

Pablo E. Gutiérrez-Fonseca

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Education

- 2016 Ph.D., Ecology and Systematic, University of Puerto Rico, Río Piedras campus, Puerto Rico. Dissertation Advisor: Ph.D. Alonso Ramírez.
- 2009 Lic., Aquatic Sciences, University of Costa Rica, San José, Costa Rica. Dissertation Advisor: MSc. Monika Springer.
- 2005 B.A., Biology, University of Costa Rica, San José, Costa Rica.

Positions

- 2022-present Lecturer, Rubenstein School of Environment and Natural Resources, University of Vermont.
- 2018-2021 Visiting Professor, Department of Biology, University of Costa Rica.
- 2018-2021 Researcher, Center for Research in Marine Science and Limnology, University of Costa Rica.
- 2016-2018 Postdoctoral Research Associate, Luquillo Long Term Ecological Research (LTER) program. University of Puerto Rico, Río Piedras.

Honors & Awards

- 2012 Best student oral presentation award, second place. First Latin-American Congress of Aquatic Macroinvertebrates. San Jose, Costa Rica.
- 2010 Distinguished Licenciante Thesis, University of Costa Rica.

Research Grants

- 2021 Financial support for the publication of the Special Issue: *Freshwater Ecosystems from Latin America* in the Revista de Biología Tropical. \$3,240
- 2020-2022 Ministry of Science, Technology and Telecommunications, Costa Rica. *Global observatory network for freshwater biodiversity in high mountain streams*. Co-PI, MSc. Monika Springer. \$85,105.
- 2014-2015 The Rufford Foundation, Rufford Small Grants (Ref: 15017-1), United Kingdom. *Key factors for aquatic macroinvertebrate conservation in the face of global climate change*. \$9,006.

Publications

*graduate student co-authors, **undergraduate co-authors

- Gutiérrez-Fonseca, P.E.**, Pringle, C.M., Ramírez, A., Gómez, J., & P., Gracia. 2022. Hurricane disturbance drives trophic changes in Neotropical mountain stream food webs. Submitted to Ecology.
- Hernández-Abrams, D.D.*, Connelly, S., Freeman, M.C., **Gutiérrez-Fonseca, P.E.**, & S.J. Wenger. 2022. Seasonal variability in macroinvertebrate assemblages in paired perennial and intermittent streams in Costa Rica. *Hydrobiologia*. Accepted.
- Colon-Gaud, C., Rosas, K.G., Sánchez-Ruiz, J., **Gutiérrez-Fonseca, P.E.**, & A. Ramírez. 2022. Tree bark, wood, and other plant pieces can be important habitats and fuel for tropical stream consumers. Submitted to *Front. Young Minds*. Accepted.
- Maasri, A., Jähnig, S. C., Adamescu, M. C., Adrian, R., Baigun, C., Baird, Batista-Morales, A., Bonada, N., Brown, L., Cai, Q., Campos-Silva, J., Clausnitzer, V., Contreras-MacBeath, T., Cooke, S., Datry, T., Delacamara, G., Dijkstra, K.J., Tu Do, V., Domisch, S., Dudgeon, D., Eros, T., Freitag, H., Freyhof, J., Friedrich, J., Friedrichs-Manthey, M., Geist, J., Gessner, M., Goethals, P., Gollock., M., Gordon, C., Grossart, H-P., Gulemvuga, G., **Gutierrez-Fonseca, P.E.**, et al. 2021. A Global Agenda for Advancing Freshwater Biodiversity Research. *Ecology Letters*. 25:255–263.
- Gutiérrez-Fonseca, P.E.**, Ramírez, A., Pringle, C.M., Torres, P.J., McDowell, W.H., Covich, A., Crowl, T. & O. Pérez-Reyes. 2020. When the rainforest dries up: drought effects on a tropical rainforest stream in Puerto Rico. *Freshwater Sciences*, 39(2), 197-212.
- Gutiérrez-Fonseca, P.E.**, & A., Ramírez. 2020. Mayfly emergence production and body length response to hydrology in a tropical lowland stream. *PeerJ*, 8:e9883.
- Ramírez, A., P.E., **Gutiérrez-Fonseca**. 2020. Freshwater research in Latin America: Current research topics, challenges, and opportunities. *Revista de Biología Tropical*, 68(2), 1-12.
- Tagliaferro, M., & P.E., **Gutiérrez-Fonseca**. 2020. Avances en el conocimiento de los ecosistemas de agua dulce en América Latina. *Revista de Biología Tropical*, 68(2), VIII-XIV.
- Classen-Rodríguez, L.***, **Gutiérrez-Fonseca, P.E.** & A., Ramírez. 2019. Leaf-litter decomposition and macroinvertebrate assemblages along an urban stream gradient in Puerto Rico. *Biotropica*, 51, 641–651.
- Bravo, F.*, Romero, D., **Gutiérrez-Fonseca, P.E.** & S., Echeverría-Sáenz. 2019. The description of *Anacroneuria suerre* sp. nov. from Costa Rica (Plecoptera: Perlidae) and using nymphs in ecotoxicological studies. *Zootaxa*, 4608(2), 357-364.
- Wohl, E., Hinshaw, S.K., Scamardo, J.E., & P.E. **Gutiérrez-Fonseca**. 2019. Transient Organic Jams in Puerto Rican Mountain Streams After Hurricanes. *River Research and Applications*, 35, 280–289.
- Ramírez, A., **Gutiérrez-Fonseca, P.E.**, Kelly, SP., Engman, A.C., Wagner, K., Rosas, K.G., & N., Rodríguez. 2018. Drought facilitates species invasions in urban streams: Results from a long-term study of tropical island fish assemblage structure. *Frontiers in Ecology and Evolution*, 6, 115.
- Gutiérrez-Fonseca, P. E.**, Ramírez, A., & C.M., Pringle. 2018. Large-scale climatic phenomena drive fluctuations in macroinvertebrate assemblages in lowland tropical streams, Costa Rica: The importance of ENSO events in determining long-term (15y) patterns. *PLoS One*, 13(2), e0191781-e0191781.

