verde Arregoitia, L. D., Munguía-Carrara, M. (2024). A systematic review of the role of terrestrial vertebrates in ecological integrity assessment. *Environmental and Sustainability Indicators.* 23, 100426. <https://doi.org/10.1016/j.indic.2024.100426>. **FI 5.4.**
 20. Corona-Salto, A., **Equihua, M.**, **Lara-Domínguez, A. L.**, **López-Portillo, J.** (2024). A Bayesian network approach to assess the ecosystem integrity of mangroves in Tampamachoco, Veracruz, Mexico. *MYB.* 30(4), e3042644. <https://doi.org/10.21829/myb.2024.3042644>. **FI 0.4.**
 21. Rivera-García, K. D., **Ibáñez-Bernal, S.** (2024). Species composition of two communities of Mexican crane flies (Diptera: Tipulomorpha: Tipuloidea) separated by a geographic barrier, with additional notes and new records. *Studies on Neotropical Fauna and Environment.* 59(3), 1065-1078. <https://doi.org/10.1080/01650521.2024.2322318>. **FI 0.8.**
 22. Abella-Medrano, C. A., Sandoval-Ruíz, C. A., **Ibáñez-Bernal, S.** (2024). Species Composition and Diversity of Mosquitoes¹ in Los Tuxtlas, Veracruz, Mexico. *Southwestern Entomologist.* 49(4). <https://doi.org/10.3958/059.049.0428>. **FI 0.3.**

Artículos publicados en revistas registradas en el SCRMCYT (CONAHCYT)

23. Hernández-Limonchi, M. D. P., Pérez-López, E. D., **Wence-Partida, N. E.** (2024). Doble identidad, doble condena: una mirada a la discriminación y desigualdad laboral de las personas indígenas LGTB+ en Cuetzalan del Progreso, Puebla. *Rev. Latinoam. Derecho Soc.*, 195-216. <https://doi.org/10.22201/ijj.24487899e.2023.37.18544>.





24. López Arcadia, C. A., **Bonilla-Moheno, M.** (2024). Importancia de las estimaciones por muestreo probabilístico para analizar dinámicas forestales regionales: una evaluación de los datos de Global Forest Change en el este de México. *Investigaciones Geográficas*. (113). <https://doi.org/10.14350/rig.60790>.
25. **Ibáñez-Bernal, S.** (2024). Claves actualizadas para la identificación morfológica de machos y hembras de las especies de Phlebotominae (Diptera: Psychodidae) conocidas en México. *Acta Zool. Mex.* (n.s.), 1-55. <https://doi.org/10.21829/azm.2024.4012693>.
26. **Villaseñor-Sánchez, E. I.**, Soto Sánchez, A. P. (2024). Desafíos y oportunidades en la gobernanza de áreas verdes urbanas: el caso del Parque Ecológico El Crestón en Oaxaca, México. *SyA*. (27), 1-29. <https://doi.org/10.31840/sya.v2024i27.2905>.
27. **Rivera-Núñez, T.**, Arce-Ibarra, A. M. (2024). A transdisciplinary approach to address the exclusion processes of the food regime for Mexico's small-scale fishers and farmers. *ID*. 12(33), 273-296. <https://doi.org/10.22201/ceiich.24485705e.2024.33.88249>.

Artículos publicados en revistas arbitradas no consideradas en índices JCR y CONAHCYT

28. Saldaña-Vázquez, R. A., Sandoval-Ruiz, C. A., **Ibáñez-Bernal, S.** (2024). La disminución de la abundancia relativa de murciélagos (Phyllostomidae) reduce la diversidad de sus moscas parásitas (Streblidae). *Mastozool. Neotrop.* 31(1), 001-008. <https://doi.org/10.31687/saremmn.24.31.01.21.e0985>.
29. Falfán, I., **Bonilla-Moheno, M.**, Vázquez, L., MacGregor-Fors, I. (2024). A Tree-Prone Community: Residential and Street Tree Planting and Care in the Neotropical City of Xalapa, Mexico. *isa*. 50(4), 286-300. <https://doi.org/10.48044/jauf.2024.011>.
30. **Rivera-Núñez, T.**, Castro-Salcido, E. (2024). Defensa territorial de la biodiversidad por pueblos indígenas en América Latina: vías legales y espacialidades alternativas. *Ecología Política. Cuadernos de Debate Internacional*. 66, 26-34.
31. Alavez-Chávez, J. J., Oca-Aguilar, A., Sánchez-Montes, S., **Ibáñez-Bernal, S.**, Huerta-Jiménez, H., Romero-Salas, D., Cruz-Romero, A., Aguilar-Domínguez, M. (2024). DNA Barcoding of Tabanids (Diptera: Tabanidae) from Veracruz, Mexico, with Notes on Morphology and Taxonomy. *Taxonomy*. 4(4), 862-880. <https://doi.org/10.3390/taxonomy4040046>.
32. Ramírez, F., **Lascurain-Rangel, M.**, **González-Hernández, C.**, García-Campos, H., Avendaño-Reyes, S., Sánchez-Trinidad, L., Covarrubias-Báez, M. (2024). Los



quelites de las regiones bioculturales de Veracruz con énfasis en los nuntajiiyi (popolucas) y nahuas de la sierra de santa marta. Etnobiología. 22, 126-149.

Capítulo de libro

33. Bravo-Peña, L. C., Torres-Olave, M.E., **Reyes-Gómez, V.** (2024). Extensos llanos de pastizales y cielo azul. En Secretaría de Cultura de Cuauhtémoc, Chihuahua(Ed), Región Valles Centrales. (pp. 19-27). Secretaría de Cultura de Chihuahua. ISBN 978-6078766499.
34. **Maganda-Ramírez, M. C.**, Aguilar-Cucurachi, M. S., **González-Hernández, C.** (2024). Dulce negra y salada, pero no potable. En María de Lourdes Hernández Rodríguez, Ignacio Ocampo Fletes y Ángel David Flores Domínguez(Ed), La crisis del agua en el siglo XXI: perspectivas y soluciones. (pp. 136-152). El Colegio de Tlaxcala. ISBN 978-607-7673-98-9.
35. Cabezas-Yanchapaxi, A. S., Muñoz-Robles, C. A., Hamhaber, J; **Bonilla-Moheno, M.** (2024). Análisis de teledetección del calor urbano en climas semiáridos: una herramienta para el desarrollo sostenible de la ciudad de San Luis Potosí. En Lemoine Rodríguez R, Pérez Vega A, Mas JF(Ed), Avances en el estudio de islas de calor urbano en América Latina. (pp. 47-82). Universidad Nacional Autónoma de México / Universidad de Guanajuato. ISBN 978-607-30-9293-7.
36. **Contreras-Hernández, H. A., Flores-Romero, C.** (2024). Investigación e incidencia en territorios cafetaleros. Primera etapa de un proceso transdisciplinario. En El Colegio de la Frontera Sur; CopIt-arXives(Ed), Investigación colaborativa desde la diversidad. Entretejiendo experiencias y reflexiones en la frontera sur de México. (pp. 183-211). ECOSUR. ISBN 978-607-8767-92-2.
37. **Contreras-Hernández, H. A.** (2024). Alternativas epistemológicas y derecho humano a la ciencia. En Cecilia Elizondo y Raymundo Espinoza Hernández(Ed), La política pública en ciencia. Reflexiones desde el pensamiento crítico. (pp. 75-88). CONAHCYT y Fondo de Cultura Económica. ISBN 978607168344-1.
38. Lugo-Castilla, S. L., **Rivera-Nuñez, T., Negrete-Yankelevich, S.** (2025). Food beyond the farm: significance of noncrop plants and mushrooms for food security of highland farming communities in Veracruz, Mexico. En Roland Ebel y Fabian Menalled(Ed), Agroecology of Edible Weeds and Noncrop Plants. (pp. 241-258). Academic Press of Elsevier. ISBN 978-0-443-16076-9.
39. De la Rosa Portilla, Andrés; Zapata Cuellar, Karina; **Dávalos-Sotelo, R.** (2024). Descripción socio-hidrológica del territorio desde los elementos de la sustentabilidad. En Laura C. Ruelas Monjardín(Ed), Adopción de innovaciones



- tecnológicas para la sustentabilidad de la cafecultura. (pp. 46-74). Instituto Tecnológico Superior de Xalapa. ISBN 978-607-8212-18-7.
40. **Dávalos-Sotelo, R., Zarate-Morales, R. P.** (2023). La experiencia de las revistas mexicanas del área forestal en el contexto internacional del siglo XXI. En Genaro Ruiz Flores González (Ed), La Ciencia Abierta en la edición académica. Las revistas iberoamericanas como marco de referencia. (pp. 51-61). Universidad Autónoma de Aguascalientes. ISBN 978-607-8909-90-2.
 41. Torres-Morales, G. F.; Castillo-Aguilar, S., Fox-Rivera, G., Landa-Ruiz, L., Lozano-Láez, D., **Dávalos-Sotelo, R.** (2024). Based on the results of seismic microzonation, seismic intensity maps for the conurbad area of Xalapa. En Fabrício Moraes de Almeida (Ed), O universo das ciências exatas e da terra e engenharias: teoria e aplicações. (pp. 45-57). Atena Editora. ISBN 978-65-258-2487-1.
 42. **Pedraza-López, J.** (2024). Aproximaciones al concepto de retribución social. En Universidad Autónoma Tlaxcala (Ed), Perspectivas para la retribución social. (pp. 52-61). Universidad Autónoma Tlaxcala. ISBN 978-607-545-109-1.
 43. **Pedraza-López, J.,** Romano-Garrido, R., Guarneros-Manoatl, H. (2024). El Programa Sembrando Vida: recuperación de saberes para el aprovechamiento sustentable del agave en la región Tlaxcala, Puebla e Hidalgo, 2021. En Erik Geovany González Cruz Flor Idalia Estopier Antonio (Ed), Territorio, poder y representación. (pp. 112-137). Universidad Autónoma Tlaxcala y HUIKA. ISBN 978-607-545-107-7.
 44. **Reyes-Gómez, V., Fuentes-Hernández, H.,** Ochoa-Rivero, J., Bravo-Peña, L., Ponce-García, O., De la Peña, I., Medina-Pedroza, W., Olgín-Gutiérrez, F. (2024). Estado actual de la Laguna de Bustillos y su impacto en el Valle Agrícola de Cuauhtémoc, Chihuahua. En Luis Reyes Muro, Jesús Manuel Ochoa Rivero, Mercedes Borja Bravo, Sergio Arellano Arciniega, Omar Castor Ponce García e Irma De La Peña Meraz (Ed), Aportaciones científico-tecnológicas para la agricultura Menonita, en Cuauhtémoc, Chihuahua. (pp. 115-132). INIFAP. ISBN 978-607-37-1722-9.

Libros

45. Martínez-Tagüña, N., Huber-Sannwald, E., Lauterio-Martínez, C. L., Lucatello, S., **Reyes-Gómez, V.** (2024). Zonas Áridas de México: Construcción de comunidades de Aprendizaje. ISBN 978-607-8953-35-6.
46. **Lithgow-Serrano, A.,** Chavéz, V., Von-Thaden, J., Romero-Urbe, H., Ramírez-Vargas, D., **González-Hernández, C.,** Silva, R. (2024). Diagnóstico integral de la





zona costera de la Península de Yucatán: una guía para tomadores de decisiones. ISBN 978-607-8833-18-4.

47. **García-Bustamante, R.**, Caporal-Guarneros, Y., Vázquez-Toríz, R., Rappo-Míguez, S., Ibarra-Mateos, M. (2024). Agricultura Urbana y periurbana en Puebla: encuentro de propuestas, iniciativas y experiencias. ISBN 978-607-8587-75-9.

Red de Red de Biodiversidad y sistemática

Artículos indizados en JCR (Thomson Reuters)

48. González-Solís, R., Mendoza, G., **Ramos, A., Bandala, V. M., Montoya, L.**, González-Bakker, A., Padrón, J. M., Lagunes, I., Trigos, Á. (2024). Antiproliferative and Antibacterial Activity of Polyporoid Fungi from Veracruz, Mexico. *Int J Med Mushrooms*. 26(5), 73-86. <https://doi.org/10.1615/intjmedmushrooms.2024052840>. **FI 1.4.**
49. **Castillo-Campos, G., García-Franco, J. G., Martínez, M. L., Vázquez, G., Pale-Pale, J. J.**, Zamudio-Pérez, M. R., **Pérez-Maqueo, O.** (2024). Assessing the impact of land use change on different components of plant diversity in a tropical montane cloud forest of Mexico. *Biodivers Conserv*. 33(4), 1523-1559. <https://doi.org/10.1007/s10531-024-02814-z>. **FI 3.**
50. **Novelo-Gutiérrez, R., Gómez-Anaya, J. A.** (2024). The rediscovery of *Epigomphus sulcatistyla* Donnelly, 1989, with a description of its larva and female (Odonata: Gomphidae). *Zootaxa*. 5446(1), 133-142. <https://doi.org/10.11646/zootaxa.5446.1.8>. **FI 0.8.**
51. Gamboa-Becerra, R., **Montoya, L., Bandala, V. M., Monribot-Villanueva, J. L., Guerrero-Analco, J. A., Ramos, A.** (2024). Metabolomic profiling, nutritional parameters and potential bioactive metabolites of the edible mushroom *Tricholoma mesoamericanum*. *Int J of Food Sci Tech*. 59(6), 4348-4358. <https://doi.org/10.1111/ijfs.17121>. **FI 2.6.**
52. Cerón-Gómez, R., Márquez, J., **Ramírez-Ponce, A.**, Martínez-Falcón, A. P., Castellanos, I. (2024). Diversity of carabids (Coleoptera: Carabidae) from the state of Hidalgo, Mexico, determined using two complementary approaches. *Biologia*. 79(5), 1367-1377. <https://doi.org/10.1007/s11756-024-01625-5>. **FI 1.4.**
53. **Ramírez-Ponce, A.**, Delgado, L., **Mora-Aguilar, E. F.**, Curoe, D. J., Zaragoza-Caballero, S. (2024). *Pulchrotes*, nuevo subgénero de *Paranomala* (Coleoptera: Scarabaeidae: Rutelinae) y descripción de dos especies nuevas de México y América Central. *Rev.Mex.Biodiv*. 95, e955314. <https://doi.org/10.22201/ib.20078706e.2024.95.5314>. **FI 0.8.**





54. Márquez-López, Y., Martins, C. C., Guevara-Chumacero, L. M., **Ramírez-Ponce, A.**, Contreras-Ramos, A. (2024). Comparative morphology of male genitalia in antlions (Insecta, Neuroptera, Myrmeleontidae), with emphasis on owlflies (Ascalaphinae) and a possible structural evolutionary scenario. *Journal of Morphology*. 285(5). <https://doi.org/10.1002/jmor.21701>. **FI 1.5.**
55. Báez-Santacruz, J., Alarcón-Gutiérrez, E., **Reynoso-Velasco, D.**, Figueroa, J. I., Pineda, S. (2024). Life history and descriptions of developmental stages of *Pycnoderes quadrimaculatus* Guérin-Ménéville, 1857 (Hemiptera: Heteroptera: Miridae). *The Pan-Pacific Entomologist*. 100(2). <https://doi.org/10.3956/2024-100.2.104>. **FI 0.6.**
56. **Hernández-Cárdenas, R. A.**, Flores-Argüelles, A., Espejo-Serna, A., López-Ferrari, A. R., Carranza-Rodríguez, J. C., Lara-Godínez, S. A. L. (2024). *Tillandsia tequilana* (Tillandsioideae; Bromeliaceae), a new saxicolous species from Jalisco, México. *Phytotaxa*. 659(2), 105-111. <https://doi.org/10.11646/phytotaxa.659.2.1>. **FI 1.**
57. **Hernández-Cárdenas, R. A.**, Flores-Argüelles, A., Espejo-Serna, A., López-Ferrari, A. R., Siekkinen, A. (2024). *Hechtia marabascoensis* (Hechtioideae; Bromeliaceae), a novelty from Colima and Jalisco, México. *Phytotaxa*. 659(1), 87-96. <https://doi.org/10.11646/phytotaxa.659.1.7>. **FI 1.**
58. **Hernández-Cárdenas, R. A.**, Espejo Serna, A., López-Ferrari, A. R., Valenzuela-Galván, D., Lara-Godínez, S. A. L., Siekkinen, A. (2024). *Hechtia cerrostlatilpae* (Hechtioideae; Bromeliaceae), a new species from Morelos, Mexico. *Botanical Sciences*. 102 (4), 1353-1362. **FI 1.1.**
59. Schneider, T., Vierstraete, A., Kosterin, O. E., Ikemeyer, D., Hu, F., **Novelo-Gutiérrez, R.**, Kompier, T., Everett, L., Müller, O., Dumont, H. J. (2024). Molecular Phylogeny of the Family Cordulegastridae (Odonata) Worldwide. *Insects*. 15(8), 622. <https://doi.org/10.3390/insects15080622>. **FI 2.7.**
60. **Novelo-Gutiérrez, R.**, Bota-Sierra, C. A. (2024). Description of the larvae of *Epigomphus rufus* Bota-Sierra & Novelo-Gutiérrez, 2020, and *E. brillantina* Bota-Sierra & Novelo-Gutiérrez, 2020 (Odonata: Gomphidae). *Zootaxa*. 5506 (1), 093-103. <https://doi.org/10.11646/zootaxa.5506.1.5>. **FI 0.8.**
61. Mathieu, J., Reynolds, J. W., **Fragoso, C.**, Hadly, E. (2024). Multiple invasion routes have led to the pervasive introduction of earthworms in North America. *Nat Ecol Evol*. 8(3), 489-499. <https://doi.org/10.1038/s41559-023-02310-7>. **FI 14.1.**
62. Jamieson, B. G. M., **Fragoso, C.** (2024). A monograph of the Oligochaete family Alluroididae. *Zootaxa*. 5529(3), 401-435. <https://doi.org/10.11646/zootaxa.5529.3.1>. **FI 0.8.**
63. Gutiérrez-Domínguez, E., **Montoya, L.**, **Ramos, A.**, Andrade-Torres, A., Noa-Carrazana, J. C., Ortiz-Ceballos, Á. I., **Bandala, V. M.** (2024). Two new species of





