CURRICULUM VITAE

Dr. Carlos Daniel Pinacho Pinacho

Investigador Cátedras CONACyT, Instituto de Ecología, A.C., (INECOL)

Sistema Nacional de Investigadores (SNI I) (2020-2022)

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1. DATOS PERSONALES

Fecha de nacimiento: 26 de octubre de 1984

Lugar de nacimiento: San José del Pacífico, San Mateo Río Hondo, Miahuatlán, Oaxaca

Dirección actual:

Ciudad:

Nacionalidad: Mexicana

Estado civil: Soltero

Género: Masculino

CURP: PIPC841026HOCNNR06

RFC: PIPC841026J39

Cédula profesional Licenciatura: 6241328

Cédula profesional Maestría: 8029781

Cédula profesional Doctorado: 10550416

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2. ADSCRIPCIÓN ACTUAL (2017-presente)

Investigador Cátedras CONACyT. Instituto de Ecología A. C., Lab. Interacción Hospedero-Parásito, Red de Estudios Moleculares Avanzados, Carretera antigua a Coatepec 351, El Haya, Xalapa 91070, Veracruz, México.

3. TRABAJO ANTERIOR (2016-2017)

Profesor-Investigador Titular "A". Universidad de la Sierra Sur, División de Estudios de Postgrado, Guillermo Rojas Mijangos S/N, C. P. 70800, Ciudad Universitaria, Miahuatlán de Porfirio Díaz, Oaxaca, México, (Periodo: 7 de noviembre de 2016 a 15 de agosto de 2017).

4. ESCOLARIDAD

Doctor en Ciencias, Universidad Nacional Autónoma de México (UNAM).

5. FORMACIÓN ACADÉMICA

3. Doctorado en Ciencias, Posgrado en Ciencias Biologías, Universidad Nacional Autónoma de México (UNAM). **Tesis**: Delimitación de especies y diversidad genética del género *Neoechinorhynchus* Stiles y Hassall 1905 de México y Centroamérica. Periodo: 2012-2016.

2. Maestría en Ciencias Biológicas, Posgrado en Ciencias Biologías, Universidad Nacional Autónoma de México (UNAM). **Tesis**: Prospección molecular de *Neoechinorhynchus brentnickoli* (Acanthocephala: Neoechinorhynchidae) un parásito de *Dormitator latifrons* del pacífico mexicano. Periodo: 2010-2012.

1. Licenciatura en Biología, Instituto Tecnológico del Valle de Oaxaca, Ex Hacienda de Nazareno, Xoxocotlán, Oaxaca (ITVO). **Informe**: Helmintos Parásitos de Poecílidos (Osteichthyes: Poeciliidae) de la Cuenca del río Tehuantepec, Oaxaca, México. Periodo: 2004-2009.

6. LINEAS DE INVESTIGACIÓN

Biología Evolutiva, Sistemática, Taxonomía Integrativa, Ecología de parásitos, Estructura de la Comunidad, Transmisión y Ciclos de Vida, Biogeografía y Diversidad de helmintos parásitos de vertebrados silvestre. Particularmente, mi interés se enfoca en conocer y entender la Biodiversidad de parásitos del género *Gyrodactylus* de peces dulceacuícolas, basados en su historia evolutiva, incluyendo para esto el uso de herramientas moleculares y de distribución geográfica. Simultáneamente

a esto desarrollo trabajos sistemáticos y taxonómicos usando caracteres morfológicos y moleculares para conocer la diversidad de helmintos parásitos.

7. PRODUCCIÓN CIENTÍFICA

Artículos publicados (n=32)

https://www.researchgate.net/profile/Carlos_Pinacho_Pinacho/publications

https://scholar.google.com.mx/citations?hl=es&user=aHKvg4MAAAAJ&view_op=list_works

2019

32. Martín García-Varela , J.-K. Park, J. S.Hernández-Orts, **Carlos Daniel Pinacho-Pinacho**. 2019. Morphological and molecular data on a new species of *Plagiorhynchus* Lühe, 1911 (Acanthocephala: Plagiorhynchidae) from the long-billed curlew (*Numenius americanus*) from northern Mexico. Journal of Helminthology, (in press). https://doi.org/10.1017/S0022149X19000543

31. Adriana García‐Vásquez, **Carlos Daniel Pinacho‐Pinacho**, Ismael Guzmán‐Valdivieso, Guillermo Salgado‐Maldonado, Miguel Rubio‐Godoy. 2019. New Species of *Gyrodactylus* von Nordmann, 1832 from Native Fish from Chiapas, Mexico, Studied by Morphology and Molecular Analyses. Acta Parasitologica, (in press). https://doi.org/10.2478/s11686-019-00088-y

30. Carlos Daniel Pinacho-Pinacho, Ana L. Sereno-Uribe, Martín García-Varela, Gerardo Pérez-Ponce de León. 2019. A closer look at the morphological and molecular diversity of *Neoechinorhynchus* (Acanthocephala) in Middle American cichlids (Osteichthyes: Cichlidae), with the description of a new species from Costa Rica. Journal of Helmintology, (in press). https://doi.org/10.1017/S0022149X18001141

29. Martín García-Varela, **Carlos Daniel Pinacho-Pinacho**. 2019. Molecular characterization of *Neoechinorhynchus cylindratus* Van Cleave, 1913 (Acanthocephala: Neoechinorhynchidae) a parasite of the largemouth bass (*Micropterus salmoides*) in northern Mexico. Journal of Helmintology, (in press). https://doi.org/10.1017/S0022149X18001104

28. Juan José Barrios-Gutiérrez, Ana Santacruz, Emilio Martínez-Ramírez, Miguel Rubio-Godoy, **Carlos Daniel Pinacho-Pinacho**. 2019. *Spinitectus mixtecoensis* sp. nov. (Nematoda: Cystidicolidae), from the Oaxaca killifish *Profundulus punctatus* (Osteichthyes: Profundulidae) from Mexico, with

comments on the distribution of *Spinitectus humbertoi* in the genera *Profundulus* and *Tlaloc*. Revista Mexicana de Biodiversidad, 90: e902684. https://doi.org/10.22201/ib.20078706e.2019.90.2684

27. David Iván Hernández-Mena, **Carlos Daniel Pinacho-Pinacho**, Martín García-Varela, Berenit Mendoza-Garfias, Gerardo Pérez-Ponce de León. 2019. Description of two new species of allocreadiid trematodes (Digenea: Allocreadiidae) in Middle American freshwater fishes using an integrative taxonomy approach. Parasitology Research, 118: 421-432. https://doi.org/10.1007/s00436-018-6160-8

2018

26. Ana L. Sereno-Uribe, Martín García-Varela, **Carlos D. Pinacho-Pinacho**, Gerardo Pérez-Ponce de León. (2018). Three new species of *Clinostomum* Leidy, 1856 (Trematoda) from Middle American fish-eating birds. Parasitology Research, 117: 2171-2185.https://doi.org/10.1007/s00436-018-5905-8

25. Pinacho-Pinacho C. D., Martín García-Varela, Ana L. Sereno-Uribe, Gerardo Pérez-Ponce de León. (2018). A hyper-diverse genus of acanthocephalans revealed by tree-based and nontree-based species delimitation methods: Ten cryptic species of *Neoechinorhynchus* in Middle American freshwater fishes. Molecular Phylogenetics and Evolution, 127: 30–45.

