

## CURRICULUM VITAE

Ricardo Mariño-Pérez

Email: [pselliopus@yahoo.com.mx](mailto:pselliopus@yahoo.com.mx)

Website: <http://schistocerca.org/SongLab/index.php?page=ricardo-marino-perez>

ResearchGate: [https://www.researchgate.net/profile/Ricardo\\_Marino-Perez](https://www.researchgate.net/profile/Ricardo_Marino-Perez)

Google Scholar: <https://scholar.google.com/citations?user=4AIR-zwAAAAJ&hl=es>

### EDUCATION

2015-2018	PhD	Texas A&M University Department of Entomology PhD in Entomology <b>Dissertation title:</b> Phylogenetic Systematics and Evolution of the Gaudy Grasshopper family Pyrgomorphidae (Insecta: Orthoptera). 408 pp. Advisor. Dr. Hojun Song.
2011-2014	PhD (transfer)	University of Central Florida Department of Biology PhD program in Conservation Biology (Biology and Organismic track) 7 semesters completed Transfer to Texas A&M University
2006-2009	M.S. Biological Sciences	Universidad Nacional Autónoma de México <b>Thesis title:</b> Taxonomic study of the epibiont ciliates of aquatic hemipterans from Tecocomulco lagoon, Hidalgo, Mexico / Estudio taxonómico de los ciliados epibiontes de hemípteros acuáticos de la Laguna de Tecocomulco, Hidalgo, México. 75 pp. Advisor: Dr. Rosaura Mayén-Estrada. [In Spanish with English summary]
2001-2006	B.S. Biology	Universidad Nacional Autónoma de México <b>Undergraduate thesis title:</b> Revision of the genus <i>Pselliopus</i> from Mexico (Hemiptera: Heteroptera: Reduviidae: Harpactorinae) / Revisión del género <i>Pselliopus</i> para México (Hemiptera: Heteroptera: Reduviidae: Harpactorinae). 68 pp. Advisor: Dr. Harry Brailovsky. [In Spanish with English summary]

### ACADEMIC ID'S

ORCID-ID: 0000-0002-0566-1372

Scopus Author ID: 35764026700

### LANGUAGES

Spanish	Native Language.
English	TOEFL iBT: 92 points = 580 points PBT.
Italian	Reading.

## PROFESSIONAL EXPERIENCE

- 2015-2018 Graduate Research Assistant (GRA), Entomology Department, Texas A&M University
- 2012-2014 Graduate Teaching Assistant (GTA) of 16 sections of Biology II (BSC 2011), Biology Department, University of Central Florida (Spring and Fall Semesters).
- 2011 Graduate Teaching Assistant (GTA) of Entomology course (ENY 4004C/5006C), Biology Department, University of Central Florida (Fall Semester).
- 2011 Instructor of two undergraduate courses “Animal Biology I” and “Biology of Protists and Algae”. 192 hrs. (96 hrs. each). Biology Department, Sciences Faculty, Universidad Nacional Autónoma de México.
- 2010 Instructor of three undergraduate courses “Animal Biology I” (2) and “Biology of Protists and Algae” (1). 288 hrs. (96 hrs. each). Biology Department, Sciences Faculty, Universidad Nacional Autónoma de México.
- 2008-2009 Technician of the project “Orthopteroids from Oaxaca, Mexico (Orthoptera, Mantodea and Phasmatodea). Sponsored by CONABIO (National Commission for the Knowledge and Use of the Biodiversity) Functions; Field collection, take photos of alive specimens, mounting and identification of orthopterans.
- 2009 Instructor of two undergraduate courses “Animal Biology I” and “Biology of Protists and Algae”. 192 hrs. (96 hrs. each). Biology Department, Sciences Faculty, Universidad Nacional Autónoma de México.
- 2008 Instructor of the undergraduate course “Systematics I”. 80 hrs. Biology Department, Sciences Faculty, Universidad Nacional Autónoma de México.

## RESEARCH PUBLICATIONS

### A) REFEREED PUBLICATIONS

- 2018 **Mariño-Pérez, R.**, R. Mayén-Estrada and R. Macip-Ríos. First record of *Orbopercularia lichtensteini* (Peritrichia: Operculariidae) attached to a hemipteran, *Corisella edulis* (Nepomorpha: Corixidae), in Hidalgo, Mexico, with notes on its cytology and distributional patterns. *Journal of Natural History*. 52 (31-32): 2055–2070. **I.F. 0.875.**
- 2018 **Mariño-Pérez, R.**, P. Fontana and D.A. Woller. Studies in Mexican Grasshoppers: A new species of *Pedies* (Acrididae: Melanoplinae) with comments on the unusual blue coloration on the abdomens of females and live/type specimen images for other congeners. *Zootaxa*. . 4459 (3): 551–564. **I.F. 0.931. \*All authors contributed equally**
- 2018 Song, H., **R. Mariño-Pérez.**, Woller, D.A y M.M. Cigliano. Evolution, diversification, and biogeography of grasshoppers (Orthoptera: Acrididae). *Insects Systematics and Diversity*. 2(4): 3; 1-25.
- 2018 **Mariño-Pérez, R.** and H. Song. Phylogeny of the grasshopper family Pyrgomorphidae (Caelifera, Orthoptera) based on morphology. *Systematic Entomology*. 43: 90-108. **I.F. 4.474**
- 2017 Fontana, P., **R. Mariño-Pérez**, S. Sanabria-Urban and D.A. Woller. Studies in Mexican Grasshoppers: three new species of Dactylotini (Acrididae: Melanoplinae) from Mexico and a review of existing conspecifics with comments on their geographical distributions. *Zootaxa*. 4337 (3): 301-343. **I.F. 0.972. \*All authors contributed equally**