- Phylloporus (Boletaceae) from the montane cloud forest of Eastern Mexico. Phytotaxa. 668(1), 44-62. <https://doi.org/10.11646/phytotaxa.668.1.3>. **FI 1.**
64. **Arias, R.,** Torres, A., Perea, Y., Cruz, Y. (2024). Biosolubilization of phosphate by strains of Trichoderma in vitro and in greenhouse in three varieties of Coffea arabica. RevFacAgron(LUZ). 41(4), e244241. [https://doi.org/10.47280/revfacagron\(luz\).v41.n4.10](https://doi.org/10.47280/revfacagron(luz).v41.n4.10). **FI 0.5.**
65. Hyde, K., ..., **Arias, R., ..., Heredia, G., ..., Zvyagina, E.** (2024). The 2024 Outline of Fungi and fungus-like taxa. Mycosphere. 15(1), 5146-6239. <https://doi.org/10.5943/mycosphere/15/1/25>. **FI 10.**
66. Shen, M., Van-Klink, ..., **Novelo-Gutiérrez, R., ..., Chase, J. M.** (2024). FreshLanDiv: A Global Database of Freshwater Biodiversity Across Different Land Uses. Global Ecol Biogeogr. 33(12). <https://doi.org/10.1111/geb.13917>. **FI 6.3.**
67. Gamboa-Becerra, R., **Monribot-Villanueva, J. L., Carrión, G., Guerrero-Analco, J. A., Desgareñes, D.** (2024). Exploring the Exo-Metabolomes and Volatile and Non-Volatile Compounds of Metarhizium Carneum and Lecanicillium Uredinophilum. Chemistry. 21, e202401259. <https://doi.org/10.1002/cbdv.202401259>. **FI 2.3.**
68. Julián-Caballero, C. C., De los Santos-Romero, R., **Ramírez-Ponce, A.,** García-Guerrero, M. U. (2024). Morphological variations in relation to sex and habitat in southern Mexico populations of the longarm river prawn Macrobrachium tenellum (Smith, 1871) (Decapoda: Caridea: Palaemonidae). Journal of Crustacean Biology. 44(4). <https://doi.org/10.1093/jcabi/ruae071>. **FI 1.2.**
69. Bota-Sierra, C. A., Cordero-Rivera, A., **Novelo-Gutiérrez, R.,** Sánchez-Herrera, M., Londoño, G. A. (2024). Can High Temperatures Affect Body Size in Insects? The Case of Rubyspot Damselflies in the Colombian Western Andes. Diversity. 16(12), 743. <https://doi.org/10.3390/d16120743>. **FI 2.1.**
70. **Vega-Badillo, V., Ramírez-Ponce, A.,** Zaragoza-Caballero, S. (2023). Halffterus, a new genus (Coleoptera: Phengodidae, Mastinocerinae) from Peru. Studies on Neotropical Fauna and Environment. 59(3), 699-706. <https://doi.org/10.1080/01650521.2023.2240443>. **FI 0.8.**
71. **Vega-Badillo, V., Hernández-Ortiz, V., Valenzuela-González, J. E., Novelo-Gutiérrez, R., Ibáñez-Bernal, S., Reynoso-Velasco, D.** (2024). Catalogue of the types of Diptera, Hemiptera, Hymenoptera, Odonata, and Strepsiptera in the IEXA Entomological Collection at Instituto de Ecología, A. C. Zootaxa. 5551(3), 401-452. <https://doi.org/10.11646/zootaxa.5551.3.1>. **FI 0.8.**
72. Rodríguez-Gutiérrez, I., Delgado-Zúñiga, J. P., **Heredia-Abarca, G.** (2024). Nuevos registros de micromicetos saprobios asexuales lignícolas en Quercus (Fagaceae)



para México. Acta Bot. Mex. (131). <https://doi.org/10.21829/abm131.2024.2355>. **FI 0.7.**

73. **Ramírez-Ponce, A.**, Zaragoza-Caballero, S, Seidel, M. (2023). Geometric morphometry enables species hypotheses testing and the assignment of historical type specimens in the genus *Callirhinus* Blanchard (Coleoptera: Scarabaeidae: Anomalini). Zoological Journal of the Linnean Society. 202(2), zlad172. <https://doi.org/10.1093/zoolinlean/zlad172>. **FI 3.**
74. Moctezuma, V., Lizardo, V., Arias-Del Razo, I., **Ramírez-Ponce, A.** (2024). Overcoming the Wallacean shortfall in sky-islands of central Mexico: the case of copro-necrophagous beetles and two national parks. J Insect Conserv. 28(4), 777-785. <https://doi.org/10.1007/s10841-024-00598-9>. **FI 1.9.**

Artículos publicados en revistas arbitradas no consideradas en índices JCR y CONAHCYT

75. **Arias-Mota, R.** (2024). Aprendizaje basado en proyectos en el Jardín "Farmacia Viva" del Instituto Tecnológico Superior de Xalapa, México. Revista Insignare Scientia. 7, 160-176.
76. **Novelo-Gutiérrez, R., Gómez-Anaya, J.** (2024). Los odonatos del bosque mesófilo de montaña de Cuetzalan, Puebla, México, con una clave para los imagos (Insecta: Odonata). Dugesiana. 3182), 101-123.
77. **Arias-Mota, R.**, De la Cruz-Elizondo, Y., Ruelas-Monjardín, L. C., Perea-Rojas, Y. D. C. (2024). Dominant Morphotypes of Native Arbuscular Mycorrhizal Fungi from Coffee Plantations and Their Propagation with Trap Plants. IJPB. 15(3), 744-756. <https://doi.org/10.3390/ijpb15030054>.
78. **Arias-Mota, R.**, Cruz-Cruz, J. R., Hernández-Castellanos, B., De la Cruz-Elizondo, Y. (2024). Bioprospección de hongos filamentosos en suelos contaminados con hidrocarburos en Villa Hermosa, Álamo, Veracruz. Aristas Ciencia Básica y aplicada. 11(19), 23-28.
79. Brown, G. G., Bartz, M. L., James, S. W., Csuzdi, C., Marchán, D. F., **Fragoso, C.**, Nxele, T., Chang, C. (2024). An appeal to soil invertebrate collectors: don't discard your [earthworm] samples, forward them! Biodiversity. 25(4), 317-323. <https://doi.org/10.1080/14888386.2024.2402761>.
80. Carrillo-Lara, D. E., **Novelo-Gutiérrez, R.** (2024). New records and localities of Odonata from Zacatecas, Mexico. Notulae odonatologicae. 10(4). <https://doi.org/10.60024/nodo.v10i4.a4>.

Capítulo de libro



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81. De la Cruz-Elizondo, Y., **Arias-Mota, R.**, Pérez-Pérez, L. (2024). Propuestas de obras de conservación del suelo y agua para una cafecultura sustentable en Jilotepec, Veracruz. En Laura Celina Ruelas Monjardín (Ed), Adopción de innovaciones tecnológicas para la sustentabilidad de la cafecultura. (pp. 186-219). Instituto Tecnológico Superior de Xalapa. ISBN 978-607-8212-18-7.
82. Alejandro-Apolinar, A., Amores-Pérez, H., García-González, I., **Arias Mota, R.**, De la Cruz-Elizondo, Y. (2024). Diseño de una aplicación móvil para la evaluación de las características del suelo. En Laura Celina Ruelas Monjardín (Ed), Adopción de innovaciones tecnológicas para la sustentabilidad de la cafecultura. (pp. 161-184). Instituto Tecnológico Superior de Xalapa. ISBN 978-607-8212-18-7.
83. **Reynoso-Velasco, D.** (2024). Family Naucoridae Leach, 1815. En Hassan Ghahari, Pierre Moulet & J.E. McPherson (Ed), True Bugs (Heteroptera) of the Middle-East. (pp. 245-251). Springer. ISBN 978-981-97-1816-0.
84. **Arias-Mota, R.**, Ruelas Monjardín, L., De la Cruz-Elizondo, Y. (2024). Innovaciones tecnológicas sustentables desde la bioquímica. En Escuela Internacional de Negocios y Desarrollo Empresarial de Colombia – EIDEC Centro de Investigación Científica, Empresarial y Tecnológica de Colombia – CEINCET Red de Investigación en Educación, Empresa y Sociedad – REDIEES (Ed), DESAFIOS CONTEMPORANEOS EN INVESTIGACIÓN. (pp. 55-79). Eidec. ISBN 978-628-96622-1-4.

Libros

85. **Novelo-Gutiérrez, R.**, Sites, R. (2024). The dragonfly nymphs of Thailand (Odonata: Anisoptera). An identification guide to families and genera. ISBN 978-3-031-33711-6

Red de Biología Evolutiva

Artículos indizados en JCR (Thomson Reuters)

86. Moctezuma, V., **Espinosa-De los Monteros, A.**, Halfpeter, G. (2024). Phylogenetic analyses of the subfamily Scarabaeinae (Coleoptera: Scarabaeidae) provide new insights into the Mexican Transition Zone theory. Zootaxa. 5415(4), 501-528. <https://doi.org/10.11646/zootaxa.5415.4.1>. **FI 0.8.**
87. Cobb, N. E., Mason, S. M., Tompkins, K., Fitch-Brown, M., **Rios-Cardenas, O.**, Morris, M. R. (2024). Strength of female mate preferences in temperature manipulation study supports the signal reliability hypothesis. PLoS ONE. 19(6), e0303691. <https://doi.org/10.1371/journal.pone.0303691>. **FI 2.9.**





88. Carmona-Higuaita, M. J., Mendieta-Leiva, G., Gómez-Díaz, J. A., **Villalobos, F.**, Ramos, F. N., Elias, J. P. C., Jiménez-López, D. A., Zuluaga, A., Holst, B., Kessler, M., Mathieu, G., Zizka, A., Zotz, G., Krömer, T. (2023). Conservation status of vascular epiphytes in the neotropics. *Biodivers Conserv.* 33(1), 51-71. <https://doi.org/10.1007/s10531-023-02730-8>. **FI 3.**
89. Hernández-Córdoba, D., Torres-Romero, E. J., **Villalobos, F.**, Chapa-Vargas, L., Santiago-Alarcon, D. (2024). Energy input, habitat heterogeneity and host specificity drive avian haemosporidian diversity at continental scales. *Proc. R. Soc. B.* 291(2018). <https://doi.org/10.1098/rspb.2023.2705>. **FI 3.8.**
90. Comte, L., Bertrand, R., Diamond, S., Lancaster, L. T., Pinsky, M. L., Scheffers, B. R., Baecher, J. A., Bandara, R. M. W. J., Chen, I., Lawlor, J. A., Moore, N. A., Oliveira, B. F., Murienne, J., Rolland, J., Rubenstein, M. A., Sunday, J., Thompson, L. M., **Villalobos, F.**, Weiskopf, S. R., Lenoir, J. (2024). Bringing traits back into the equation: A roadmap to understand species redistribution. *Global Change Biology.* 30(4). <https://doi.org/10.1111/gcb.17271>. **FI 10.8.**
91. Lawlor, J. A., Comte, L., Grenouillet, G., Lenoir, J., Baecher, J. A., Bandara, R., Bertrand, R., Chen, I., Diamond, S. E., Lancaster, L. T., Moore, N., Murienne, J., Oliveira, B. F., Pecl, G. T., Pinsky, M. L., Rolland, J., Rubenstein, M., Scheffers, B. R., Thompson, L. M., van Amerom, B., **Villalobos, F.**, Weiskopf, S. R., Sunday, J. (2024). Mechanisms, detection and impacts of species redistributions under climate change. *Nat Rev Earth Environ.* 5(5), 351-368. <https://doi.org/10.1038/s43017-024-00527-z>. **FI 49.7.**
92. Calderón del Cid, C., **Villalobos, F.**, Dobrovolski, R., Carrillo, J. D., Silvestro, D., Vilela, B. (2024). The Clade Replacement Theory: a framework to study age-dependent extinction. 37(3), 290-301. <https://doi.org/10.1093/jeb/voae012>. **FI 2.1.**
93. Swaegers, J., De Cupere, S., Gaens, N., Lancaster, L. T., Carbonell, J. A., **Sánchez Guillén, R. A.**, Stoks, R. (2023). Plasticity and associated epigenetic mechanisms play a role in thermal evolution during range expansion. 8(1), 76-88. <https://doi.org/10.1093/evlett/qrac007>. **FI 3.8.**
94. Cordero-Rivera, A., **Sánchez-Guillén, R. A.** (2024). Contrasting female colour morph frequencies between *Ischnura genei* and *I. saharensis* populations (Odonata: Coenagrionidae). *Odonatologica.* 53(1-2). <https://doi.org/10.60024/odon.v53i1-2.a5>. **FI 0.5.**
95. Morales-Saldaña, S., **Villafán, E.**, **Vásquez-Aguilar, A. A.**, Ramírez-Barahona, S., **Ibarra-Laclette, E.**, **Ornelas, J. F.** (2024). The complete chloroplast genome sequence of *Psittacanthus schiedeana* (Cham. & Schltdl.) G.Don. (Santalales: Lorantheaceae), the first plastome of a mistletoe species in the *Psittacanthaceae* tribe. *Mitochondrial DNA B Resour.* 9(1), 5-10 **FI 0.5.**



96. **Ornelas, J. F.**, Galicia, S., **Vásquez-Aguilar, A. A.**, **Vovides, A. P.** (2023). Fruit anatomy and seedlings of the mistletoe *Psittacanthus schiedeana* (Loranthaceae). *Botany*. 102(3), 147-159. <https://doi.org/10.1139/cjb-2023-0031>. **FI 1.**
97. Lagos-Báez, K., Licona-Vera, Y., Gómez-Domínguez, H., **Ornelas, J. F.**, **Vásquez-Aguilar, A. A.**, Hurtado-Reveles, L., Ortiz-Rodriguez, A. E. (2024). Genetic and morphological differentiation among populations of the narrowly endemic and karst forest-adapted *Pilea pteridophylla* (Urticaceae). *Org Divers Evol*. 24(2), 149-162. <https://doi.org/10.1007/s13127-024-00638-x>. **FI 1.9.**
98. Mastretta-Yanes, A., ..., **Ornelas, J. F.**, ..., L., Hoban, S. (2024). Multinational evaluation of genetic diversity indicators for the Kunming-Montreal Global Biodiversity Framework. *Ecology Letters*. 27(7). <https://doi.org/10.1111/ele.14461>. **FI 7.6.**
99. **Ornelas, J. F.**, Lara, C., Morales-Saldaña, S., **Vásquez-Aguilar, A. A.**, Angulo, D. F., Ruiz-Sanchez, E., Molina-Freaner, F., Gándara, E., Galicia, S., **Vovides, A. P.**, **Sosa, V.** (2024). Insights into mistletoe seed germination: A study of hemiparasitic *Psittacanthus* Mart. (Santalales: Loranthaceae) mistletoes. *Flora*. 316, 152527. <https://doi.org/10.1016/j.flora.2024.152527>. **FI 1.7.**
100. Jiménez-Guevara, C. D., Rodríguez-Estrella, R., Martínez-Meyer, E., Navarro-Sigüenza, A. G., **Ornelas, J. F.**, Garcillán, P. P. (2024). Geographical and ecological allopatry effects on niche change in two sister species pairs of hummingbirds in western North America. *Journal of Arid Environments*. 224, 105236. <https://doi.org/10.1016/j.jaridenv.2024.105236>. **FI 2.6.**
101. **Ornelas, J. F.**, Galicia, S., Ruiz-Sanchez, E., Lara, C., Molina-Freaner, F., **Vásquez-Aguilar, A. A.**, Gándara, E., Angulo, D. F., **Vovides, A. P.**, **Sosa, V.** (2024). Comparative fruit morphology of nine *Psittacanthus* Mart. (Santalales: Loranthaceae) mistletoe species occurring in Mexico. *Flora*. 319, 152585. <https://doi.org/10.1016/j.flora.2024.152585>. **FI 1.7.**
102. Barreto, E., ..., **Ornelas, J. F.**, Perret, M., Salinas, N. R., Smith, S. D., Vamosi, J. C., Varassin, I. G., Graham, C. H. (2024). Macroevolution of the plant-hummingbird pollination system. *Biological Reviews*. 99(5), 1831-1847. <https://doi.org/10.1111/brv.13094>. **FI 11.**
103. Brozzi, C., **Sánchez-Guillén, R. A.**, Cordero-Rivera, A. (2024). Vulvar spine and copulation duration: unravelling sexual conflict in *Ischnura* damselflies. *Animal Behaviour*. 216, 55-62. <https://doi.org/10.1016/j.anbehav.2024.08.006>. **FI 2.3.**
104. Latorre-Cárdenas, M. C., Hernández-Romero, P. C., **Gutiérrez-Rodríguez, C.**, **Porter-Bolland, L.** (2023). Evaluation of the human-otter conflict in central





- Veracruz, Mexico: recommendations for mitigation. Human Dimensions of Wildlife. 29(5), 496-512. <https://doi.org/10.1080/10871209.2023.2269957>. **FI 1.7.**
105. Langdon, Q. K., Groh, J. S., Aguillon, S. M., Powell, D. L., Gunn, T., Payne, C., Baczenas, J. J., Donny, A., Dodge, T. O., Du, K., Scharl, M., **Ríos-Cárdenas, O., Gutiérrez-Rodríguez, C.**, Morris, M., Schumer, M. (2024). Swordtail fish hybrids reveal that genome evolution is surprisingly predictable after initial hybridization. PLoS Biol. 22(8), e3002742. <https://doi.org/10.1371/journal.pbio.3002742>. **FI 7.8.**
106. Pérez-Farrera, M. Á., Martínez-Martínez, M. G., Moreno-Méndez, G., **Vovides, A. P.**, Gutiérrez-Ortega, J. S. (2024). Ceratozamia alba (Zamiaceae): A new cycad species from the Selva El Ocote Biosphere Reserve in Chiapas, Mexico. Phytotaxa. 666(4), 257-276. <https://doi.org/10.11646/phytotaxa.666.4.2>. **FI 1.**
107. Sánchez-Chávez, E., **Vovides, A. P.**, Castro-Castro, A., **Sosa, V.** (2024). Pollen morphology and fruit anatomy of the enigmatic monotypic genus Dicranocarpus (Coreopsidae, Asteraceae). Phytotaxa. 669(2), 75-86. <https://doi.org/10.11646/phytotaxa.669.2.1>. **FI 1.**
108. **Rojas-Soto, O.**, Forero-Rodríguez, J. S., Galindo-Cruz, A., **Mota-Vargas, C.**, Parra-Henao, K. D., Peña-Peniche, A., Piña-Torres, J., Rojas-Herrera, K., Sánchez-Rodríguez, J. D., Toro-Cardona, F. A., Trinidad-Domínguez, C. D. (2024). Calibration areas in ecological niche and species distribution modelling: Unravelling approaches and concepts. Journal of Biogeography. 51(8), 1416-1428. <https://doi.org/10.1111/jbi.14834>. **FI 3.4.**
109. Díaz-Vallejo, M., Peña-Peniche, A., **Mota-Vargas, C.**, Piña-Torres, J., Valencia-Rodríguez, D., Rangel-Rivera, C. E., Gaviria-Hernández, J., **Rojas-Soto, O.** (2024). Analyses of the variable selection using correlation methods: An approach to the importance of statistical inferences in the modelling process. Ecological Modelling. 498, 110893. <https://doi.org/10.1016/j.ecolmodel.2024.110893>. **FI 2.6.**
110. López-Reyes, K., Yáñez-Arenas, C., **Villalobos, F.** (2024). Exploring the causes underlying the latitudinal variation in range sizes: Evidence for Rapoport's rule in spiny lizards (genus Sceloporus). PLoS ONE. 19(7), e0306832. <https://doi.org/10.1371/journal.pone.0306832>. **FI 2.9.**
111. Galán-Acedo, C., Verde Arregoitia, L. D., Arasa-Gisbert, R., Auliz-Ortiz, D., Saldivar-Burrola, L. L., Gouveia, S. F., Correia, I., Rosete-Vergés, F. A., Dinnage, R., **Villalobos, F.** (2024). Global primary predictors of extinction risk in primates. Proc. R. Soc. B. 291(2032). <https://doi.org/10.1098/rspb.2024.1905>. **FI 3.8.**
112. De Ferran, V., Vieira Figueiró, H., Trinca, C. S., Hernández-Romero, P. C., Lorenzana, G. P., **Gutiérrez-Rodríguez, C.**, Koepfli, K., Eizirik, E. (2024). Genome-wide data support recognition of an additional species of Neotropical river otter