- Forero Céspedes, A.M.*, **Gutiérrez-Fonseca, P.E.**, & A., Ramírez. 2017. Facilitation between shrimps and mayflies in montane stream ecosystems, Puerto Rico. *Revista de la Asociación Colombiana de Ciencias Biológicas*, 1(29), 15-20.
- Klem, C.C.** & **P.E. Gutiérrez-Fonseca**. 2016. CO₂ -driven experimental acidification effects on aquatic macroinvertebrates in a tropical stream. *Journal of Freshwater Ecology*, 32(1), 195-204.
- Cornejo, A. & **P.E. Gutiérrez-Fonseca**. 2016. Orden Plecoptera (Insecta) en Panamá: Listado y distribución de especies, comparación con la riqueza taxonómica regional. *Puente Biológico*, 7, 109-129.
- Ramírez, A., & **P.E., Gutiérrez-Fonseca**. 2016. Sobre ensambles y ensamblajes ecológicos-respuesta a Monge-Nájera. *Revista de Biología Tropical*, 64(2), 817-819.
- Gutiérrez-Fonseca, P. E.**, & A., Ramírez. 2016. Evaluación de la calidad ecológica de los ríos en Puerto Rico: principales amenazas y herramientas de evaluación. *Hidrobiológica*, 26(3), 433-441.
- Gutiérrez-Fonseca, P. E.**, & M., Springer. 2015. A new species of *Anacroneuria* Klapálek 1909 (Plecoptera: Perlidae) and notes on the altitudinal distribution of the genus in Costa Rica. *Zootaxa*, 4058(4), 595-600.
- Gutiérrez-Fonseca, P. E.**, A. M. Alonso-Rodríguez, A. Cornejo, A. C. Bailey, J. M. Maes & A. Ramírez. 2015. New records of *Anacroneuria* Klapálek, 1909 (Plecoptera: Perlidae) for Central America. *Zootaxa*, 3994(3), 445-448.
- Gutiérrez-Fonseca, P.E.** 2015. Three new species of *Anacroneuria* Klapálek (Plecoptera: Perlidae) from Panama. *Zootaxa*, 3957(1), 69-76.
- Ramírez, A. & **P.E. Gutiérrez-Fonseca**. 2014. Estudios sobre macroinvertebrados acuáticos en América Latina: avances recientes y direcciones futuras. *Revista de Biología Tropical*. 62(Suppl2):9-20.
- Ramírez, A. & **P.E. Gutiérrez-Fonseca**. 2014. Functional feeding groups of aquatic insect families in Latin America. *Revista de Biología Tropical*. 62(Suppl2):155-167.
- Gutiérrez-Fonseca, P.E.** & C.M. Lorion. 2014. Application of the BMWP-Costa Rica biotic index in aquatic biomonitoring: sensitivity to collection method and sampling intensity. *Revista de Biología Tropical*. 62(Suppl2): 275-289.
- Gutiérrez-Fonseca, P.E.** & L., Ortiz-Rivas. 2013. Substrate preferences for attaching gumfoot lines in *Latrodectus geometricus* (Aranae: Theridiidae). *Entomological News*. 123123(5): 371-379.
- Gutiérrez-Fonseca, P.E.**, K.G. Rosas & A. Ramírez. 2013. Aquatic insects of Puerto Rico: a list of families. *Dugesiana*. (20)2: 215-219.
- Gutiérrez-Fonseca, P.E.**, A. Ramírez, G. Umaña & M. Springer. 2013. Macroinvertebrados del agua dulce de la Isla del Coco, Costa Rica: primer listado y un análisis comparativo con otras islas del Pacífico Tropical Oriental. *Revista de Biología Tropical*. 61(2):257-268.
- Ramírez, A. & **P.E. Gutiérrez-Fonseca**. 2013. The larvae of *Heteragrion majus* Selys and *H. atrolineatum* Donnelly, with a key to known species from Costa Rica (Odonata: Megapodagrionidae). *Zootaxa* 3609(1): 096–100.
- Ramírez, A., Altamiranda-Saavedra M., **Gutiérrez-Fonseca P.** & M. Springer. 2011. The Neotropical damselfly genus *Cora*: new larval descriptions and a comparative analysis of known species (Zygoptera: Polythoridae). *International Journal of Odonatology*. 14(3): 249-256.