- 2017 Song, H., Foquet, B., **Mariño-Pérez, R.** and Woller, D.A. Phylogeny of locusts and grasshoppers reveals complex evolution of density-dependent phenotypic plasticity. *Scientific Reports* 7: 6606, 1-13. DOI: 10.1038/s41598-017-07105-y. **I.F. 4.259**
- 2015 **Mariño-Pérez, R.**, R. Mayén-Estrada and G. Rivas. Patterns in attachment sites of the parasite *Hydrachna guanajuatensis* Cook, 1980 (Acari: Hydrachnidiae) on aquatic heteropterans (Nepomorpha) from Tecocomulco lake, Mexico. *Aquatic Insects*. 36 (1): 23-33. **I.F. 0.395**
- 2014 Woller, D A., P. Fontana, **R. Mariño-Pérez** and H. Song. Studies in Mexican Grasshoppers: *Liladownsia fraile*, a new genus and species of Dactyloptini (Acrididae: Melanoplinae) and an updated molecular phylogeny of Melanoplinae. *Zootaxa*. 3793 (4): 475–495. **I.F. 0.906 \*First three authors contributed equally**
- 2013 Fontana, P., **R. Mariño-Pérez** and D. A. Woller. Studies in Mexican Tettigoniidae: A new genus of Copiphorini and the first description of male *Conocephalus (Aphauropus) leptopterus* Rehn and Hebard and the female of *Insara acutitegmina* Fontana, Buzzetti, Mariño-Pérez & García García. *Zootaxa*. 3737(4): 429-453. **I.F. 1.060 \*All authors contributed equally**
- 2013 Song, H. and **R. Mariño-Pérez**. Re-evaluation of taxonomic utility of male phallic complex in higher-level classification of Acridomorpha (Orthoptera: Caelifera). *Insect Systematics & Evolution*. 44: 241-260. **I.F. 1.114**
- 2012 **Mariño-Pérez, R.**, I. Pacheco-Rueda and C. Dietrich. Preliminary checklist of Auchenorrhyncha (Insecta: Hemiptera) from Reserva Ecológica del Pedregal de San Ángel, Distrito Federal, Mexico. *Acta Zoológica Mexicana (n. s.)*. 28 (2): 280-286. [In Spanish with English summary].
- 2011 **Mariño-Pérez, R.**, R. Mayén-Estrada, R. Macip-Ríos and I. Dovgal. Morphometric variations of *Discophrya elongata* (Ciliophora, Suctorea) attached to two different species of aquatic true bugs (Hemiptera, Prosorrhyncha, Nepomorpha). *Vestnik Zoologii*. 45 (5): 421-427.
- 2011 **Mariño-Pérez, R.**, R. Mayén-Estrada and P. Fontana. 2011. Ciliophora, Phyllopharyngea, Discophryidae, *Setodiscophrya steinii* (Claparède et Lachmann, 1859): Range extension and first record from Italy. *Check List*. 7 (4): 389-390.
- 2011 Fontana, P., F. M. Buzzetti, **R. Mariño-Pérez** and P. L. García-García. Three new species of Tettigoniidae from Mexico (Orthoptera: Tettigoniidae; Phaneropterinae; Insarini and Odonturini). *Zootaxa*. 2879: 22-32. **I.F. 0.927**
- 2011 Fontana, P., F. M. Buzzetti, **R. Mariño-Pérez** and P. L. García-García. Two new species of the Mexican genus *Ichthyotettix* Rehn, 1901 with remarks on the tribe Ichthyotettigini (Orthoptera, Caelifera, Pyrgomorphidae). *Zootaxa*. 2872: 18-34. **I.F. 0.927**
- 2011 Fontana, P., F. M. Buzzetti and **R. Mariño-Pérez**. New Acrididae from Oaxaca State in Mexico (Orthoptera: Caelifera: Acrididae: Ommatolampinae, Melanoplinae). *Zootaxa*. 2862: 39-55. **I.F. 0.927**
- 2011 **Mariño-Pérez, R.**, I. Dovgal and R. Mayén-Estrada. New records of suctorians (Ciliophora: Suctorea) as epibionts of aquatic true bugs (Hemiptera: Prosorrhyncha: Nepomorpha) from two regions: Mexico and Eastern Europe. *Zootaxa*. 2798: 48-60. **I.F. 0.927**
- 2010 **Mariño-Pérez, R.**, R. Mayén-Estrada and I. Dovgal. *Periacineta mexicana* sp. n. (Ciliophora, Suctoria, Discophryida) epizotic on Mexican backswimmers of genus *Buenoa* (Insecta, Hemiptera, Notonectidae). *Journal of Eukaryotic Microbiology*. 57(5): 435-443. **I.F. 2.397**

- 2009 **Mariño-Pérez, R.** and R. Mayén-Estrada. Epibiotic relationship between two species of suctorians (Protozoa: Suctorina) and *Corisella edulis* (Hemiptera: Corixidae). *Aquatic Insects*. 31(3): 235-246. **I.F. 0.311**
- 2007 **Mariño-Pérez, R.**, H. Brailovsky and J. J. Morrone. Panbiogeographical analysis of the mexican species of *Pselliopus* Bergroth (Hemiptera: Heteroptera: Reduviidae: Harpactorinae). *Acta Zoológica Mexicana (nueva serie)*. 23(2): 77-88. [In Spanish with English summary].
- 2007 Brailovsky, H., **R. Mariño-Pérez** and E. Barrera. Five new species of *Pselliopus* (Hemiptera: Heteroptera: Reduviidae: Harpactorinae) from Mexico. *Revista Mexicana de Biodiversidad*. 78: 85-98. [In Spanish with English summary] **I.F. 0.327**
- 2006 Vega, F. J., P. García-Barrera, M. C. Perilliat, M. A. Coutiño and **R. Mariño-Pérez**. El Espinal, a new plattenkalk facies locality from the Lower Cretaceous Sierra Madre Formation, Chiapas, Southeastern Mexico. *Revista Mexicana de Ciencias Geológicas*. 23 (3): 323-333. [In English] **I.F. 0.682**
- 2006 **Mariño-Pérez, R.** and C. Mendoza-Almeralla. 2006. Insects in movies a preliminary study. *Boletín de la Sociedad Entomológica Aragonesa*. 38: 415-421. [In Spanish with English summary].

#### IN REVIEW OR PREPARATION

**Mariño-Pérez, R.** and H. Song. On the origin of the New World Pyrgomorphidae. To be sent to: *Molecular Phylogenetics and Evolution*.

