



COLEGIO DE POSTGRADUADOS

INSTITUCIÓN DE ENSEÑANZA E INVESTIGACIÓN EN CIENCIAS AGRÍCOLAS
CAMPECHE-CORDOBA-MONTECILLO-PUEBLA-SAN LUIS POTOSI-TABASCO-VERACRUZ



October 9, 2019

Fernando Álvarez Noguera
Editor-in-Chief
Revista Mexicana de Biodiversidad
falvarez@ib.unam.mx
Tel: (55)5622-9164

Attached I am sending you a manuscript entitled "*Mobilization of nine macro-and micronutrients in gymnosperms via arbuscular mycorrhizal fungi*" to be considered for possible publication as a research article in the prestigious journal Revista Mexicana de Biodiversidad.

The manuscript reports **for the first time the important finding that the arbuscular mycorrhiza (AM) is able to establish a mutualistic relationship with GYMNOSPERM plants. Previously, it has been widely documented only the mutualistic nature of this symbiosis only in ANGIOSPERM plants.** A number of contributions demonstrating the paramount importance of AM in the plant community functioning have been previously published. However so far, the enhancement of nutrients contents via AM has not been reported in gymnosperms world-wide. In this work for the first time the enhancement of 9 nutrients is reported in this important plant group; in both shoot and root compartments of a Neotropical pine, *Pinus greggii*. **Thus, this study documents for the first time the nutritional importance of AM in gymnosperm plants, a plant group that covers vast areas on earth, indicating that AM symbiosis is more complex than previously believed.**

The suggested Section Editor due to his great expertise in mycorrhiza in Pinaceae is Dr. Roberto Garibay Orijel, from the Instituto de Biología, UNAM. He is a top international expert in the topic.

Kind regards,

Dr. Jesús Pérez-Moreno,
Microbiología, Edafología,
Colegio de Postgraduados, Texcoco, Mexico