

***Cratomorphus leoneli*: a new species from Mexico (Coleoptera: Lampyridae:
Cratomorphini).**

Justification

Lampyridae is a group of great species richness and interesting from an evolutionary point of view because it presents bioluminescence, neoteny and little sclerotized integument. From an ecological perspective, they are important as bioindicators, since the limitations of their distribution may reflect the intensity of light pollution. Additionally, they are used in the biological control of agricultural harmful snails and worms' vectors. In addition, it presents numerous technological applications of the luciferin / luciferase system for the determination of ATP in biological and environmental samples, microbiological analysis and biotechnology.

Although the importance of Lampyridae is evident, the tax system for the Neotropical region, mainly for Central and South America, as systematic reviews and identification keys for species that enable the expansion of records. and recognition of these species, has remained largely neglected until the last few years, although housing more than half of the genera.

In view of these gaps in knowledge for the group, our work increases the information on the distribution, provides an identification key and the description of a new species for the group in the Neotropical region.