#### B) CHAPTERS IN BOOKS

- 2018 **Mariño-Pérez, R.**, P. Fontana and F. M. Buzzetti. *Liladownsia fraile* y otros ortópteros descritos recientemente (Estudio de Caso). in. *Biodiversidad de Oaxaca. Estudio de Estado*. CONABIO y EBO, Oaxaca, Oaxaca. **IN PRESS**. [In Spanish].
- 2018 **Mariño-Pérez, R.**, Sanabria-Urbán, S., Rocha-Sánchez, A.Y. and Song, H. Plains Lubber Grasshopper *Brachystola magna* (Girard) (Orthoptera: Romaleidae) in. *The Encyclopedia of Plant Pests*. CABI. **IN PRESS**
- 2018 Sanabria-Urbán, S., **Mariño-Pérez, R.**, and Song, H. Corn Grasshopper *Sphenarium purpurascens* Charpentier (Orthoptera: Pyrgomorphidae) in. *The Encyclopedia of Plant Pests*. CABI. **IN PRESS**
- 2011 **Mariño-Pérez, R.**, P. Fontana and F. M. Buzzetti. Identification of Plague grasshoppers in the north-center of Mexico. (33-55) In: García-Gutiérrez, C. y J. Lozano-Gutiérrez (Coords.). *Biological control of grasshoppers plagues in the North-Center of Mexico*. Universidad Autónoma de Zacatecas. 170 pp. ISBN: 978-607-7678-51-9. [In Spanish].
- 2007 **Mariño-Pérez, R.** and C. Mendoza-Almeralla. Biological aspects of "insects" in the big screen. (159-165). In: Navarrete-Heredia, J.L., G.A. Quiróz-Rocha and H.E. Fierros López (Coords.). *Cultural Entomology, an Iberoamerican vision*. Universidad de Guadalajara, Guadalajara. 333 pp. ISBN: 978-970-27-1224-4 [In Spanish].

#### C) BOOKS

- 2017 Fontana P., F. M. Buzzetti, **R. Mariño-Pérez**, I. Castellanos-Vargas, S. Monge-Rodríguez and Z. Cano-Santana. Ortópteros de Oaxaca: Guía fotográfica de campo / Orthopterans of Oaxaca: Photographic Field Guide. WBA Handbooks 8. Verona, Italia. 208 pp. ISBN: 978-88-903323-7-1 [Bilingual; English and Spanish]
- 2008 Fontana P., F. M. Buzzetti and **R. Mariño-Pérez**. *Chapulines, Langostas, Grillos y Esperanzas de México. Guía fotográfica / Grasshoppers, Locusts, Crickets and Katydid of Mexico. Photographic guide*. WBA Handbooks 1. Verona, Italia. 272 pp. ISBN: 978-88-903323-0-2 [Bilingual; English and Spanish]

#### D) NON-REFEREED PUBLICATIONS

- 2018 **Mariño-Pérez, R.** Type diversity of Pyrgomorphidae IV: Museo Civico di Storia Naturale “Giacomo Doria”, Genova, Italy. *Metaleptea*. 38(3): 13-14.
- 2018 **Mariño-Pérez, R.**, S. Sanabria-Urbán, B. Foquet and M. E. Pocco. Collecting in Southern Mexico: Oaxaca and Guerrero states. *Metaleptea*. 38(1): 28-31.
- 2017 **Mariño-Pérez, R.** Recolectando insectos en Mozambique. *Boletín de la Asociación Mexicana de Sistemática de Artrópodos*. 1(1): 6-7. [In Spanish]
- 2017 **Mariño-Pérez, R.** Type diversity of Pyrgomorphidae III: Museo Nacional de Ciencias Naturales, Madrid, Spain. *Metaleptea*. 37(3): 22-24.
- 2017 **Mariño-Pérez, R.** Book Review: Acridofagia y otros insectos / Acridophagy and other insects. *Metaleptea*. 37(2): 29-30.
- 2017 **Mariño-Pérez, R.** Type diversity of Pyrgomorphidae II: Genève, Zürich, Wien, Stockholm, Uppsala and København. *Metaleptea*. 37(2): 6-9.
- 2016 **Mariño-Pérez, R.** and B. Foquet. Collecting in Gorongosa National Park. Mozambique. *Metaleptea*. 36(3): 22-25.
- 2016 **Mariño-Pérez, R.**, D. Woller, B. Foquet and R. Selking. Collecting in Costa Rica: in search of Orthoptera. *Metaleptea*. 36(3): 25-29.
- 2016 **Mariño-Pérez, R.** Salvador Dalí and the grasshoppers. *Metaleptea*. 36(2): 23-24.
- 2015 **Mariño-Pérez, R.** Orthopteroids in the exhibition “Zoology in the Mexican Art”. *Metaleptea*. 35(3): 18-19.
- 2015 **Mariño-Pérez, R.** On the origin of the New World Pyrgomorphidae. *Metaleptea*. 35(3): 11-13.
- 2015 **Mariño-Pérez, R.** Type diversity of Pyrgomorphidae. *Metaleptea*. 35(2): 16-21.
- 2015 **Mariño-Pérez, R.** How a non-sound-producing grasshopper can inspire a musical piece. *Metaleptea*. 35(1): 18-19.
- 2014 Fontana, P. and **R. Mariño-Pérez**. The discovery of the Mexican grasshopper *Liladownsia fraile*. *GSG Newshopper*. Newsletter of the IUCN SSC Grasshopper Specialist Group. August: 30-36.
- 2012 Woller, D. and **R. Mariño-Pérez**. Musings on Mexico: A Mexican Travelogue. *Metaleptea*. 32(1): 10-16.