24. Adriana García-Vásquez, **Carlos Daniel Pinacho-Pinacho**, Emilio Martínez-Ramírez, Miguel Rubio-Godoy. (2018). Two new species of *Gyrodactylus* von Nordmann, 1832 from *Profundulus oaxacae* (Pisces: Profundulidae) from Oaxaca, Mexico, studied by morphology and molecular analyses. Parasitology International, 67: 517-527. doi:10.1016/j.parint.2018.03.003

23. Barrios-Gutiérrez J. J., Martínez-Ramírez E., Gómez-Ugalde R. M., García-Varela M. y **Pinacho-Pinacho C. D**. (2018). Helmintos parásitos de los peces dulceacuícolas de la Reserva de la Biosfera Tehuacán-Cuicatlán, región Oaxaca. Revista Mexicana de Biodiversidad, 89: 29-38.

2017

22. Leopoldo Andrade-Gómez, **Carlos Daniel Pinacho-Pinacho** y Martín García-Varela. (2017). Molecular, morphological and ecological data of *Saccocoelioides* Szidat, 1954 (Digenea: Haploporidae) from Middle America supported the reallocation from *Culuwiya cichlidorum* to *Saccocoelioides*. Journal of Parasitology, 103:257-267. (**F.I.= 1.326**). doi: http://dx.doi.org/10.1645/16-129.

21. Pinacho-Pinacho C. D., Jesús S. Hernández-Orts, Ana L. Sereno-Uribe, Gerardo Pérez-Ponce de León y Martín García-Varela. (2017). *Mayarhynchus karlae* n. g., n. sp. (Acanthocephala: Neoechinorhynchidae) a parasite of cichlids (Perciformes: Cichlidae) in southeastern Mexico, with comments on the paraphyly of *Neoechynorhynchus* Stiles and Hassall, 1905. Systematic Parasitology, 94:351-365. (**F.I.= 1.181**). DOI 10.1007/s11230-017-9704-x.

20. Hernández-Orts J. S., Smales L. R., **Pinacho-Pinacho C. D**., García-Varela M. y Presswell B. (2017). Novel morphological and molecular data for *Corynosoma hannae* Zdzitowiecki, 1984 (Acanthocephala:Polymorphidae) from teleosts, fish-eating birds and pinnipeds from New Zeland. Parasitology International, 66:905-916. (**F.I.=1.744**). http://dx.doi.org/10.1016/j.parint.2016.10.007.

19. García-Varela M., Hernández-Orts J. S. y **Pinacho-Pinacho C. D**. (2017). A morphological and molecular study of *Psedocorynosoma* Aznar, Pérez Ponce de León and Raga 2006 (Acanthocephala: Polymorphidae) from Mexico with the description of a new species and the presence of cox 1 psedogenes. Parasitology International, 66: 27–36. (**F.I.=1.744**). http://dx.doi.org/10.1016/j.parint.2016.11.007.

18. De Chambrier A., **Pinacho-Pinacho C. D**., Hernández-Orts J. S. y Tomáš Scholz. (2017). A new genus and two new species of Proteocephalidean tapeworms (Cestoda) from cichlid fish (Perciformes: Cichlidae) in the neotropical region. Journal of Parasitology, 103:83-94. (**F. I.= 1.326**). doi: http://dx.doi.org/10.1645/16-84.

17. Andrade-Gómez L., **Pinacho-Pinacho C. D**., Hernández-Orts J. S., Sereno-Uribe A. L. y García-Varela M. (2017). Morphological and molecular analyses of a new species of *Saccocoelioides* Szidat, 1954 (Haploporidae Nicoll, 1914) in the fat sleeper *Dormitator maculatus* (Bloch) (Perciformes: Eleotridae) from the Gulf of Mexico. Journal of Helminthology, 91:504-516. (**F.I.=1.42**)DOI: http://dx.doi.org/10.1017/S0022149X1600047X.

2016

16. Pérez-Ponce de León G., García-Varela M., **Pinacho-Pinacho C. D**., Sereno-Uribe A. L. y Robert P. (2016b). Species delimitation in trematodes using DNA sequences: Middle-American *Clinostomum* as a case study. Parasitology, 143:1773–1789. (**F.I.=2.713**). doi:10.1017/S0031182016001517.

15. Pérez-Ponce de León G., **Pinacho-Pinacho C. D**., Mendoza-Garfias B., Choudhury A. y García-Varela M. (2016a). Phylogenetic analysis using the 28S rRNA gene reveals that the genus

Paracreptotrema Choudhury, Pérez-Ponce de León, Brooks and Daverdin, 2006 (Digenea: Allocreadiidae) is not monophyletic; description of two new genera and one new species. Journal of Parasitology 102(1):131–142. (**FI=1.227**). http://dx.doi.org/10.1645/15-815.

14. Hernández-Orts J. S., **Pinacho-Pinacho C. D.**, García-Varela M. y Kostadinova A. (2016). *Maritrema corai* n. sp. (Digenea: Microphallidae) from the white ibis *Eudocimus albus* (Linnaeus) (Aves: Threskiornithidae) in Mexico. Parasitology Research, 115(2):547–559. (**FI=2.098**). doi: 10.1007/s00436-015-4771-x.

13. García-Varela M., Sereno-Uribe A. L., **Pinacho-Pinacho C. D**., Hernández-Cruz E. y Pérez-Ponce de León G. (2016). An integrative taxonomic study reveals a new species of *Tylodelphys* Diesing, 1950 (Digenea: Diplostomidae) in central and northern Mexico. Journal of Helminthology, 90:668-679 (**FI=1.421**). http://dx.doi.org/10.1017/S0022149X15000917.