- (Mammalia, Mustelidae, Lutrinae). 105(3), 534-542. <https://doi.org/10.1093/jmammal/gyae009>. **FI 1.5.**
113. Dodge, T. O., Kim, B. Y., Baczenas, J. J., Banerjee, S. M., Gunn, T. R., Donny, A. E., Given, L. A., Rice, A. R., Haase Cox, S. K., Weinstein, M. L., Cross, R., Moran, B. M., Haber, K., Haghani, N. B., Machin Kairuz, J. A., Gellert, H. R., Du, K., Aguilon, S. M., Tudor, M. S., **Gutiérrez-Rodríguez, C., Rios-Cardenas, O.**, Morris, M. R., Schartl, M., Powell, D. L., Schumer, M. (2024). Structural genomic variation and behavioral interactions underpin a balanced sexual mimicry polymorphism. *Current Biology*. 34(20), 4662-4676.e9. <https://doi.org/10.1016/j.cub.2024.08.053>. **FI 8.1.**
 114. Ballén-Guapacha, A. V., Ospina-Garcés, S. M., Guevara, R., **Sánchez-Guillén, R. A.** (2024). Reproductive character displacement: insights from genital morphometrics in damselfly hybrid zones. *Heredity*. 133(5), 355-368. <https://doi.org/10.1038/s41437-024-00719-9>. **FI 3.1.**
 115. Rivera, J. D., **Espinoza-De los Monteros, A., Favila, M. E.** (2023). The ecological functions of dung beetles are shaped by multiple dimensions of diversity. *Insect Conserv Diversity*. 17(1), 102-111. <https://doi.org/10.1111/icad.12695>. **FI 3.2.**
 116. Galindo-Cruz, A., Sahagún-Sánchez, F. J., **López-Barrera, F., Rojas-Soto, O.** (2024). Recent changes in tropical-dry-forest connectivity within the Balsas Basin Biogeographic Province: potential effects on endemic-bird distributions. *NC*. 55, 177-199. <https://doi.org/10.3897/natureconservation.55.120594>. **FI 2.1.**
 117. Gutiérrez-Ortega, J. S., Pérez-Farrera, M. A., Sato, M. P., Matsuo, A., Suyama, Y., **Vovides, A. P.**, Molina-Freaner, F., Kajita, T., Watano, Y. (2024). Evolutionary and ecological trends in the Neotropical cycad genus *Dioon* (Zamiaceae): An example of success of evolutionary stasis. *Ecological Research*. 39(2), 131-158. <https://doi.org/10.1111/1440-1703.12442>. **FI 1.7.**
 118. Gutiérrez-Ortega, J. S., Pérez-Farrera, M. A., Matsuo, A., Sato, M. P., Suyama, Y., Calonje, M., **Vovides, A. P.**, Kajita, T., Watano, Y. (2023). The phylogenetic reconstruction of the Neotropical cycad genus *Ceratozamia* (Zamiaceae) reveals disparate patterns of niche evolution. *Molecular Phylogenetics and Evolution*. 190, 107960. <https://doi.org/10.1016/j.ympev.2023.107960>. **FI 3.6.**
 119. **Mota-Vargas, C., McCormack, J., Rojas-Soto, O.** (2024). Geographic variation in morphology and plumage within the Long-tailed Wood-Partridge (*Dendrortyx macroura*). *The Wilson Journal of Ornithology*. 135(4). <https://doi.org/10.1676/22-00041>. **FI 0.4.**
 120. Salazar-Miranda, R. I., Toro-Cardona, F. A., **Rojas-Soto, O.**, Sierra-Morales, P., Ríos-Muñoz, C. A., Almazán-Núñez, R. C. (2024). Critical habitats: climate change and habitat loss as drivers of change in the geographic ranges of Neotropical



- woodcreepers (Aves: Furnariidae) in Mexico. Reg Environ Change. 24(4). <https://doi.org/10.1007/s10113-024-02303-7>. **FI 3.4.**
121. Aja-Arteaga, A., Gutiérrez-Velázquez, A., Ortiz-Lozano, L., **Rojas-Soto, O.** (2024). Western Atlantic regionalization based on distributional congruence patterns of Scleractinian corals. Ocean & Coastal Management. 255, 107213. <https://doi.org/10.1016/j.ocecoaman.2024.107213> **FI 4.8.**
122. Papaqui-Bello, S. I., **Lira-Noriega, A., Guevara, R.** (2024). Ant Species Distribution Models Reveal Mixed Elevational Diversity Patterns in Complete Elevation Gradients: Past and Present Climatic Effects? Sociobiology. 71(2), e10503. <https://doi.org/10.13102/sociobiology.v71i2.10503>. **FI 0.7.**
123. Cicero, L., Chavarín-Gómez, L. E., Pérez-Ascencio, D., Barreto-Barriga, O., **Guevara, R.**, Desneux, N., Ramírez-Romero, R. (2024). Influence of Alternative Prey on the Functional Response of a Predator in Two Contexts: With and without Intraguild Predation. Insects. 15(5), 315. <https://doi.org/10.3390/insects15050315>. **FI 2.7.**
124. Juárez-Fragoso, M. A., Perroni-Ventura, Y., **Dáttilo, W.**, Gómez-Díaz, J. A., Hernández Gómez, I. U., **Guevara, R.** (2023). Identificando zonas potenciales para la conservación florística en el municipio de Tlaxicoyan, Veracruz, a partir de descriptores de paisaje y conectividad. MYB. 29(2), e2922507. <https://doi.org/10.21829/myb.2023.2922507>. **FI 0.4.**
125. Cordero-Rivera, A., Rivas-Torres, A., **Sánchez-Guillén, R. A.** (2024). Evolution in Islands: contrasting morph frequencies in damselfly populations of the Balearic Islands. . 143(2). <https://doi.org/10.1093/biolinnean/blad173>. **FI 2.**
126. Preising, G. A., Gunn, T., Baczenas, J. J., Powell, D. L., Dodge, T. O., Sewell, S. T., Pollock, A., Machin Kairuz, J. A., Savage, M., Lu, Y., Fitschen-Brown, M., Meyer, A., Scharf, M., Cummings, M., Thakur, S., Inman, C. M., **Ríos-Cardenas, O.**, Morris, M., Tobler, M., Schumer, M. (2024). Recurrent evolution of small body size and loss of the sword ornament in Northern swordtail fish. 78(12), 2017-2031. <https://doi.org/10.1093/evolut/qpae124>. **FI 3.1.**
127. Cadena-Zamudio, D. A., **Guevara, R.**, Ruiz-Guerra, B. (2024). Phenotypic plasticity and insect herbivory of trees in contrasting light environments in a Mexican rainforest. J. Trop. Ecol. 40. <https://doi.org/10.1017/s0266467424000233>. **FI 1.**
128. Riaño, K., Cuevas, R., Zuloaga-Aguilar, S., Jardel, E., **Briones, O.**, Asbjornsen, H. (2024). Assemblage of forest communities in subtropical montane forests of western Mexico. J. Trop. Ecol. 40. <https://doi.org/10.1017/s0266467424000014>. **FI 1.**





129. Peñalba, J. V., Runemark, A., Meier, J. I., Singh, P., Wogan, G. O., **Sánchez-Guillén, R.**, Mallet, J., Rometsch, S. J., Menon, M., Seehausen, O., Kulmuni, J., Pereira, R. J. (2024). The Role of Hybridization in Species Formation and Persistence. *Cold Spring Harb Perspect Biol.* 16(12), a041445. <https://doi.org/10.1101/cshperspect.a041445>. **FI 6.9.**
130. Patrón-Rivero, C., Osorio-Olvera, L., **Rojas-Soto, O.**, Chiappa-Carrara, X., Villalobos, F., Bessesen, B., López-Reyes, K., Yañez-Arenas, C. (2024). Global analysis of the influence of environmental variables to explain ecological niches and realized thermal niche boundaries of sea snakes. *PLoS ONE.* 19(12), e0310456. <https://doi.org/10.1371/journal.pone.0310456>. **FI 2.9.**
131. Manrique-Ascencio, A., Prieto-Torres, D. A., **Villalobos, F., Guevara, R.** (2024). Climate-driven shifts in the diversity of plants in the Neotropical seasonally dry forest: Evaluating the effectiveness of protected areas. *Global Change Biology.* 30(4). <https://doi.org/10.1111/gcb.17282>. **FI 10.8.**
132. Losapio, G., Doussot, B., Araniti, F., Bruno, L., **Guevara, R.**, Dirzo, R. (2024). Population persistence, phenotypic divergence, and metabolic adaptation in yarrow (*Achillea millefolium* L.). *Ecosphere.* 15(12). <https://doi.org/10.1002/ecs2.70146>. **FI 2.7.**

Artículos publicados en revistas registradas en el SCRMCT (CONAHCYT)

133. **González-Astorga, J.**, Medina-Villarreal, A. (2024). La evolución de dos géneros mexicanos de cícadras: *Dioon* y *Ceratozamia*. *Ciencias y Humanidades.* 13, 82-92.

Capítulo de libro

134. **Sánchez-Guillen, R.**, Arce-Valdés, L., Ballén-Guapacha, A., Ordaz-Morales, J., Stand- Pérez, M. (2024). Interspecific hybridization in insects in times of climate change. En Daniel González-Tokman & Wesley Dáttilo (Ed), *Effects of Climate Change on Insects: Physiological, Evolutionary, and Ecological Responses.* (pp. 133-156). Oxford University Press. ISBN 978-0192864161.

Red de Biología y Conservación de Vertebrados

Artículos indizados en JCR (Thomson Reuters)

135. **Mandujano, S., López-Tello, E.** (2022). Fruits of *Cyrtocarpa procera* Kunth (Anacardiaceae) as resource for medium to large-sized terrestrial mammals species in a tropical dry forest. *Studies on Neotropical Fauna and Environment.* 59(1), 132-140. <https://doi.org/10.1080/01650521.2022.2070097>. **FI 0.8.**





136. Zolá-Rodríguez, M., **García-Feria, M. L., González-Romero, A.** (2024). Population genetics of the endemic Large-crested toad (*Incilius cristatus*): a declining and critically endangered species. *Amphib.-Reptilia*. 45(2), 159-170. <https://doi.org/10.1163/15685381-bja10175>. **FI 1.**
137. Krivoruchko, K., Koblit, J. C., Goldshtein, A., Biljman, K., **Guillén-Servent, A., Yovel, Y.** (2024). A social foraging trade-off in echolocating bats reveals that they benefit from some conspecifics but are impaired when many are around. *Proc. Natl. Acad. Sci. U.S.A.* 121(30). <https://doi.org/10.1073/pnas.2321724121>. **FI 9.4.**
138. Badillo-Saldaña, L. M., **Pineda, E.,** Ramírez-Bautista, A. (2024). From tropical forest to agroecosystems: changes in functional and species diversity of lizards in Mexican Caribbean. *Agroforest Syst.* 98(5), 1181-1194. <https://doi.org/10.1007/s10457-023-00923-2>. **FI 2.**
139. Juárez-Ramírez, M. C., **Lira-Noriega, A.,** Manson, R. H., Nori, J., **Pineda, E.** (2024). Assessing the potential role of different land covers for conserving threatened amphibian diversity in a human-modified tropical mountain landscape. *Biological Conservation*. 299, 110790. <https://doi.org/10.1016/j.biocon.2024.110790>. **FI 4.9.**
140. Sandoval, E. D. P., Bernegossi, A. M., **Gallina, S.,** Reyna-Hurtado, R., Duarte, J. M. B. (2023). Cytogenetic, molecular, and morphological characterization of *Odocoileus pandora* (Merriam, 1901) (Artiodactyla, Cervidae). *Can. J. Zool.* 101(11), 967-979. <https://doi.org/10.1139/cjz-2022-0037>. **FI 1.**
141. Eppley, T. M., ..., **Serio-Silva, J. C.,** ..., Mittermeier, R. A. (2024). Tropical field stations yield high conservation return on investment. *Conservation Letters*. 17(2). <https://doi.org/10.1111/conl.13007>. **FI 7.7.**
142. Alvarez-Velázquez, M. F., González-Jáuregui, M., Miranda, S. A., Rosano-Ortega, G., Chapman, C. A., **Serio-Silva, J. C.** (2024). Lead exposure and its relationship with fecal cortisol levels in black howler monkeys (*Alouatta pigra*). *American J Primatol.* 86(4). <https://doi.org/10.1002/ajp.23600>. **FI 2.**
143. **Albino Miranda, S.,** Galindo Negrete, M. A., Sánchez Pérez, D. M., Vargas Bahena, N., **González-García, F., Serio-Silva, J. C.** (2024). Polymerase Chain Reaction (PCR) is a Useful and Low-Cost Tool for Molecular Sexing Psittaciformes under Human Care: An Example of a Collaborative Approach in Mexico. *Journal of Applied Animal Welfare Science*. 27(3), 615-624. <https://doi.org/10.1080/10888705.2024.2352415>. **FI 1.4.**
144. Alvarez-Velázquez, M. F., Espinosa-Gómez, F. C., Aristizabal, J. F., Garber, P. A., **Serio-Silva, J. C.** (2024). A simple assay for measuring tannin-protein precipitation capacity offers insights into the diet and food choice of black howler monkeys (*Alouatta pigra*). *American J Primatol.* 86(7). <https://doi.org/10.1002/ajp.23638>. **FI 2.**





145. **Valdespino, C.**, Guillen-Guillen, Z. G., **Albino-Miranda, S.**, Von-Osten, J. R., **Vázquez, G.** (2024). Spatiotemporal distribution of organochlorine pesticides in the upper La Antigua watershed, Veracruz Mexico. *Sci Rep.* 14(1). <https://doi.org/10.1038/s41598-024-77223-x>. **FI 3.8.**
146. Uriostegui-Velarde, J. M., **González-Romero, A.**, Rizo-Aguilar, A., Brito-González, D., **Guerrero, J. A.** (2024). Response of the subalpine bunchgrasses to wildfires and its effects in the relative abundance of the volcano rabbit in the Ajusco-Chichinautzin Mountain Range. 12, e17510. <https://doi.org/10.7717/peerj.17510>. **FI 2.3.**
147. Pozo-Montuy, G., ..., **Serio-Silva, J. C.**, Smith-Aguilar, S. E., Solórzano-García, B., Spaan, D., Van Belle, S., Dias, P. A. D. (2024). Howler Monkey Die-Off in Southern Mexico. *American J Primatol.* 86(12). <https://doi.org/10.1002/ajp.23684>. **FI 2.**
148. Foley, J., **López-Pérez, A. M.**, Rubino, F., Backus, L., Ferradas, C., Barrón-Rodríguez, J., Mendoza, H., Arroyo-Machado, R., Inostroza-Sánchez, L. C., Zazueta, O. E. (2024). Roaming Dogs, Intense Brown Dog Tick Infestation, and Emerging Rocky Mountain Spotted Fever in Tijuana, México. . 110(4), 779-794. <https://doi.org/10.4269/ajtmh.23-0410>. **FI 1.9.**
149. Mendoza, H., **López-Pérez, A. M.**, Rubio, A. V., Barrón-Rodríguez, J. J., Mazari-Hiriart, M., Pontifes, P. A., Dirzo, R., Suzán, G. (2024). Association between anthropization and rodent reservoirs of zoonotic pathogens in Northwestern Mexico. *PLoS ONE.* 19(2), e0298976. <https://doi.org/10.1371/journal.pone.0298976>. **FI 2.9.**
150. Foley, J., Álvarez-Hernández, G., Backus, L. H., Kjemtrup, A., **López-Pérez, A. M.**, Paddock, C. D., Rubino, F., Zazueta, O. E. (2024). The emergence of Rocky Mountain spotted fever in the southwestern United States and northern Mexico requires a binational One Health approach. *javma.* 262(5), 698-704. <https://doi.org/10.2460/javma.23.07.0377>. **FI 1.404.**
151. Guzmán-Cornejo, C., Herrera-Mares, A., García-Prieto, L., Ocegüera-Figueroa, A., **López-Pérez, A. M.**, Dzúl-Rosado, K. (2024). Potential zoonotic role of the tick *Amblyomma cf. Oblongoguttatum* (Ixodida: Ixodidae) in the bacterial transmission of *Ehrlichia chaffeensis* (Rickettsiales: Anaplasmataceae) in a deciduous tropical forest in Mexico. 61(4), 1026-1030. <https://doi.org/10.1093/jme/tjae047>. **FI 2.1.**
152. Stone, N. E., Ballard, R., Bourgeois, R. M., Pemberton, G. L., McDonough, R. F., Ruby, M. C., Backus, L. H., **López-Pérez, A. M.**, Lemmer, D., Koch, Z., Brophy, M., Paddock, C. D., Kersh, G. J., Nicholson, W. L., Sahl, J. W., Busch, J. D., Salzer, J. S., Foley, J. E., Wagner, D. M. (2024). A mutation associated with resistance to synthetic pyrethroids is widespread in US populations of the tropical lineage of





- Rhipicephalus sanguineus s.l. Ticks and Tick-borne Diseases. 15(4), 102344. <https://doi.org/10.1016/j.ttbdis.2024.102344>. **FI 3.1.**
153. López-Islas, J. J., Martínez-Gómez, D., Ortiz-López, W. E., Reyes-Cruz, T., **López-Pérez, A. M.**, Eslava, C., Méndez-Olvera, E. T. (2024). Escherichia coli Strains Isolated from American Bison (Bison bison) Showed Uncommon Virulent Gene Patterns and Antimicrobial Multi-Resistance. Microorganisms. 12(7), 1367. <https://doi.org/10.3390/microorganisms12071367>. **FI 4.1.**
154. **López-Pérez, A. M.**, Backus, L., Beati, L., Klompen, H., Rubino, F., Foley, J. (2024). Novel Rickettsia and host records for argasid ticks, including Alveonasus cooleyi, on wild mammals in Baja California, Mexico. Exp Appl Acarol. 93(2), 459-472. <https://doi.org/10.1007/s10493-024-00935-2>. **FI 1.8.**
155. Álvarez-Hernández, G., ..., **López-Pérez, A. M.**, ..., Walker, D. H. (2024). Rocky Mountain Spotted Fever in Mexico: A Call to Action. Am J Trop Med Hyg. 111(5), 1070-1077. <https://doi.org/10.4269/ajtmh.24-0265>. **FI 1.9.**
156. **Ramos-Luna, J.**, Torres-Anaya, D., Esparza-Rodríguez, Z., Fonseca-Leal, T., Alvarez-Velázquez, M., Chapman, C., **Serio-Silva, J.** (2024). Using traveling festivals to mobilize primate conservation education. Folia Primatol. 95(4-6), 295-307. <https://doi.org/10.1163/14219980-bja10024>. **FI 1.2.**
157. **Ramos Luna, J.**, Chapman, C., **Serio-Silva, J.** (2024). Participatory wildlife films for primate conservation education in Los Tuxtlas Biosphere Reserve, Veracruz, Mexico. Folia Primatol. 95(4-6), 309-324. <https://doi.org/10.1163/14219980-bja10030>. **FI 1.2.**
158. Escobedo-Morales, L. A., Castañeda-Rico, S., **Mandujano, S.**, León-Paniagua, L., Maldonado, J. E. (2023). First description of the mitochondrial genomes of the Central American brocket deer Mazama temama (Kerr, 1792) and the Yucatán Peninsula brocket deer Odocoileus pandora Merriam, 1901. Mol Biol Rep. 50(6), 4851-4863. <https://doi.org/10.1007/s11033-023-08407-3>. **FI 2.6.**
159. Esparza-Rodríguez, Z., **Serio-Silva, J. C.**, **Dáttilo, W.**, Arroyo-Quiroz, I. (2024). Risk areas of illegal primate trafficking; estimating capture pressure and vulnerability. Anim. Biodiv. Conserv. 47(2), 233-245. <https://doi.org/10.32800/abc.2024.47.0233>. **FI 1.**

Artículos publicados en revistas registradas en el SCRMCT (CONAHCYT)

160. **García-Feria, L. M.**, Pérez-Solano, L. A., **Gallina-Tessaro, S.**, Peña-Peniche, A. (2024). Microhabitat characterization in the home range of the Mule deer (Odocoileus hemionus) in arid zones. Therya. 15(1), 113-122. <https://doi.org/10.12933/therya-24-6000>.