Gutiérrez-Fonseca, P. & M. Springer. 2011. Description of the final instar nymphs of seven species from *Anacroneuria* Klapalék (Plecoptera: Perlidae) in Costa Rica, and first record for an additional genus in Central America. *Zootaxa* 2965: 16-38.

Gutiérrez-Fonseca, P. 2010. Plecoptera. *Revista de Biología Tropical*. 58(Suppl. 4): 139-148.

López, L.I., **Gutiérrez P.** y J.M. Mora. 2010. Macrofauna Acuática de la Quebrada Santa Inés, Subcuenca del Río Yeguaré, Honduras. *Ceiba* 51:17-28.

Peer-Reviewed Book Chapters

Ramírez, A. & **P.E. Gutiérrez-Fonseca**. 2014. Puerto Rico. En: Alonso-EguíaLis, P., Mora, J.M., Campbell, B. y M. Springer (eds). *Diversidad, conservación y uso de los macroinvertebrados dulceacuícolas de México, Centroamérica, Colombia, Cuba y Puerto Rico*. Instituto Mexicano de Tecnología del Agua, Jiutepec, Morelos, México.

Springer, M., Echeverría-Sáenz, S. & **P.E. Gutiérrez-Fonseca**. 2014. Costa Rica. En: Alonso-EguíaLis, P., Mora, J.M., Campbell, B. y M. Springer (eds). *Diversidad, conservación y uso de los macroinvertebrados dulceacuícolas de México, Centroamérica, Colombia, Cuba y Puerto Rico*. Instituto Mexicano de Tecnología del Agua, Jiutepec, Morelos, México.