12. García-Varela M., Sereno-Uribe A. L., **Pinacho-Pinacho C. D**., Domínguez-Domínguez O. y Pérez-Ponce de León G. (2016). Molecular and morphological characterization of *Austrodiplostomum ostrowskiae* Dronen, 2009 (Digenea: Diplostomatidae), a parasite of cormorants in the Americas. Journal of Helminthology, 90:174–185. (**FI=1.421**). http://dx.doi.org/10.1017/S0022149X1500005X.

2015

11. **Pinacho-Pinacho C. D**., García-Varela M., Hernández-Orts J. S., Mendoza-Palmero C. A., Sereno-Uribe A. L., Martínez-Ramírez E., Andrade-Gómez L., López-Jiménez A., Hernández-Cruz E. y Pérez-Ponce de León G. (2015b). Checklist of the helminth parasites of the genus *Profundulus* Hubbs,1924 (Cyprinodontiformes, Profundulidae), an endemic family of freshwater fishes in Middle-America. ZooKeys 523:1–30. (**FI=0.933**). doi: 10.3897/zookeys.523.6088.

10. García-Vásquez A., **Pinacho-Pinacho C. D**., Soler-Jiménez L. C., Fajer-Ávila E. J. y Pérez-Ponce de León G. (2015). *Haliotrematoides* spp. (Monogenoidea: Dactylogyridae) parasitizing *Lutjanus guttatus* (Lutjanidae) in two localities of the Pacific coast of Mexico, and their phylogenetic position within the Ancyrocephalinae through sequences of the 28S rRNA. Revista Mexicana de Biodiversidad 86:298–305. (**FI=0.583**). http://dx.doi.org/10.1016/j.rmb.2015.04.027.

9. Pérez-Ponce de León G., **Pinacho-Pinacho C. D**., Mendoza-Garfias B. y García-Varela M. (2015). *Phyllodistomum spinopapillatum* sp. nov. (Digenea: Gorgoderidae), from the Oaxaca killifish *Profundulus balsanus* (Osteichthyes: Profundulidae) in Mexico, with new host and locality records of

P. inecoli: Morphology, ultrastructure and molecular evidence. Acta Parasitologica 60 (2): 298–307. (ISSN 1230–2821). (**FI=0.905**). doi: 10.1515/ap-2015-0042.

8. Sereno-Uribe A. L., **Pinacho-Pinacho C. D**., Sanchéz Cordero V. y García-Varela M. (2015). Morphological and molecular analyses of larval and adult stages of *Echinoparyphium recurvatum* von Linstow 1873 (Digenea: Echinostomatidae) from central Mexico. Journal of Helminthology 89: 458–464. (**FI=1.421**). http://dx.doi.org/10.1017/S0022149X14000297.

7. **Pinacho-Pinacho C. D**., Sereno-Uribe A. L., Pérez-Ponce de León G. y García-Varela M. (2015a). Checklist of the species of *Neoechinorhynchus* (Acanthocephala: Neoechinorhynchidae) in fishes and turtles in Middle-America, and their delimitation based on sequences of the 28S rDNA. Zootaxa 3985 (1): 098–116. (ISSN 1175–5326 Print & ISSN1175–5334 Online). (**FI=0.906**). http://dx.doi.org/10.11646/zootaxa.3985.1.5.

2014

6. Morales-Serna F. N., **Pinacho-Pinacho C. D**., Gómez S y Pérez-Ponce de León G. (2014). Diversity of sea lice (Copepoda: Caligidae) parasitic on marine fishes with commercial and aquaculture importance in Chamela Bay, Pacific coast of Mexico by using morphology and DNA barcoding, with description of a new species of *Caligus*. Parasitology International 63:69–79. (**FI=2.055**). http://dx.doi.org/10.1016/j.parint.2013.09.005.

5. **Pinacho-Pinacho C.D.**, Pérez-Ruiz M. de Los A., Sereno-Uribe A.L., García-Varela M. y Martínez-Ramírez E. (2014b). Richness and similarity of helminth communities of the freshwater fish *Profundulus punctatus* (Pisces: Cyprinodontidae) from Oaxaca, Mexico. Revista Mexicana de Biodiversidad 85: 1129–1138. (**FI=0.583**). doi: 10.7550/rmb.41776.

4. **Pinacho-Pinacho C. D.**, Sereno-Uribe A. L. y García-Varela M. (2014a). Morphological and molecular data reveal a new species of *Neoechinorhynchus* (Acanthocephala: Neoechinorhynchidae) from *Dormitator maculatus* in the Gulf of Mexico. Parasitology International 63: 763–771. (**FI=2.055**). doi:10.1016/j.parint.2014.07.003.

2013

3. Sereno-Uribe A. L., **Pinacho-Pinacho C. D**., García-Varela M. y Pérez-Ponce de León G. (2013).Using mitochondrial and ribosomal DNA sequences to test the taxonomic validity of *Clinostomum complanatum* Rudolphi, 1814 in fish-eating birds and freshwater fishes in Mexico, with the description of a new species. Parasitology Research 112: 2855–2870. (ISSN: 0932–0113 Print & ISSN: 1432–1955 Online). (**FI=2.098**). doi:10.1007/s00436-013-3457-5.

2. García-Varela M., **Pinacho-Pinacho C. D**., Sereno-Uribe A. L. y Mendoza-Garfías B. (2013). First Record of the Intermediate Host of *Pseudocorynosoma constrictum* Van Cleave, 1918 (Acanthocephala: Polymorphidae) in Central Mexico. Comparative Parasitology 80 (2): 171–178. (ISSN: 1525–2647 Print & ISSN: 1938–2952 Online). (**FI=0.700**). http://dx.doi.org/10.1654/4612.1.

2012

1. **Pinacho-Pinacho C. D**., Pérez-Ponce de León G. y García-Varela M. (2012). Description of a new species of *Neoechinorhynchus* (Acanthocephala: Neoechinorhynchidae) a parasite of *Dormitator latifrons* from Southwestern Mexico based on morphological and molecular characters. Parasitology International 61: 634–644. (**FI=2.055**). doi:10.1016/j.parint.2012.06.006.

8. ARTÍCULOS DE DIVULGACIÓN

1. Carlos Daniel Pinacho-Pinacho. 2019. Conociendo los acantocéfalos en México. In Vivo: Diario de Xalapa. 15 de julio de 2019.

9. PARTICIPACIÓN EN CONGRESOS

11. Sánchez Ángeles Jesús; Martínez Ramírez Emilio; **Pinacho Pinacho Carlos Daniel**;
Gómez Hernández Laura L.; Pérez Flores María Eufemia; Gómez Ugalde Rosa María. 2019. Plan de manejo para la prevención y tratamiento de enfermedades parasitarias en criaderos de tilapia en Valle Centrales, Oaxaca. "XII Jornadas Politécnicas en Ciencia y Tecnología 2019". Centro Interdisciplinario de Investigación para el Desarrollo Integral Regional, Unidad Oaxaca, (16-17 de mayo de 2019).