#### E) ABSTRACTS

- 2018 Yang, L. R. Deshmukh, K. Kunte, **R. Mariño-Pérez**, H. Song, M. Picker and P. Andolfatto. Predictable evolution of Orthopteran cardenolide insensitivity. in: Abstracts of the II Joint Congress on Evolutionary Biology.
- 2018 Medina-Durán, J.H., R. Mayén-Estrada, H. Song and **R. Mariño-Pérez**. Two species of eugregarines parasites of the Mexican Lubber grasshopper *Taeniopoda centurio*: Notes on its morphology and phylogenetic position. in: Abstracts of the 5th Joint Meeting of PSA / ISOP. p. 81.
- 2018 **Mariño-Pérez, R.** and H. Song. Sobre el origen de los Pyrgomorphidae (Insecta: Orthoptera) del Nuevo Mundo. *in*: Resúmenes del 1er Congreso de la Asociación Mexicana de Sistemática de Artrópodos. p. 78.
- 2017 **Mariño-Pérez, R.** and H. Song. An illustrated key to the Pyrgomorphidae genera of the World (Orthoptera: Caelifera). *in*: Proceedings of the 65<sup>th</sup> Annual Meeting of The Entomological Society of America.
- 2017 **Mariño-Pérez, R.** and H. Song. Compounding effects of ancient diversification and morphological convergence: A case study based on Pyrgomorphidae (Orthoptera: Caelifera). *In*. Abstracts of the 8<sup>th</sup> Dresden Meeting on Insect Phylogeny. p. 39.
- 2016 **Mariño-Pérez, R.** Orthoptera conservation in México, current status and challenges. *In*: Abstracts of the 12<sup>th</sup> International Congress of Orthopterology. *Metaleptea* (special meeting issue). 1-109. p. 24.
- 2016 **Mariño-Pérez, R.** and H. Song. Current knowledge of Pyrgomorphidae Systematics using morphological and molecular data. *In*: Abstracts of the 12<sup>th</sup> International Congress of Orthopterology. *Metaleptea* (special meeting issue). 1-109. p. 19.
- 2016 **Mariño-Pérez, R.** and H. Song. Towards a comprehensive knowledge of Pyrgomorphidae (Orthoptera: Caelifera) systematics. *In*: Proceedings of the XXV International Congress of Entomology.
- 2016 Medina-Durán, J., R. Mayén-Estrada, **R. Mariño-Pérez** and H. Song. Comparative morphometry of *Leidyana* sp. (Eugregarinorida) and its first record in *Conocephalus ictus* (Orthoptera: Ensifera: Tettigoniidae) from Mexico. *Protistology*. 10(2): 46.
- 2015 **Mariño-Pérez, R.** and H. Song. On the origin of New World Pyrgomorphidae. *in*: Proceedings of the 63<sup>rd</sup> Annual Meeting of The Entomological Society of America.
- 2014 **Mariño-Pérez, R.** Edible Orthopteroids: The Mexican case. *in*: Abstracts of the Member Symposium "Utilizing orthopteroid insects to overcome grand challenges in an ever-evolving world". 62<sup>th</sup> Annual Meeting of The Entomological Society of America. *Metaleptea*. 35(1): 3-14. pp. 7-8.
- 2014 **Mariño-Pérez, R.** and H. Song. Preliminary study of aposematic coloration and mid-dorsal abdominal glands in Pyrgomorphidae (Orthoptera: Caelifera). *in*: Proceedings of the 62<sup>nd</sup> Annual Meeting of The Entomological Society of America.
- 2014 Medina-Durán, J., R. Mayén-Estrada, **R. Mariño-Pérez** and H. Song. First record of gregarines (Apicomplexa: Eugregarinorida: Hirmocystidae) in *Conocephalus* sp. (Orthoptera: Tettigoniidae) from Tlanchinol, Hidalgo, Mexico. *in*. Abstracts of the 13<sup>th</sup> International Congress of Parasitology.
- 2013 Woller, D., **R. Mariño-Pérez** and S. Morales. We came, we collected, we started a genomic collection! Greater applications for the results of a 2012 BioBlitz by the UCF Terrestrial Invertebrate Team. *in*: Proceedings of the 61<sup>th</sup> Annual Meeting of The Entomological Society of America.

- 2013 **Mariño-Pérez, R.** and H. Song. Wing evolution in Pyrgomorphidae. *in*: Proceedings of the 61<sup>st</sup> Annual Meeting of The Entomological Society of America.
- 2013 **Mariño-Pérez, R.** Orthoptera in Mexican Culture. *in*: Abstracts of the 11<sup>th</sup> International Congress of Orthopterology. *Metaleptea* (special meeting issue). 1-203. p. 198.
- 2013 **Mariño-Pérez, R.** and H. Song. Systematics of Pyrgomorphidae (Caelifera). *in*: Abstracts of the 11<sup>th</sup> International Congress of Orthopterology. *Metaleptea* (special meeting issue). 1-203. p. 68.
- 2012 **Mariño-Pérez, R.** and H. Song. Orthoptera in Mexico: Current status, challenges and future directions. *in*: Proceedings of the 60<sup>th</sup> Annual Meeting of The Entomological Society of America.
- 2012 **Mariño-Pérez, R.** and H. Song. Preliminary Phylogeny of Pyrgomorphidae (Orthoptera: Caelifera) based on morphological characters. *in*: Proceedings of the 60<sup>th</sup> Annual Meeting of The Entomological Society of America.
- 2012 **Mariño-Pérez, R.** and H. Song. Preliminary Phylogeny of Pyrgomorphidae (Orthoptera: Caelifera) based on morphological characters. *in*: Proceedings of the XXIV International Congress of Entomology.
- 2011 Abela-Posada, L.A. and **R. Mariño Pérez.** Analysis of the Nepomorpha (Insecta: Hemiptera) from Mexico. *in*. Proceedings of the XX Mexican Congress of Zoology. [In spanish]
- 2011 Zepeda-Rodríguez, A., **R. Mariño-Pérez,** I. Sigala-Regalado and R. Mayén-Estrada Microscopical evidence of length stalk variation of ciliated suctorian *Discophrya elongata* according host (*Notonecta* sp.) habitat. *in*. Proceedings of the XI Interamerican Congress on Microscopy.
- 2011 Mayén-Estrada, R., L. A. Abela-Posada. S. Chávez-Ávila and **R. Mariño-Pérez.** Mexican arthropod-ciliated protozoan system: an overview. *in* Proceedings of the VI European Congress of Protistology. pp. 89-90.
- 2010 Zepeda-Rodríguez, A., **R. Mariño-Pérez** and R. Mayén-Estrada. Microscopic study of epibionts (Ciliophora) of some aquatic true bugs (Hemiptera: Nepomorpha). *in*. Proceedings of the XVII International Microscopy Congress.
- 2009 **Mariño-Pérez, R.,** R. Mayén-Estrada and I. Dovgal. Some aspects of the evolutionary trends of epibiosis protozoans - arthropods system. *in*. Abstracts of the International Conference "Modern views on the evolution of the organic world". p. 50. ISBN: 978-966-02-5450-3
2008. Zepeda-Rodríguez, A., **R. Mariño-Pérez** and R. Mayén-Estrada. Microscopic study of *Discophrya elongata* and *Acineta tuberosa* (Ciliophora: Suctorina), epibionts of *Corisella edulis* (Hemiptera: Corixidae). *in*. Proceedings of the IX National Congress of Microscopy. [In spanish]
2008. **Mariño-Pérez, R.** and R. Mayén-Estrada. 2008. Two species of backswimmers (Notonectidae) and one species of water boatmen (Corixidae) as basibionts of some protozoan ciliates. *in*: Proceedings of the XXIII International Congress of Entomology. p. 1406.
2008. **Mariño-Pérez, R.,** P. Fontana and F. M. Buzzetti. Grasshoppers, locusts, crickets and katydids of Mexico: a new synthesis. *in*: Proceedings of the XXIII International Congress of Entomology. p. 1240.
2007. **Mariño-Pérez, R.** and R. Mayén-Estrada. Two species of epibiont ciliates (Suctorina) on *Hesperocorixa* sp. (Hemiptera: Corixidae) from a pond in Hidalgo, Mexico. *in*: Abstracts of V European Congress of Protistology and XI European Conference on Ciliate Biology. *Protistology* 5 (1) 9-91. p. 53.