161. **Sandoval-Comte, A., Mandujano, S.,** González-Zamora, A., Rodríguez, P. (2024). Biogeographic analysis of population density of white-tailed deer in Mexico: Importance of the Protected Natural Areas and Wildlife Management Units. *Therya*. 15(1), 91-102. <https://doi.org/10.12933/therya-24-5753>.
162. Pinto-Sandoval, E. D., Bernegossi, A. M., **Gallina, S.,** Reyna-Hurtado, R., Barbanti-Duarte, J. M. (2024). Molecular cytogenetics markers reveal the existence of a cryptic complex of *Mazama temama* species. *Therya*. 15(2), 192-200. <https://doi.org/10.12933/therya-24-4913>.
163. **Ramos-Luna, J., Sandoval-Comte, A., Gallina-Tessaro, S.** (2024). Nombrar el bosque y la fauna en Tepehúan. *Therya ixmana*. 3(3), 95-97. https://doi.org/10.12933/therya_ixmana-24-510.
164. Zalaquett-Rock, F., Balsanelli, A., Petatillo-Chan, R., **González-García, F.** (2024). Los cantos de las aves en las percepciones, vivencia y mitos de los lacandones de Nahá y Metzabok, Chiapas. *LXIV*, 217-249.

Artículos publicados en revistas arbitradas no consideradas en índices JCR y CONAHCYT

165. **Mandujano, S.** (2024). Índice de abundancia relativa y tasa de encuentro con trampas cámara. *MaNo*. 10(1), 389. <https://doi.org/10.47603/mano.v10n1.389>.
166. Roy, A., **López-Pérez, A. M.,** Backus, L., Castle, S., Clifford, D., Foley, J. (2024). Non-bulrush Habitat Use by Amargosa Voles (*Microtus californicus scirpensis*). *Western Wildlife*. 11, 11-18.

Capítulo de libro

167. Acosta-Jamett, G., Napolitano, C., López-Pérez, A. M., Hernández, F. (2024). Pathogen Transmission and the Risk of Spillover for Wild Carnivores in the Neotropics. En Acosta-Jamett, G., Chaves, A. (Ed), *Ecology of Wildlife Diseases in the Neotropics*. (pp. 255-285). Springer. ISBN 978-3-031-50530-0.

Red de Diversidad Biológica del Occidente Mexicano

Artículos indizados en JCR (Thomson Reuters)

168. García-Nava, X., Valdés, M., Calzada, F., Bautista, E., Cortezano-Arellano, O., De Loera, D., **Fragoso-Martínez, I.,** Martínez-Gordillo, M. (2023). Chemical constituents of *Salvia urica* Epling, and their antihyperglycemic and antipropulsive effects. *Bot. Sci.* 102(1), 162-171. <https://doi.org/10.17129/botsci.3368>. **FI 1.1.**





169. Barbosa, J. C. J., Caruzo, M. B. R., Simões, A. R. G., **Samain, M.** (2024). Taxonomic revision of the native Magnolia (Magnoliaceae) species of Brazil. PK. 238, 33-64. <https://doi.org/10.3897/phytokeys.238.113277>. **FI 1.3.**
170. Lorenzana, G. P., **Rico, Y.** (2024). Complete chloroplast genomes of three copal trees (Bursera: Bullockia): comparative analysis and phylogenetic relationships. Mol Biol Rep. 51(1). <https://doi.org/10.1007/s11033-024-09304-z>. **FI 2.6.**
171. Cruz-Esteban, S., **Garay-Serrano, E.**, González, F. J., Rojas, J. C. (2024). Visual stimulus brightness influences the efficiency of attractant-baited traps for catching Drosophila suzukii Matsumura (Diptera: Drosophilidae). Bull. Entomol. Res. 114(2), 180-189. <https://doi.org/10.1017/s0007485323000706>. **FI 1.6.**
172. Quisecat-Medina, A., Webb, C. O., **Méndez-Toribio, M.**, González, C., Hubbell, S. P., López-Toledo, L. (2023). Topography drives tree-habitat association and functional and phylogenetic structure in the northernmost tropical dry forest of the Americas. Plant Ecology **FI 1.7.**
173. Mendoza-Arroyo, G. E., Canché-Solís, R. E., Morón-Ríos, A., González-Espinosa, M., **Méndez-Toribio, M.** (2024). Unraveling the Relative Contributions of Deterministic and Stochastic Processes in Shaping Species Community Assembly in a Floodplain and Shallow Hillslope System. Forests. 15(2), 250. <https://doi.org/10.3390/f15020250>. **FI 2.4.**
174. **Méndez-Toribio, M.**, Sánchez-Gamiño, E., **Pérez-Cálix, E.** (2024). Caracterización del bosque de referencia para la restauración ecológica del Parque Nacional Barranca del Cupatitzio, Uruapan, Michoacán. Bot. Sci. 102(3), 746-764. <https://doi.org/10.17129/botsci.3450>. **FI 1.1.**
175. González-Torres, D. I., López-Toledo, L., Zermeno-Hernández, I. E., **Méndez-Toribio, M.** (2024). Integrating local knowledge into public policy instruments for enhancing restoration: A study case from western Mexican tropical dry forest. Trees, Forests and People. 18, 100662. <https://doi.org/10.1016/j.tfp.2024.100662>. **FI 2.7.**
176. **Steinmann, V. W.**, Ramírez-Amezcu, Y. (2024). Two New Species and a New State Record of Crassulaceae from Michoacán, Mexico. Haseltonia. 31(1). <https://doi.org/10.2985/026.031.0103>. **FI 2.**
177. Sandoval-Mata, T. N., Hernández-Sandoval, L., Munguía-Lino, G., **Steinmann, V. W.**, Delgado-Salinas, A. (2024). Regionalización de la provincia del Desierto Chihuahuense con base en la distribución de especies de Dalea (Fabaceae). Bot. Sci. 102(3), 975-994. <https://doi.org/10.17129/botsci.3462>. **FI 1.1.**
178. Galván-González, L. G., Cerros-Tlatilpa, R., Espejo-Serna, A., **Steinmann, V. W.** (2024). Phylogenetic Relationships of the Genera Cladocolea and Struthanthus





- (Loranthaceae) with Emphasis on the Mexican Species. *Systematic Botany*. 49(2), 396-411. <https://doi.org/10.1600/036364424x17194277229601>. **FI 0.9.**
179. Mérida-Torres, N. M., **Garay-Serrano, E.**, Cruz-Esteban, S. (2024). Effect of variation in plant-emitted volatiles on the infestation behavior of *Tetranychus urticae* (Acari: Tetranychidae) and *Frankliniella occidentalis* (Thysanoptera: Thripidae) in strawberry crops. *Exp Appl Acarol*. 93(4), 817-830. <https://doi.org/10.1007/s10493-024-00963-y>. **FI 1.8.**
180. Cruz-Salazar, B., Flores-Manzanero, A., Navarro-Noya, Y., **Rico, Y.** (2024). Spatial genetic structure of two conifers in a highly human-modified landscape of central Mexico. *Tree Genetics & Genomes* 20, 36 (2024). <https://doi.org/10.1007/s11295-024-01669-3>. **FI 1.9.**
181. González-Molina, M., Martínez-Hernández, N., **Rico, Y.** (2024). Genetic structure and demographic history of the dung beetle *Deltochilum guildingii* (Scarabaeinae): implications for conservation of the Tropical Dry Forest in the Colombian caribbean. *J Insect Conserv*. 28(6), 1211-1221. <https://doi.org/10.1007/s10841-024-00618-8>. **FI 1.9.**
182. Aldaba Núñez, F. A., Guzmán-Díaz, S., Veltjen, E., Asselman, P., Esteban Jiménez, J., Valdés Sánchez, J., Testé, E., Pino Infante, G., Silva Sierra, D., Callejas Posada, R., Hernández Najarro, F., Vázquez-García, J. A., Larridon, I., Park, S., Kim, S., Martínez Salas, E. M., **Samain, M.** (2024). Phylogenomic insights into Neotropical *Magnolia* relationships. *Heliyon*. 10(20), e39430. <https://doi.org/10.1016/j.heliyon.2024.e39430>. **FI 3.4.**
183. Cruz-Esteban, S., Rojas, J. C., **Hernández-Ledesma, P.**, **Grajales-Team, K.**, González-Hernández, H., Alavez-Rosas, D. (2024). Plant Volatiles and Trap Design, But Not Pheromone Dispensers, Affect the Catches of Agave Weevil1 in Agave Mezcalero. *Southwestern Entomologist*. 49(2), 625-638. <https://doi.org/10.3958/059.049.0208>. **FI 0.3.**
184. Nichols, W. F., Barrett, C. F., Wipff, J. K., **Sánchez-Ken, J. G.**, Knapp, W. M., Sigel, E. M., Kosslow, L., Corbett, C. (2024). Molecular and Taxonomic Reevaluation of the *Digitaria filiformis* Complex (Poaceae), Including a Globally Extinct, Single-Site Endemic from New Hampshire, USA, and a New Species from Mexico. *Systematic Botany*. 49(2), 318-333. <https://doi.org/10.1600/036364424x17189138775920>. **FI 0.9.**
185. **Fragoso-Martínez, I.**, Salazar, G. A., Martínez-Ambriz, E., Reith, M. (2024). Two new species of *Salvia* (Lamiaceae) from the dry forests of Dominican Republic. *PK*. 249, 299-315. <https://doi.org/10.3897/phytokeys.249.137556>. **FI 1.3.**

Artículos publicados en revistas registradas en el SCRMCT (CONAHCYT)





186. Guzmán-Olmos, R. F., **Garay-Serrano, E.**, Ortiz-Ceballos, Á. I., Oros-Ortega, I., Noa-Carrazana, J. C. (2024). Phylogeny of two species of *Lactarius* subsection *Scrobiculati* associated with *Abies religiosa* in Cofre de Perote National Park, Mexico. *Acta Universitaria*. 34, 1-15. <https://doi.org/10.15174/au.2024.4265>.

Artículos publicados en revistas arbitradas no consideradas en índices JCR y CONAHCYT

187. Noriega-Rico, E., **Rico, Y.**, Lobato-De Magalhães, T. (2024). Functional Connectivity of the California Bulrush (*Schoenoplectus californicus*) in Central-Western Wetlands in Mexico. *WSP*. 42(1). <https://doi.org/10.1672/ucrt083-620>.
188. Becerra, E., **Rico, Y.**, Borja, J., Rodríguez-López, B., Gutiérrez-Martínez, A. (2024). First record of the invasive Red-eared Slider (*Trachemys scripta elegans*) in the Nazas River, Durango Mexico. *Herpetology Notes*. 17(2024), 57-60.
189. **Garay-Serrano, E.**, Pérez-Cupa, P. 2024. Actividad antifúngica de bacterias contra *Botrytis cinerea* y *Colletotrichum* sp. que afectan a la fresa (Antifungal activity of Bacteria against *Botrytis cinerea* and *Colletotrichum* sp. affecting strawberry). *Biotecnología y Sustentabilidad*. 9, 21-35.

Capítulo de libro

190. **Marie-Stephanie, S., Mayoral-Loera, P., Zavala-García, I.** (2024). *Acta Botanica Mexicana: hacia una revista líder en la botánica latinoamericana, una autoevaluación*. En César E. Jiménez Yañez y Rosalba Carrillo Fuentes (Ed), *Revistas mexicanas de ciencias - Retos desde la comunicación científica y la divulgación*. (pp. 89-103). Universidad Autónoma de Baja California y Universidad Nacional Autónoma de México. ISBN 978-607-30-8691-2.

Red de Ecología Ecoetología

Artículos indizados en JCR (Thomson Reuters)

191. Nakayama Miranda, P., Lahoz da Silva Ribeiro, J. E., Aguirre-Jaimes, A., Brasil, I., **Dáttilo, W.** (2024). Morphological characterization of extrafloral nectaries in Brazilian Amazonian plant species. *Acta Bot. Mex.* (131). <https://doi.org/10.21829/abm131.2024.2241>. **FI 0.7**.
192. Barreiro, J. B., Ratoni, B., Baena-Díaz, F., **González-Tokman, D., Dáttilo, W.** (2024). Thermal Tolerance of Honeybees (*Apis mellifera* L.) Changes Across an





- Elevation Gradient in the Mexican Transition Zone. *Sociobiology*. 71(1), e10155. <https://doi.org/10.13102/sociobiology.v71i1.10155>. **FI 0.7.**
193. Cruz, C. P., Ratoni, B., **Villalobos, F.**, Ayala, R., Hinojoza-Díaz, I., **Dáttilo, W.** (2024). Drivers of flower visit and resource sharing between the honeybee and native bees in Neotropical coastal sand dunes. *Sci Nat*. 111, 2. <https://doi.org/10.1007/s00114-024-01888-7>. **FI 2.1.**
194. Gómez-Díaz, J. A., Carvajal-Hernández, C. I., **Dáttilo, W.** (2024). Past, present and future in the geographical distribution of Mexican Tepezmaite cycads: Genus *Ceratozamia*. *PLoS ONE*. 19(2), e0284007. <https://doi.org/10.1371/journal.pone.0284007>. **FI 2.9.**
195. Juárez-Fragoso, M. A., Perroni, Y., **Dáttilo, W.**, Gómez-Díaz, J. A., **Guevara, R.** (2024). The landscape scale of effect on the alpha and beta diversities of woody species in a semideciduous tropical forest. *Landsc Ecol*. 39(2). <https://doi.org/10.1007/s10980-024-01809-z>. **FI 4.**
196. Martello, F., **Dáttilo, W.**, Souza-Campana, D. R., Medeiros, H. R., Silva, R. R., Ribeiro, M. C., Morini, M. S. C. (2023). Eucalyptus plantation reduces diversity and disrupts predator-prey correlations of soil invertebrates within Atlantic Forest. *Forest Ecology and Management*. 553, 121592. <https://doi.org/10.1016/j.foreco.2023.121592>. **FI 3.7.**
197. Rivera, J. D., **Espinoza-De los Monteros, A.**, **Favila, M. E.** (2023). The ecological functions of dung beetles are shaped by multiple dimensions of diversity. *Insect Conserv Diversity*. 17(1), 102-111. <https://doi.org/10.1111/icad.12695>. **FI 3.2.**
198. Auliz-Ortiz, D. M., ..., **Favila, M. E.**, García, A., García-Morales, L. J., Gavito-Pérez, F., Gómez-Domínguez, H., **González-García, F.**, González-Zamora, A., ..., **Mandujano, S.**, Martínez-Camilo, R., ..., Martínez-Ramos, M. (2024). Underlying and proximate drivers of biodiversity changes in Mesoamerican biosphere reserves. *Proc. Natl. Acad. Sci. U.S.A.* 21(6), e2305944121. <https://doi.org/10.1073/pnas.2305944121>. **FI 9.4.**
199. Rocha, C. S., **Dáttilo, W.**, Morante-Filho, J. C., Araújo-Santos, I., Cabral, J. P., Benchimol, M. (2024). Seed-Bird co-occurrence networks in cocoa agroforests: Morphological matching analysis reveals shading effects on network organization. *Journal for Nature Conservation*. 79, 126630. <https://doi.org/10.1016/j.jnc.2024.126630>. **FI 2.2.**
200. **De Gasperin, O.**, Blacher, P., Sarton-Lohéac, S., Grasso, G., Corliss, M. K., Nicole, S., Chérasse, S., Aron, S., Chapuisat, M. (2024). A supergene controlling social structure in Alpine ants also affects the dispersal ability and fecundity of each sex. *Proc. R. Soc. B*. 291(2024). <https://doi.org/10.1098/rspb.2024.0494>. **FI 3.8.**



201. Jácome-Hernández, A., **Desgarenes, D., Guevara, R., Olivares-Romero, J. L., Favila, M. E.** (2024). Antifungal capabilities of gut microbial communities of three dung beetle species (Scarabaeidae: Scarabaeinae). *Sci Nat.* 111, 36. <https://doi.org/10.1007/s00114-024-01923-7>. **FI 2.1.**
202. **González-Tokman, D.,** Esquivel-Román, A., Martínez, I. (2024). Physiology, ecology, and evolution of a successful colonizer: the horned dung beetle, *Euoniticellus intermedius*. *Entomologia Exp Applicata.* 172(7), 581-589. <https://doi.org/10.1111/eea.13439>. **FI 1.4.**
203. Tec Pardillo, R., **Arellano, L.,** López-Ortiz, S., Jarillo Rodríguez, J., Ortega Martínez, I. J., Mendoza Briseño, M. A., Vargas Mendoza, M. D. L. C. (2024). Different habitat condition proportions on farms affect the structure and diversity of dung beetle (Coleoptera, Scarabaeidae, Scarabaeinae) communities. *Trop Zool.* 37(3-4). <https://doi.org/10.4081/tz.2024.150>. **FI 0.7.**
204. Cruz, C. P., Luna, P., **Villalobos, F., Guevara, R.,** Hinojoza-Díaz, I., **Dáttilo, W.** (2024). The central importance of the honeybee (*Apis mellifera* L.) within plant-bee interaction networks decreases along a Neotropical elevational gradient. *Ecological Complexity.* 60, 101105. <https://doi.org/10.1016/j.ecocom.2024.101105>. **FI 3.1.**
205. Hernández-Rivera, Á., **Dáttilo, W.,** Montoya, B., **Villegas-Patraca, R., González-Tokman, D.** (2024). Effects of urbanization on orchid bee diversity and orchid pollination: From neotropical cloud forests to urban cores. *Science of The Total Environment.* 954, 176553. <https://doi.org/10.1016/j.scitotenv.2024.176553>. **FI 8.2.**
206. Zvereva, E., Adroit, B., Andersson, T., Barnett, C., Branco, S., Castagneyrol, B., Chiarenza, G., **Dáttilo, W.,** ..., Kozlov, M. (2024). Predation on Live and Artificial Insect Prey Shows Different Global Latitudinal Patterns. *Global Ecol Biogeogr.* 33(11). <https://doi.org/10.1111/geb.13899>. **FI 6.3.**
207. De Oliveira Lima, S. R., de Oliveira Sá, E. C., Moraes, P. N., Silva, T. G. M., **Dáttilo, W.,** de Araújo, W. S. (2024). Ant-plant networks exhibit distinct species diversity but similar organization in urban and wild areas of neotropical savannas. *Urban Ecosyst.* 27(5), 1807-1817. <https://doi.org/10.1007/s11252-024-01556-8>. **FI 2.5.**
208. **Dáttilo, W., Cabrera-Cruz, S. A., Gallo-Gómez, C. A., Serio-Silva, J. C., Villegas-Patraca, R.** (2024). Current status of the remaining Mexican cloud forests: landscape findings and conservation initiatives. *PeerJ.* 12, e18386. <https://doi.org/10.7717/peerj.18386>. **FI 2.3.**
209. Luna, P., Colón Sandoval, A. G., Hinojosa-Díaz, I., **Dáttilo, W.** (2024). Temperature and Precipitation Explain Bee Diversity on Flowers Along an



- Elevation Gradient in the Mexican Transition Zone. *Sociobiology*. 71(4), e10455. <https://doi.org/10.13102/sociobiology.v71i4.10455>. **FI 0.7**.
210. Morales-Trejo, J. J., **Dáttilo, W.**, Zurita, G., **Arellano, L.** (2024). Duration of Cattle Ranching Affects Dung Beetle Diversity and Secondary Seed Removal in Tropical Dry Forest Landscapes. *Insects*. 15(10), 749. <https://doi.org/10.3390/insects15100749>. **FI 2.7**.
211. Lizardo, V., **Escobar, F.**, Martínez-Meyer, E., Morrone, J. J. (2024). Adaptive shifts in Phanaeini dung beetles of the Mexican plateau cenocron in the Mexican transition zone. *Zoologica Scripta*. 53(4), 451-460. <https://doi.org/10.1111/zsc.12656>. **FI 2.3**.