10. Martínez-Ramírez E., E. Cruz-Arenas, G. I. Cruz-Ruiz, R. M. Gómez Ugalde y **C. D. Pinacho-Pinacho**. 2018. Ictiofauna dulceacuícola en el área oaxaqueña de la Reserva de la Biosfera Tehuacán-

Cuicatlán. XVI Congreso Nacional de Ictiología y VII Simposio Latinoamericano de Ictiología, Mérida, Yucatán, México (12-16 de noviembre de 2018).

9. Abeldaño R.A., González Villoria R.A.M., Siliceo Murrieta J.I., Sánchez Bandala M.A., **Pinacho Pinacho C.D.**, Fanta Garrido J., Castellanos Ospina O.A., Fernández A.R. 2017. Patrones de ocurrencia de los desastres y sus implicaciones en salud pública en méxico, en el periodo 1900-2016. Jornadas de Investigación Cientifica XVIII. Facultad de Ciencias Médicas (19 de octubre de 2017).

8. Castro Vásquez C. H., Siliceo Murrieta J. I., **Pinacho-Pinacho C. D**., Aveldaño Zuñiga A., Jarquin González P. (2017). Análisis de la evolución clínica del paciente de UNEME EC, Oaxaca 2014-2016. Congreso Nacional de Actualización para el Medico General y Familiar. Universidad Regional del Sureste, A. C. Ciudad de Oaxaca (20 de mayo de 2017).

7. Alama-Bermejo G., **Pinacho-Pinacho C. D**., Hernández-Cruz E., Andrade-Gómez L., García-Varela M., Bartholomew J., Hernández-Orts J.S. (2015). Unexplored mexican myxozoans: first screening on diversity of myxozoans in freshwater fishes in Mexico. 9th Intenational Symposium on Fish Parasites, Valencia, España (31 august-4 september 2015).

6. Pinacho-Pinacho C. D., Alama-Bermejo G., Hernández-Orts J.S., Mendoza-Palmero C.A., García-Varela M., y Martínez-Ramírez E. (2015). Metazoan parasites from the oaxaca killifish *Profundulus oaxacae* (meek), from Oaxaca state, Mexico. 9th Intenational Symposium on Fish Parasites, Valencia, España (31 august-4 september 2015).

5. Rodríguez-Santiago M. A., Ávila E., Gómez S., Uscanga-Martínez A., **Pinacho-Pinacho C. D**., López-García K. C. y Ovalles-Cruz H.D. (2014). Comunidades parasitarias en peces Loricaridos invasores en tres estados de la República Mexicana. XIV Congreso Nacional y III Simposio Latinoamericano de Ictiología, Morelia, Michoacán (5-8 de noviembre del 2014).

4. Sereno-Uribe, A.L., **Carlos Daniel Pinacho-Pinacho,** Pérez-Ponce de León G., Zambrado L., Garcia-Varela M. (2012). Molecular y morphological diferrentiation of *Clinostomum* Leidy, 1856 (Digenea: Clinostomatidae) from Neotropical Region of Mexico. The 87th annual meeting of the American Society of Parasitologists, Omni Richmond Hotel, Richmond, Virginia (13-16 de julio del 2012).

3. Pinacho Pinacho C. D., Martínez-Ramírez E., Gómez-Ugalde R., de los Santos Romeo R., Cruz-Arena E. y Gonzales Ortiz M. (2012). Helmintos parásitos de Poecílidos (Osteichthyes: Poeciliidae) de la cuenca del Río Tehuantepec, Oaxaca, México. Jornadas Politécnicas de Investigación, CIIDIR Unidad Oaxaca (14-16 noviembre del 2012).

2. Pinacho-Pinacho C. D., Rogelio Rosas-Valdez, Hernández-Mena, D. I. y García-Valera, M. (2011). Genetic variation of *Neoechinorhynchus brentnickoli* (Acanthocephala: Neoechinorhynchidae) an endoparasite of *Dormitator latifrons* from Pacific Sea slopes of Mexico, inferred from nuclear and mitochondrial gene sequences. 2011. 86th annual meeting of the American Society of Parasitologists, Anchorage, Alaska (1-4 de junio del 2011).

1. David I. G. Hernández-Mena, Rogelio Rosas-Valdez, **Carlos Daniel Pinacho-Pinacho** y Martín García-Varela. (2011). Molecular and morphological differentiation of two species of *Parastrigea* Szidat, 1928 (Digenea, Strigeidae) parasites of the white ibis (*Eudocimus albus*). 86th annual meeting of the American Society of Parasitologists, Anchorage, Alaska (1-4 de junio del 2011).

10. FORMACIÓN DE RECURSOS HUMANOS

Tesis de doctorado

1. Miguel Calixto Rojas. Patrones cofilogenéticos entre parásitos del género *Gyrodactylus* (Monogenea: Plathyelminthes) y peces de la familia Profundulidae (Cyprinodontiformes: Actinopterygii) en Mesoamérica. Doctorado en Ciencias, Instituto de Ecología, A. C. (**Co-director**, periodo 2018-2022).

Tesis de maestria

1. Jesús Sánchez Angeles. Plan de manejo sustentable para la prevención y tratamiento de enfermedades parasitarias en criaderos de tilapia en Valles Centrales, Oaxaca. Maestria en Ciencias, CIIDIR-IPN-Oaxaca. (**Co-director**, periodo 2018-2020).

Tesis de licenciatura

2. Juan José Barrios Gutiérrez (2016). Helmintos parásitos de los peces dulceacuícolas de la reserva de la Biosfera Tehuacán-Cuicatlán, Oaxaca. Tesis de Licenciatura. Instituto Tecnológico del Valle de Oaxaca. pp.77. (**Co-director**).

1. Leopoldo Andrade-Gómez (2015). Diferenciación morfológica y molecular de cuatro especies de tremátodos de la familia Haploporidae Nicoll, 1914 (Digenea) parásitos de peces dulceacuícolas de México y partes de América Central. Tesis de Licenciatura, Universidad Nacional Autónoma de México. pp. 101. (**Director**).

Asesoría de tesis de maestria

2. Vasquez Avendaño Bedilia. (2017). Calidad de vida en cuidadores informales de usuarios ambulatorios de servicios públicos de salud mental del estado de Oaxaca, México. Tesis de Maestría en Salud Pública. División de Estudios de Posgrado, Universidad de la Sierra Sur (en proceso: **Asesor**).