## F) TECHNICAL REPORTS

- 2012 Cano-Santana, Z., I. Castellanos-Vargas, P. Fontana, F.M. Buzzetti and **R. Mariño-Pérez**. Ortopteroides de Oaxaca, México: Orthoptera, Mantodea y Phasmatodea. Universidad Nacional Autónoma de México. Facultad de Ciencias. Informe final SNIB-CONABIO, proyecto GE001. México, D.F. 76 pp. [In Spanish]

## SYMPOSIA ORGANIZED

- 2016 The orthopteran systematics in a changing world.  
Organizers: Hojun Song and **Ricardo Mariño-Pérez**. 12<sup>th</sup> International Congress of Orthopterology, Ilheus, Brazil. October 30 to November 3.
- 2014 Utilizing Orthopteroid Insects to Overcome Grand Challenges in an Ever-Evolving World.  
Organizers: Derek A. Woller, Tyler Raszick, **Ricardo Mariño-Pérez** and JoVonn Hill. 62<sup>th</sup> Annual Meeting of the Entomological Society of America, Portland, Oregon, USA. November 16-19.

## INVITED SEMINARS

- 2016 12th International Congress of Orthopterology, Ilheus, Brazil, October 30 to November 3. Symposium "Orthoptera Conservation". **R. Mariño-Pérez**. Orthoptera conservation in México, current status and challenges.
- 2016 12th International Congress of Orthopterology, Ilheus, Brazil, October 30 to November 3. Symposium "The orthopteran systematics in a changing world". **R. Mariño-Pérez** and H. Song. Current knowledge of Pyrgomorphidae Systematics using morphological and molecular data.
- 2014 62nd Annual Meeting of the Entomological Society of America, Portland, Oregon, USA, November 16-19. Member Symposium "Utilizing Orthopteroid Insects to Overcome Grand Challenges in and Ever-Evolving World". **R. Mariño-Pérez**. Edible Orthopteroids: The Mexican case.
- 2013 11th International Congress of Orthopterology, Kunming, China, July 11-15. Symposium "Orthoptera Systematics". **R. Mariño-Pérez** and H. Song. Systematics of Pyrgomorphidae (Caelifera).
- 2013 11th International Congress of Orthopterology, Kunming, China, July 11-15. Symposium "Orthoptera in Culture and Education". **R. Mariño-Pérez**. Orthoptera in Mexican Culture.
- 2012 60<sup>th</sup> Annual Meeting of the Entomological Society of America, Knoxville, Tennessee, USA, November 11-14. Section Symposium "Biodiversity in Mexico". **R. Mariño-Pérez** and H. Song. Orthoptera in Mexico: Current status, challenges and future directions.
- 2007 VII Latin-American Congress of Entomology and XLII National Congress of the Mexican Society of Entomology. Acapulco, Guerrero, Mexico. June 17-21. International Symposium of Cultural Entomology **R. Mariño-Pérez** and C. Mendoza-Almeralla. Biological aspects of "insects" in the big screen.

## PRESENTATIONS CONTRIBUTED AS PRIMARY AUTHOR

- 2018 1er Congreso de la Asociación Mexicana de Sistemática de Artrópodos, Ciudad de México, México. Enero 24-26. **Mariño-Pérez, R.** y H. Song. Sobre el origen de los Pyrgomorphidae (Insecta: Orthoptera) del Nuevo Mundo.



- 2017 65<sup>th</sup> Annual Meeting of The Entomological Society of America, Denver, Colorado, USA. November 5-8. **R. Mariño-Pérez**, R. and H. Song. An illustrated key to the Pyrgomorphidae genera of the World (Orthoptera: Caelifera).
- 2017 8<sup>th</sup> Dresden Meeting on Insect Phylogeny, Dresden, Germany, September 22-24. **R. Mariño-Pérez** and H. Song. Compounding effects of ancient diversification and morphological convergence: A case study based on Pyrgomorphidae (Orthoptera: Caelifera).
- 2016 XXV International Congress of Entomology, Orlando, USA, September 25-30. **R. Mariño-Pérez** and H. Song. Towards a comprehensive knowledge of Pyrgomorphidae (Orthoptera: Caelifera) systematics.
- 2015 63rd Annual Meeting of the Entomological Society of America, Minneapolis, Minnesota, USA, November 15-18. **R. Mariño-Pérez** and Hojun Song. On the origin of New World Pyrgomorphidae.
- 2014 62nd Annual Meeting of the Entomological Society of America, Portland, Oregon, USA, November 16-19. **R. Mariño-Pérez**. Travel award recipient. A comparative analysis of coloration and chemical defense in the genus *Sphenarium* (Orthoptera: Pyrgomorphidae).
- 2014 62th Annual Meeting of the Entomological Society of America, Portland, Oregon, USA, November 16-19. **R. Mariño-Pérez** and H. Song. Preliminary study of aposematic coloration and mid-dorsal abdominal glands in Pyrgomorphidae (Orthoptera: Caelifera).
- 2013 61<sup>st</sup> Annual Meeting of the Entomological Society of America, Austin, Texas, USA, November 10-13. **R. Mariño-Pérez** and H. Song. Wing Evolution in Pyrgomorphidae.
- 2012 60<sup>th</sup> Annual Meeting of the Entomological Society of America, Knoxville, Tennessee, USA, November 11-14. **R. Mariño-Pérez** and H. Song. Preliminary Phylogeny of Pyrgomorphidae (Orthoptera: Caelifera) based on morphological characters.
- 2012 XXIV International Congress of Entomology, Daegu, Korea, August 19-25. **R. Mariño-Pérez** and H. Song. Preliminary Phylogeny of Pyrgomorphidae (Orthoptera: Caelifera) based on morphological characters.
- 2009 International conference «Modern views on the evolution of the organic world», dedicated to 200th anniversary of Charles Darwin and 150th anniversary of the first issue of his book “On the origin of species by means of natural selection”. Kiev, Ukraine. November 18-20. **R. Mariño-Pérez**, R. Mayén-Estrada and I. Dovgal. Some aspects of the evolutionary trends of epibiosis protozoans - arthropods system.
- 2008 XXIII International Congress of Entomology, Durban, South Africa, July 6-12. **R. Mariño-Pérez** and R. Mayén-Estrada. Two species of backswimmers (Notonectidae) and one species of water boatmen (Corixidae) as basibionts of some protozoan ciliates.
- 2008 XXIII International Congress of Entomology, Durban, South Africa, July 6-12. **R. Mariño-Pérez**, P. Fontana and F.M. Buzzetti. Grasshoppers, locusts, crickets and katydids of Mexico: a new synthesis.
- 2007 V European Congress of Protistology and XI European Conference on Ciliate Biology, Saint Petersburg, Russia, July 23-27. **R. Mariño-Pérez** and R. Mayén-Estrada. Two species of epibiont ciliates (Suctoria) on *Hesperocorixa* sp. (Hemiptera: Corixidae) from a pond in Hidalgo, Mexico.