Artículos publicados en revistas registradas en el SCRMCT (CONAHCYT)

212. García-Rodríguez, D. A., Pérez-Hernández, P., Torres-Rivera, J. A., Díaz-Rivera, P., **Arellano-Gómez, L.**, Martínez-González, E. G. (2024). The regenerative and multifunctional livestock value network in La Antigua Basin, Veracruz, Mexico. *AP*. <https://doi.org/10.32854/agrop.v17i8.2786>.

Artículos publicados en revistas arbitradas no consideradas en índices JCR y CONAHCYT

213. **Valdespino, C., Arellano, L., Barois, I.**, Rendón von Osten, J. (2024). Plaguicidas organoclorados: Respuesta de la macrofauna en ranchos de Xico, Veracruz. *Rev AIA*. 28(1). <https://doi.org/10.53897/revaia.24.28.01>.

Capítulo de libro

214. **Dáttilo, W., González-Tokman, D.** (2024). Anthropogenic climate change: Causes, consequences and a call to action and research. En Daniel González-Tokman & Wesley Dáttilo (Ed), *Effects of Climate Change on Insects: Physiological, Evolutionary, and Ecological Responses*. (pp. 1-10). Oxford University Press. ISBN 978-019-28641-61.
215. Luna, P., **Dáttilo, W.** (2024). Climate change disrupts insect biotic interactions: Cascading effects through the web of life. En Daniel González-Tokman & Wesley Dáttilo (Ed), *Effects of Climate Change on Insects: Physiological, Evolutionary, and Ecological Responses*. (pp. 303-327). Oxford University Press. ISBN 978-0192864161.
216. **González-Tokman, D., De Gasperin-Quintero, O., Dáttilo, W.** (2024). Improving our understanding of insect responses to climate change. En



- Daniel González-Tokman & Wesley Dáttilo(Ed), Effects of Climate Change on Insects: Physiological, Evolutionary, and Ecological Responses. (pp. 353-358). Oxford University Press. ISBN 978-0192864161.
217. **Arellano-Gómez, L.**, Ortega-Martínez, I., Rivera, J. D.; Alvarado, Fredy. (2024).Declining Dung Beetle (Coleoptera: Scarabaeidae) Abundance and Diversity in the Neotropics: Causes and Conservation Strategies. En J. L. León-Cortés, A. Córdoba-Aguilar (Ed), Insect Decline and Conservation in the Neotropics. (pp. 75-115). Springer. ISBN 978-3-031-49255-6.
 218. **González-Tokman, D.**, Villada-Bedoya, Sebastián. (2024).Physiological mechanisms of heat tolerance in insects. En Daniel González-Tokman & Wesley Dáttilo(Ed), Effects of Climate Change on Insects: Physiological, Evolutionary, and Ecological Responses. (pp. 51-64). Oxford University Press. ISBN 978-0192864161.
 219. **Favila-Castillo, M. E.** (2024).The chemical ecology of dung beetles and the potential applications of their bioactive compounds. En Atta-ur-Rahman (Ed), Studies in Natural Products Chemistry. (pp. 405-423). Elsevier. ISBN 978-0443157561.

Libros

220. **González-Tokman, D., Dáttilo, W.** (2024). Effects of Climate Change on Insects: Physiological, Evolutionary, and Ecological Responses. ISBN 978-019-2864-16-1.

Red de Ecología Funcional

Artículos indizados en JCR (Thomson Reuters)

221. Barron-Lugo, J. A., López-Arevalo, I., González-Compean, J., **Alvarado-Barrientos, M. S.**, Carretero, J., Sosa-Sosa, V. J., Montella, R. (2024). A GIS-big data model for improving the coverage and analysis processes of territory observation, and integrating ground-based observations with retrospective meteorological data. International Journal of Applied Earth Observation and Geoinformation. 128, 103736. <https://doi.org/10.1016/j.jag.2024.103736>. **FI 7.6.**
222. García-Hernández, M. D. L. Á., **López-Barrera, F.** (2023). Direct seeding success of four threatened oak species in a peri-urban forest: effects of microhabitat and rodent exclusion. Forest Ecology and Management. 553, 121629. <https://doi.org/10.1016/j.foreco.2023.121629>. **FI 3.7.**
223. Vides-Borrell, E., Gasselin, P., Ferguson, B. G., **Porter-Bolland, L.**, Dangla-Pelissier, T., Ayvayan, S., Vandame, R. (2023). Agricultural intensification increases farmers' income but reduces food self-sufficiency and bee diversity: Evidence





- from southeast Mexico. *Journal of Agrarian Change*. 24(1), e12571. <https://doi.org/10.1111/joac.12571>. **FI 2.4.**
224. **Angeles, G., Madero-Vega, C.** (2024). Using disposable food packaging materials as printing, embedding, and sectioning media in the plant anatomy lab. *Appl Plant Sci*. 12(2), e11570. <https://doi.org/10.1002/aps3.11570>. **FI 2.7.**
225. **Toledo-Aceves, T.,** García-Díaz, M. (2024). Growth rate of *Clethra mexicana*, *Juglans pyriformis*, *Liquidambar styraciflua*, and *Trema micrantha* in secondary cloud forest. *Rev.Mex.Biodiv.* 95, e955276. <https://doi.org/10.22201/ib.20078706e.2024.95.5276>. **FI 0.8.**
226. Ortega, M. A., ..., **Williams-Linera, G.,** Zahawi, R. A., Muñoz, J. (2024). Climate change increases threat to plant diversity in tropical forests of Central America and southern Mexico. *PLoS ONE*. 19(2), e0297840. <https://doi.org/10.1371/journal.pone.0297840>. **FI 2.9.**
227. Mercado, M., **Mehltreter, K.,** Neira, D., Ríos, N., Hernández, M. (2023). Anatomical and histochemical adaptations of *Melpomene peruviana* to the xeric environment of high altitudes. *Flora*. 310, 152445. <https://doi.org/10.1016/j.flora.2023.152445>. **FI 1.7.**
228. De Paiva Farias, R., **Mehltreter, K.,** Silva, M. P. P., Goetz, M. N. B., da Silva, V. L., Schmitt, J. L., da Costa, L. E. N. (2024). Role of above- and belowground traits in the functional structure and species dominance of tropical fern communities in response to edge effects. *Folia Geobot.* 58(3-4), 275-291. <https://doi.org/10.1007/s12224-024-09444-x>. **FI 1.**
229. Parra-Tabla, V., Tun-Garrido, J., **García-Franco, J., Martínez, M. L.** (2023). The recent expansion of the invasive hemiparasitic plant *Cassytha filiformis* and the reciprocal effect with its main hosts. *Biol Invasions*. 26, 535-547. <https://doi.org/10.1007/s10530-023-03192-3>. **FI 2.8.**
230. Vergara-Torres, C. A., Valencia-Díaz, S., **García-Franco, J. G.,** Flores-Palacios, A. (2024). Do epiphytes affect the fitness of their phorophytes? The case of *Tillandsia recurvata* on *Bursera copallifera*. *J. Trop. Ecol.* 40:e13. <https://doi.org/10.1017/s0266467424000117>. **FI 1.**
231. Martínez-Ramos, L. M., Vázquez-Santana, S., **García-Franco, J.,** Mandujano, M. C. (2024). Is self-incompatibility a reproductive barrier for hybridization in a sympatric species? *American J of Botany*. 111(4), e16309. <https://doi.org/10.1002/ajb2.16309>. **FI 2.4.**
232. Salgado, K., **Martínez, M. L., Pérez-Maqueo, O., Equihua, M.,** Mariño-Tapia, I., Hesp, P. (2024). Estimating storm-related coastal risk in Mexico using Bayesian networks and the occurrence of natural ecosystems. *Nat Hazards*. 120(6), 5919-5940. <https://doi.org/10.1007/s11069-024-06460-0>. **FI 3.3.**





233. **Arroyo-Ortega, I.**, Chavarin-Pineda, Y., Torres, E. (2024). Assessing Contamination in Transitional Waters Using Geospatial Technologies: A Review. *IJGI*. 13(6), 196. <https://doi.org/10.3390/ijgi13060196>. **FI 2.8.**
234. Vázquez-Benavides, J., **Alvarado-Barrientos, M. S.**, Pineda-López, M. D. R. (2024). Revisión cuantitativa (1990-2022) del ciclo del carbono y los flujos de CO₂ y CH₄ de manglares. *MYB*. 30(4), e3042628. <https://doi.org/10.21829/myb.2024.3042628>. **FI 0.4.**
235. Carpinteiro-Díaz, A. J., **Mota-Vargas, C., Rojas-Soto, O. R., López-Barrera, F.** (2024). Loquat (*Eriobotrya japonica*) fruit consumption and preference by cloud forest birds: Implications for woody native species regeneration. *Forest Ecology and Management*. 561, 121896. <https://doi.org/10.1016/j.foreco.2024.121896>. **FI 3.7.**
236. Atondo-Bueno, E. J., Zuloaga-Aguilar, S., Muñiz-Castro, M. Á., Cuevas-Guzmán, R., **López-Barrera, F.**, Alanís-Rodríguez, E. (2024). Post-fire regeneration of oak-pine forest across a chronosequence in western Mexico: key species for forest restoration. *Bot. Sci.* 102(3), 713-745. <https://doi.org/10.17129/botsci.3440>. **FI 1.1.**
237. Reyes-Ortiz, M., **Lira-Noriega, A.**, Osorio-Olvera, L., Luna-Vega, I., **Williams-Linera, G.** (2024). Leaf functional traits and ecological niche of *Fagus grandifolia* and *Oreomunnea mexicana* in natural forests and plantings as a proxy of climate change. *American J of Botany*. 111(5), e16322. <https://doi.org/10.1002/ajb2.16322>. **FI 2.4.**
238. Brewster-Salmones, E., Díaz-García, J. M., López-Barrera, F. (2024). Spicing up oak forest restoration: a preliminary report of the protective use of chili peppers in direct seeding of acorns. *Restoration Ecology*. 32(5). <https://doi.org/10.1111/rec.14146>. **FI 2.8.**
239. Rodríguez-Morales, D., **Aguirre-Jaimes, A., García-Franco, J. G.** (2024). Effects of Florivory on Floral Visitors and Reproductive Success of *Sagittaria lancifolia* (Alismataceae) in a Mexican Wetland. *Plants*. 13(4), 547. <https://doi.org/10.3390/plants13040547>. **FI 4.**
240. Quijano-Cuervo, L. G., del-Val, E., Macías-Ordóñez, R., **Dáttilo, W., Negrete-Yankelevich, S.** (2024). Spider guilds in a maize polyculture respond differently to plant diversification, landscape composition and stage of the agricultural cycle. *Agri and Forest Entomology*. 26(3), 373-385. <https://doi.org/10.1111/afe.12620>. **FI 1.6.**
241. Raygoza-Alcantar, L. N., **Vázquez, G.**, Rodríguez-Zaragoza, F. A. (2024). Spatio-temporal Relationship between Diatom Diversity and Environmental Gradients at La Mancha Coastal Lagoon (Veracruz, Mexico). *Journal of Coastal Research*. 40(2), 366-381. <https://doi.org/10.2112/jcoastres-d-23-00026.1>. **FI 1.11.**





242. Velázquez-Pérez, C., Romero-Berny, E. I., Miceli-Méndez, C. L., **Moreno-Casasola, P.**, López, S. (2024). Geofoms and Biogeography Defining Mangrove Primary Productivity: A Meta-Analysis for the American Pacific. *Forests*. 15(7), 1215. <https://doi.org/10.3390/f15071215>. **FI 2.4.**
243. **Vázquez, G., García-Franco, J. G., Castillo-Campos, G., Martínez, M. L., Mehlreter, K.**, Campos, A., **Favila, M. E.** (2024). Does the diversity of vegetation and diatoms correlate with soil and water factors in a tropical cloud forest's complex land use/land cover scenario? *Environ Monit Assess*. 196, 916 (2024). <https://doi.org/10.1007/s10661-024-13072-5>. **FI 2.9.**
244. Wimmmler, M., Nadezhdina, N., Bowen, H., **Alvarado-Barrientos, S.**, David, T., Fontenla-Razzetto, G., Kniesel, B., Lange, H., Link, R. M., Liu, Y., **López-Portillo, J.**, Pinto, C., Zhao, J., Vovides, A. G. (2024). Sap Flow Analyzer: A tool to standardize sap flow estimation and scaling to whole-tree water use using the HFD method. *Methods Ecol Evol*. 15(9), 1532-1539. <https://doi.org/10.1111/2041-210x.14392>. **FI 6.3.**
245. Martínez, M. L., Chávez, V., Silva, R., Heckel, G., Garduño-Ruiz, E. P., Wojtarowski, A., Vázquez, G., Pérez-Maqueo, O., Maximiliano-Cordova, C., Salgado, K., Landgrave, R., Mateos, E., Tapia, E. (2024). Assessing the Potential of Marine Renewable Energy in Mexico: Socioeconomic Needs, Energy Potential, Environmental Concerns, and Social Perception. *Sustainability*. 16(16), 7059. <https://doi.org/10.3390/su16167059>. **FI 3.3.**
246. Copping, A. E., **Martínez, M. L.**, Hemery, L. G., Hutchison, I., Jones, K., Kaplan, M. (2024). Recent Advances in Assessing Environmental Effects of Marine Renewable Energy Around the World. *mar technol soc j*. 58(3), 70-87. <https://doi.org/10.4031/mts.58.3.2>. **FI 0.7.**
247. Slik, F., ..., G., **Williams-Linera, G.**, ..., Hemati, Z. (2024). Wind dispersed tree species have greater maximum height. *Global Ecol Biogeogr*. 33(9), e13878. <https://doi.org/10.1111/geb.13878>. **FI 6.3.**
248. Wootton, A., Enríquez, P. L., **Williams-Linera, G.**, Pineda-Diez de Bonilla, E. (2024). Revisiting the phenology of El Triunfo cloud forest, Mexico, 30 years later. *J. Trop. Ecol*. 40, e18. <https://doi.org/10.1017/s0266467424000191>. **FI 1.**
249. Chávez, D., **López-Portillo, J.**, Gallardo-Cruz, J. A., Meave, J. A. (2023). Approaches, potential, and challenges in the use of remote sensing to study mangrove and other tropical wetland forests. *Bot. Sci*. 102(1), 1-25. <https://doi.org/10.17129/botsci.3358>. **FI 1.1.**
250. Hargreaves, A. L., ..., **Mehlreter, K.**, Muñoz, J., Buono, C., Brodie, J. F., Rodriguez-Campbell, A., Veen, T., Freeman, B. G., Lee-Yaw, J. A., Muñoz, J. C., Paquette, A., Butler, J., Suárez, E. (2024). Latitudinal gradients in seed predation



- persist in urbanized environments. *Nat Ecol Evol.* 8(10), 1897-1906. <https://doi.org/10.1038/s41559-024-02504-7>. **FI 14.1.**
251. Meza-Ororio, Y. T., Mendoza-González, G., **Martínez, M. L.** (2024). Sun and Sand Ecotourism Management for Sustainable Development in Sisal, Yucatán, Mexico. *Sustainability.* 16(20), 8807. <https://doi.org/10.3390/su16208807>. **FI 3.3.**
252. Corona-Salto, A., **Equihua, M., Lara-Domínguez, A. L., López-Portillo, J.** (2024). A Bayesian network approach to assess the ecosystem integrity of mangroves in Tampamachoco, Veracruz, Mexico. *MYB.* 30(4), e3042644. <https://doi.org/10.21829/myb.2024.3042644>. **FI 0.4.**
253. Gatt, Y. M., ..., **Lara-Dominguez, A. L.,** ..., Worthington, T. A. (2024). The Mangrove Restoration Tracker Tool: Meeting local practitioner needs and tracking progress toward global targets. *One Earth.* 7(11), 2072-2085. <https://doi.org/10.1016/j.oneear.2024.09.004>. **FI 15.1.**
254. Cárdenas-Ramos, D., **Sosa, V. J.,** Valverde, P. L., Mandujano, M. C. (2024). Facilitation and its effect on vital rates of the living rock cactus *Ariocarpus retusus*. *Journal of Arid Environments.* 225, 105265. <https://doi.org/10.1016/j.jaridenv.2024.105265>. **FI 2.6.**
255. Quintos-Andrade, G., **Valenzuela-González, J. E.,** Palmeros-Sánchez, B., Torres-Moreno, R. (2023). A new species of *Brasixenos Kogan* FI 0.8.
256. Chévez, E., **Porter-Bolland, L.,** Revollo-Fernández, D. A., García-Frapolli, E. (2024). Contested agricultural landscapes: From an individual to a common issue for stingless beekeepers a case from Veracruz, México. *Society & Natural Resources,* 37(11), 1609–1626. <https://doi.org/10.1080/08941920.2024.2394938>. **FI 2.2.**
257. Lara-Godínez, S. A. L., Valenzuela-Galván, D., **González-Romero, A.,** Cuarón, A. D., **Sosa, V. J.,** Bernardo-Vázquez, L., Rodríguez-Luna, C. R. (2024). Coexistence of native and invasive species: the case of the Critically Endangered endemic carnivores from Cozumel Island, Mexico. *Écoscience.* 31(3), 86-99. <https://doi.org/10.1080/11956860.2024.2432113>. **FI 1.3.**
258. Castañon Malpica, A., **Gallardo-Hernández, C., Toledo Aceves, T.** (2024). Germinación y emergencia de *Quercus meavei* y *Quercus delgadoana*, especies amenazadas del bosque de niebla: efecto del acondicionamiento natural. *Acta Bot. Mex.* (131). <https://doi.org/10.21829/abm131.2024.2307>. **FI 0.7.**
259. Castañon Malpica, A., **Gallardo-Hernández, C., Toledo Aceves, T.** (2024). Germinación y emergencia de *Quercus meavei* y *Quercus delgadoana*, especies amenazadas del bosque de niebla: efecto del acondicionamiento natural. *Acta Bot. Mex.* (131). <https://doi.org/10.21829/abm131.2024.2307>. **FI 0.7.**





