

**Proposal of a new name for Phyllodromus DeLeon, 1959
(Acari: Phytoseiidae), a junior homonym of
Phyllodromus Jiménez de la Espada, 1875 (Anura:
Dendrobatidae)**

Authors: Manzanilla, J., García-París, M., and Aponte, O.

Source: Florida Entomologist, 89(1) : 98

Published By: Florida Entomological Society

URL: [https://doi.org/10.1653/0015-4040\(2006\)89\[98:POANNF\]2.0.CO;2](https://doi.org/10.1653/0015-4040(2006)89[98:POANNF]2.0.CO;2)

BioOne Complete (complete.BioOne.org) is a full-text database of 200 subscribed and open-access titles in the biological, ecological, and environmental sciences published by nonprofit societies, associations, museums, institutions, and presses.

Your use of this PDF, the BioOne Complete website, and all posted and associated content indicates your acceptance of BioOne's Terms of Use, available at www.bioone.org/terms-of-use.

Usage of BioOne Complete content is strictly limited to personal, educational, and non - commercial use. Commercial inquiries or rights and permissions requests should be directed to the individual publisher as copyright holder.

BioOne sees sustainable scholarly publishing as an inherently collaborative enterprise connecting authors, nonprofit publishers, academic institutions, research libraries, and research funders in the common goal of maximizing access to critical research.

PROPOSAL OF A NEW NAME FOR *PHYLLODROMUS* DELEON, 1959
(ACARI: PHYTOSEIIDAE), A JUNIOR HOMONYM OF *PHYLLODROMUS*
JIMÉNEZ DE LA ESPADA, 1875 (ANURA: DENDROBATIDAE)

J. MANZANILLA^{1,2}, M. GARCÍA-PARÍS² AND O. APONTE¹

¹Museo del Instituto de Zoología Agrícola (MIZA), Facultad de Agronomía
Universidad Central de Venezuela (UCV), Maracay. 2101-A, Aragua, Venezuela

²Museo Nacional de Ciencias Naturales, CSIC. José Gutiérrez Abascal, 2. 28006, Madrid, Spain

De Leon (1959) described the genus *Phyllodromus* with the type species, *Phyllodromus leiodis* De Leon, 1959, a phytoseiid mite [Acari: Mesostigmata] distributed in the state of Florida, USA. This genus remained monotypic for four decades. Moraes et al. (1997) described a second species (*P. trisetatus*) from the state of Bahia, Brazil. No other species has been described in, or assigned to, this genus.

During a recent revision of the taxonomy of Dendrobatidae (Amphibia: Anura), we detected that *Phyllodromus* De Leon is a preoccupied name created by Jiménez de la Espada (1875) for a genus of frogs (Type species: *Phyllodromus pulchellum*). Hence, *Phyllodromus* De Leon, 1959 (Acari: Phytoseiidae) represents a junior homonym of *Phyllodromus* Jiménez de la Espada, 1875 (Anura: Dendrobatidae).

We propose here *Leonacarus* **nom. nov.** for *Phyllodromus* De Leon, 1959, in application of the International Code of Zoological Nomenclature (ICZN 2000). The name refers to "the mite of Leon" acknowledging De Leon who described and recognized this taxon as a separated genus. The species currently included in *Leonacarus* are *L. leiodis* (De Leon, 1959) **comb. nov.**, and *L. trisetatus* (Moraes & Melo, 1997) **comb. nov.**

SUMMARY

Phyllodromus De Leon, 1959 (Acari: Phytoseiidae) is a junior homonym of *Phyllodromus*

Jiménez de la Espada, 1875 (Anura: Dendrobatidae) and in application of the International Code of Zoological Nomenclature we propose the name *Leonacarus* **nom. nov.** for *Phyllodromus* De Leon, 1959. The species currently included in *Leonacarus* are *L. leiodis* (De Leon, 1959) **comb. nov.**, and *L. trisetatus* (Moraes & Melo, 1997) **comb. nov.**

We thank J. De Marmels, L.J. Joly (Instituto de Zoología Agrícola, Facultad de Agronomía, UCV), I. de la Riva (MNCN), and M.A. Alonso Zarazaga (MNCN, ICZN) for comments on the manuscript.

REFERENCES CITED

- DE LEON, D. 1959. Two new genera of Phytoseiid mites with notes on *Proprioseius meridionalis* Chant (Acarina: Phytoseiidae). Entomol. News 70: 257-262.
- ICZN. 2000. International Code of Zoological Nomenclature. 4th ed. International Trust for Zoological Nomenclature. London. 306 pp.
- JIMÉNEZ DE LA ESPADA, M. 1875. Vertebrados del viaje al Pacífico verificado de 1862 a 1865 por una comisión de naturalistas enviada por el Gobierno Español. Batracios. Madrid: Imprenta Miguel Giniesta, ii + 208 pp. + 7 pls.
- MORAES, G., E. MELO, AND G. GONDIM. 1997. Description of a new species of phytoseiid mite from Northeastern Brazil and redescription of *Neoseiulus gracilis* (Acari: Phytoseiidae). Florida Entomol. 80(3): 319-324.