#### OTHER PRESENTATIONS

- 2018 II Joint Congress on Evolutionary Biology, Montpellier, Francia, Agosto 18-22. Lu Yang, Riddhi Deshmukh, Krushnamegh Kunte, **Ricardo Mariño-Pérez**, Hojun Song, Mike Picker and Peter Andolfatto. Predictable evolution of orthopteran cardenolide insensitivity.
- 2018 5th Joint Meeting of PSA / ISOP, Vancouver, Canadá, Julio 29-Agosto 2. Jorge Medina-Durán, Rosaura Mayén-Estrada, Hojun Song and **Ricardo Mariño-Pérez**. Two species of eugregarines parasites of the Mexican Lubber grasshopper **Taeniopoda centurio**: Notes on its morphology and phylogenetic position.
- 2016 Protist-2016, Moscow, Russia, June 6-10. Jorge Medina-Durán, Rosaura Mayén-Estrada, **Ricardo Mariño-Pérez** and Hojun Song. Comparative morphometry of *Leidyana* sp. (Eugregarinorida) and its first record in *Conocephalus ictus* (Orthoptera: Ensifera: Tettigoniidae) from Mexico.
- 2014 13<sup>th</sup> International Congress of Parasitology, Mexico City, Mexico, August 10-15. Jorge Medina-Durán, Rosaura Mayén-Estrada, **Ricardo Mariño-Pérez** and Hojun Song. First record of gregarines (Apicomplexa: Eugregarinorida: Hirmocystidae) in *Conocephalus* sp. (Orthoptera: Tettigoniidae) from Tlanchinol, Hidalgo, Mexico.
- 2013 61<sup>th</sup> Annual Meeting of the Entomological Society of America, Austin, Texas, USA, November 10-13. D. Woller, **Ricardo Mariño-Pérez** and S. Morales. We came, we collected, we started a genomic collection! Greater applications for the results of a 2012 BioBlitz by the UCF Terrestrial Invertebrate Team
- 2011 XX Mexican Congress of Zoology, Cuernavaca, Mexico, November 14-18. Laura Andrea Abela-Posada and **Ricardo Mariño-Pérez**. Analysis of the Nepomorpha (Insecta: Hemiptera) from Mexico.
- 2011 XI Interamerican Congress on Microscopy, Mérida, Mexico, September 24-29. Armando Zepeda-Rodríguez, **Ricardo Mariño-Pérez**, Itzel Sigala-Regalado and Rosaura Mayén-Estrada. Microscopical evidence of length stalk variation of ciliated suctorian *Discophrya elongata* according host (*Notonecta* sp.) habitat.
- 2011 VI European Congress of Protistology, Berlin, Germany, July 25-29. Rosaura Mayén-Estrada, Laura Andrea Abela-Posada, Sandra Chávez-Ávila and **Ricardo Mariño-Pérez**. Mexican arthropod-ciliated protozoan system: an overview.
- 2010 XVII International Microscopy Congress, Rio de Janeiro, Brazil, September 19-24. Armando Zepeda-Rodríguez, **Ricardo Mariño-Pérez** and Rosaura Mayén-Estrada. Microscopic study of epibionts (Ciliophora) of some aquatic true bugs (Hemiptera: Nepomorpha).
- 2008 IX National Congress of Microscopy, Guanajuato, Mexico. November 9-13. Armando Zepeda-Rodríguez, **Ricardo Mariño-Pérez** and Rosaura Mayén-Estrada. Microscopic study of *Discophrya elongata* and *Acineta tuberosa* (Ciliophora: Suctoria), epibionts of *Corisella edulis* (Hemiptera: Corixidae).

#### ACADEMIC SHORT-TERM VISITS

- 2010 Istituto Agrario Di San Michele all'Adige, Trento, Italy, June 7-13, working with Dr. Paolo Fontana and Dr. Filippo Maria Buzzetti.
- 2009 Istituto Agrario Di San Michele all'Adige, Trento, Italy, December 1-18, working with Dr. Paolo Fontana and Dr. Filippo Maria Buzzetti.
- 2009 Schmalhausen Institute of Zoology, Kiev, Ukraine, November 17-30, working with Dr. Igor Dovgal.

- 2009 Istituto Agrario Di San Michele all'Adige, Trento, Italy, April 1-11, working with Dr. Paolo Fontana and Dr. Filippo Maria Buzzetti.
- 2008 Illinois Natural History Survey, Champaign-Urbana, Illinois, USA, February 4-11, working with Dr. Paul Tinerella, Dr. Roman Rakitov and Dr. Christopher Dietrich.