260. Fernández-Sánchez, H. Y., Espinoza-Ortega, A., **Sánchez-Vega, L.**, Cervantes-Escoto, F., Moctezuma-Pérez, S. (2024). Perceptions of cheese authenticity: A comparative analysis of value chain actors in Mexico. *International Journal of Gastronomy and Food Science*. 38, 101019. <https://doi.org/10.1016/j.ijgfs.2024.101019>. **FI 3.2.**
261. **Pogosyan, L.**, Abrosimov, K., Sedov, S. (2024). Pore space memory of the Tlalpan pedosedimentary sequence as an indicator of paleopedogenesis. *J. Plant Nutr. Soil Sci.* 187(6), 816-825. <https://doi.org/10.1002/jpln.202300444>. **FI 2.6.**
262. Camacho-Ramírez, R. A., Mandujano, M. C., Pisanty, I., **Mehltreter, K.** (2024). Microclimatic Preferences and Phenology of Terrestrial Xeric Ferns in Seasonally Dry Shrubland in Central Mexico. *American Fern Journal*. 114(4). <https://doi.org/10.1640/0002-8444-114.4.263>. **FI 0.7.**
263. Infante Rodríguez, D. A., Velázquez Narváez, A. C., **Monribot Villanueva, J. L., Carrión, G., Mehltreter, K.,** Lachaud, J., **Guerrero Analco, J. A., Valenzuela González, J.** (2024). In vitro culture of *Leucoagaricus gongylophorus* (Agaricaceae), symbiont fungus of the leaf-cutting ant *Atta mexicana* (Hymenoptera, Formicidae), using solid and plant-supplemented culture media. *Acta Bot. Mex.* (131). <https://doi.org/10.21829/abm131.2024.2397>. **FI 0.7.**

Artículos publicados en revistas arbitradas no consideradas en índices JCR y CONAHCYT

264. Sánchez-García, Edgar Abel; **Moreno-Casasola, P., Monroy-Ibarra, R.** (2024). How will sea level rise affect coastal wetlands on the Atlantic Coast of Mexico: Impacts and species responses? *Wetland Science & Practice*. 42, 30-39.
265. **Moreno-Casasola, P.,** López Rosas, H., Peralta, L., Vázquez-González, C., **Monroy- Ibarra, R.** (2024). Socio-environmental value of coastal urban wetlands in Veracruz, Mexico. *Wetland Science & Practice*. 42, 48-56.
266. Carpinteiro-Díaz, A, J., Romero, E., **Moreno-Casasola, P.** (2024). Preserving La Mancha's wetland avian heritage with a community-driven bird monitoring initiative. *Wetland Science & Practice*. 42, 57-65.
267. **Guevara-Sada, S.** (2024). Gonzalo Halffter Salas (1932-2022) La biodiversidad y el desarrollo sustentable de México. *Acta Zoológica Mexicana*. 40, 1-10.
268. **Martínez, M. L.,** Silva, R., **Pérez-Maqueo, O.,** Chávez, V., Mendoza-González, G., Maximiliano-Cordova, C. (2024). The dilemma of coastal management: Exploitation or conservation? *Camb. prisms Coast. futures*. 2. <https://doi.org/10.1017/cft.2024.10>.



269. Mesa-Sierra, N., **Moreno-Casasola, P.**, Chaplin-Kramer, R. (2024). Quantifying the Potential of the Tropical Dry Region of the Gulf of Mexico to Provide Tree Species with Traditional Uses for Forest-Reliant Communities. *Wild.* 1(1), 1-16. <https://doi.org/10.3390/wild1010001>.

Capítulo de libro

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274. Paradowska, K., **Moreno-Casasola, P.**, Colectivo Ecoguías, La Mancha en Movimiento. (2024). Cuidar y defender lo nuestro. Aprendizajes a lo largo de vida del grupo de ecoturismo comunitario en la costa de Veracruz (México). En José Antonio Hernanz Moral(Ed), Retos y oportunidades de la educación a lo largo de la vida en la sociedad del conocimiento: de los contenidos a los saberes. (pp. 203-235). Octaedro, S.L. ISBN 978-84-19900-76-0.
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Libros

276. **Castillo-Campos, G., García-Franco, J. G., Martínez-Vázquez, M. L., Pale-Pale, J. J.** (2024). Catálogo de las especies vegetales de la zona costera de la isla de Cozumel, México. ISBN 978-607-8907-27-4.
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278. **Silva-Casarín, R., Jiménez-Orocio, O., Moreno-Casasola, P., Martínez-Vázquez, M. L., Chávez-Cerón, V., Mendoza-González, G., Cruz-Ramírez, C., López-Portillo, J. A., Vázquez-Hurtado, G., Lithgow-Serrano, A. D., García-Franco, J. G., Castillo-Campos, G.** (2024). La zona costera del municipio Tamiahua, Veracruz. ISBN 978-607-8833-15-3.
279. **Chávez-Cerón, V., Jiménez-Orocio, O., Martínez-Vázquez, M. L., Silva-Casarín, R., Cruz-Ramírez, C. J., Moreno-Casasola, P., Vázquez-Hurtado, G., López-Portillo, J. A., Mendoza-González, G., García-Franco, J. G., Castillo-Campos, G., Lithgow-Serrano, A. D.** (2024). La zona costera del municipio Cazon de Herrera, Veracruz. ISBN 978-607-8833-21-4.
280. **Martínez-Vázquez, M. L., Jiménez-Orocio, O., Silva-Casarín, R., Chávez-Cerón, V., Cruz-Ramírez, C. J., Vázquez-Hurtado, G., López-Portillo, J. A., Moreno-Casasola, P., Mendoza-González, G., García-Franco, J. G., Castillo-Campos, G., Lithgow-Serrano, A. D.** (2024). La zona costera del municipio San Andrés Tuxtla, Veracruz. ISBN 978-607-8833-16-0.
281. **Silva-Casarín, R., Jiménez-Orocio, O., Martínez-Vázquez, M. L., Chávez-Cerón, V., Cruz Ramírez, C. J., Vázquez-Hurtado, G., López-Portillo, J. A., Moreno-Casasola, P., Mendoza-González, G., García-Franco, J. G., Castillo-Campos, G., Lithgow-Serrano, A. D.** (2024). La zona costera del municipio Mecayapan, Veracruz. ISBN 978-607-8833-20-7.
282. **Chávez-Cerón, V., Jiménez-Orocio, Oscar; Silva-Casarín, R., Martínez-Vázquez, M. L., Cruz-Ramírez, C. J., Vázquez-Hurtado, G., López-Portillo, J. A., Moreno-Casasola, P., Mendoza-González, G., García-Franco, J. G., Castillo-Campos, G., Lithgow-Serrano, A. D.** (2024). La zona costera del municipio Tatahuicapan de Juárez, Veracruz. ISBN 978-607-8833-19-1.
283. **Martínez-Vázquez, M. L., Jiménez-Orocio, O., Silva-Casarín, R., Chávez-Cerón, V., Cruz-Ramírez, C. J., Vázquez-Hurtado, G., López-Portillo, J. A., Moreno-Casasola, P., Mendoza-González, G., García-Franco, J. G., Castillo-Campos, G.,**



Lithgow-Serrano, A. D. (2024). La zona costera del municipio Pajapan, Veracruz. ISBN 978-607-8833-17-7.

284. **Martínez-Vázquez, M. L.**, Silva-Casarín, R., Jiménez-Orocio, O., Chávez-Cerón, V., Cruz-Ramírez, C. J., **Moreno-Casasola, P.**, **Vázquez-Hurtado, G.**, **López-Portillo, J. A.**, Mendoza-González, G., **García-Franco, J. G.**, **Castillo-Campos, G.**, **Lithgow-Serrano, A. D.** (2024). La zona costera del municipio Coatzacoalcos, Veracruz. ISBN 978-607-8833-22-1.

285. Silva-Casarín, R., Chávez-Cerón, V., Jiménez-Orocio, O., **Martínez-Vázquez, M. L.**, Cruz-Ramírez, C. J., **Vázquez-Hurtado, G.**, **López-Portillo, J. A.**, **Moreno-Casasola, P.**, Mendoza-González, G., **García-Franco, J. G.**, **Castillo-Campos, G.**, **Lithgow-Serrano, A. D.** (2024). La zona costera del municipio Agua Dulce, Veracruz. ISBN 978-607-8833-23-8.

Red de Estudios Moleculares Avanzados

Artículos indizados en JCR (Thomson Reuters)

286. **Barrera-Méndez, F.**, Licona-Velázquez, L. S., Miranda-Sánchez, D., Anguiano-Hernández, A. J., **Bonilla-Landa, I.**, **Olivares-Romero, J. L.**, Ortiz Castro, R., **Rosas-Saito, G. H.**, **Monribot-Villanueva, J. L.**, **Guerrero-Analco, J. A.**, Carmona-Hernández, O., Noa Carrazana, J. C. (2024). Nanoencapsulation of Antifungal Piper schlechtendalii Extract in Poly(lactide-co-glycolic) Acid to Enhance Photostability. J. Mex. Chem. Soc. 68(2), 332-343. <https://doi.org/10.29356/jmcs.v68i2.1964>. **FI 1.1.**

287. **Guerrero-Analco, J. A.**, **Angeles-Alvarez, G.**, **Lascurain-Rangel, M.**, **Avendaño-Reyes, S.**, Kiel-Martínez, A. L., **Bonilla-Landa, I.**, Linares, E., Bye, R., **Guillén, L.** (2023). Anatomical and chemical characterization of leaves from Oreopanax spp. (Araliaceae), the Mexican xoco tamale food complex. Bot. Sci. 102(1), 83-101. <https://doi.org/10.17129/botsci.3333>. **FI 1.1.**

288. Quintal Martínez, J. P., Quintal Ortiz, I. G., Alonso Salomón, L. G., García-Sosa, K., Peña Rodríguez, L. M., **Guerrero Analco, J. A.**, **Monribot Villanueva, J. L.**, **Vidal Limón, A. M.**, Segura Campos, M. R. (2023). Bioassay-guided identification of antithrombotic compounds from Cnidoscopus aconitifolius (Mill.) I. M. Jhonst.: molecular docking, bioavailability, and toxicity prediction. Journal of Biomolecular Structure and Dynamics. 42(4), 1692-1710. <https://doi.org/10.1080/07391102.2023.2214214>. **FI 2.7.**

289. Wong-Romero, J. I., **Vidal-Limon, A.**, Aguila, S. A. (2023). Laccase catalytic activity shielded by SiO₂ nanostructured materials: an *in vitro*





- and *in silico* approach. Journal of Biomolecular Structure and Dynamics. 42(9), 4902-4908. <https://doi.org/10.1080/07391102.2023.2223693>. **FI 2.7.**
290. Montejó-Alvaró, F., Vásquez-López, A., **Pariona, N.**, Mtz-Enriquez, A., Hernández-Sánchez, L., Rojas-Chávez, H., Cruz-Martínez, H. (2024). Antifungal activities of Cu and Cu₂O nanoparticles against Colletotrichum spp. Materials Letters. 365, 136399. <https://doi.org/10.1016/j.matlet.2024.136399>. **FI 2.7.**
291. Santiago-Santiago, M., Sánchez-Viveros, G., **Pariona, N.**, Hernández-Montiel, L. G., Chiquito-Contreras, R. G. (2024). ¿La nueva terapia para las plantas? – Los aceites esenciales para control de enfermedades en agricultura. ITEA. 120(2): 116-132. <https://doi.org/10.12706/itea.2024.005>. **FI 0.4.**
292. Barreda-Castillo, J. M., Pansarin, E. R., **Monribot-Villanueva, J. L., Guerrero-Analco, J. A.**, Menchaca-García, R. A. (2024). Allogamy, metaxenia and hybrids in orchids, what do we know about it? Bot. Sci. 102(3), 646-670. <https://doi.org/10.17129/botsci.3470>. **FI 1.1.**
293. Aguilar-Camacho, M., Gómez-Sánchez, C. E., Cruz-Mendivil, A., Luna-Vital, D. A., **Guerrero-Analco, J. A., Monribot-Villanueva, J. L.**, Gutiérrez-Urbe, J. A. (2024). Untargeted metabolomic analysis of Randia echinocarpa cell cultures treated with L-Tyrosine. Plant Cell Tiss Organ Cult. 158(1). <https://doi.org/10.1007/s11240-024-02808-3>. **FI 2.3.**
294. Juárez-Trujillo, N., Carrouché, S., Mendoza-López, M. R., **Monribot-Villanueva, J. L., Guerrero-Analco, J. A.**, Jiménez-Fernández, M. (2024). Influencia del tipo de recipiente y de los métodos tradicionales en el almacenamiento a largo plazo de la miel producida por Scaptotrigona mexicana sin aguijón: compuestos bioactivos y propiedades antioxidantes. Rev. Mex. Cienc. Pecu. 15(2), 323-343. <https://doi.org/10.22319/rmcp.v15i2.6458>. **FI 0.7.**
295. Pawar, T. J., Jimenez-Halla, J. O. C., Martinez-Valencia, D. I., Kokate, S. V., Delgado-Alvarado, E., **Olivares-Romero, J. L.** (2024). Investigation of Enantioselectivity Using TADDOL Derivatives as Chiral Ligands in Asymmetric Cyanation Reactions. ACS Omega. 9(26), 29035-29040. <https://doi.org/10.1021/acsomega.4c04399>. **FI 3.7.**
296. Chandole, P. K., Pawar, T. J., **Olivares-Romero, J. L.**, Tivari, S. R., Garcia Lara, B., Patel, H., Ahmad, I., Delgado-Alvarado, E., Kokate, S. V., Jadeja, Y. (2024). Exploration of novel cationic amino acid-enriched short peptides: design, SPPS, biological evaluation and in silico study. RSC Adv. 14(25), 17710-17723. <https://doi.org/10.1039/d3ra08313f>. **FI 3.9.**
297. Reyes-Luna, A., Yáñez-Barrientos, E., Alba-Mares, X. N., **Luis Olivares-Romero, J.**, Josabad Alonso-Castro, Á., Cruz Cruz, D., Villegas Gómez, C. (2024). Metabolomic Approaches in Assessing the Insecticidal Activity of the Extracts





- from Argemone ochroleuca Sweet (Papaveraceae) Against Three Diverse Crop Pests of Economic Importance. Chemistry **FI 2.3**.
298. Morales-Merida, B. E., Grimaldi-Olivas, J. C., Cruz-Mendívil, A., Villicaña, C., Valdez-Torres, J. B., Heredia, J. B., León-Chan, R. G., Lightbourn-Rojas, L. A., **Monribot-Villanueva, J. L., Guerrero-Analco, J. A., Ruiz-May, E.,** León-Félix, J. (2024). Integrating Proteomics and Metabolomics Approaches to Elucidate the Mechanism of Responses to Combined Stress in the Bell Pepper (*Capsicum annuum*). Plants. 13(13), 1861. <https://doi.org/10.3390/plants13131861>. **FI 4**.
299. Nieves-Campos, E. I., Méndez-Bravo, A., Pérez-Bautista, Y., Llanderal-Mendoza, J., **Guevara-Avedaño, E.,** Solís-García, I. A., Diyarza-Sandoval, N. A., Contreras-Ramos, S. M., Rodríguez-Campos, J., Méndez-Bravo, A., **Reverchon, F.** (2024). Antioomycete activity and plant growth promoting properties of avocado fungal endophytes. Rhizosphere. 31, 100931. <https://doi.org/10.1016/j.rhisph.2024.100931>. **FI 3.4**.
300. Sánchez-Miguel, P. E., Fortiz-De-Ita, J., **Monribot-Villanueva, J. L., Guerrero-Analco, J. A.,** Romero-De La Vega, G., Gutiérrez-Urbe, J. A., Cortés-Ferré, H. E. (2024). Interaction Between Salicylic or Ferulic Acid and Cellulase Used to Produce Phenolic Compounds Aggregates from "Jalapeño" (*Capsicum Annum* L.) Chili Pepper Seeds. ACS Food Sci. Technol. 4(5), 1248-1254. <https://doi.org/10.1021/acsfoodscitech.4c00066>. **FI 2.6**.
301. Aguilar-Méndez, E. D., **Monribot-Villanueva, J. L., Guerrero-Analco, J. A.,** De-la-Peña, C. (2024). Chlorophyll deficiency in Agave angustifolia Haw.: unveiling the impact on secondary metabolite production. Planta. 260(4). <https://doi.org/10.1007/s00425-024-04506-y>. **FI 3.6**.
302. Delgado-Alvarado, E., Figueroa-Navarro, M. A., Martínez-Castillo, J., García-González, L., Elvira-Hernández, E. A., Vallejo-Montesinos, J., Pawar, T. J., **Olivares-Romero, J. L.,** Herrera-May, A. L. (2024). Sustainable, eco-friendly, and cost-effective energy generation based on coffee grounds for self-powered devices and alarm systems. Sensors and Actuators A: Physical. 378, 115816. <https://doi.org/10.1016/j.sna.2024.115816>. **FI 4.1**.
303. Pawar, T. J., Bravo-Espinoza, I., Delgado-Alvarado, E., Ramos-Morales, F. R., **Aguirre-Vidal, Y., Olivares-Romero, J. L.** (2024). Synthesis, Insecticidal Activities, Toxicity Assessment, and Environmental Implications of (R)- and (S)-Proline-Derived Chiral Neonicotinoid Derivatives. ACS Agric. Sci. Technol. 4(9), 929-937. <https://doi.org/10.1021/acsagritech.4c00350>. **FI 2.4**.
304. Rodríguez-Becerra, S. H., Vázquez-Rivera, R., Ventura-Hernández, K. I., Pawar, T. J., **Olivares-Romero, J. L.** (2024). The Biology, Impact, and Management of