1. Castro Vásquez Concepción Hosanna. (2017). Análisis de la evolución clínica del paciente atendido en la Unidad de Especialidades Médicas en Enfermedades Crónicas ciudad de Oaxaca, 2014-2016. Tesis de Maestra en Salud Pública. Universidad de la Sierra Sur (**Asesor**).

Jurado de tesis de maestría

1. Rosario Briosio Aguilar. (2018). Tesis: Posición filogenética de dos especies de clinostómidos (Digenea: Clinostomidae), *Ithyoclinostomum* sp. y *Clinostomum heluans*, parásitos de cíclidos y de aves ictiófagas en el Continente Americano, utilizando secuencias de ADN. Posgrado en Ciencias Biológicas, UNAM. Mayo 2018.

Asesoría de tesis de licenciatura

1. Yesenia Gissele Pérez Antonio. (2016). Variación molecular de *Pseudoparacreptotrema profundulusi*, parásito de peces dulceacuícolas del género *Profundulus* en Oaxaca. Informe Técnico de Residencia Profesional. Instituto Tecnológico del Valle de Oaxaca. pp. 63 (**Asesor**).

11. CURSOS IMPARTIDOS

Cursos de Postgrado (Maestría)

6. Parasitología de peces de interés comercial. Posgrado INECOL. Periodo 12 al 16 de diciembre de 2017.

5. Análisis de Textos Científicos. Programa de Maestría en Salud Pública, Universidad de la Sierra Sur (UNSIS). Curso propedéutico. Periodo: 31 de junio al 22 de septiembre de 2017.

4. Protocolo de Investigación. Programa de Maestría en Salud Pública, Universidad de la Sierra Sur (UNSIS). Semestre 16-17 "B". Periodo: 01 de marzo al 04 de julio de 2017.

3. Seminario de Investigación II. Programa de Maestría en Salud Pública, Universidad de la Sierra Sur (UNSIS). Semestre 16-17 "B". Periodo: 01 de marzo al 04 de julio de 2017.

2. Metodología de la Investigación Científica. Programa de Maestría en Salud Pública, Universidad de la Sierra Sur (UNSIS). Semestre 16-17 "A". Periodo: 7 noviembre 2016-10 de febrero 2017.

1. Seminario de Investigación. Programa de Maestría en Salud Pública, Universidad de la Sierra Sur (UNSIS). Semestre 16-17 "A". Periodo: 7 noviembre 2016-10 de febrero 2017.

Cursos de licenciatura

3. Análisis de Textos Científicos. Licenciatura en Enfermería, Universidad de la Sierra Sur (UNSIS). Curso propedéutico. Periodo: 31 de junio al 22 de septiembre de 2017.

1. Bioquímica Básica. Licenciatura en Enfermería, Universidad de la Sierra Sur (UNSIS). Semestre 16-17 "A". Periodo: 7 noviembre 2016-10 de febrero 2017.

12. APOYOS POR CONACyT

3. Sistema Nacional de Investigadores (SNI nivel I). Periodo: 1 de enero 2020 al 31 de diciembre del 2022.

2. Beca de Doctorado. Doctorado en Ciencias Biológicas, Universidad Nacional Autónoma de México. Periodo agosto 2012 a junio 2016. N° de Beca 344873 y N° de registro 239867.

1. Beca de Maestría. Maestría en Ciencias Biológicas (Sistemática), Universidad Nacional Autónoma de México. Periodo febrero 2010 a enero 2012. N° de Beca 46863 y N° de registro 239867.

13. PROYECTOS FINANCIADOS

1. Apoyo a la Incorporación de Nuevos Profesores de Tiempo Completo (NPTC). Universidad de la Sierra Sur. Periodo julio de 2017 a julio de 2018. Monto $ 367,539.00.

14. RECONOCIMIENTOS Y OTROS

3. Constancia. Herramientas bioinformáticas para el análisis de genomas y trasncriptomas. Posgrado INECOL. Marzo 2018.

2. Diploma. Obtención de grado de Doctor, Posgrado en Ciencias Biológicas, UNAM.

1. Reconocimiento. Obtención de promedio alto en la carrera de Licenciatura en Biología. Instituto Tecnológico del Valle de Oaxaca. IX generación 2004-2009.

15. PROMOCION Y DIVULGACION

8. Programa de Fomento al interés por la carrera científica y tecnológica para niños y jóvenes. Monstruos de Río, po Inecol chanel. Instituto de Ecología A. C., (INECOL). Junio 2019.

7. Casa Abierta. Instituto de Ecología A. C., (INECOL). Noviembre 2018.

6. Encuentro de catedráticos conacyt 2017. Academia Mexicana de Ciencias. 31 de octubre de 2018.

5. Congreso Cátedras INECOL. Instituto de Ecología A. C., (INECOL). Junio 2018.

4. Fomento al interés por la carrera científica y tecnológica en niños y jóvenes 2018. Proyecto: Estudio de los gusanos parásitos de los peces del Río Pixquiac. Instituto de Ecología A. C., (INECOL). Junio 2018.

3. Casa Abierta. Instituto de Ecología A. C., (INECOL). Noviembre 2017.

2. Curso. Biología. 10ª Semana de cursos de actualización para profesores de nivel medio superior. Universidad de la Sierra Sur. 10 al 14 de julio de 2017.

1. Seminario. Conocimiento actual sobre el estudio de los helmintos parásitos en Oaxaca: distintas perspectivas sobre las enfermedades tropicales desatendidas y sus implicaciones en salud pública. Universidad de la Sierra Sur. 9 de marzo de 2017.

16. REVISIÓN DE ARTICULOS

3. Parasite (1)

2. Molecular Phylogentic and Evolution (1)

1. Parasitolgy International (1)

Citas a artículos científicos (291, octubre 2019)

https://scholar.google.com.mx/citations?hl=es&user=aHKvg4MAAAAJ&view_op=list_works (224)

https://www.researchgate.net/profile/Carlos_Pinacho_Pinacho/publications (221)

Sereno-Uribe A. L., Pinacho-Pinacho C. D., García-Varela M. y Pérez-Ponce de León G. (2013).Using mitochondrial and ribosomal DNA sequences to test the taxonomic validity of *Clinostomum complanatum* Rudolphi, 1814 in fish-eating birds and freshwater fishes in Mexico, with the description of a new species. Parasitology Research 112: 2855–2870.

1. Scholz, T., & Choudhury, A. (2014). Parasites of freshwater fishes in North America: why so neglected?. Journal of Parasitology, 100(1), 26-45.
2. Caffara, M., Davidovich, N., Falk, R., Smirnov, M., Ofek, T., Cummings, D. & Fioravanti, M. L. (2014). Redescription of *Clinostomum phalacrocoracis* metacercariae (Digenea: Clinostomidae) in cichlids from Lake Kinneret, Israel. Parasite, 21.

