

## Curriculum vitae

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### Cargos

Investigador asistente – CONICET. Grupo de Ecología de Invasiones, INIBIOMA (Universidad Nacional del Comahue – CONICET) (desde 2022)

Editor Asociado – Plant Ecology (desde 2021)

Editor de Temas Especiales – Ecological Monographs (desde 2024)

### Publicaciones

**Moyano J.** 2023. Origins of successful invasions. *Nature Ecology and Evolution*. 7: 1583–1584.

**Moyano J**, Simberloff D, Relva MA, Nuñez MA. 2023. Increasing tree invasion on Isla Victoria: 10 years after the original “gringos en el bosque” study. *Biological Invasions*. doi: 10.1007/s10530-023-03103-6

**Moyano J**, Zamora-Nasca LB, Caplat P, García-Díaz P, Langdon B, Lambin X, Montti L, Pauchard A, Nuñez MA. 2023. Predicting the impact of invasive trees from different measures of abundance. *Journal of Environmental Management*. doi: 10.1016/j.jenvman.2022.116480

Policelli N, Hoeksema JD, **Moyano J**, Vilgalys R, Viveló S, Bhatnagar JM. 2023. Global pine tree invasions are linked to invasive root symbionts. *New Phytologist*. doi: 10.1111/nph.18527

**Moyano J**, Essl F, Heleno R, Vargas P, Nuñez MA, Rodríguez-Cabal, MA. 2022. Diaspore traits specialized to animal adhesion and sea current dispersal are positively associated with the naturalization of European plants across the world. *Ecography*. doi: 10.1111/ecog.06423

Chiuffo MC, **Moyano J**, Policelli N, Torres A, Vitali A, Nuñez MA, Rodríguez-Cabal MA. 2022. Importance of invasion mechanisms varies with abiotic context and plant invader growth form. *Journal of Ecology*, 110, 1957–1969.

García-Díaz P, Montti L, Powell PA, Phimister E, Pizarro JC, Fasola L, Langdon B, Pauchard A, Raffo E, Bastías J, Damasceno G, Fidelis A, Huerta MF, Linardaki E, **Moyano J**, Núñez MA, Ortiz MI, Rodríguez-Jorquera I, Roesler I, Tomasevic JA, Burslem DFRP, Cava M, and Lambin X. 2022. Identifying Priorities, Targets, and Actions for the Long-term Social and Ecological Management of Invasive Non-Native Species. *Environmental Management*, 69, 140–153.

**Moyano J**, Rodriguez-Cabal MA, Nuñez MA (2020) Invasive trees rely more on mycorrhizas, countering the ideal weed hypothesis. *Ecology*, 101, e03330.

García-Díaz P, Cassey P, Norbury G, Lambin X, Montti L, Pizarro JC, Powell PA, Burslem DFRP, Cava M, Damasceno G, Fasola L, Fidelis A, Huerta-Téllez M, Langdon B, Linardaki E, **Moyano J**, Núñez MA, Pauchard A, Phimister E, Raffo E, Roesler I, Rodríguez-Jorquera I & Tomasevic JA (2021). Management policies for invasive alien species: Addressing the impacts rather than the species. *Bioscience*, 71, 174-185.

Nuske SJ, Fajardo A, Nuñez MA, Pauchard A, Wardle DA, Nilsson MC, Kardol P, Smith JE, Peltzer DA, **Moyano J**, Gundale MJ. Soil biotic and abiotic effects on seedling growth exhibit context-dependent interactions: evidence from a multi-country experiment on *Pinus contorta* invasion. *New Phytologist*. doi: 10.1111/nph.17449

Perez LI, Gundel PE, García Parisi PA, Moyano J, Fiorenza JE, Omacini M, Nuñez MA. 2021. Can seed-borne endophytes promote grass invasion by reducing host dependence on mycorrhizas? *Fungal Ecology*, 52, 101077.

**Moyano J**, Rodriguez-Cabal MA, Nuñez MA (2020) Highly invasive tree species are more dependent on mutualisms. *Ecology*, 101, e02997.

**Moyano J**, Dickie IA, Rodriguez-Cabal MA, Nuñez MA (2020) Patterns of global plant naturalization suggest that facultative mycorrhizal plants are more likely to succeed outside their native Eurasian ranges. *Ecography*, 43, 648-659.

Lambin X, Burslem DFRP, Caplat P, Cornullier T, Damasceno G, Fasola L, Fidelis A, Garcia Diaz P, Langdon B, Linardaki E, **Moyano J**, Montti LF, Nuñez MA, Palmer SCF, Pauchard A, Phimister E, Pizarro JC, Powell PA, Raffo E, Rodríguez-Jorquera IA, Roesler K, Tomasevic JA, Travis JMJ, Vergugo C (2020) CONTAIN: Optimizing the long-term management of invasive species using adaptive management. *Neobiota*, 59, 119-138.

