

LABORATORIO DE BIOGEOQUIMICA DE SUELO, IIES, UNAM



LINEAS DE INVESTIGACION

- * Realizar investigación relacionada con la biogeoquímica de los ecosistemas terrestres, sobre todo el estudio de los almacenes y flujos de carbono, nitrógeno y fósforo, y cómo su dinámica está afectada por el manejo.
- El estudio de la relación entre la diversidad de especies de plantas y microbianas del suelo con la dinámica de los nutrientes en los ecosistemas terrestres.
- Dinámica de C, N y P en sistemas acuáticos continentales.
- Realizar investigación para la conservación y restauración de suelos degradados.
- Biogeoarqueología

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performed the teacarch. Analysis of data was performed by CMG, ABBM,

MYAA, and LDAC, with support from MLAO, and FGO on stristons. *Companding author e-mail: may av@intecila uniam.ms,

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SOIL MICROBIOLOGY

Rhizobacteria

IFP, LEAE, MYAA, and LDAC. The paper was written by CMG, AEBM,

Disturbance Level Mediates

the Differential Resistance

of Tropical Dry Forest Soil

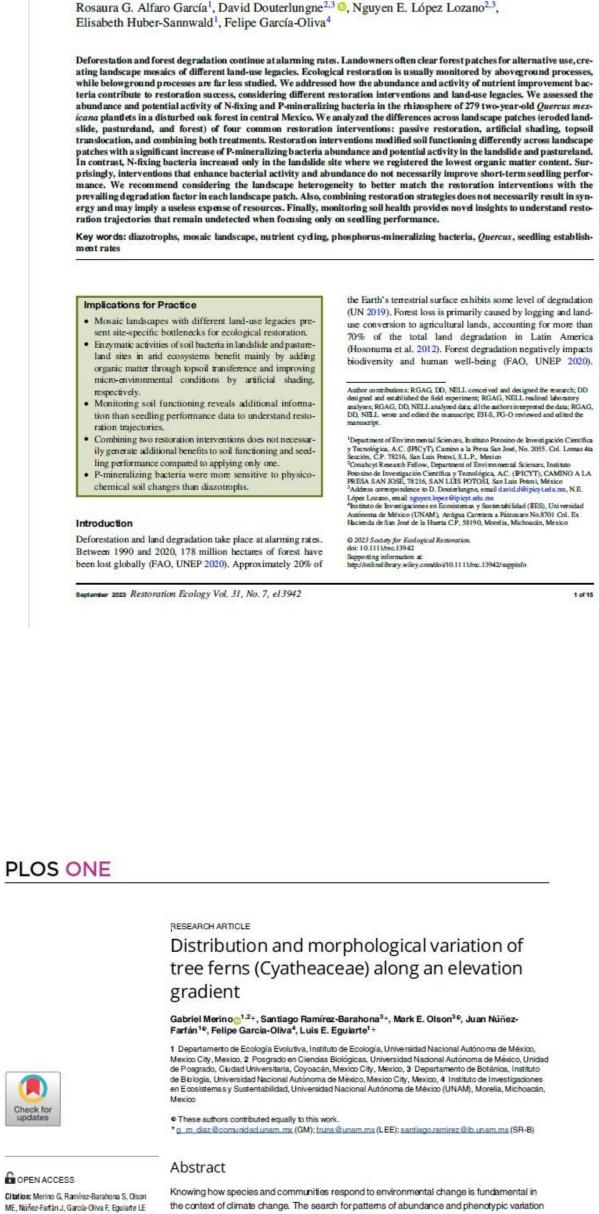
and Vegetation Attributes to

High-Intensity Hurricanes

Cristina Montiel-González, 1,5 Ángel E. Bravo-Monzón, 1,5

answer how resistant is a Mexican tropical dry forest to a high-intensity hurricane, and if its degree of resistance was mediated by its conservation degree, we evaluated the effect of a category 4 hurricane over the tree community, soil nutrients, and soil enzymatic activity in two contrasting TDF ecosystems: Old-Growth Forest (OGF) and Secondary Forest (SF). In general, vegetation richness and diversity showed very high resistance one year after the hurricane, but several structural attributes did not, especially in the OGF where the tree mortality related to vegetation structure and spatial distribution of individuals was higher Then, in the short term, SF vegetation appeared to be more resistant, whereas the OGF, with more biomass to lose, appeared to be more vulnerable. Conversely, most soil attributes showed low resistance in both stages, but especially in SF which could face more severe nutrient limitations. The response of TDF to





