

Curriculum Vitae Prof. Dr. Laura Yahdjian (22.10.1968)

Professor of Ecology and Biodiversity
Ecology Department. Faculty of Agronomy,
University of Buenos Aires. Argentina.

Research Scientist. Tenure track position.
Institute for Agricultural Plant Physiology and Ecology.
Argentine Research Council (IFEVA/CONICET).
Av. San Martín 4453. Buenos Aires (1417) - Argentina.

Phone: +5411 5287 0109 - Email address:
yahdjian@ifeva.edu.ar, yahdjian@agro.uba.ar
Website: <https://yahdjian.agro.uba.ar/>

Current Research Topics / Expertise

Ecosystem ecology and vegetation dynamics
Climate change research and extreme events
Biodiversity and biological invasions
Experimental ecosystem ecology
Agriculture impacts on grasslands
Global change biology

Scientific & Professional Career

- 2026- Fellow of the Ecological Society of America (ESA)
- 2026- Member of the board of IFEVA
- 2022- President of the *Asociacion Argentina de Ecologia* (AsAE).
- 2023- Senior Editor *Cambridge Prisms: Drylands*.
- 2025- Associate Editor *Ecología Austral*.
- 2017- Director of the Master's Program in Natural Resources, Faculty of Agronomy, University of Buenos Aires.
- 2014-2018 Visiting Schollar, School of Life Science. Arizona State University. USA.
- 2009-2010 Visiting Schollar, Environmental Science, Policy, and Management. University of California, Berkeley. US
- 2007-2009 Post-doctoral Fellowship Inter American Institute for Global Change Research (IAI). IFEVA-CONICET.
- 2000-2004 PhD in Agronomy. Faculty of Agronomy, University of Buenos Aires. Argentina. Dissertation topic: Effect of Global Change in the functioning of the Patagonian Steppe. Advisor: O. E. Sala. Co-Advisor: A. Austin.
- 1990-1995 College Education: "Licenciatura" in Biology (degree equivalent to BS and MS combined) University of Buenos Aires. Major: Ecology. GPA: 8/10.

Associate Editor *Global Change Biology* 2023-2026;
BioScience, 2020-2024; *Functional Ecology*, 2018-2024; *Journal of Arid Environments*. 2017-2021;
Plant Ecology, 2017-2020.



Scientific steering and management committees

Drought-Net (global experimental drought network)
NutNet (global network on nutrients and herbivores)
BIODESERT (global network on Desertification),
Arizona State University, (ASU). School of Life Science (Adjunct Faculty member)
Global Drylands Center Affiliate (ASU).

Selected Publications (Total 84) h-index= 38^{GS} | 8720^{citGS} | I10-index=68^{GS}

1. **Yahdjian L.**, Campana S., Tognetti P., Alberti J., Graff P., Molina C., Borer E., et al. 2026. Insights on global rangeland ecosystem services shaped by grazing and fertilization. *Frontiers Ecol Environ* <https://doi.org/10.1002/fee.70022>
2. Biancari L., Oñatibia G., Le Bagousse-Pinguet Y., Gross N., **Yahdjian L.** et al. 2026. Plant diversity enhances ecosystem resistance to increasing grazing pressure in global drylands. *Nat Ecol & Evol* <https://doi.org/10.1038/s41559-025-02952-9>
3. Bondaruk V.*, Xu C., Wilfahrt P., **Yahdjian L.**, et al. 2025. Aridity modulates grassland biomass responses to combined drought and nutrient addition. *Nat Ecol & Evol* <https://doi.org/10.1038/s41559-025-02705-8>
4. Fay P.A., Gherardi L.A., **Yahdjian L.**, Adler P., et al. 2025. Interactions among nutrients govern the global grassland biomass. *PNAS* <https://doi.org/10.1073/pnas.2410748122>.
5. **Yahdjian L.**, Sala OE, Piñeiro-Guerra JM, et al. 2021. Why coordinated distributed experiments should go global. *BioScience*, 71 (9), 918–927
6. **Yahdjian L.**; Tognetti P.; Chaneton E.J. 2017. Plant functional composition affects soil processes in novel successional grasslands. *Func Ecol* 31:1813.
7. **Yahdjian L.**, O. E. Sala, and Kris M Havstad. 2015. Rangeland ecosystem services: shifting focus from supply to reconciling supply and demand. *Frontiers Ecol Environ* 13 (1) 44:51.
8. **Yahdjian L.** Sala O.E. 2002. A rainout shelter design for intercepting different amounts of rainfall. *Oecologia* <https://doi.org/10.1007/s00442-002-1024-3>

Invited meeting lectures and workshops (last 5 years)