Special Issues as Volume Editor

Gutiérrez-Fonseca, P.E. & M., Tagliaferro. 2022. Context matters: investigating Latin American freshwater ecosystems from the inside. *Bridges/Freshwater Sciences*. *In prep.*

Tagliaferro, M. & **P.E., Gutiérrez-Fonseca**. 2020. Avances en el conocimiento de los ecosistemas de agua dulce en América Latina. *Revista de Biología Tropical*, 68(2).

Ramírez, A. & **P.E., Gutiérrez-Fonseca**. 2014. Macroinvertebrados Acuáticos de Latinoamérica. *Revista de Biología Tropical*. 62 (Supl2).

Conference Presentations

Gutiérrez-Fonseca, P.E., Ramírez, A., & C.M., Pringle. 2021. Temporal and stability of aquatic macroinvertebrate assemblages in lowland tropical streams in Costa Rica. Annual meeting Society for Freshwater Science, Virtual Congress.

Gutiérrez-Fonseca, P.E., Ramírez, A., Pringle C.M., Gómez J.E & P. García. 2021. Hurricane disturbance drives trophic changes in neotropical mountain streams in Puerto Rico. *Macrolatinos 2021@*. Panamá, Virtual Congress.

Alonso-Rodríguez*, A.M. & **P.E. Gutiérrez Fonseca**. 2021. Moth assemblage response to hurricane disturbance in a tropical rainforest. Annual meeting Ecological Society of America, Virtual Congress. Speaker*.

Ramírez*, A. & **P.E., Gutiérrez-Fonseca**. 2019. Hurricane disturbance and benthic macroinvertebrate assemblages at El Yunque National Forest, Puerto Rico. Annual meeting Society for Freshwater Science, Salt Lake City, Utah. [May 19-23]. Speaker*.

Gutiérrez-Fonseca, P.E., Ramírez, A., & C.M., Pringle. 2019. Hurricane disturbance drives trophic changes in neotropical mountain streams in Puerto Rico. Annual meeting Society for Freshwater Science, Salt Lake City, Utah. [May 19-23].