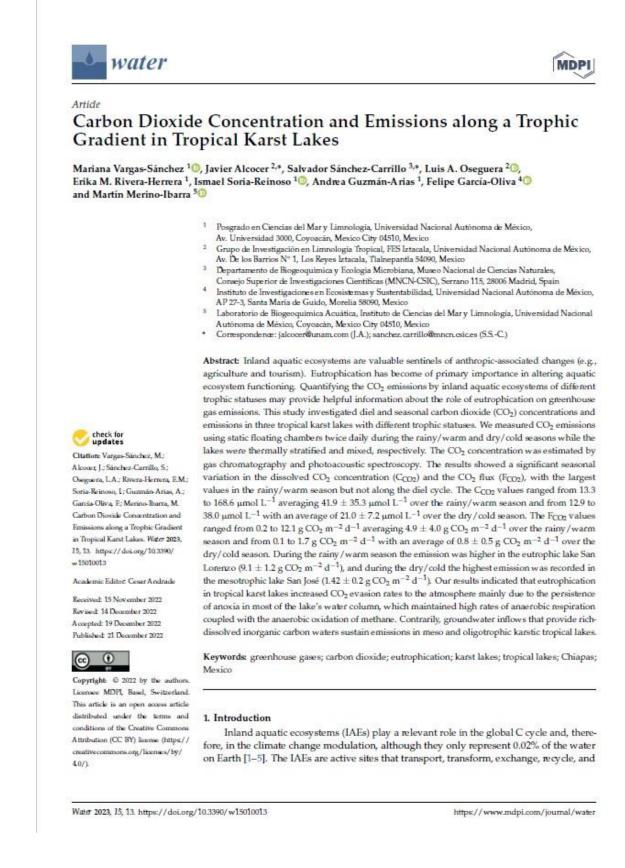
Linking below- and aboveground indicators under

landscape with different land-use legacies

different forest restoration interventions in a mosaic

RESTORATION ECOLOGY

RESEARCH ARTICLE

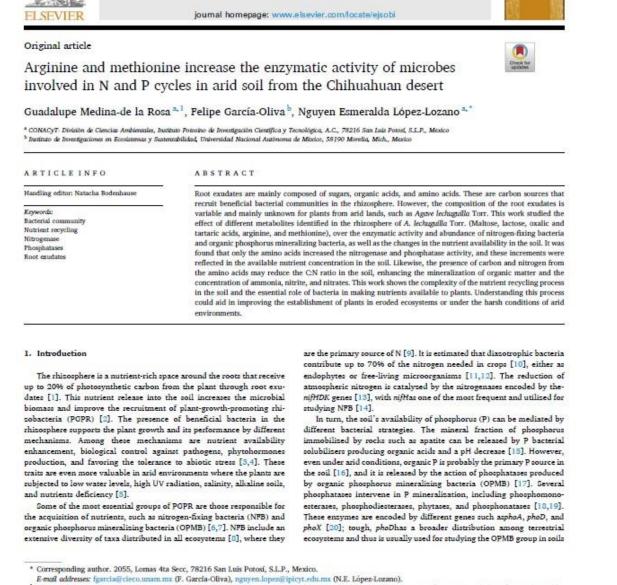




Amino Acids in the Root Exudates of Agave lechuguilla Torr. Favor

the Recruitment and Enzymatic Activity of Nutrient-Improvement

Guadalupe Medina-de la Rosa 10 · Felipe García-Oliva 20 · Cesaré Ovando-Vázquez 30 · Lourdes B. Celis-García 10



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https://www.mdpi.com/journal/land

creativecommons.org/licenses/by/ and illegal logging [5,6,13]. In the state of Michoacán, deforestation has led to the loss of up

Land 2023, 12, 631. https://doi.org/10.3390/land12030631