## MUSEUM VISITS

- 2018 Academy of Natural History of Philadelphia (ANSP), Philadelphia, Pennsylvania, USA  
California Academy of Sciences (CAS), San Francisco, California, USA:
- 2017 Natural History Museum of Los Angeles County (LACM), Los Angeles, USA.  
Museo Civico di Storia Naturale "Giacomo Doria" (MCSN), Genova, Italy.
- 2016 Muséum d'Histoire Naturelle (MHNG), Geneve, Switzerland.  
Eidgenössische Technische Hochschule (ETHZ), Zürich, Switzerland.  
Naturhistorisches Museum (NMW), Wien, Austria.  
Zoological Museum of the University of Copenhagen (ZMUC), Denmark.  
Naturhistoriska Riksmuseet (NHRS), Stockholm, Sweden.  
Museum of Uppsala University (UZI), Sweden.
- 2015 Museo Nacional de Ciencias Naturales (MNCN), Madrid, Spain.
- 2014 Academy of Natural History of Philadelphia (ANSP), Philadelphia, Pennsylvania, USA.  
Museum of Zoology at University of Michigan (UMMZ), Ann Arbor, Michigan, USA.  
Museo Nacional de Historia Natural (MHND), Santo Domingo, Dominican Republic.  
British Museum of Natural History (BMNH), London, England.  
Muséum national d'Histoire naturelle (MNHN), Paris, France.  
Museum für Naturkunde, (ZMB) Berlin, Germany.
- 2013 Academy of Natural History of Philadelphia (ANSP), Philadelphia, Pennsylvania, USA.  
Illinois Natural History Survey Insect Collection (INHS), Champaign, Illinois, USA.
- 2011 Museum of Entomology, Florida State Collection of Arthropods (FSCA), Gainesville, Florida, USA.
- 2010 Colección Nacional de Insectos (CNIN) Biology Institute, Mexico City, Mexico.

## REFEREE

*Aquatic Insects* (Heteroptera) 2015, (Protozoa) 2016.  
*Arthropod Systematics & Phylogeny* (Orthoptera) 2017.  
*Cahiers de Biologie Marine* (Protozoa) 2012.  
*Entomologia Experimentalis et Applicata* (Orthoptera) 2018.  
*Insect Systematics and Evolution* 2015, 2016.  
*Journal of Orthoptera Research* 2013, 2017.  
*Revista Mexicana de Biodiversidad* 2017  
*Oriental Insects* (Orthoptera) 2017.  
*The Canadian Entomologist* (Orthoptera) 2018  
*Turkish Journal of Zoology* (Orthoptera) 2017.  
*Zoologischer Anzeiger* (Orthoptera) 2017 (2).  
*Zootaxa* (Orthoptera) 2013, 2014 (2), 2018 (3); (Protozoa) 2011.

## EDITOR

Boletín de la Asociación Mexicana de Sistemática de Artrópodos.

## **GRANTS (31,487 USD)**

- 2017 Orthopterists' Society. Support to publish the book "Ortópteros de Oaxaca: Guía fotográfica de campo / Orthopterans of Oaxaca: Photographic Field Guide" **Ricardo Mariño-Pérez (5,000 USD)**
- 2017 Caelifera type collection of San Francisco and Hawaii Museums in the Orthoptera Species File. PI **Ricardo Mariño-Pérez (2,800 USD)**
- 2016 Supplement to Orthoptera Species File Grant. "Enhancing digital content for Pyrgomorphidae (Orthoptera: Caelifera) in the Orthoptera Species File". PI **Ricardo Mariño-Pérez. (4,450 USD)**
- 2013-2014 Orthoptera Species File Grant. "Enhancing digital content for Pyrgomorphidae (Orthoptera: Caelifera) in the Orthoptera Species File". PI Dr. Hojun Song; CoPI **Ricardo Mariño-Pérez. (19,237 USD)**

## **SCHOLARSHIPS AND AWARDS (99,000 USD)**

- 2018 Department of Entomology, Texas A&M University. Travel Grant to attend the 2018 ESA, ESC, and ESBC Joint Annual Meeting, Vancouver, Canada, November 11-14 (600 USD).
- 2018 Entomology Collection Network-Systematic and Evolution Branch (ECN-SysEB) Collection Management Workshop Travel Grant to assist the Entomological Collection Management Workshop in California Academy of Sciences, San Francisco, USA (1,000 USD).
- 2017 2nd place, Student Competition for the Presidents Prize, Entomological Society of America, Systematics Evolution and Biodiversity Section (SysEB), Acari, Araneae, Opiliones, Orthoptera, Phasmatodea, and Phthiraptera
- 2017 Graduate Student Research and Presentation Travel Award of the Office of Graduate and Professional Studies, Texas A&M University to attend the 8<sup>th</sup> Dresden Meeting of Insect Phylogeny in Dresden, Germany, September 22-24 (750 USD).
- 2016 Ted Cohn Award for excellence as a young professional orthopterist, presented at the 12<sup>th</sup> International Congress of Orthopterology in Ilheus, Brazil (2,500 USD).
- 2015 CONACYT (National Council of Science and Technology). Scholarship #409158 (41 months) to study PhD in Entomology at Texas A&M (stipend 1,100 USD/month + tuition fees ~28,000 USD).
- 2014 University of Central Florida, Student Government Senate. Conference Registration and Travel Award to attend the 62<sup>th</sup> Annual Meeting of The Entomological Society of America, Portland, Oregon, USA, November 16-19 (250 USD).
- 2014 University of Central Florida, College of Graduate Studies Travel Fellowship to attend the 62<sup>th</sup> Annual Meeting of The Entomological Society of America, Portland, Oregon, USA, November 16-19 (500 USD).
- 2014 Orthopterists' Society, Ted Cohn Research Fund (1,000 USD).