- First Tri-National Meeting on Ecology and 31st Argentine Meeting on Ecology. October 5-10, 2025, Mendoza, Argentina. President of the Organizing Scientific Committee.
- International Colloquium Perspectives of Ecology in Latin America. Plenary talk Mesa Magistral: History of Ecology in Argentina. Instituto de Biología, Universidad Nacional de México, Ciudad de México. June 2025.
- ILTER 3rd Open Science Meeting. Invited Plenary Speaker, Chinese Academy of Sciences, China. October 2024.
- International Grassland Ecology Conference: Climate Change and Adaptation. School of Grassland Sc., Beijing, China. October 2024.
- VIII Scientific Meeting on Plant Biology. September 25-27, 2024. Plenary Speaker. Universidad de Talca. Talca, Chile.

Mentorship activities, supervised PhD theses, contributions to the career of young scientists

- *Researchers*: Sergio Velasco Ayuso, Assistant Research CONICET, current, Co-Advisor // Pamela Graff, Assistant Research CONICET, 2018-2021.
- *Postdocs*: Lucia Casali, CONICET. 2023-current // Sofia Campana, ANPCyT, 2021-2023 // Tomás Della Chiesa, CONICET. 2020-2022, Co-advisor // Juan Manuel Piñeiro, IAI, 2017-2019 // Sergio Velasco Ayuso, ANPCyT, 2016-2018 // Florencia Spirito, CONICET, 2015-2017.
- *PhD*: Zoe Adriana Rodríguez Marvaldi Brian FAUBA, current // Zenteno, FAUBA, current // María Ravetta CONICET. current, Co-advisor // Viviana Bondaruk, FAUBA, 2023 // Marcos Petrusek, FAUBA, 2023 // Ximena López Zieher, FAUBA, 2023 // Sofia Campana, FAUBA, 2020 // Tomás Della Chiesa, FAUBA, 2020 // Patricia I. Araujo, FAUBA, 2012, Co-Advisor // Luciana Couso, FAUBA, 2011, Co-Advisor.
- *MSc*: Ma. Rosario Lonardi. FAUBA, 2024 // Virginia Massara FAUBA, 2010. Co-Advisor.
- *Undergraduates*: M. Ravetta, 2022 // Ma. F. Castagnani, 2019, Co-Advisor // L. Carboni 2019, Co-Advisor // M. Ciavattini 2017 // X. López Zieher, 2014 // G. Vilardo, 2011 // M. F. Spirito, 2009 // N. Sala, 2009 // E.T. Rasevich, 2008 // S. Zervino, 2007 // P.I. Araujo, 2006, Co.

Research Grants (last 5 years)

- 2023-2026. Swiss National Foundation. With or without livestock - how to sustain and preserve biodiversity, ecosystem functioning and services of grasslands, IZSTZ0_216535. Team member. Pi: Anita Risch.
- 2023-2026. Patterns and mechanisms of change in the functioning of the planet's grasslands mediated by human use and biological invasions. PICT 2022-09-00265. Pi: Pedro Tognetti. Co-Pi.
- 2023-2025. Coexistence mechanisms of herbaceous and woody plants in arid steppes. The role of the interaction network, ecological legacies, climate change and pastoralism. UBACyT 20020220200124BA. Team member. Pi: Aguiar Martín.
- 2022-2024. PIP. Taxonomic and functional diversity determine functional stability of Pampas grasslands. PIP 11220210100681CO. Pi: Laura Yahdjian.
- 2022-2024. PICT Aplicados 2021 Categoría III – Bonding, validation and promotion of service crops as process technology for green agriculture with low environmental impact. Proposal No 0091. Pi: Gervasio Piñeiro. Team member.

Communication with a broad audience

- [Pastizales globales: El desafío de producir sin agotar los ecosistemas | Sobre La Tierra](#). Nota radial 14 de abril de 2026. Servicio de Prensa y Divulgación FAUBA.
- Panelist in the activity “Climate Change: What can we do?”. Centro Cultural de la Ciencia C3. 2022
- Session chair at CSEE-ESA Joint Annual meeting 2022, Montreal, Canada
- The Nutrient Network, September 2020, July 2021, and July 2022. Virtual meeting hosted by University of Minnesota, Minneapolis St Paul. Minnesota, USA
- Drought-Net Argentina, led by Laura Yahdjian. March 4-6 th 2020. Buenos Aires, Argentina // Drought-Net: Evaluating the sensitivity to extreme drought in terrestrial ecosystems, lead by Melinda Smith. Todos Santos, Baja California, México, 2019
- Panelist in the activity "Live from the Field: Nutrient Cycling in Grasslands" 2020. Available in The Virtual Field web portal.