- Gutiérrez-Fonseca, P.E.,** Ramírez, A., Pringle, C.M., Torres, P., Covich, A., Crowl, T., McDowell, W., Ballantyne, F., & O. Perez-Reyes. 2019. Ecological response of stream ecosystems to extreme climate events in Puerto Rico. Association for the Sciences of Limnology and Oceanography. San Juan, Puerto Rico. [February 23 - March 2].
- Ramírez, A. & **P.E., Gutiérrez-Fonseca.** 2019. Extreme climatic events and urban streams in Puerto Rico: effects on macroinvertebrates and fish assemblages. Association for the Sciences of Limnology and Oceanography. San Juan, Puerto Rico. [February 23 - March 2]. Speaker*.
- Gomez-Carrasquillo, J.*, **Gutiérrez-Fonseca, P.E.** & A., Ramírez. 2019. Hurricane effects on aquatic insect assemblages. Association for the Sciences of Limnology and Oceanography. San Juan, Puerto Rico. [February 23 - March 2]. Speaker*.
- Gutiérrez-Fonseca, P.E.** & A., Ramírez. 2018. If you can't catch them, create them: A whole-stream experimental flow reduction to simulate drought conditions in tropical streams. Fourth Latin American Congress of Aquatic Macroinvertebrates. Quito, Ecuador. [July 23-27].
- Gutiérrez-Fonseca, P.E.** & A., Ramírez. 2018. Riparian litter input dynamics in tropical streams: long-term patterns and the influence of extreme climatic events. Fourth Latin American Congress of Aquatic Macroinvertebrates. Quito, Ecuador. [July 23-27].
- Springer, M.* & **P.E., Gutiérrez-Fonseca.** 2018. Estado de conocimiento taxonómico de los insectos acuáticos de América Central. Fourth Latin American Congress of Aquatic Macroinvertebrates. Quito, Ecuador. [July 23-27]. Speaker*.
- Ramírez, A.* & **P.E., Gutiérrez-Fonseca.** 2018. Estado actual de la investigación acuática en América Latina: Desafíos y oportunidades, Fourth Latin American Congress of Aquatic Macroinvertebrates. Quito, Ecuador. [July 23-27]. Speaker*.
- Ramírez, A.* & **P.E., Gutiérrez-Fonseca.** Urban streams and their response to extreme weather events: drought and hurricane impacts on stream biota, Puerto Rico. Annual meeting Society for Freshwater Science, Detroit, Michigan [May, 19-23]. Speaker*.
- Covich, A.*, Crowl, T., Perez-Reyes, O., **Gutiérrez-Fonseca, P.E.,** Kelly, S., Bithorn, J., Matta, S. 2018. Effects of drought and hurricane disturbances on *Macrobrachium* dominated food webs: responses to highly variable flows. Annual meeting Society for Freshwater Science, Detroit, Michigan [May, 19-23]. Speaker*.
- Gutiérrez-Fonseca, P.E.,** Ramírez A., Pringle, C.M., Torres, P.J., Covich, A., Crowl, T.A., McDowell, W., Perez-Reyes, O. 2017. Hurricane impacts to a tropical stream ecosystem in the mountains of Puerto Rico. Annual meeting Society for Freshwater Science, Detroit, Michigan [May 19-23].
- Gutiérrez-Fonseca, P.E.,** Ramírez A., Pringle, C.M., Torres, P.J., Covich, A., Crowl, T.A., McDowell, W., Perez-Reyes, O. 2017. When the rainforest dries up: Impacts of severe drought in a tropical stream. Annual meeting Society for Freshwater Science, Raleigh, North Carolina [June 4-8].
- Gutiérrez-Fonseca, P.E.** & A., Ramírez. 2016. Análisis de la red trófica de un río tropical urbano, Puerto Rico. Third Latin American Congress of Aquatic Macroinvertebrates. Santa Marta, Colombia. [Marzo 11-18].
- Ramírez, A.* & **P.E., Gutiérrez-Fonseca.** 2016. Ensamblajes de insectos acuáticos a lo largo del continuo de un río: Elevación versus disponibilidad de hábitat. Third Latin American Congress of Aquatic Macroinvertebrates. Santa Marta, Colombia. [Marzo 11-18] Speaker*.

- Ramírez, A.* & P.E., **Gutiérrez-Fonseca**. 2015. Odonata of Puerto Rico: an updated list and historical records. International Congress of Odonatology. La Plata, Argentina. [November 15-20] Speaker*.
- Gutiérrez-Fonseca, P.E.**, CM Pringle & A., Ramírez. 2014. Dinámica a largo plazo de las variables fisicoquímicas y sus efectos sobre la estructura y composición del ensamblaje de macroinvertebrados en ríos de zonas bajas en Costa Rica. Second Latin American Congress of Aquatic Macroinvertebrates. Queretaro, Mexico. [April 7-12].
- Ramírez, A.* & P.E., **Gutiérrez-Fonseca**. 2014. Estudios sobre macroinvertebrados acuáticos en América Latina: avances recientes y direcciones futuras. Second Latin American Congress of Aquatic Macroinvertebrates. Queretaro, Mexico. [April 7-12] Speaker*.
- Ramírez, A.* & P.E., **Gutiérrez-Fonseca**, C.M., Pringle, M. Ardón-Sayo, G.E. Small. 2013. Long-term ecological research in lowland streams in Costa Rica: The importance of groundwater-surface water interactions on ecosystem dynamics. 50th Annual meeting of Association for Tropical Biology and Conservation. San Jose, Costa Rica. [June 23-27] Speaker*.
- Pringle, CM, GE Small*, B Bixby, A Ramírez, JH Duff, M Ardon, AP Jackman, M Snyder, CN Ganong, **P Gutiérrez** and FJ Triska. 2013. Climate-driven acidification in lowland Neotropical streams: Insights from a 25-year dataset on ground water - surface water interactions. 98th Annual meeting of Ecological Society of America. Mineapolis. [August 4-9] Speaker*.
- Ramírez, A.* & P.E., **Gutiérrez-Fonseca**. 2012. Alta similitud interespecífica en larvas de Odonata: el caso de Cora (Polythoridae) y Heteragrion (Megapodagrionidae). First Latin American Congress of Aquatic Macroinvertebrates. San José, Costa Rica. [Febrero 6-10] Speaker*.
- Gutiérrez-Fonseca, P.E.** & A., Ramírez. 2012. How stable are the macroinvertebrates assemblages of tropical streams? First Latin American Congress of Aquatic Macroinvertebrates. San José, Costa Rica. [Febrero 6-10].
- Gutiérrez Fonseca, P.E.** 2010. Mexican National Congress of Zoology at the Special Meeting: Freshwater Macroinvertebrates in Mesoamerica. Tabasco, México. [June, 16-18].
- Gutiérrez Fonseca, P.E.** 2010 Second National Symposium of Aquatic Macroinvertebrates. San José, Costa Rica. [November 20].
- Mora, J.M., L.I. López y **P. Gutiérrez** 2009. The effect of land change uses on aquatic macroinvertebrate community in Pine forest. Seminar: Research in the Pine-Oak forests and related ecosystems. Tegucigalpa, Honduras. [March 23]
- Mora, J.M., L.I. López y **P. Gutiérrez**. 2008. XII Congress of the Mesoamerican Society for Biology and Conservation. San Salvador, El Salvador. [November 10-14].
- Gutiérrez Fonseca, P.E.** 2007. First National Symposium of Aquatic Macroinvertebrates. San José, Costa Rica. [September 21].

