Ricardo Segovia

http://ricardosegovia.github.io

Email : segoviacortes@gmail.com
ORCID iD - Google Scholar
Mobile : +56 9 3870 4282

Employment

- **Institute of Ecology and Biodiversity (IEB-Chile)** — Santiago, Chile
  Adjunt Researcher — *March 2019 - Present*
  - **Forest plots network**: I'm an associate researcher in the area of Ecosystem Sciences, lead by Dr. Juan Armesto. The central goal during this stage is to create a forest plot network to study the evolution of biodiversity in the Andean region.
- **School of GeoSciences, University of Edinburgh** — Edinburgh, UK
  Newton International Fellow — *Feb 2017 - Jan 2019*
  - **Genus-level phylogeny for trees**: This project, funded by *The Royal Society*, was a collaboration with Dr. Kyle Dexter from the University of Edinburgh. We built a global phylogeny for trees in order to unveil the evolutionary structure of biodiversity and to explore the main forces driving the diversification.
- **Institute of Ecology and Biodiversity (IEB-Chile)** — Santiago, Chile
  Postdoc-Fondecyt — *Dec 2013 - Nov 2016*
  - **Phylodiversity patterns**: In collaboration with Dr. Juan Armesto, during this project we studied the similarities between phylodiversity pattern across the latitudinal gradient in southern South America, and the elevational gradient in the tropical Andes.

Education

- **Facultad de Ciencias, Universidad de Chile** — Santiago, Chile
  PhD in Ecology and Evolutionary Biology — *Mar. 2009 – Sep. 2013*
- **Facultad de Ciencias, Universidad de Chile** — Santiago, Chile
  Master in Ecology and Evolutionary Biology — *Mar. 2007 – Jan. 2009*
- **Universidad de Concepción** — Concepción, Chile
  Biologist — *Mar. 2002 – Jan. 2007*

Grants

- **Fondecyt Iniciacion 11200967, ANID** (2020-2023); PI; Title: *"DIVAN: Unpicking DIVersification of southern lineages in the ANdean biodiversity hotspot"*; $124,000
- **Newton International Fellowships Alumni 2020, Royal Society UK** (2021-2022); PI; Title: *"International networking associated with DIVAN (ANID-Fondecyt-11200967) project"*; $6,000
- **AI for Earth, Microsoft** (2019-2021); PI; Title: *"Machine Learning to state the global structure of Biodiversity"*; $30,000

Bibliometric Information

- Total number of peer-reviewed publications: **11**
- Total number of citations: **158**
- H index (overall, not limited to the last 5 years): **9**
- i10 index (overall, not limited to the last 8 years): **7**

[Source: **Google Scholar**. For current citation statistics, please visit: http://tiny.cc/segoviara)]

Publications list

1. Segovia, R. A. (2021). Temperature predicts the maximum tree-species richness and water and frost shape the residual variation. *BioRxiv*, (doi: https://doi.org/10.1101/836338)

2. Segovia, R. A., Pennington, R. T., Baker, T. R., De Souza, F. C., Neves, D. M., Davis, C. C., Armesto, J. J., Olivera-Filho, A. T., and Dexter, K. G. (2020b). Freezing and water availability structure the evolutionary diversity of trees across the americas. *Science Advances*, 6(19):eaaz5373

3. Sanchez-Martinez, P., Martinez-Vilalta, J., Dexter, K., Segovia, R. A., and Mencuccini, M. (2020). Adaptation and coordinated evolution of plant hydraulic traits. *Ecology Letters. doi: 10.1111/ele.13584*

4. Neves, D. M., Dexter, K. G., Baker, T. R., de Souza, F. C., Oliveira-Filho, A. T., Queiroz, L. P., Lima, H. C., Simon, M. F., Lewis, G. P., Segovia, R. A., et al. (2020). Evolutionary diversity in tropical tree communities peaks at intermediate precipitation. *Scientific Reports*, 10(1):1–7

5. Segovia, R. A., Griffiths, A. R., Arenas, D., Dias, P., and Dexter, K. G. (2020a). Signals of recent tropical radiations in cunoniaceae, an iconic family for understanding southern hemisphere biogeography. *bioRxiv*

6. Anbleyth-Evans, J., Leiva, F. A., Rios, F. T., Segovia, R. A., Häussermann, V., and Aguirre-Munoz, C. (2020). Toward marine democracy in chile: Examining aquaculture ecological impacts through common property local ecological knowledge. *Marine Policy*, page 103690

7. Dexter, K. G., Segovia, R. A., and Griffiths, A. R. (2019). Exploring the concept of Lineage Diversity across North American forests. *Forests*, 10(6):520

8. Segovia, R. A. and Armesto, J. J. (2015). The Gondwanan legacy in South American biogeography. *Journal of Biogeography*, 42(2):209–217

9. Villagran, C., Segovia, R., and Castillo, L. (2014). Principles of research in historical Natural Sciences: Why is the Natural History of organisms necessary in Biology? *Gayana Botanica*, 71(2):259–266

10. Perez, F., Irarrazabal, C., Cossio, M., Peralta, G., Segovia, R., Bosshard, M., and Hinojosa, L. F. (2014). Microsatellite markers for the endangered shrub Myrceugenia rufa (Myrtaceae) and three closely related species. *Conservation Genetics Resources*, 6(3):773–775

11. Segovia, R. A., Hinojosa, L. F., Perez, M. F., and Hawkins, B. A. (2013). Biogeographic anomalies in the species richness of Chilean forests: Incorporating evolution into a climatic - historic scenario. *Austral Ecology*, 38(8):905–914

12. Segovia, R. A., Perez, M. F., and Hinojosa, L. F. (2012). Genetic evidence for glacial refugia of the temperate tree *Eucryphia Cordifolia* (Cunoniaceae) in southern South America. *American Journal of Botany*, 99(1):121–129

13. Gonzalez-Teuber, M., Segovia, R., and Gianoli, E. (2008). Effects of maternal diet and host quality on oviposition patterns and offspring performance in a seed beetle (Coleoptera : Bruchidae). *Naturwissenschaften*, 95(7):609–615

Presentations

- 17 presentations at conferences: 9 talks and 8 posters.

Peer Reviews Completed

Journal of Biogeography (2), **Molecular Ecology** (1), Molecular Phylogenetics and Evolution (1), **Proceedings of The Royal Society B** (1), Ecology (1), Biotropica (1).