3. Pinto, H. A., Caffara, M., Fioravanti, M. L., & Melo, A. L. (2015). Experimental and molecular study of cercariae of *Clinostomum* sp.(Trematoda: Clinostomidae) from *Biomphalaria* spp.(Mollusca: Planorbidae) in Brazil. The Journal of parasitology, *101*(1), 108-113.
4. Pinacho-Pinacho, C. D., Garcia-Varela, M., Hernandez-Orts, J. S., Mendoza-Palmero, C. A., Sereno-Uribe, A. L., Martinez-Ramirez, E., ... & de León, G. P. P. (2015). Checklist of the helminth parasites of the genus *Profundulus* Hubbs, 1924 (Cyprinodontiformes, Profundulidae), an endemic family of freshwater fishes in Middle-America. ZooKeys, (523), 1-30.
5. Otachi, E. O., Locke, S. A., Jirsa, F., Fellner-Frank, C., & Marcogliese, D. J. (2015). Morphometric and molecular analyses of *Tylodelphys* sp. metacercariae (Digenea: Diplostomidae) from the vitreous humour of four fish species from Lake Naivasha, Kenya. Journal of helminthology, *89*(04), 404-414.
6. Waikagul, J., & Thaekham, U. (2014). *Approaches to Research on the Systematics of Fish-borne Trematodes*. Academic Press.
7. Senapin, S., Phiwsaiya, K., Laosinchai, P., Kowasupat, C., Ruenwongsa, P., & Panijpan, B. (2014). Phylogenetic analysis of parasitic trematodes of the genus *Euclinostomum* found in *Trichopsis* and *Betta* fish. The Journal of parasitology,100(3), 368-371.
8. Martinez-Aquino, A., Mendoza-Palmero, C. A., Aguilar-Aguilar, R., & DE LEÓN, G. P. P. (2014). Checklist of helminth parasites of Goodeinae (Osteichthyes: Cyprinodontiformes: Goodeidae), an endemic subfamily of freshwater fishes from Mexico. Zootaxa, 3856(2), 151-191.
9. Pulido-Flores, G., Monks, S., Falcón-Ordaz, J., & Violante-González, J. (2015). Helmintos parásitos de fauna silvestre en las costas de Guerrero, Oaxaca y Chiapas, México. Estudios en Biodiversidad, Volumen I, 52.
10. Hassan AMA. (2015). Occurrence of *Clinostomum* sp. metacercarial infection in tilapias fishes collected from the local markers. Journal of Pharmaceutical and Scientific Innovation 4 (1): 22-23.
11. Acosta, A. A., Caffara, M., Fioravanti, M. L., Utsunomia, R., Zago, A. C., Franceschini, L., & Silva, R. J. (2015). Morphological and molecular characterization of *Clinostomum detruncatum* metacercariae infecting *Synbranchus marmoratus*. Journal of Parasitology.
12. Locke, S. A., Caffara, M., Marcogliese, D. J., & Fioravanti, M. L. (2015). A large-scale molecular survey of Clinostomum (Digenea, Clinostomidae).Zoologica Scripta, 44(2), 203-217.

13. Chen, L., Feng, Y., Chen, H. M., Wang, L. X., Feng, H. L., Yang, X., ... & Fang, R. (2016). Complete mitochondrial genome analysis of Clinostomum complanatum and its comparison with selected digeneans. Parasitology research, 1-8.
14. DE LEÓN, G. P. P., Garcia-Varela, M., Pinacho-Pinacho, C. D., Sereno-Uribe, A. L., & Poulin, R. (2016). Species delimitation in trematodes using DNA sequences: Middle-American Clinostomum as a case study. Parasitology, 1-17.
15. Abro, M. M., Dharejo, A. M., Khan, M. M., & Birmani, N. A. Description of a new species Clinostomum awadhi n. sp.(Trematoda: Clinostomidae) in Phalacorcorax niger (Aves: Phalacrocoracidae) of Sanghar, Sindh, Pakistan.
16. Fernández, M. V., Hamann, M. I., & de Núñez, M. O. (2016). New larval trematodes in Biomphalaria species (Planorbidae) from Northeastern Argentina. Acta Parasitologica, 61(3), 471-492.
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18. Rosser, T. G., Alberson, N. R., Woodyard, E. T., Cunningham, F. L., Pote, L. M., & Griffin, M. J. (2017). Clinostomum album n. sp. and Clinostomum marginatum (Rudolphi, 1819), parasites of the great egret Ardea alba L. from Mississippi, USA. Systematic parasitology, 94(1), 35-49.
19. CAFFARA, M., LOCKE, S. A., ECHI, P. C., HALAJIAN, A., BENINI, D., LUUS-POWELL, W. J., ... & FIORAVANTI, M. L. (2017). A morphological and molecular study of Clinostomid metacercariae from African fish with a redescription of Clinostomum tilapiae. Parasitology, 144(11), 1519-1529.
20. Song, C., Lv, Y., Zhao, F., Hou, J., Yang, G., & Zhuang, P. (2016). Comparative Study of Mitochondrial 16S rRNA and COI Gene Sequences in Species Identification and Phylogeny of Gobiidae from Yangtze Estuary.
21. Sereno-Uribe, A. L., García-Varela, M., Pinacho-Pinacho, C. D., & de León, G. P. P. (2018). Three new species of Clinostomum Leidy, 1856 (Trematoda) from Middle American fish-eating birds. Parasitology research, 1-15.
22. Pinacho-Pinacho, C. D., García-Varela, M., Sereno-Uribe, A. L., & de León, G. P. P. (2018). A hyper-diverse genus of acanthocephalans revealed by tree-based and non-tree-based species

delimitation methods: Ten cryptic species of Neoechinorhynchus in Middle American freshwater fishes. Molecular phylogenetics and evolution, 127, 30-45.