**Moyano J**, Chiuffo MC, Nuñez MA, Rodriguez-Cabal MA (2019) Seed predation does not explain pine invasion success. *Oecologia*, 189, 981-991.

**Moyano J**, Chiuffo MC, Policelli N, Nuñez MA, Rodriguez-Cabal MA (2019) The interplay between propagule pressure, seed predation and ectomycorrhizal fungi in plant invasion. *NeoBiota*, 42, 45-58.

Chiuffo MC, **Moyano J**, Rodriguez-Cabal MA, Nuñez MA (2018) Seed predation of non-native species along a precipitation gradient. *Plant Ecology*, 219, 1307-1314.

Chiuffo MC, Policelli N, **Moyano J**, Torres A, Rodriguez-Cabal MA, Nuñez MA (2018) Still no evidence that pathogen accumulation can revert the impact of invasive plant species. *Biological Invasions*, 20, 9-10.

Singh SP, Inderjit, Singh JS, Majumdar S, **Moyano J**, Nuñez MA, Richardson DM (2018) Insights on the persistence of pines (*Pinus* species) in the Late Cretaceous and their increasing dominance in the Anthropocene. *Ecology and Evolution*, 8, 10345-10359.

Policelli N, Chiuffo MC, **Moyano J**, Torres A, Rodriguez-Cabal MA, Nuñez MA (2018) Pathogen accumulation cannot undo the impact of invasive species. *Biological Invasions*, 20, 1-4.

Nuñez MA, Chiuffo MC, Torres A, Paul T, Dimarco RD, Raal P, Policelli N, **Moyano J**, García RA, van Wilgen BW, Pauchard A, Richardson DM (2017) Ecology and management of invasive Pinaceae around the world: progress and challenges. *Biological Invasions*, 19, 3099-3120.

Mazía N, **Moyano J**, Perez L, Aguiar S, Garibaldi LA, Schlichter T (2016) The sign and magnitude of tree–grass interaction along a global environmental gradient. *Global Ecology and Biogeography*, 25, 1510-1519.

#### *En revisión*

**Moyano J**, Crawford K, Davis KT, Dimarco RD, McCary M, Peltzer DA, Peterson T, Paritsis J, Pauchard A, Nuñez MA. Unintended consequences of using native and nonnative trees in treeless ecosystems to fight climate change. *Journal of Ecology*. Special Feature on the plant ecology of nature-based solutions

Gundale MJ, Lindberg L, Fajardo A, Nuñez MA, Nilsson MC, Kardol P, **Moyano J**, Nuske SJ. Functional traits differ across an invasive tree species native, introduced, and invasive populations. *Biological Invasions*.

Erazo M, García-Díaz P, Langdon B, Mustin K, Cava M, Damasceno G, Huerta MF, Linardaki E, **Moyano J**, Montti L, Powell PA, Bodey TW, Burslem DFRP, Fasola L, Fidelis A, Lambin X, Marinaro S, Pauchard A, Phimister E, Raffo E, Rodríguez-Jorquera I, Roesler I, Tomasevic JA, Pizarro JC. Stakeholder mapping for strengthening the researcher-practitioner-community nexus in invasive non-native species management in South America. *Neobiota*.

#### *En preparación*

**Moyano J**, Langdon B, Palmer S, Pauchard S, Lambin X, Nuñez MA. Management strategies to reduce invasive pines spread and impact in Patagonian grasslands. *Ecological Modelling*.

**Moyano J**, Simberloff D, Relva MA, Moretti A, Nuñez MA. Taller trees with smaller seeds are more likely to become invasive in forests. *Biological Invasions*.

#### **Congresos**

**Moyano J**, Langdon B, Palmer S, Caplat P, García-Díaz P, Lambin X, Pauchard A, Nuñez MA. Strategies to reduce invasive trees spread and impact. Ecology and Management of Alien Plant Invasions, Pucón, Chile. 2023

**Moyano J**, Langdon B, Palmer S, Caplat P, García-Díaz P, Lambin X, Pauchard A, Nuñez MA. Estrategias para reducir la invasión de pinos en pastizales patagónicos. Reunión Argentina de Ecología (RAE), Bariloche, Río Negro. 2023

**Moyano J**, Rodriguez-Cabal MA, Nuñez MA. Invasive pines rely more on mycorrhizas. Festival of Ecology, British Ecological Society (BES). 2020

