



Interacción Clima, Ecosistemas y Biodiversidad (ICEB)

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Publicaciones recientes (año 2020 en adelante)

[Ecosistema marino](#)

Malits, A., Ibarbalz, F. M., Martín, J., & Flombaum, P. (2023). Higher biotic than abiotic natural variability of the plankton ecosystem revealed by a time series along a subantarctic transect. *Journal of Marine Systems*, 238, 103843.

Ibarbalz, F. M., Karlusich, J. J. P., Ayuso, S. V., Visintini, N., Guidi, L., Bowler, C., & Flombaum, P. (2022). Phytoplankton DNA metabarcoding in four sectors of the SW Atlantic in the context of the global ocean. *Ecología Austral*, 32(3), 835-848.

Visintini, N., & Flombaum, P. (2022). Picophytoplankton phenology in the global ocean assessed by quantitative niche models. *Marine Biology*, 169(7), 93.

Flombaum, P., & Martiny, A. C. (2021). Diverse but uncertain responses of picophytoplankton lineages to future climate change. *Limnology and Oceanography*, 66(12), 4171-4181.

Visintini, N., Martiny, A. C., & Flombaum, P. (2021). Prochlorococcus, Synechococcus, and picoeukaryotic phytoplankton abundances in the global ocean. *Limnology and Oceanography Letters*, 6(4), 207-215.

Flombaum, P., Wang, W. L., Primeau, F. W., & Martiny, A. C. (2020). Global picophytoplankton niche partitioning predicts overall positive response to ocean warming. *Nature Geoscience*, 13(2), 116-120.

Sommeria-Klein, G., Watteaux, R., Ibarbalz, F. M., Pierella Karlusich, J. J., Iudicone, D., Bowler, C., & Morlon, H. (2021). Global drivers of eukaryotic plankton biogeography in the sunlit ocean. *Science*, 374(6567), 594-599.

Pierella Karlusich, J. J., Ibarbalz, F. M., & Bowler, C. (2020). Phytoplankton in the Tara ocean. *Annual Review of Marine Science*, 12, 233-265.



Ecosistema terrestre

López-Franca, N., Sánchez, E., Menéndez, C., Carril, A. F., Zaninelli, P. G., & Flombaum, P. (2022). Characterization of seasons over the extratropics based on the annual daily mean temperature cycle. *International Journal of Climatology*, 42(11), 5570-5585.

Tovar, C., Carril, A. F., Gutiérrez, A. G., Ahrends, A., Fita, L., Zaninelli, P., ... & Hollingsworth, P. M. (2022). Understanding climate change impacts on biome and plant distributions in the Andes: Challenges and opportunities. *Journal of Biogeography*, 49(8), 1420-1442.

Gabbarini, L. A., Figuerola, E., Frene, J. P., Robledo, N. B., Ibarbalz, F. M., Babin, D., ... & Wall, L. G. (2021). Impacts of switching tillage to no-tillage and vice versa on soil structure, enzyme activities and prokaryotic community profiles in Argentinean semi-arid soils. *FEMS Microbiology Ecology*, 97(4), fiab025.

Maestre, F. T., Le Bagousse-Pinguet, Y., Delgado-Baquerizo, M., Eldridge, D. J., Saiz, H., Berdugo, M., ... & Gross, N. (2022). Grazing and ecosystem service delivery in global drylands. *Science*, 378(6622), 915-920.

Yahdjian, L., Carboni, L. J., Ayuso, S. V., & Oñatibia, G. R. (2022). Intensification of livestock farming in times of climate change: The challenges of domestic grazing in the drylands of the Argentine Patagonia. *Metode Science Studies Journal*, (13).

Ochoa-Hueso, R., Borer, E. T., Seabloom, E. W., Hobbie, S. E., Risch, A. C., Collins, S. L., ... & Zamin, T. (2020). Microbial processing of plant remains is co-limited by multiple nutrients in global grasslands. *Global change biology*, 26(8), 4572-4582.

Ayuso, S. V., Giraldo-Silva, A., Barger, N. N., & Garcia-Pichel, F. (2020). Microbial inoculum production for biocrust restoration: testing the effects of a common substrate versus native soils on yield and community composition. *Restoration Ecology*, 28, S194-S202.

Velasco Ayuso, S., Oñatibia, G. R., Maestre, F. T., & Yahdjian, L. (2020). Grazing pressure interacts with aridity to determine the development and diversity of biological soil crusts in Patagonian rangelands. *Land Degradation & Development*, 31(4), 488-499.