23. Li, F., Liu, X. H., Ge, H. L., Xie, C. Y., Cai, R. Y., Hu, Z. C., ... & Wang, Z. J. (2018). The discovery of Clinostomum complanatum metacercariae in farmed Chinese sucker, Myxocyprinus asiaticus. Aquaculture.
24. Rosser, T. G., Baumgartner, W. A., Alberson, N. R., Noto, T. W., Woodyard, E. T., King, D. T., ... & Griffin, M. J. (2018). Clinostomum poteae n. sp.(Digenea: Clinostomidae), in the trachea of a double-crested cormorant Phalacrocorax auritus Lesson, 1831 and molecular data linking the life-cycle stages of Clinostomum album Rosser, Alberson, Woodyard, Cunningham, Pote & Griffin, 2017 in Mississippi, USA. Systematic parasitology, 1-24.
25. Simsek, E., Yildirim, A., Yilmaz, E., Inci, A., Duzlu, O., Onder, Z., ... & Pekmezci, G. Z. (2018). Occurrence and molecular characterization of Clinostomum complanatum (Trematoda: Clinostomidae) in freshwater fishes caught from Turkey. Parasitology research, 1-8.
26. Woodyard, E. T., Rosser, T. G., & Rush, S. A. (2017). Alligator wrestling: morphological, molecular, and phylogenetic data on Odhneriotrema incommodum (Leidy, 1856)(Digenea: Clinostomidae) from Alligator mississippiensis Daudin, 1801 in Mississippi, USA. Parasitology research, 116(11), 2981-2993.
27. Briosio-Aguilar, R., Pinto, H. A., Rodríguez-Santiago, M. A., López-García, K., Garcia-Varela, M., & de León, G. P. P. (2018). Link Between the Adult and the Metacercaria of Clinostomum heluans (Trematoda: Clinostomidae) Through DNA Sequences, and its Phylogenetic Position Within the Genus Clinostomum Leidy, 1856. The Journal of parasitology, 104(3), 292-296.
28. McAllister, C. T., Gomez, A. V., Adcock, Z. C., & Forstner, M. R. (2018). First Report of a Helminth Parasite, Clinostomum marginatum (Digenea: Clinostomidae) from the Federally Threatened Jollyville Plateau Salamander, Eurycea tonkawae (Caudata: Plethodontidae), from Texas, USA. Comparative Parasitology, 85(2), 182-189.
29. Trejo-Meléndez, V., Osorio-Sarabia, D., García-Prieto, L., & Mata-López, R. (2019). Helminth Fauna of Incilius marmoreus (Anura: Bufonidae) in a Neotropical Locality of Mexico. Comparative Parasitology, 86(1), 52-58.
30. Lagunas-Calvo, O., Santacruz, A., Hernández-Mena, D. I., Rivas, G., de León, G. P. P., & Aguilar-Aguilar, R. (2019). Taxonomic status of Rhabdochona ictaluri (Nematoda: Rhabdochonidae) based on molecular and morphological evidence. Parasitology research, 1-12.

31. Caffara, M., Locke, S. A., Halajian, A., Luus-Powell, W. J., Benini, D., Tedesco, P., ... & Fioravanti, M. L. (2019). Molecular data show Clinostomoides Dollfus, 1950 is a junior synonym of Clinostomum Leidy, 1856, with redescription of metacercariae of Clinostomum brieni n. comb. Parasitology, 1-9.
32. Calhoun, D., Leslie, K., Riepe, T., Achatz, T., McDevitt-Galles, T., Tkach, V., & Johnson, P. (n.d.). Patterns of Clinostomum marginatum infection in fishes and amphibians: Integration of field, genetic, and experimental approaches. Journal of Helminthology, 1-12. doi:10.1017/S0022149X18001244
33. Ventura, A. S., PÁDUA, S., Ishikawa, M. M., Martins, M. L., Takemoto, R. M., & Jeronimo, G. T. (2018). Endoparasites of Gymnotus sp.(Gymnotiformes: Gymnotidae) from commercial baitfish farming in Pantanal basin, Central Brazil. Embrapa Meio Ambiente-Artigo em periódico indexado (ALICE).

Pinacho-Pinacho C. D., Pérez-Ponce de León G. y García-Varela M. (2012). Description of a new species of *Neoechinorhynchus* (Acanthocephala: Neoechinorhynchidae) a parasite of *Dormitator latifrons* from Southwestern Mexico based on morphological and molecular characters. Parasitology International 61: 634–644.

1. Amin, O. M. (2013). Classification of the Acanthocephala. Folia Parasitologica,60(4), 273-305.
2. Smales, L. R. (2013). A review of the genus *Neoechinorhynchus* (Acanthocephala: Neoechinorhynchidae) from Australia with the description of two new species. The Journal of parasitology, 99(6), 1106-1112.
3. Ortega-Olivares, M. P., Rosas-Valdez, R., & García-Varela, M. (2013). First description of adults of the type species of the genus *Glossocercus* Chandler, 1935 (Cestoda: Gryporhynchidae). Folia parasitologica, 60(1), 35-42.
4. Melo, F. T. D. V., Costa, P. A. F. B., Giese, E. G., Gardner, S. L., & Santos, J. N. (2015). A description of *Neoechinorhynchus* (*Neoechinorhynchus*) *veropesoi* n. sp.(Acanthocephala: Neoechinorhynchidae) from the intestine of the Silver croaker fish *Plagioscion squamosissimus* (Heckel, 1840)(Osteichthyes: Sciaenidae) off the east coast of Brazil. Journal of Helminthology, 89(01), 34-41.
5. Irena, V. S., Damir, V., Damir, K., Zrinka, D., Emil, G., Helena, Ć., & Emin, T. (2013). Molecular characterisation and infection dynamics of *Dentitruncus truttae* from trout (*Salmo*

trutta and *Oncorhynchus mykiss*) in Krka River, Croatia. Veterinary parasitology, 197(3), 604-613.