Nuske S, Kardol P, Wardle D, Nilsson M, Smith J, Pauchard A, Peltzer D, **Moyano J**, Nuñez MA, Gundale M. Advancing understanding of invasion ecology with Pines. XXV IUFRO Congress. Curitiba, Brazil. 2019

**Moyano J**, Rodriguez-Cabal MA, Nuñez MA. Highly invasive species are more dependent on mutualisms: evidence from tree invasions and mycorrhizal fungi. British Ecological Society (BES) annual meeting. Birmingham, England. 2018

**Moyano J**, Chiuffo M, Nuñez MA, Rodriguez-Cabal MA. Balance entre presión de propágulos y resistencia biótica determinan avance de invasión. Reunión anual Sociedad Ecología de Chile. Puerto Varas, Chile. 2017

Chiuffo M, **Moyano J**, Rodriguez-Cabal MA, Nuñez MA. Patrones de depredación de semillas: La resistencia biótica varía en un gradiente abiótico. Reunión anual Sociedad Ecología de Chile. Puerto Varas, Chile. 2017

Núñez MA, **Moyano J**, Torres A. La ecología de las invasiones y el manejo de las malezas: diferencias y similitudes. Reunión Asociación civil Argentina de Ciencia de las Malezas. Rosario, Santa Fe. 2016

Mazía N, **Moyano J**, Perez LI, Aguiar S, Garibaldi LA, Schlichter T. La magnitud de las interacciones entre pastos y árboles a lo largo de un gradiente ambiental global. Reunión Argentina de Ecología, Iguazú, Misiones. 2016

## Becas

Beca postdoctoral Consejo Nacional de Investigaciones Científicas y Técnicas (CONICET) (2021-2023)

Beca finalización doctorado Consejo Nacional de Investigaciones Científicas y Técnicas (CONICET) (2019-2020)

Beca doctoral Fondo para la Investigación Científica y Tecnológica (FONCYT PICT 2014 No 0662) (2016-2018)

## Subsidios

**CONTAIN Small Grant.** Cost benefit analyses and rapid assessment of pine demography to guide management actions. (2022-2023). 18000 £. Principal investigator.

**Rufford Small Grant.** What traits favor non-native Pine invasions in Patagonia? Tools for preventing future conservation problems. Project 23089-1 (2017-2018). 4940 £. Principal investigator.

**Newton Latin American Biodiversity Programme (NERC).** Optimising the long-term management of invasive species affecting biodiversity and the rural economy using adaptive management. Project NE/S011641/1 (2019-2023). 1077979 £. Grupo colaborador.

**Agencia Nacional de Promoción Científica y Tecnológica (ANPCyT).** Role of interacting belowground mechanisms in Douglas-fir invasion of native Nothofagus forests. Proyecto FONCyT (PICT 2016-1412). 810000\$. Grupo colaborador.

**Agencia Nacional de Promoción Científica y Tecnológica (ANPCyT).** Desarrollo de un bioinoculante forestal: mayor productividad y menor daño ambiental para futuras plantaciones. Proyecto FONCyT (PICT start up 2018-0329). 1166550 \$. Grupo colaborador.

## **Evaluación de trabajos científicos**

### **Evaluación de artículos**

AoB Plants (1)  
Applied Vegetation Science (1)  
Austral Ecology (2)  
Biological Invasions (36)  
BioScience (1)  
Dendrobiology (1)  
Ecology (1)  
Ecological Applications (3)  
Ecology and Evolution (1)  
Ecology Letters (1)  
Ecological Monographs (2)  
Forest Ecology and Management (3)  
Forests (1)  
Functional Ecology (1)  
Global Ecology and Biogeography (1)  
Journal of Applied Ecology (7)  
Journal of Biogeography (1)  
Journal of Ecology (2)  
Nature Communications (3)  
Nature Ecology and Evolution (3)  
New Phytologist (5)  
Plant and Soil (4)  
Plant Ecology (6)  
Scientific reports (2)

### **Evaluación de proyectos**

Proyectos FONCyT PICT (1)  
Solicitud ingreso CIC CONICET (1)  
Proyectos doctorado (Universidad Nacional del Comahue) (1)

## **Docencia**

**Cátedra de Dasonomía, Facultad de Agronomía**

**Universidad de Buenos Aires**

**Ayudante de cátedra (2012-2015)**

Cursos "Producción Forestal" y "Agroecosistemas"

## **Experiencia profesional**

**Asociación Argentina de Consorcios regionales de Experimentación Agrícola (AACREA)**

Investigación y Desarrollo (2012-2015)