Poster Presentations

- Lacy L.*, Perez R., Gómez J.E, **Gutiérrez-Fonseca P.E.**, Ramírez A & P. Catherine. 2021. Variation in leaf litter decomposition rates determined by differences in shrimp macroconsumer abundance in two tropical montane streams, Puerto Rico. Annual meeting Society for Freshwater Science, Virtual Congress. Speaker*.

- Santiago-Vera J.D.*, **Gutiérrez-Fonseca, P.E.** & A., Ramírez. 2018. Shrimps and leaf decomposition: Effect on macroinvertebrates and meiofaunal assemblages. Fourth Latin American Congress of Aquatic Macroinvertebrates. Quito, Ecuador. [July 23-27]. Speaker*.
- Morton, K.*, Faulkner, A., **Gutiérrez-Fonseca, P.E.**, Torres, P., Ramirez, A., Pringle, C.M. 2018 Lack of post-hurricane impacts on algal biofilms in two tropical headwater streams in Puerto Rico. Annual meeting Society for Freshwater Science, Detroit, Michigan [May 19-23]. Speaker*.
- Ramírez, A.*, **Gutiérrez-Fonseca, P.E.**, Kelly, S.P., Engman, A., Wagner, K., Rosas, K., & Rodríguez, N. 2017. Effects of drought- driven hydrological changes on fish assemblages in a tropical island urban stream, Puerto Rico. Symposium on Urbanization and Stream Ecology, Raleigh, North Carolina [May 31-June 3] Speaker*.
- Cornejo, A.* & **P.E., Gutiérrez-Fonseca**. 2016. El orden Plecoptera en panamá: una revisión histórica y una lista actualizada de especies. Third Latin American Congress of Aquatic Macroinvertebrates. Santa Marta, Colombia. [Marzo 11-18] Speaker*.
- Ramírez, A.* & **P.E., Gutiérrez-Fonseca**. 2015. Biodiversity of Odonata of Rio Piedras, an urban area of San Juan, Puerto Rico. International Congress of Odonatology. La Plata, Argentina. [November 15-20]. Speaker*.
- Gutiérrez-Fonseca P.E.**, Sánchez Ruiz J. & A. Ramírez. 2015. Natural history of *Telebasis vulnerata* (Hagen, 1861) (Zygoptera: Coenagrionidae) in Puerto Rico. International Congress of Odonatology. La Plata, Argentina. [November 15-20].
- Gutiérrez-Fonseca, P.E.** & A. Ramírez. 2014. Food webs topology and biomass flow in a tropical urban stream. Joint Aquatic Societies Meeting - Society for Freshwater Science. Portland, Oregon. [May 18-23].
- Sánchez-Ruiz, J.A.*, **Gutiérrez-Fonseca, P.E.**, Rosas, K.G., Ramírez, A. 2014. Assessing macroinvertebrate growth rates in the Rio Piedras, a tropical urban stream, Puerto Rico. Joint Aquatic Societies Meeting - Society for Freshwater Science. Portland, Oregon. [May 18-23] Speaker*.
- Ramírez, A.* & **P.E., Gutiérrez-Fonseca, K.**, Wagner, J., Sánchez, K., Rosas, B., Vázquez. 2014. Biodiversidad y productividad de los macroinvertebrados acuáticos de un río urbano tropical, Puerto Rico. Second Latin American Congress of Aquatic Macroinvertebrates. Queretaro, Mexico. [April 7-12] Speaker*.
- Gutiérrez-Fonseca, P.E.** & A. Ramírez, CM Pringle. 2013. Long-term patterns of aquatic macroinvertebrate assemblages in lowland neotropical streams. 50th Annual meeting of Association for Tropical Biology and Conservation. San José, Costa Rica. [June 23-27].
- Gutiérrez-Fonseca, P.E.** & A. Ramírez. 2013. Effects of flood disturbance and episodic acidification events on aquatic macroinvertebrates in tropical lowland streams. Society for Freshwater Science. Jacksonville, Florida, USA. [May 19-23].
- Gutiérrez-Fonseca, P.E.** & A. Ramírez. 2012. Importance of long-term sampling in the assessment of tropical stream biodiversity. Society for Freshwater Science. Louisville, Kentucky. USA. [May 20-24].
- Rosas, K.G.*, **Gutiérrez Fonseca, P.E.** & A. Ramírez. 2012. Trophic basis of Insect secondary production in a tropical urban River. Society for Freshwater Science. Louisville, Kentucky. USA. [May 20-24]. Speaker*