6. PINACHO-PINACHO, C. D., SERENO-URIBE, A. N. A. L., DE LEÓN, G. P. P., & Garcia-Varela, M. (2015). Checklist of the species of *Neoechinorhynchus* (Acanthocephala: Neoechinorhynchidae) in fishes and turtles in Middle-America, and their delimitation based on sequences of the 28S rDNA. Zootaxa,3985(1), 098-116.
7. Pulido-Flores, G., Monks, S., Falcón-Ordaz, J., & Violante-González, J. (2015). Helmintos parásitos de fauna silvestre en las costas de Guerrero, Oaxaca y Chiapas, México. Estudios en Biodiversidad, Volumen I, 52.
8. Malyarchuk, B., Derenko, M., Mikhailova, E., & Denisova, G. (2014). Phylogenetic relationships among *Neoechinorhynchus* species (Acanthocephala: Neoechinorhynchidae) from North-East Asia based on molecular data. Parasitology international, 63(1), 100-107.
9. Pinacho-Pinacho, C. D., Sereno-Uribe, A. L., & García-Varela, M. (2014). Morphological and molecular data reveal a new species of *Neoechinorhynchus* (Acanthocephala: Neoechinorhynchidae) from *Dormitator maculatus* in the Gulf of Mexico. Parasitology international, 63(6), 763-771.
10. Violante-González, J., Villalba-Vásquez, P. J., Monks, S., García-Ibáñez, S., Rojas-Herrera, A. A., & Flores-Garza, R. (2016). Reproductive traits of the acanthocephalan Neoechinorhynchus brentnickoli in the definitive host. Invertebrate Biology.
11. Violante-González, J., Marquez-Silva, N. E., Monks, S., García-Ibañez, S., Pulido-Flores, G., Rojas-Herrera, A. A., & Flores-Rodríguez, P. (2017). Population dynamics of the acanthocephalan Neoechinorhynchus brentnickoli (Neoechinorhynchidae) in Pacific fat sleeper, Dormitator latifrons, from Tres Palos Lagoon, Guerrero, Mexico. Invertebrate Reproduction & Development, 61(1), 34-40.
12. Pinacho-Pinacho, C. D., Hernández-Orts, J. S., Sereno-Uribe, A. L., de León, G. P. P., & García-Varela, M. (2017). Mayarhynchus karlae ng, n. sp.(Acanthocephala: Neoechinorhynchidae), a parasite of cichlids (Perciformes: Cichlidae) in southeastern Mexico, with comments on the paraphyly of Neoechynorhynchus Stiles & Hassall, 1905. Systematic parasitology, 94(3), 351-365.
13. Rodríguez, S. M., Diaz, J. I., & D'Elía, G. (2017). Morphological and molecular evidence on the existence of a single estuarine and rocky intertidal acanthocephalan species of Profilicollis

Meyer, 1931 (Acanthocephala: Polymorphidae) along the Atlantic and Pacific coasts of southern South America. Systematic parasitology, 94(4), 527-533.

14. García-Varela, M., Mendoza-Garfias, B., Choudhury, A., & de León, G. P. P. (2017). Morphological and molecular data for a new species of Pomphorhynchus Monticelli, 1905 (Acanthocephala: Pomphorhynchidae) in the Mexican redhorse Moxostoma austrinum Bean (Cypriniformes: Catostomidae) in central Mexico. Systematic parasitology, 94(9), 989-1006.
15. Pinacho-Pinacho, C. D., García-Varela, M., Sereno-Uribe, A. L., & de León, G. P. P. (2018). A hyper-diverse genus of acanthocephalans revealed by tree-based and non-tree-based species delimitation methods: Ten cryptic species of Neoechinorhynchus in Middle American freshwater fishes. Molecular phylogenetics and evolution, 127, 30-45.
16. Kaur, P., Shamal, P., Chandran, A., Binesh, C. P., Gishnu, M., Asokan, P. K., & Sanil, N. K. (2017). Morphometric and molecular characterisation of Tenuiproboscis keralensis n. sp. infecting marine and brackish water fishes from the south-west coast of India with a note on morphological plasticity. Parasitology research, 116(11), 3131-3149.
17. García-Varela, M., & Pinacho-Pinacho, C. D. (2018). Molecular characterization of Neoechinorhynchus cylindratus Van Cleave, 1913 (Acanthocephala: Neoechinorhynchidae), a parasite of the largemouth bass (Micropterus salmoides) in northern Mexico. Journal of helminthology, 1-9.
18. Pinacho-Pinacho, C. D., Sereno-Uribe, A. L., García-Varela, M., & de León, G. P. P. (2018). A closer look at the morphological and molecular diversity of Neoechinorhynchus (Acanthocephala) in Middle American cichlids (Osteichthyes: Cichlidae), with the description of a new species from Costa Rica. Journal of helminthology, 1-7.

Morales-Serna F. N., Pinacho-Pinacho C. D., Gómez S y Pérez-Ponce de León G. (2014). Diversity of sea lice (Copepoda: Caligidae) parasitic on marine fishes with commercial and aquaculture importance in Chamela Bay, Pacific coast of Mexico by using morphology and DNA barcoding, with description of a new species of *Caligus*. Parasitology International 63:69–79.

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2. González, R. R., Himelreichs, J. F., Cruzat, F. A., Asencio, G. C., Oyarzún, P., & Hernández-Miranda, E. (2016). Frequent haplotypes of caged *Caligus rogercresseyi* in the austral south of Chile: The result of a long term serial passage experiment?. Aquaculture, 450, 143-153.

3. Morales-Serna, F. N., Hernández-Inda, Z. L., Gómez, S., & de León, G. P. P. (2013). Redescription of *Caligus serratus* Shiino, 1965 (Copepoda: Caligidae) parasitic on eleven fish species from Chamela Bay in the Mexican Pacific.Acta Parasitologica, 58(3), 367-375.
4. MORALES-SERNA, F. N., Cana-Bozada, V., Mera-Loor, G., Loor-Andrade, P., Fajer-Avila, E. J., & Ho, J. S. (2015). New records of sea lice (Copepoda: Caligidae) from marine fishes in Jaramijó, an area with potential for sea-cage aquaculture in Ecuador. Zootaxa, 3920(2), 366-380.
5. Castro-romero, R., Montes, M. M., Martorelli, S. R., Sepulveda, D., Tapia, S., & Martínez-aquino, A. (2016). Integrative taxonomy of Peniculus, Metapeniculus, and Trifur (Siphonostomatoida: Pennellidae), copepod parasites of marine fishes from Chile: species delimitation analyses using DNA barcoding and morphological evidence. Systematics and Biodiversity, 1-18.}
6. Morales-Serna, F. N., Medina-Guerrero, R. M., & Fajer-Avila, E. J. (2016). Sea lice (Copepoda: Caligidae) parasitic on fishes reported from the Neotropical region. Neotropical Biodiversity, 2(1), 141-150.
7. González, M. T., Castro, R., Muñoz, G., & López, Z. (2016). Sea lice (Siphonostomatoida: Caligidae) diversity on littoral fishes from the south-eastern Pacific coast determined from morphology and molecular analysis, with description of a new species (Lepeophtheirus confusum). Parasitology International, 65(6), 685-695.
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11. Montes, M. M., Castro-Romero, R., & Martorelli, S. R. (2017). Morphological identification and DNA barcoding of a new species of Parabrachiella (Siphonostomatoida: Lernaeopodidae) with aspects of their intraspecific variation. Acta Tropica.
12. Morales-Serna, F. N., Oceguera-Figueroa, A., & Tang, D. (2017). Caligus fajerae n. sp.(Copepoda: Caligidae) parasitic on the Pacific sierra Scomberomurus sierra Jordan & Starks (Actinopterygii: Scombridae) in the Pacific Ocean off Mexico. Systematic parasitology, 94(8), 927-939.
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