- Xyleborus Beetles: A Comprehensive Review. *Insects*. 15(9), 706. <https://doi.org/10.3390/insects15090706>. **FI 2.7.**
305. Ventura-Hernández, K. I., Delgado-Alvarado, E., Pawar, T. J., **Olivares-Romero, J. L.** (2024). Chirality in Insecticide Design and Efficacy. *J. Agric. Food Chem.* 72(38), 20722-20737. <https://doi.org/10.1021/acs.jafc.4c05363>. **FI 5.7.**
306. Infante-Rodríguez, D. A., Aguilar-Méndez, M. J., Landa-Cansigno, C., Vásquez-Morales, S. G., Velázquez-Narváez, A. C., **Valenzuela-González, J. E.**, Kiel-Martínez, A. L., **Monribot-Villanueva, J. L.**, **Guerrero-Analco, J. A.** (2024). Phytochemical composition of *riobotrya japonica* (Rosaceae) leaves extracts from central Veracruz, Mexico, and its effect on α -glucosidase enzyme inhibition. *Botanical Sciences*. 102(4), 1231-1250. <https://doi.org/10.17129/botsci.3487>. **FI 1.1.**
307. Rodríguez-Valdovinos, K. Y., Salgado-Garciglia, R., Hernández-García, A., Saavedra-Molina, A., del Río-Torres, R. E. N., López-Meza, J. E., **Monribot-Villanueva, J. L.**, **Guerrero-Analco, J. A.**, Medina-Medrano, J. R. (2024). Antioxidant and Antifungal Activities and Characterization of Phenolic Compounds Using Ultra-High Performance Liquid Chromatography and Mass Spectrometry (UPLC-MS) of Aqueous Extracts and Fractions from *Verbesina sphaerocephala* Stems. *Plants*. 13(19), 2791. <https://doi.org/10.3390/plants13192791>. **FI 4.**
308. Mayo-Montor, C. I., **Vidal-Limon, A.**, Loyola-Vargas, V. M., Carmona-Hernández, O., Barreda-Castillo, J. M., **Monribot-Villanueva, J. L.**, **Guerrero-Analco, J. A.** (2024). Targeting Hypoglycemic Natural Products from the Cloud Forest Plants Using Chemotaxonomic Computer-Assisted Selection. *IJMS*. 25(20), 10881. <https://doi.org/10.3390/ijms252010881>. **FI 4.9.**
309. Rodríguez-Tobías, H., Enríquez-Medrano, F. J., Salinas-Hernández, M., Cabello-Romero, J. N., Maldonado-Textle, H., Mendoza-Carrizales, R., Díaz-Elizondo, J., **Olivares-Romero, J. L.**, de León, R. D. (2024). Toward new applications of terpenes in polymeric materials: Synthesis and characterization of myrcene-modified unsaturated polyester resins. *J of Applied Polymer Sci.* 142(3). <https://doi.org/10.1002/app.56381>. **FI 2.7.**
310. Caña-Bozada, V. H., Huerta-Ocampo, J. Á., Bojórquez-Velázquez, E., **Elizalde-Contreras, J. M.**, **Ruiz-May, E.**, Morales-Serna, F. N. (2024). Proteomic analysis of *Neobenedenia* sp. and *Rhabdosynochus viridisi* (Monogenea, Monopisthocotylea): Insights into potential vaccine targets and diagnostic markers for finfish aquaculture. *Veterinary Parasitology*. 329, 110196. <https://doi.org/10.1016/j.vetpar.2024.110196>. **FI 2.**





311. Piña-Dominguez, I. A., Viveros-Contreras, R., Hernández-Rodríguez, D., Pacheco-López, N. A., **Elizalde-Contreras, J. M.**, Bojórquez-Velázquez, E., **Ruiz-May, E.**, Melgar-Lalanne, G. (2024). Chicatana ant (Atta mexicana) as a potential source of biologically active substances. Journal of Food Composition and Analysis. 134, 106559. <https://doi.org/10.1016/j.jfca.2024.106559>. **FI 4.**
312. Lino-López, G. J., **Ruiz-May, E.**, **Elizalde-Contreras, J. M.**, Jiménez-Vargas, J. M., Rodríguez-Vázquez, A., González-Carrillo, G., Bojórquez-Velázquez, E., García-Villalvazo, P. E., Bermúdez-Guzmán, M. D. J., Zatarain-Palacios, R., Vázquez-Vuelas, O. F., Valdez-Velázquez, L. L., Corzo, G. (2024). Proteomic Analysis of Heloderma horridum horridum Venom: Assessment to Its Transcriptome and Newfound Proteins. J. Proteome Res. 23(8), 3638-3648. <https://doi.org/10.1021/acs.jproteome.4c00287>. **FI 3.8.**
313. Meza-Menchaca, T., Albores-Medina, A., Heredia-Mendez, A. J., **Ruiz-May, E.**, Ricaño-Rodríguez, J., Gallegos-García, V., Esquivel, A., Vettoretti-Maldonado, G., Campos-Parra, A. D. (2024). Revisiting Epigenetics Fundamentals and Its Biomedical Implications. IJMS. 25(14), 7927. <https://doi.org/10.3390/ijms25147927>. **FI 4.9.**
314. Granados-Alegría, M. I., Canto-Canché, B., Gómez-Tah, R., Félix, J. W., Tzec-Simá, M., **Ruiz-May, E.**, Islas-Flores, I. (2024). Proteomic Profiling of Cocos nucifera L. Zygotic Embryos during Maturation of Dwarf and Tall Cultivars: The Dynamics of Carbohydrate and Fatty Acid Metabolism. IJMS. 25(15), 8507. <https://doi.org/10.3390/ijms25158507>. **FI 4.9.**
315. Camacho-Vázquez, C., **Elizalde-Contreras, J. M.**, Reyes-Soria, F. A., **Monribot-Villanueva, J. L.**, **Guerrero-Analco, J. A.**, Juárez-Escobar, J., **Velázquez-López, O.**, Meza-Menchaca, T., Bojórquez-Velázquez, E., **Zamora-Briseño, J. A.**, Ramírez-Vázquez, M., González Barrenechea, G. A., **Ibarra-Laclette, E.**, **Ruiz-May, E.** (2024). Towards Characterization of Hass Avocado Peel and Pulp Proteome during Postharvest Shelf Life. Proteomes. 12(4), 28. <https://doi.org/10.3390/proteomes12040028>. **FI 4.**
316. Ramírez-Rodas, Y. C., Arévalo-Galarza, M. D. L., Cadena-Iñiguez, J., Soto-Hernández, R. M., Peña-Valdivia, C. B., **Guerrero-Analco, J. A.**, **Monribot-Villanueva, J. L.**, San Miguel-Chávez, R. (2024). Metabolomic analyses during chayote (Sechium edule var. virens levis) seed germination under the influence of growth regulators. Current Plant Biology. 40, 100407. <https://doi.org/10.1016/j.cpb.2024.100407>. **FI 5.4.**
317. Quintal-Bojórquez, N. D. C., **Vidal-Limón, A.**, Antunes-Ricardo, M., Segura-Campos, M. R. (2024). Integrated in silico and in vitro evaluation of five anticancer



- peptides identified from *Salvia hispanica*. *Process Biochemistry*. 146, 364-376. <https://doi.org/10.1016/j.procbio.2024.09.012>. **FI 3.7.**
318. Vázquez, K. R. J., López-Hernández, J., García-Cárdenas, E., Pelagio-Flores, R., López-Bucio, J. S., Téxon, A. C., **Ibarra-Laclette, E.**, López-Bucio, J. (2023). The plant growth promoting rhizobacterium *Achromobacter* sp. 5B1, rescues *Arabidopsis* seedlings from alkaline stress by enhancing root organogenesis and hormonal responses. *Microbiological Research*. 281, 127594. <https://doi.org/10.1016/j.micres.2023.127594>. **FI 6.1.**
319. Olalde Portugal, V., Méndez Cortés, H., Navarro Rodríguez, A. M. D. P., **Ibarra Laclette, E.**, Ramón Farías, F. (2024). Evidencia ecológica de la relación de *Croton draco* var. *draco* Schltdl & Cham. con hongos micorrizógenos. *Bot. sci.* 102(3), 698-712. <https://doi.org/10.17129/botsci.3412>. **FI 1.1.**
320. **Ibarra-Laclette, E.**, Martínez-Rodríguez, L. A., **Hernández-Domínguez, E. E.**, Olivares-Miranda, M., Rodríguez-Haas, B., Villafán, E., Pérez-Torres, C., **Sánchez-Rangel, D.** (2024). Unravelling transcriptional responses of the willow to *Fusarium kuroshium* infection. *Physiological and Molecular Plant Pathology*. 133, 102379. <https://doi.org/10.1016/j.pmpp.2024.102379>. **FI 2.8.**
321. Pale, M., Pérez-Torres, C., Arenas-Huertero, C., **Villafán, E.**, **Sánchez-Rangel, D.**, **Ibarra-Laclette, E.** (2024). Genome-Wide Transcriptional Response of Avocado to *Fusarium* sp. Infection. *Plants*. 13(20), 2886. <https://doi.org/10.3390/plants13202886>. **FI 4.**
322. Tinoco-Domínguez, E., González-Elizondo, M. S., **Lira-Noriega, A.** (2024). American mistletoes: A dataset of *Phoradendron* species and their hosts across their distribution range. *Ecology*. 105(10). <https://doi.org/10.1002/ecy.4394>. **FI 4.4.**
323. Araya-Donoso, R., Bidy, A., Munguía-Vega, A., **Lira-Noriega, A.**, Dolby, G. A. (2024). Habitat quality or quantity? Niche marginality across 21 plants and animals suggests differential responses between highland and lowland species to past climatic changes. *Ecography*. 2024(9). <https://doi.org/10.1111/ecog.07391>. **FI 5.4.**
324. Chiou, K. L., **Lira-Noriega, A.**, Gallaga, E., Hastorf, C. A., Aguilar-Meléndez, A. (2024). Interdisciplinary insights into the cultural and chronological context of chili pepper (*Capsicum annuum* var. *annuum* L.) domestication in Mexico. *Proc. Natl. Acad. Sci. U.S.A.* 121(47). <https://doi.org/10.1073/pnas.2413764121>. **FI 9.4.**
325. Esparza-Orozco, A., **Lira-Noriega, A.** (2024). Use of secondary diversity data to improve diversity estimates at multiple geographic scales. *Biodivers Conserv.* 33(6-7), 2071-2088. <https://doi.org/10.1007/s10531-024-02844-7>. **FI 3.**



326. Fadda, L. A., Osorio-Olvera, L., **Ibarra-Juárez, L. A.**, Soberón, J., **Lira-Noriega, A.** (2024). Predicting the dispersal and invasion dynamics of ambrosia beetles through demographic reconstruction and process-explicit modeling. *Sci Rep.* 14(1). <https://doi.org/10.1038/s41598-024-57590-1>. **FI 3.8.**
327. Andraca-Gómez, G., Ordano, M., **Lira-Noriega, A.**, Osorio-Olvera, L., Domínguez, C. A., Fornoni, J. (2024). Climatic and soil characteristics account for the genetic structure of the invasive cactus moth *Cactoblastis cactorum*, in its native range in Argentina. *PeerJ.* 12, e16861. <https://doi.org/10.7717/peerj.16861>. **FI 2.3.**
328. **Aguirre-Vidal, Y.**, Montes, S., Mota-López, A. C., Navarrete-Vázquez, G. (2024). Antidiabetic drugs in Parkinson's disease. *Clinical Parkinsonism & Related Disorders.* 11, 100265 **FI 1.9.**
329. Buitrago-Guacaname, A., Molineri, C., **Lira-Noriega, A.**, Dos Santos, D. A. (2024). Elevation transition of aquatic insects closely matches a thermal feature in the Yungas of Northwestern Argentina. *J. Mt. Sci.* 21(2), 433-448. <https://doi.org/10.1007/s11629-023-8245-9>. **FI 2.3.**
330. Bohn, A., Capellesso, E. S., Labiak, P. H., **Lira-Noriega, A.**, Zwiener, V., Marques, M. C. M. (2024). Importance of habit and environmental characteristics in shaping patterns of richness and range size of ferns and lycophytes in the Atlantic Forest. *American J of Botany.* 111(11). <https://doi.org/10.1002/ajb2.16437>. **FI 2.4.**
331. Bautista-Valle, M. V., Camacho-Vazquez, C., **Elizalde-Contreras, J. M., Monribot-Villanueva, J. L., Vidal-Limón, A.,** Bojórquez-Velázquez, E., **Zamora-Briseño, J. A.,** Jorin-Novo, J. V., **Ruiz-May, E.** (2023). Comparing and integrating TMT-SPS-MS3 and label-free quantitative approaches for proteomics scrutiny in recalcitrant Mango (<i>Mangifera indica</i> L.) peel tissue during postharvest period. *Proteomics.* 24(5). <https://doi.org/10.1002/pmic.202300239>. **FI 3.4.**
332. Piña-Dominguez, I., **Ruiz-May, E.,** Hernández-Rodriguez, D., Zepeda, R., Melgar-Lalanne, G. (2023). Bioactivity of the edible part of Chicatana ant (*Atta mexicana*, Smith 1858) and its protein concentrate. *J. Insects Food Feed.* 10(4), 689-697. <https://doi.org/10.1163/23524588-20230171>. **FI 4.7.**
333. Ortiz-Mendoza, N., **Monribot-Villanueva, J. L., Guerrero-Analco, J. A.,** Martínez-Gordillo, M. J., Basurto-Peña, F. A., Aguirre-Hernandez, E., Soto-Hernández, M. (2024). Comparative Metabolomic Analysis and Antinociceptive Effect of Methanolic Extracts from *Salvia cinnabarina*, *Salvia lavanduloides* and *Salvia longispicata*. *Molecules.* 29(22), 5465. <https://doi.org/10.3390/molecules29225465>. **FI 4.2.**
334. Ramírez-Pool, J. A., Calderón-Pérez, B., Ruiz-Medrano, R., **Ortiz-Castro, R.,** Xoconostle-Cazares, B. (2024). *Bacillus* Strains as Effective Biocontrol Agents





- Against Phytopathogenic Bacteria and Promoters of Plant Growth. *Microb Ecol.* 87(1). <https://doi.org/10.1007/s00248-024-02384-1>. **FI 3.3.**
335. Bojórquez-Velázquez, E., **Zamora-Briseño, J. A.**, Barrera-Pacheco, A., Espitia-Rangel, E., Herrera-Estrella, A., Barba de la Rosa, A. P. (2024). Comparative Proteomic Analysis of Wild and Cultivated Amaranth Species Seeds by 2-DE and ESI-MS/MS. *Plants.* 13(19), 2728. <https://doi.org/10.3390/plants13192728>. **FI 4.**
336. **Zamora-Briseño, J. A.**, Schunke, J. M., Arteaga-Vázquez, M. A., Arredondo, J., Tejeda, M. T., Ascencio-Ibáñez, J. T., Díaz-Fleischer, F. (2024). Transcriptional response of laboratory-reared Mexican fruit flies (*Anastrepha ludens* Loew) to desiccation. *Bull. Entomol. Res.* 114(4), 563-570. <https://doi.org/10.1017/s0007485324000373>. **FI 1.6.**
337. Alvarado-Robledo, E. J., Hernández-Velázquez, I. M., Guillén-Navarro, K., Diego-García, E., Zarza, E., **Zamora-Briseño, J. A.** (2024). Metabarcoding: opportunities for accelerating monitoring and understanding insect tropical biodiversity. *J Insect Conserv.* 28(4), 589-604. <https://doi.org/10.1007/s10841-024-00584-1>. **FI 1.9.**
338. González-Penagos, C. E., **Zamora-Briseño, J. A.**, Améndola-Pimenta, M., Cruz-Quintana, Y., Santana-Piñeros, A. M., Torres-García, J. R., Cañizares-Martínez, M. A., Pérez-Vega, J. A., Peñuela-Mendoza, A. C., Rodríguez-Canul, R. (2024). Sargassum spp. Ethanolic Extract Elicits Toxic Responses and Malformations in Zebrafish (*Danio rerio*) Embryos. *Environmental Toxicology and Chemistry.* 43(5), 1075-1089. <https://doi.org/10.1002/etc.5840>. **FI 3.6.**
339. Gálvez-Ramírez, A., González-Valdez, A., Hernández-Ochoa, B., Canseco-Ávila, L. M., López-Roblero, A., Arreguin-Espinosa, R., Pérez de la Cruz, V., Hernández-Urzuá, E., Cárdenas-Rodríguez, N., Enríquez-Flores, S., De la Mora-De la Mora, I., **Vidal-Limón, A.**, Gómez-Manzo, S. (2024). Evaluation of Three Mutations in Codon 385 of Glucose-6-Phosphate Dehydrogenase via Biochemical and In Silico Analysis. *IJMS.* 25(23), 12556. <https://doi.org/10.3390/ijms252312556>. **FI 4.9.**
340. Salazar-Rivera, G. I., Pereira-Santana, A., Hernández-Velázquez, I. M., Olivares-Miranda, M., **Ibarra-Laclette, E.**, Gschaedler Mathis, A. C., Enríquez-Vara, J. N., **Zamora-Briseño, J. A.** (2024). Disentangling the gut bacterial communities of the agave weevil, *Scyphophorus acupunctatus* (Coleoptera: Curculionidae). *Symbiosis.* 92(3), 381-392. <https://doi.org/10.1007/s13199-024-00978-4>. **FI 2.1.**
341. Tinoco-Tafolla, H. A., López-Hernández, J., **Ortiz-Castro, R.**, López-Bucio, J., Reyes de la Cruz, H., Campos-García, J., López-Bucio, J. S. (2024). Sucrose supplements modulate the *Pseudomonas chlororaphis*-*Arabidopsis thaliana* interaction via decreasing the production of phenazines and enhancing the root





- auxin response. Journal of Plant Physiology. 297, 154259. <https://doi.org/10.1016/j.jplph.2024.154259>. **FI 4.**
342. Infante-Rodríguez, D. A., Aguilar-Méndez, M. J., Landa-Cansigno, C., Juaréz-Trujillo, N., Vásquez-Morales, S. G., **Valenzuela-González, J. E.**, Kiel-Martínez, A. L., **Monribot-Villanueva, J. L.**, **Guerrero-Analco, J. A.** (2024). Phenolic and volatile compounds, total protein content, antioxidant and antidiabetic activities of leaves of *Palicourea padifolia* (Rubiaceae). Acta Bot. Mex. (131). <https://doi.org/10.21829/abm131.2024.2405>. **FI 0.7.**
343. Bhagwat, S. K., Pawar, T. J., Kulkarni, S. A., Patil, A. A., More, R. A., Jimenez-Halla, J. O. C., Alvarado-Salazar, J. A., **Olivares-Romero, J. L.**, Muteeb, G., Delgado-Alvarado, E., Patil, S. V. (2024). Synthesis, characterization, biological activities, and computational studies of pyrazolyl-thiazole derivatives of thiophene. RSC Adv. 14(52), 39004-39016. <https://doi.org/10.1039/d4ra06228k>. **FI 3.9.**
344. Uuh-Narvaez, J. J., **Guerrero-Analco, J. A.**, **Monribot-Villanueva, J. L.**, Campos, M. R. S. (2024). Mechanistic in vitro study of the effect of *Cucurbita moschata* (Cucurbitaceae) on carbohydrate digestive enzymes. Journal of Food Science. 89(12), 9923-9935. <https://doi.org/10.1111/1750-3841.17476>. **FI 3.2.**

Artículos publicados en revistas arbitradas no consideradas en índices JCR y CONAHCYT

345. **Guevara-Avendaño, E.**, Solís-García, I. A., Méndez-Bravo, A., Pineda-García, F., Angeles-Alvarez, G., **Madero-Vega, C.**, Fernández-Pavía, S. P., Mondragón-Flores, A., **Reverchon, F.** (2023). *Bacillus* sp. A8a reduces leaf wilting by *Phytophthora* and modifies tannin accumulation in avocado. RMF, MJP. 42(1). <https://doi.org/10.18781/r.mex.fit.2309-2>.
346. Zaldívar-Cruz, J. M., Arias-De la Cruz, H. L., **Ruiz-May, E.**, Hernández-Nataren, E., Sol- Sánchez, Á., Nila-Méndez, A. G. (2024). Honey as a micro-bacterial agent: identification method of the compounds that inhibit pathogenic bacteria. AP. <https://doi.org/10.32854/agrop.v17i8.2631>.

Capítulo de libro

347. Sepúlveda, E., Diyarza-Sandoval, N. A., **Guevara-Avendaño, E.**, Meza-Contreras, Jenny J., **Reverchon-Frédérique, L.** (2024). Plant growth-promoting microorganisms from native plants: an untapped resource of biocontrol and biofertilizer agents. . En Ajay Kumar, Gustavo Santoyo and Joginder Singh(Ed), Biocontrol Agents for Improved Agriculture. (pp. 29-66). Elsevier. ISBN 978-0-443-15199-6.