- 2013 University of Central Florida, Student Government Senate. Conference Registration and Travel Award to attend the 61<sup>th</sup> Annual Meeting of The Entomological Society of America, Austin, Texas, USA, November 8-13 (250 USD).
- 2013 University of Central Florida, College of Graduate Studies Travel Fellowship to attend the 11th International Congress of Orthopterology, Kunming, China, August 11-15 (650 USD).
- 2013 Entomological Society of America, Systematics Evolution and Biodiversity Section (SysEB) Travel Award (1,500 USD).
- 2012 University of Central Florida, Student Government Senate. Conference Registration and Travel Award to attend the 60<sup>th</sup> Annual Meeting of The Entomological Society of America, Knoxville, Tennessee, USA, November 11-14 (250 USD).
- 2012 University of Central Florida, College of Graduate Studies Travel Fellowship to attend the XXIV International Congress of Entomology, Daegu, South Korea, August 19-24 (650 USD).
- 2008 Posgrado en Ciencias Biológicas. Universidad Nacional Autónoma de México. Graduate Student Scholarship to attend the XXIII International Congress of Entomology, Durban, South Africa, July 6-12 (700 USD).
- 2007 Posgrado en Ciencias Biológicas. Universidad Nacional Autónoma de México. Graduate Student Scholarship to attend the V European Congress of Protistology and XI European Conference on Ciliate Biology, Saint Petersburg, Russia, July 23-27 (700 USD).
- 2006-2008 CONACYT (National Council of Science and Technology). Scholarship to study the Master of Science degree (24 months) at Posgrado en Ciencias Biológicas, Universidad Nacional Autónoma de México. (650 USD/month).

#### **EXTRACURRICULAR FORMATION (COURSES)**

- 2018 Entomological Collection Management Workshop. Instructors: Drs. David Furth and Floyd Shockley. California Academy of Sciences, San Francisco, USA. July 22-26. 32 hrs.
- 2017 Phylosophy of Biological Systematics. Instructor: Dr. Kirk Fitzhugh. Natural History Museum of Los Angeles County, Los Angeles, USA. August 14-18. 40 hrs.
- 2015 Historical Biogeography: Fundamentals and Applications. Instructors: Drs. Claudia A. Szumik and Lone Aagesen. Els Hostalets de Pierola, Barcelona, Spain. June 15-19. 40 hrs.
- 2013 Orthoptera Species File training. Illinois Natural History Survey, USA. February 25-27. 24 hrs.
- 2010 Identification of some arthropod parasites in diverse wild animals. Veterinary Sciences Faculty, UNAM, Mexico. January 26-29. 28 hrs.
2009. Laboratory techniques for invertebrates. Science Faculty, UNAM, Mexico. August 3-7. 25 hrs.
2006. Actual therapeutic in attack of poisoning animals: Fabotherapy. Cellular Physiology Institute, UNAM, Mexico. October 10.
- 2005 Ethnoentomology: Theoretical and methodological approaches and its actual importance. Instructor: Dr. Eraldo Medeiros Costa Neto. Biology Institute, UNAM, Mexico. September 8-24. 41 hrs.

- 2005 Phylogenetic Analysis for Comparing Trees (PACT). Instructor: Dr. Daniel R. Brooks. Biology Institute, UNAM, Mexico. April 11.
- 2004 Zoological Nomenclature. Instructor: Dr. Nelson Papavero. Science Faculty, UNAM, Mexico. June 14-18. 10 hrs.
- 2003 First Biogeographical Journals. RIBES. UNAM, Mexico. September 24-26.
- 2002 Medical Actualization in the Ostrich Production, Veterinary Sciences Faculty, UNAM, Mexico. November 7-8. 16½ hrs.

## FIELD EXPERIENCE

- 2003-2010 Veracruz, Mexico (Invertebrates).
- 2004 Oaxaca, Mexico (Heteroptera)
- 2005 Guerrero, Mexico (Heteroptera)
- 2005 Center and Northern Mexico (Hemiptera: Auchenorrhyncha and Prosorrhyncha).
- 2005 Sea of Cortez, Mexico (Invertebrates: Mollusca and Crustacea).
- 2006-2010 Center of Mexico (Aquatic Heteroptera).
- 2007 Lobos' Island, Veracruz, Mexico (Invertebrates).
- 2007-2010 Center and Southern of Mexico (Orthoptera, Phasmatodea, Mantodea and Heteroptera).
- 2008 Socorro Island, Mexico (Invertebrates: Echinodermata and Mollusca).
- 2010 Calabria and Basilicata, Southern Italy (Orthoptera).
- 2011 Southern Mexico (Orthoptera).
- 2012 Florida, USA (Orthoptera), Hidalgo, Mexico (Orthoptera).
- 2013 Florida Keys, USA (Orthoptera), Virgin Islands (Orthoptera), China (Orthoptera), Southern Mexico (Orthoptera).
- 2014 Dominican Republic (Orthoptera), Baja California Peninsula, Mexico (Orthoptera), Yucatan Peninsula, Mexico (Orthoptera).
- 2015 Texas, USA (Orthoptera), Yucatan Peninsula, Mexico (Orthoptera).
- 2016 Mozambique (Orthoptera), Costa Rica (Orthoptera).
- 2017 Mozambique (Orthoptera and Hemiptera), Mexico (Orthoptera), South Africa, Kwazulu-Natal (Orthoptera).

## MEMBERSHIPS

- Entomological Society of America (ESA) 2011-present.
- Orthopterists' Society (OS). 2011-present.
- Society of Systematic Biologists (SSB) 2011-2013.
- Mexican Society of Arthropods Systematics. 2017.

## AFFILIATIONS

- Orthoptera Species File, editor for Pyrgomorphidae (more than 5,000 images uploaded).
- Member of the International Union for Conservation of Nature (IUCN) Species Survival Commission (SSC) Grasshopper Specialist Group (GSG).

## COLLABORATORS

1. Collaborators. F. M. Buzzetti (World Biodiversity Association, ITALY); O. Conle (States Zoological Collection of Munich, GERMANY); I. Dovgal (Schmalhausen Institute of Zoology, Kiev, UKRAINE); P. Fontana (Istituto Agrario Di San Michele all'Adige, ITALY).

2. Undergraduate and graduate advisors: Undergraduate. Harry Brailovsky (Biology Institute, Universidad Nacional Autónoma de México); Graduate: Rosaura Mayén-Estrada (Sciences Faculty, Universidad Nacional Autónoma de México); Graduate: Hojun Song (Entomology Department Texas A&M).

#### **RESEARCH INTERESTS**

- Systematics, taxonomy, faunistics and ecology of Orthoptera.
- Relationship between aquatic true bugs and their epibionts (Protozoa: Ciliophora).
- Ethnoentomology.