



22 October 2018

Dear Fernando Álvarez Noguera,

The present study addresses ecological questions regarding the parasitic interaction between a mite species and a species of an anuran from southern Brazil. As mites are one of the most diverse groups among animals, occupying different types of habitats, different living habits, and being present in most ecosystems, anurans are extremely diverse in terms of number of species, from which they have conquered different habitats and behavior types, being fundamental in the ecological network, becoming excellent biological models to study the relationships between parasite-host. Although the group is not common in anurans, *Hannemania* sp. is an example of a mite that has been registered in different species of anurans in the American continent, evidencing low host specificity. However, the information presented by the present study shows that the interaction between this ectoparasite and the host is closely related to its behavior, regardless of its population density. Such information contributes to a better understanding of efficient hosts in the maintenance of the biological cycle of *Hannemania* species from southern Brazil.

Relevance of the publication in the Revista Mexicana de Biodiversidad:

The present study provides information on the ecological aspects of two endemic species of the American continent, valuing and contributing to the knowledge of the biodiversity of American acarofauna.

Suggested Reading:

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Sincerely,  
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