348. Hosseini-Bai, S., Farrar, M. B., Gallart, M., Reverchon-Frédérique, L., Taherymoosavi, Sarasadat ; Omidvar, Negar; Kichamu-Wachira, Edith; Joseph, Stephen. (2024). Biochar effects on nutrient leaching. En Johannes Lehmann, Stephen Joseph (Ed), Biochar for Environmental Management, 3rd edition. (pp. 489-511). Routledge. ISBN 978-1003297673.

Red de Interacciones Multitróficas

Artículos indizados en JCR (Thomson Reuters)

349. Lucas-García, R., **Aguirre-Jaimes, A.**, Quijano-Cuervo, L. G., **Novais, S.** (2023). Are expanding rolled leaves of aroids used as shelter sites by arthropods? Effects of leaf size and environmental context. *Arthropod-Plant Interactions*. 18(1), 43-53. <https://doi.org/10.1007/s11829-023-10017-6>. **FI 1.2.**
350. Hernández-López, M., **Hernández-Ortiz, V.** (2024). Descriptions of six new Mexican species of the genus *Blepharoneura* (Diptera, Tephritidae) belonging to the femoralis species-group. *Zootaxa*. 5448(2), 225-247. <https://doi.org/10.11646/zootaxa.5448.2.4>. **FI 0.8.**
351. Navarro-Ulloa, E., Ruiz Guerra, B., **Díaz Castelazo, C.**, Rico-Gray, V., Del-Claro, K., **Aguirre-Jaimes, A.** (2024). Temporal and spatial variation in extrafloral nectar and associated ants in *Canavalia rosea* (Fabaceae) on coastal dunes along the Gulf of Mexico. *Écoscience*. 30(3-4), 247-257. <https://doi.org/10.1080/11956860.2024.2303190>. **FI 1.3.**
352. Delgado-Carrillo, O., Martén-Rodríguez, S., Ramírez-Mejía, D., **Novais, S.**, Quevedo, A., Ghilardi, A., Sayago, R., Lopezaraiza-Mikel, M., Pérez-Trujillo, E., Quesada, M. (2024). Pollination services to crops of watermelon (*Citrullus lanatus*) and green tomato (*Physalis ixocarpa*) in the coastal region of Jalisco, Mexico. *PLoS ONE*. 19(7), e0301402. <https://doi.org/10.1371/journal.pone.0301402>. **FI 2.9.**
353. Senties-Aguilar, E., Martén-Rodríguez, S., Huerta-Ramos, G., Díaz-Infante, S., López-Segoviano, G., **Aguirre-Jaimes, A.**, Quesada-Avendaño, M., Cortés-Flores, J., Arizmendi, M. (2024). Elevational and Seasonal Patterns of Plant-Hummingbird Interactions in a High Tropical Mountain. *Ecology and Evolution*. 14(10). <https://doi.org/10.1002/ece3.70469>. **FI 2.3.**
354. Bernal-Hernández, M. E., Beltrán-López, R. G., Robertson, D. R., Baldwin, C. C., Espinoza, E., **Martínez-Gómez, J. E.**, Barraza, E., Angulo, A., Valdiviezo-Rivera, J., Acosta, A. F. G., Domínguez-Domínguez, O. (2024). Cryptic Diversity in *Scorpaenodes xyris* (Jordan & Gilbert 1882) (Scorpaeniformes: Scorpaenidae) Throughout the Tropical Eastern Pacific. *J Mol Evol*. 92, 842-860. <https://doi.org/10.1007/s00239-024-10212-w>. **FI 2.**





355. LaPergola, J. B., **Martínez-Gómez, J. E.**, Curry, R. L. (2024). Confirmed nesting of Common Pauraque (*Nyctidromus albicollis*) on Isla Cozumel, Quintana Roo, Mexico. *The Wilson Journal of Ornithology*. 136(2), 262-269. <https://doi.org/10.1676/23-00032>. **FI 0.4.**

Capítulo de libro

356. Oki, Yumi; Alves-Da Silva, K. F., Díaz-De Freitas, C., Ramos, L., Saloméa, R., Simone- De Freitas, G., Munck, I., Figueiredo-Goulart, F., De Jong, D., **Matos-Antunes De Novais, S.**, Pedroni, F., Sánchez, M., Castelan, K., Moreira, N., Quesada, M., Kenedy- Siqueira, W., Pereira-Costa, L., Amaro-De Souza, F., Wilson-Fernandez, G. (2024). Uso da ciência cidadã e ecologia da paisagem para entender a saúde das abelhas no Brasil. En Ana Lúcia Delgado Assad y Kátia Paula Aleixo(Ed), *Ciência das Abelhas – Pesquisa e desenvolvimento sobre polinizadores e polinização*. (pp. 36-56). Associação Brasileira de Estudos das Abelhas (A:B:E:L:H:A). ISBN 978-65-980272-3-0.

Red de Manejo Biorracional de Plagas y Vectores

Artículos indizados en JCR (Thomson Reuters)

357. Brena-Melendez, A., Garcia-Amezquita, L. E., Liceaga, A., **Pascacio-Villafán, C.**, Tejada-Ortigoza, V. (2024). Novel food ingredients: Evaluation of commercial processing conditions on nutritional and technological properties of edible cricket (*Acheta domesticus*) and its derived parts. *Innovative Food Science & Emerging Technologies*. 92, 103589. **FI 6.3.**
358. García-Saldaña, E. A., Cerqueda-García, D., **Ibarra-Laclette, E.**, **Aluja, M.** (2024). Insights into the differences related to the resistance mechanisms to the highly toxic fruit *Hippomane mancinella* (Malpighiales: Euphorbiaceae) between the larvae of the sister species *Anastrepha acris* and *Anastrepha ludens* (Diptera: Tephritidae) through comparative transcriptomics. *Front. Physiol.* 15. <https://doi.org/10.3389/fphys.2024.1263475>. **FI 3.2.**
359. Castro-López, C., **Pascacio-Villafán, C.**, **Aluja, M.**, García, H. S., González-Córdova, A. F., Vallejo-Cordoba, B., Hernández-Mendoza, A. (2022). Safety Assessment of the Potential Probiotic Bacterium *Limosilactobacillus fermentum* J23 Using the Mexican Fruit Fly (*Anastrepha ludens* Loew, Diptera: Tephritidae) as a Novel In Vivo Model. *Probiotics & Antimicro. Prot.* 16, 233–248 (2024). <https://doi.org/10.1007/s12602-022-10034-6>. **FI 4.4.**



360. Bond, J. G., Osorio, A. R., Marina, C. F., Dor, A., Liedo, P., **Williams, T.** (2022). Egg number quantification for mass-rearing of *Aedes aegypti* and *Aedes albopictus*: validation by direct measurement. *International Journal of Pest Management*. 70(1), 1-6. <https://doi.org/10.1080/09670874.2022.2155725>. **FI 1.1.**
361. **Lasa, R.**, Aguas-Lanzagorta, S., **Williams, T.** (2024). Fly responses to food colour, orientation and toxic bait composition in *Drosophila suzukii*. *J Applied Entomology*. 148(3), 339-350. <https://doi.org/10.1111/jen.13229>. **FI 1.7.**
362. **Lasa, R., Williams, T.** (2024). Efficacy of alkaline hydrolyzed torula yeast for monitoring *Anastrepha* spp. *Entomologia Exp Applicata*. 172(3), 261-269. <https://doi.org/10.1111/eea.13404>. **FI 1.4.**
363. **Lasa, R.**, Córdova-García, G., Navarro-de-la-Fuente, L., **Williams, T.** (2023). Sticky traps and water pan traps to monitor *Delia planipalpis* (Diptera: Anthomyiidae), an emerging pest of broccoli in Mexico. *Crop Protection*. 176, 106495. <https://doi.org/10.1016/j.cropro.2023.106495>. **FI 2.5.**
364. Molina-Ruiz, C. S., **Zamora-Briseño, J. A.**, Simón, O., **Lasa, R., Williams, T.** (2024). A qPCR Assay for the Quantification of Selected Genotypic Variants of *Spodoptera frugiperda* Multiple Nucleopolyhedrovirus (Baculoviridae). *Viruses*. 16(6), 881. <https://doi.org/10.3390/v16060881>. **FI 3.8.**
365. Real-Santillán, R. O., del-Val, E., **Williams, T.**, Martínez-Castillo, A. M., Gavito, M. E., Contreras-Cornejo, H. Á., Díaz, T., García-Gómez, G., Larsen, J. (2023). Water stress decreases the biocontrol efficacy of a nucleopolyhedrovirus against the fall armyworm on maize. *J Pest Sci*. 97(3), 1315-1324. <https://doi.org/10.1007/s10340-023-01700-x>. **FI 4.3.**
366. **Aluja, M., Acosta, E., Enciso-Ortiz, E., Ortega-Casas, R., Altúzar-Molina, A., Camacho-Vázquez, C., Monribot-Villanueva, J. L., Guerrero-Analco, J. A., Pascacio-Villafán, C., Guillén, L.** (2024). Expansion to new habitats and a new commercial host (*Malus domestica*) by *Anastrepha ludens* (Tephritidae) likely influenced by global warming. *Sci Rep*. 14(1). <https://doi.org/10.1038/s41598-024-78727-2>. **FI 3.8.**
367. **Aluja, M.**, Cerqueda-García, D., **Altúzar-Molina, A., Guillén, L., Acosta-Velasco, E.**, Conde-Alarcón, J., Moya, A. (2024). Geographic variation and core microbiota composition of *Anastrepha ludens* (Diptera: Tephritidae) infesting a single host across latitudinal and altitudinal gradients. *PeerJ*. 12, e18555. <https://doi.org/10.7717/peerj.18555>. **FI 2.3.**
368. Toledo-Hernández, R. A., **Lasa, R.**, Montoya, P., Liedo, P., Sánchez, D., Rodríguez, D., Pulido, M., Toledo, J. (2024). Laboratory evaluation of 15 entomopathogenic fungal spore formulations on the mortality of *Drosophila suzukii* (Diptera:





Drosophilidae), related drosophilids, and honeybees. . 107(1).
<https://doi.org/10.1515/flaent-2024-0008>. **FI 1.1.**

Artículos publicados en revistas arbitradas no consideradas en índices JCR y CONAHCYT

369. García-Olivos, N. L., **Lasa-Covarrubias, R.**, Serna-Lagunes, R., Garcia-Martinez, M. A. (2024). Local and landscape constraints of adult population of *Anastrepha obliqua* (Diptera: Tephritidae) in mango orchards. *Rev. Biol. Trop.* 72(1), e56840. <https://doi.org/10.15517/rev.biol.trop.v72i1.56840>.

Capítulo de libro

370. **Aluja, M.**, Ovruski, S., Mello-García, F., Hurtado, M., Enkerlin, W. (2024). Fruit Fly (Tephritidae) Management in the Neotropical Region: History, State of the Art, and Perspectives. En Flávio Roberto Mello Garcia(Ed), *Management of Fruit Flies in the Americas*. (pp. 11-66). Springer. ISBN 978-3-031-48607-4.
371. **Aluja, M., Guillén-Conde, L., Pascacio-Villafán, C.**, Juárez-Durán, M., Miranda-Salcedo, M., Liedo, P. (2024). Management of Economically Important Native and Exotic Fruit Fly (Tephritidae) Species in Mexico. En Flávio Roberto Mello Garcia(Ed), *Management of Fruit Flies in the Americas*. (pp. 355-406). Springer. ISBN 978-3-031-48607-4.
372. **Lasa-Covarrubias, R.**, Rull, J., Suárez, L., Mello, F., **Williams, T.**, Díaz-Fleischer, F. (2024). Monitoring and mass trapping of fruit flies (Diptera: Tephritidae) in the Americas. En Flávio Roberto Mello Garcia(Ed), *Management of Fruit Flies in the Americas*. (pp. 67-126). Springer. ISBN 978-3-031-48607-4.

Red de Manejo Biotecnológico de Recursos

Artículos indizados en JCR (Thomson Reuters)

373. Rugolo, M., Barroetaveña, C., Barrett, M. D., **Mata, G.**, Hood, I. A., Rajchenberg, M., Pildain, M. B. (2022). Phylogenetic relationships and taxonomy of *Grifola* (Polyporales). *Mycol Progress.* 22(1). <https://doi.org/10.1007/s11557-022-01857-2>. **FI 2.1.**
374. Zapotecas-Tetla, P. J., Ortega-Camacho, D., Estrada-Medina, H., **Hernández-Alarcón, E.**, Acosta-González, G., Cejudo, E. (2024). Hydrogeochemical Influence on the Nitrogen and Phosphorus Concentration and Stocks in Herbaceous Karst Wetlands. *Wetlands.* 44(11). <https://doi.org/10.1007/s13157-023-01764-6>. **FI 1.8.**





375. Del Refugio Cabañas-Mendoza, M., **Olguín, E. J., Sánchez-Galván, G., Melo, F. J., Alvarado-Barrientos, M. S.** (2024). Contribution of the root system of *Cyperus papyrus* and *Pontederia sagittata* to microplastic removal in floating treatment Wetlands in two urban ponds. *Ecological Engineering*. 206, 107334. <https://doi.org/10.1016/j.ecoleng.2024.107334>. **FI 3.9.**
376. Marín-Muñiz, J. L., **Hernández, M. E.,** Zamora Castro, S. (2024). Ornamental Plant Growth in Different Culture Conditions and Fluoride and Chloride Removals with Constructed Wetlands. *Hydrology*. 11(11), 182. <https://doi.org/10.3390/hydrology11110182>. **FI 3.1.**
377. Cruz-Villegas, I., Chen, J., **Mata, G.,** Andrés-Meza, P., Llarena-Hernández, R. C., García-Martínez, M. Á. (2025). Identificación Molecular Y Cultivo De Cepas Silvestres De *Pleurotus* Spp. De Veracruz, México. *RevFitotecMex*. 47(4), 391. <https://doi.org/10.35196/rfm.2024.4.391>. **FI 0.4.**
378. Ángeles-Argáiz, R. E., Cruz-Gutiérrez, R., Medel-Ortiz, R., Pérez-Moreno, J., **Velázquez-López, O. E., Mata, G.** (2024). Recognizing symbiotic compatibility between *Laccaria trichodermophora* and *Pinus teocote*. *Symbiosis*. 94(2-3), 151-164. <https://doi.org/10.1007/s13199-024-01021-2>. **FI 2.1.**

Artículos publicados en revistas registradas en el SCRMCT (CONAHCYT)

379. González-De la Tijera, M., **Mata, G.,** Trigos, A., **G. Salmones-Blásquez, D.** (2024). Production of the "maguey mushroom" *Pleurotus agaves* on formulated substrates. 55, 1-12.
380. Vargas-Mendoza, Y., Santiago-García, P. A., Soto-Castro, D., **Gaitán Hernández, R.** (2024). Establecimiento de una unidad de producción familiar de *Pleurotus* spp. En una comunidad rural de Oaxaca, México. *ASYD*. 21(4). <https://doi.org/10.22231/asyd.v21i4.1660>.

Artículos publicados en revistas arbitradas no consideradas en índices JCR y CONAHCYT

381. González-Rivadeneira, D., Marín-Muñiz, J., **Hernández-Alarcón, M.** (2024). Remoción de contaminantes en aguas residuales mediante humedales bioingenieriles domiciliarios con diferente tipo de sustrato y sembrados con *Strelitzia Reginae*. *JEEOS*. 8(1), 1-14. <https://doi.org/10.19136/jeeos.a8n1.5666>.
382. Junca-Gomez, D., **Hernández-Alarcón, M. E.,** Marín-Muñiz, J. (2024). Charlas educativas no formales en parques de Xalapa, Veracruz: una visión hacia el conocimiento y conservación de humedales naturales urbanos. *Eduscientia*. 11, 61-72.



383. Salinas-Rodríguez, M., Zamudio-Ruiz, S., **Mata-Rosas, M.**, Hernández-Rendón, J. (2024). La riscoperta di Pinguicula "Sierra Oscura". AIPC magazine. 75, 12-23.

Capítulo de libro

384. López-Roldan, A., Marin-Muñiz, J., Hernández-Alarcón, M. E. (2024). Análisis reflexivo del uso de redes sociales como estrategia de educación ambiental para diseñar una propuesta educativa sobre la importancia de humedales naturales urbanos y sus servicios ecosistémicos: criterios de diseño. En Gonzalo Ortega Pineda, Nora Ruth Ronquillo Benito(Ed), La educación, un camino seguro para el futuro. (pp. 154-176). Universidad IVES. ISBN 978-607-69930-1-9.
385. Marin-Muñiz, J., Hernández-Alarcón, M. E. (2024). Evaluación de cambios de percepción y conocimiento sobre humedales y sus servicios ambientales entre jóvenes de monte gordo, Veracruz, antes y después de implementar educación ambiental. En Gonzalo Ortega Pineda, Nora Ruth Ronquillo Benito(Ed), La educación, un camino seguro para el futuro. (pp. 135-153). Universidad IVES. ISBN 978-607-69930-1-9.

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Artículos indizados en JCR (Thomson Reuters)

386. San Martín-Cruz, M. A., **Villegas-Patraca, R.**, Martínez-Gómez, J. E., Ruelas Inzunza, E. (2024). Raptors of a Neotropical city: diversity and habitat relationships along an urbanization gradient. Urban Ecosyst. 27(3), 927-940. <https://doi.org/10.1007/s11252-023-01495-w>. **FI 2.5.**
387. Faustino, I. A. T., MacGregor-Fors, I., Flores, M. J., **Guevara, R., Villegas-Patraca, R., Dáttilo, W.** (2024). Disentangling the complexity of plant-bird relationships: From monolayer to multilayer network perspectives. Food Webs. 40, e00359. <https://doi.org/10.1016/j.fooweb.2024.e00359>. **FI 1.8.**
388. Herrera-Alsina, L., Lancaster, L. T., Algar, A. C., Bocedi, G., Papadopoulos, A. S. T., Gubry-Rangin, C., Osborne, O. G., Mynard, P., Creer, S., **Villegas-Patraca, R.**, Made Sudiana, I., Fahri, F., Lupiyaningdyah, P., Nangoy, M., Iskandar, D. T., Juliandi, B., Burslem, D. F. R. P., Travis, J. M. J. (2024). Accounting for extinction dynamics unifies the geological and biological histories of Indo-Australian Archipelago. Proc. R. Soc. B. 291(2031). <https://doi.org/10.1098/rspb.2024.0966>. **FI 3.8.**
389. **Cabrera-Cruz, S. A.**, Aguilar-López, J. L., **Villegas-Patraca, R.** (2024). Complementando inventarios biológicos con datos abiertos a través de un





método semiautomatizado. Rev. Biol. Trop. 72(1), e56880.
<https://doi.org/10.15517/rev.biol.trop..v72i1.56880>. **FI 0.8.**

390. San Martín-Cruz, M. A., **Villegas-Patraca, R., Dáttilo, W.**, Enríquez, P. L., Ruelas Inzunza, E. (2024). Occupancy dynamics of the mottled owl *Strix virgata* using object-based image analysis along an urbanized Neotropical gradient. *Global Ecology and Conservation*. 55, e03243.
<https://doi.org/10.1016/j.gecco.2024.e03243>. **FI 3.5.**