Gutiérrez-Fonseca, P. & A. Ramírez. 2011. Temporal variation in benthic macroinvertebrate assemblages in two tropical headwater streams in Costa Rica. North American Benthological Society. Rhode Island. USA. [May 22-26].

Teaching Experience

Applied Environmental Statistics, University of Vermont. Spring 2022.
Multivariate Statistics for Ecological Data. University of Costa Rica. Fall 2021
Stream Ecology. University of Costa Rica. Spring 2019, 2021
Aquatic Entomology. University of Costa Rica. Fall 2018, 2019, 2021.
Aquatic Biomonitoring. University of Costa Rica. Fall 2020.
Limnology. University of Costa Rica. Spring 2020.

Manuscript reviewer

Ecology (1), Freshwater Science (2), Global Change Biology (1), Hydrobiologica (3), Hydrobiologia (5), Illiesia (1), Inland Waters (1), Insecta Mundi (1), International Review of Limnology (1), International Review on Hydrobiology (1), Journal of Freshwater Ecology (3), Journal of Limnology (1), Nature Communication (1), Neotropical Biodiversity (2), PLoS One (1).

Professional Memberships

Society for Freshwater Science (after: North American Benthological Society)
Association for the Sciences of Limnology and Oceanography (ASLO)

Committee involvement

Regional coordinator for Latin America of Freshwater Biodiversity Observation Network (FW BON) (2021-current)
Early Career Committee, Society for Freshwater Science (2017-current)
Board of Directors, Latin-American Society for Freshwater Ecosystems (2018-2022)

DEI services

Diversity, equity, and inclusivity committee at Luquillo LTER

Students mentored

Andrea Manzano, Universidad de Puerto Rico Recinto Mayagüez, Summer 2015.
Crystal Purcell, University of Dallas, Research Experience for Undergraduate, Summer 2014.
Ismael Oregon, Universidad Metropolitana, Research Experience for Undergraduate, Summer 2013.

Lelanee Ortiz Rivas, University of Humacao, Research Experience for Undergraduate, Summer 2011.